TEIKIN™

PISTONS • RINGS • LINERS

Product Catalog
Vol. 22



PISTON
ПОРШНИ
KOLBEN
PISTONES
بستونات

PISTON RINGS
ПОРШНЕВЫЕ КОЛЬЦА
KOLBENRING
ANILLO DE PISTÓN
حاقة البستون

CYLINDER LINERS
ГИЛЬЗЫ БЛОКА ЦИЛИНДРОВ
ZYLINDERBUCHSEN
CAMISAS DE CILINDRO
قمصان

LINER KIT SETS
ПОЛНЫЙ КОМПЛЕКТ
ASSEMBLY
CONJUNTOS
طقم قمصان مع بستونات



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CATALOG VOL. 22

PUB - TKN - 01 - 22

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КОНФИДЕНЦИАЛЬНАЯ ИНФОРМАЦИЯ И ОТКАЗ ОТ ОТВЕТСТВЕННОСТИ

ВСЕ ПРАВА ЗАЩИЩЕНЫ. НИ ОДНА ИЗ ЧАСТЕЙ ЭТОГО КАТАЛОГА НЕ МОЖЕТ БЫТЬ ВОСПРОИЗВЕДЕНА БЕЗ ПИСЬМЕННОГО СОГЛАСИЯ В ТОМ ИЛИ ИНОМ ВИДЕ: В МЕХАНИЧЕСКОМ, ЭЛЕКТРОННОМ ИЛИ В ГРАФИЧЕСКОМ, А ТАКЖЕ ПУТЁМ ФОТОКОПИРОВАНИЯ, СКАНИРОВАНИЯ, НА ЭЛЕКТРОННОМ НОСИТЕЛЕ И В ИНФОРМАЦИОННО-ПОИСКОВОЙ СИСТЕМЕ.

МЫ НЕ НЕСЁМ НИКАКОЙ ОТВЕТСТВЕННОСТИ В ТОМ СЛУЧАЕ, ЕСЛИ ПРЕДОСТАВЛЕННАЯ В КАТАЛОГЕ ИНФОРМАЦИЯ ЯВЛЯЕТСЯ НЕПОЛНОЙ, НЕКОРРЕКТНОЙ И/ИЛИ МОЖЕТ ПРИВЕСТИ К НЕГАТИВНЫМ ПОСЛЕДСТВИЯМ. ТАКЖЕ ПРЕДСТАВЛЕННАЯ НАМИ ИНФОРМАЦИЯ МОЖЕТ БЫТЬ ИЗМЕНЕНА ПО СОБСТВЕННОМУ УСМОТРЕНИЮ БЕЗ ПРЕДВАРИТЕЛЬНОГО УВЕДОМЛЕНИЯ.

ССЫЛКИ, ИЗОБРАЖЕНИЯ И ОПИСАНИЯ СООТВЕТСТВУЮТ НОМЕРАМ КОМПОНЕНТОВ, ДЕТАЛЕЙ ДВИГАТЕЛЯ И ИНЫХ ИЗДЕЛИЙ, А КОММЕРЧЕСКИЕ НАИМЕНОВАНИЯ В ЭТОМ КАТАЛОГЕ СЛУЖАТ ТОЛЬКО ДЛЯ ПОЯСНЕНИЯ И ДЛЯ ПЕРЕКРЁСТНЫХ ССЫЛОК И НЕ ПРЕДПОЛАГАЮТ ТОГО, ЧТО ЭТИ ИЗДЕЛИЯ ИЗГОТОВЛЕНЫ В ЦЕЛЯХ ПРОДВИЖЕНИЯ КОММЕРЧЕСКОГО НАИМЕНОВАНИЯ ФИРМЫ-ВЛАДЕЛЬЦА.

INFORMACIÓN DE PROPIEDAD Y RENUNCIA DE RESPONSABILIDAD

TODOS LOS DERECHOS RESERVADOS. NINGUNA PARTE DE ESTE CATÁLOGO PUEDE SER REPRODUCIDA POR NINGÚN MEDIO: MECÁNICO, ELECTRÓNICO O GRÁFICO, INCLUYENDO FOTOCOPIADO, GRABACIÓN, ESCANEADO O SISTEMA DE ALMACENAMIENTO Y RECUPERACIÓN DE INFORMACIÓN - SIN NUESTRO PERMISO ESPECÍFICO POR ESCRITO.

ESPECÍFICAMENTE NEGAMOS TODA RESPONSABILIDAD QUE SURJA DE ERRORES, OMISIONES Y DAÑOS QUE RESULTEN DE LA INFORMACIÓN DADA EN ESTE CATÁLOGO. DICHA INFORMACIÓN QUEDA SUJETA A CAMBIOS A NUESTRA DISCRECIÓN SIN PREVIO AVISO.

LAS REFERENCIAS, FIGURAS Y DESCRIPCIONES HECHAS A LOS NÚMEROS DE PARTE Y NOMBRES COMERCIALES DE LOS FABRICANTES DE AUTOMÓVILES, MOTORES Y OTROS EN ESTE CATÁLOGO SON SÓLO PARA LA PROPUESTA DE EXPLICACIÓN Y REFERENCIAS CRUZADAS Y NO IMPLICAN QUE ESTAS PARTES SEAN FABRICADAS POR O PARA LOS PROPIETARIOS DE LOS NOMBRES COMERCIALES.

MAIN PISTON FACTORY

Главный поршневой завод
FÁBRICA DE PISTONES PRINCIPAL









TEIKIN™ PISTONS VS OTHER BRANDS

Comparison of Material Used

Piston for Mazda SS - K2700 (Teikin № 42198)

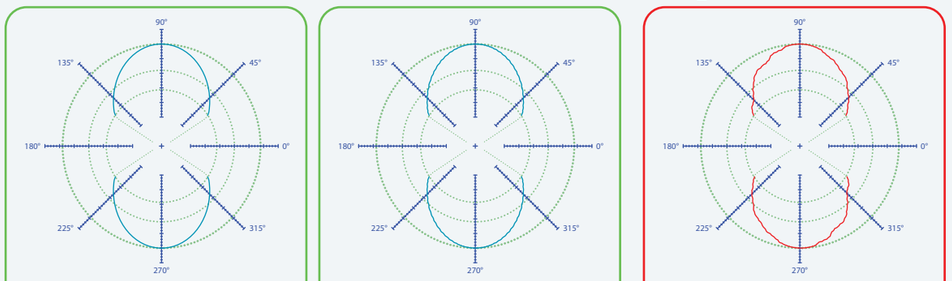
Element		Specification* (%)	Teikin (%)	Other Maker #1 (%)
Cu	Copper	0.8 - 1.3	1.0612	1.7331
Si	Silicon	11.0 - 13.0	12.137	9.7297
Mg	Magnesium	0.7 - 1.3	1.0833	0.83999
Zn	Zinc	0.1 max	0.05027	0.28011
Fe	Iron	0.8 max	0.45063	0.65748
Mn	Manganese	0.1 max	0.05827	0.22084
Ni	Nickel	1.0 - 2.5	1.3726	0.66118
Ti	Titanium	0.2 max	0.03490	0.07853
Cr	Chromium	0.10 max	0.02110	0.03685
Sn	Tin	0.05 max	0.02013	0.02378
Pb	Lead	0.05 max	0.021268	0.05692

*Specification based upon Japanese Industrial Standard Number D3104 - 1996

Comparison of Piston Skirt Roundness Profile Magnified at 200x

Piston for Toyota 2Y (Teikin № 46119)

Smooth Rounded Profiles — Irregular Profile Detected



OEM | TEIKIN | OTHER MAKER #3

Comparison of Crown Flatness

Piston for Mitsubishi 4D55 / 4D56 (Teikin № 43171)



TEIKIN*
(0.02 mm)

OTHER MAKER #2
(0.28 mm)

*Allowable flatness is 0.05 mm max - as per Design Manual Edico Utama, P.T.

Comparison of Ring Groove Perpendicularity

Piston for Mitsubishi 4M51T ALFIN GALLERY (Teikin № 43683AG)



TEIKIN*
+0.02 mm per 25 mm MAX

OTHER MAKER#1
-0.12 mm per 25 mm MAX

*Allowable perpendicularity is 0.04 mm per 25 mm as per Japanese Industrial Standard D3104 - 1996

Comparison of Pin Hole Perpendicularity

Piston for Kia RFA (Teikin № 52650AG)



TEIKIN*
+0.02 mm per 100 mm

OTHER MAKER #2
+0.22 mm per 100 mm

*Allowable perpendicularity for (a-b) is 0.05 mm max per 100 mm as per Japanese Industrial Standard Number D3104 - 1996

WHY TEIKIN™ PISTONS ARE THE BEST FOR YOUR ENGINES?

- Outstanding Quality Material as per OEM specifications
- 100% Brand New Primary Virgin Aluminum Ingot
- Minimal Presence of Metal Impurities in Material to Maximize Piston Performance
- Hard Metals of Nickel and Silicon to Maximize Piston Hardness and Limit Piston Expansion
- Eutectic and Hyper Eutectic Aluminum Alloy
- Precise Heat Treatment & Stress Relief Procedure for Maximum Material Strength
- Guaranteed to Meet or Exceed OEM Specifications
- Guaranteed Ring Grooves Perpendicularity
- Guaranteed Pin Hole Perpendicularity
- Guaranteed Outer Diameter Roundness Profile
- Guaranteed Crown Flatness
- Non - Magnetic Alfin Inserts Reinforcement
- Cooling Gallery Channel
- Electroplated Expansion Control Strut
- OEM Quality Surface Treatments
  > Tin coating
  > Anodized Crown
  > Moly Skirt

поршней TEIKIN™ с другими брендами

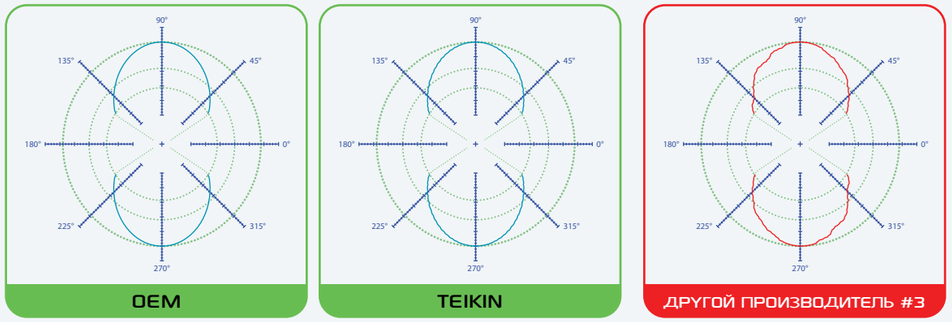
Сравнение Используемых Материалов
Поршни для Mazda SS-K2700 (Teikin № 42198)

Элемент		Спецификация* (%)	Teikin (%)	Другой Производитель #1 (%)
Cu	Медь	0.8 - 1.3	1.0612	1.7331
Si	Кремний	11.0 - 13.0	12.137	9.7297
Mg	Магний	0.7 - 1.3	1.0833	0.83999
Zn	Цинк	0.1 max	0.05027	0.28011
Fe	Железо	0.8 max	0.45063	0.65748
Mn	Марганец	0.1 max	0.05827	0.22084
Ni	Никель	1.0 - 2.5	1.3726	0.66118
Ti	Титан	0.2 max	0.03490	0.07853
Cr	Хром	0.10 max	0.02110	0.03685
Sn	Олово	0.05 max	0.02013	0.02378
Pb	Свинец	0.05 max	0.021268	0.05692

*Спецификация основана на японском промышленном стандарте номер D3104 - 1996

Сравнение Профиля Круглости Юбки Поршня (Увеличение В 200 Раз)
Поршни для Toyota 2Y (Teikin № 46119)

Smooth Rounded Profiles | Irregular Profile Detected



OEM | TEIKIN | ДРУГОЙ ПРОИЗВОДИТЕЛЬ #3

Сравнение Головки Верхней Плоскости Поршня
Поршни для Mitsubishi 4D55 / 4D56 (Teikin № 43171)



TEIKIN*
(0.02 mm)

ДРУГОЙ ПРОИЗВОДИТЕЛЬ #2
(0.28 mm)

*Допуски 0,05 мм не более - Разработка Manual Edico Utama, P.T.

Сравнение Перпендикулярности Кольцевых Канавок
Поршни для Mitsubishi 4M51T ALFIN GALLERY (Teikin № 43683AG)



TEIKIN*
+0.02 mm на 25 mm MAX

ДРУГОЙ ПРОИЗВОДИТЕЛЬ #1
-0.12 mm на 25 mm MAX

*Допустимая перпендикулярность составляет 0,04 мм на 25 мм согласно японскому промышленному стандарту D3104 - 1996

Сравнение Перпендикулярностей Контактных Отверстий Для Поршневых Пальцев
Поршни для Kia RFA (Teikin № 52650AG)



TEIKIN*
+0.02 mm на 100 mm

ДРУГОЙ ПРОИЗВОДИТЕЛЬ #2
+0.22 mm на 100 mm

*Допустимая перпендикулярность (a-b) минимальная 0,05 мм. максимальная 100 мм.
в соответствии с японским промышленным стандартом номер D3104 - 1996

ПОЧЕМУ ПОРШНИ TEIKIN™ ЭТО ЛУЧШЕЕ ДЛЯ ВАШЕГО ДВИГАТЕЛЯ?

- Качества материала, как в OEM-спецификации
- 100% новый, первичный алюминий
- Минимальное наличие металлических примесей в материале для достижения максимальной производительности
- Твердые сплавы никеля и кремния с максимальной твердостью
- Эвтектический и гипер эвтектический сплав аллюминия
- Точная термообработка и процедура снятия напряжения для максимальной прочности материала
- Качество соответствует OEM
- Гарантия перпендикулярности кольцевых канавок
- Гарантия перпендикулярности контактных отверстий
- Гарантия внешнего диаметра округлости профиля
- Гарантированная плоскость головки
- Немагнитные укрепляющие алфин вставки
- Кольцевой канал охлаждения
- Поршни с кольцевой вставкой, управляющей тепловым расширением
- Покрытие поверхности с качеством OEM
  > Покрытие оловом
  > Анодированная головка
  > Молибденовая юбка

PISTONES TEIKIN™ VS OTRAS MARCAS

Comparativa De Los Materiales Utilizados

Piston para Mazda SS-K2700 (Teikin № 42198)

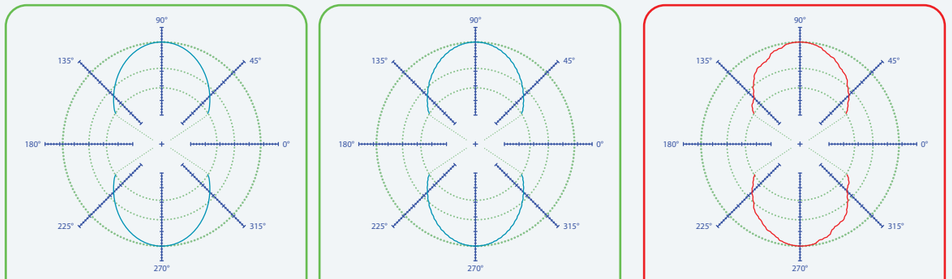
Elemento		Especificación* (%)	Teikin (%)	Otros Fabicantes #1 (%)
Cu	Cobre	0.8 - 1.3	1.0612	1.7331
Si	Silicon	11.0 - 13.0	12.137	9.7297
Mg	Magnesio	0.7 - 1.3	1.0833	0.83999
Zn	Zinc	0.1 max	0.05027	0.28011
Fe	Hierro	0.8 max	0.45063	0.65748
Mn	Manganeso	0.1 max	0.05827	0.22084
Ni	Niquel	1.0 - 2.5	1.3726	0.66118
Ti	Titanio	0.2 max	0.03490	0.07853
Cr	Cromo	0.10 max	0.02110	0.03685
Sn	Lata	0.05 max	0.02013	0.02378
Pb	Plomo	0.05 max	0.021268	0.05692

*Especificación basada en normas de la Industria Japonesa número D3104 - 1996

Comparación Del Perfil De Redondez De La Falda Del Pistón Ampliado 200 Veces

Piston para Toyota 2Y (Teikin № 46119)

Smooth Rounded Profiles



DE EQUIPO ORIGINAL

TEIKIN

Irregular Profile Detected

OTROS FABICANTES #3

Comparación De Las Coronas Planas

Piston para Mitsubishi 4D55 / 4D56 (Teikin № 43171)





TEIKIN*
(0.02 mm)



OTROS FABICANTES #2
(0.28 mm)

*Planitud permitida de 0.05mm max. - segun el diseño manual de Edico Utama, P.T.

Comparación De La Perpendicularidad De Las Ranuras En Los Anillos

Piston para Mitsubishi 4M51T ALFIN GALLERY (Teikin № 43683AG)



TEIKIN*
+0.02 mm per 25 mm MAX

OTROS FABRICANTES #1
-0.12 mm per 25 mm MAX

*Perpendicularidad permitida de 0,04 mm por 25 mm según la norma industrial Japonesa D3104 - 1996

Comparación De La Perpendicularidad De Los Agujeros

Piston para Kia RFA (Teikin № 52650AG)



TEIKIN*
+0.02 mm per 100 mm

OTHER MAKER #2
+0.22 mm per 100 mm

*Perpendicular permitida para (a-b) es 0.05mm max. por 100mm según la norma de la industria Japonesa número D3104 - 1996

POR QUE RAZONES TEIKIN™ TIENE LOS MEJORES PISTONES PARA SUS MOTORES?

- Materiales De Calidad Excelente, Regidas Por Las Especificaciones De Equipo Original
- Lingotes De Alumino 100% Nuevos Y Virgenes
- Presencia Minima De Impureza En Los Metales Para Maximizar El Rendimiento
- Metales Rígidos De Niquel Y Silicona Para Maximizar La Rigidez Y Limitar La Expansion De Los Pistones
- Aleación De Aluminio Eutéctica E Hiper Eutéctica
- Preciso Taratamiento De Calor Y Procedimiento De Alivio De Tensión Para Maximizar La Fuerza Del Material
- Garantizado Para Satisfacer Y Sobrepasar Las Expecificaciones De Equipos Originales
- Perpendicularidad De La Ranura De Los Anillos Garantizada
- Perpendicularidad De Los Agujeros Garantizada
- Diámetro De Redondez Exterior Garantizado
- Coronas Planas Garantizadas
- Refueroz No Magnéticos
- Canal De Enfriamiento
- Estructura Galvanizada Para El Control De Expansion
- Tratamientos De Acabados Con Calidad De Equipo Original
  > Recubrimiento Opaco
  > Corona Anodizada
  > Falda De Molibdeno

PISTON WITH COOLING GALLERY
ПОРШЕНЬ С КОЛЬЦЕВЫМ КАНАЛОМ ОХЛАЖДЕНИЯ
CAMARA DE ENFRIAMIENTO



COOLING GALLERY

КОЛЬЦЕВОЙ КАНАЛ ОХЛАЖДЕНИЯ

CAMARA DE ENFRIAMIENTO

PISTON WITH COOLING GALLERY

ARE CREATED FOR OPERATION IN HIGH TEMPERATURE ENVIRONMENT SUCH AS IN TURBO ENGINES. THROUGH OIL CIRCULATION IN THE GALLERY, PISTONS ARE INTENSIVELY COOLED IN THE PISTON CROWN AND RING BELT AREA.

SUCH COOLING EFFECT ALSO RESULT IN SMALLER EXPANSION THUS ALLOWING FOR SMALLER BORE-TO-PISTON CLEARANCE RESULTING IN SMOOTHER AND MORE FUEL EFFICIENT ENGINES. THESE TYPE OF PISTONS ALLOW ENGINE DESIGNERS TO CREATE MORE POWERFUL YET FRIENDLY TO THE ENVIRONMENT.

ПОРШЕНЬ С КОЛЬЦЕВЫМ КАНАЛОМ ОХЛАЖДЕНИЯ

СОЗДАНЫ ДЛЯ ЭКСПЛУАТАЦИИ В УСЛОВИЯХ ВЫСОКИХ ТЕМПЕРАТУРЫ (НАПРИМЕР В ТУРБОДВИГАТЕЛЯХ). ПОСРЕДСТВОМ ЦИРКУЛЯЦИИ МАСЛА В КОЛЬЦЕВОМ КАНАЛЕ ОХЛАЖДАЕТСЯ ГОЛОВКА ПОРШНЯ И КОЛЬЦА.

В РЕЗУЛЬТАТЕ ОХЛАЖДЕНИЯ ДОСТИГАЕТСЯ МЕНЬШЕЕ РАСШИРЕНИЕ В ПОРШНЕВОМ ЗАЗОРЕ ЧТО ПРИВОДИТ К БОЛЕЕ ПЛАВНОЙ И БОЛЕЕ ЭКОНОМИЧНОЙ РАБОТЕ ДВИГАТЕЛЯ. ЭТОТ ТИП ПОРШНЕЙ ПОЗВОЛЯЕТ КОНСТРУКТОРАМ СОЗДАВАТЬ БОЛЕЕ МОЩНЫЕ, НО В ТО ЖЕ ВРЕМЯ И БОЛЕЕ ЭКОЛОГИЧЕСКИ ДРУЖЕСТВЕННЫЕ ДВИГАТЕЛИ.

PISTON CON CAMARA DE ENFRIAMIENTO

HAN SIDO CREADOS PARA FUNCIONAR EN ENTORNOS DE ALTA TEMPERATURA, COMO EN MOTORES TURBO. A TRAVÉS DE LA CIRCULACIÓN DE ACEITE EN LA CAMARA, LOS PISTONES SE ENFRÍAN INTENSAMENTE EN LA CORONA DEL PISTÓN Y EN LA ZONA DE LA BANDA DE ANILLO. NEGAMOS ESPECÍFICAMENTE CUALQUIER RESPONSABILIDAD QUE SURJA DE ERRORES, OMISIONES Y DAÑOS QUE RESULTEN DE LA INFORMACIÓN DADA EN ESTE CATÁLOGO.

TAL EFECTO DE ENFRIAMIENTO RESULTA EN UNA DISMINUCIÓN DE EXPANSIÓN, LO QUE PERMITE UN MENOR ESPACIO ENTRE EL DIÁMETRO Y EL PISTÓN, OTORGANDO COMO RESULTADO; MOTORES MÁS SUAVES Y EFICIENTES EN CUANTO AL CONSUMO DE COMBUSTIBLE. ESTE TIPO DE PISTONES

PERMITEN A LOS DISEÑADORES DE MOTORES CREAR MOTORES MÁS POTENTES Y RESPETUOSOS CON EL MEDIO AMBIENTE.

PISTON WITH ALFIN REINFORCEMENT
ПОРШНИ С АЛФИН ВСТАВКОЙ
PISTÓN CON REFUERZO DE ALFIN

ALFIN REINFORCEMENT

АЛФИН ВСТАВКА

REFUERZO ALFIN



PISTON WITH ALFIN REINFORCEMENT

ARE RESISTANT TO COMPRESSION RING GROOVE WEAR. THE ALFIN REINFORCEMENT ALSO ACT AS A HEAT BARRIER MINIMIZING HEAT CONDUCTION FROM PISTON SKIRT AREA. SUCH PISTONS CAN THUS WITHSTAND THE DEMAND FOR HIGHER LOAD AND HIGHER PERFORMANCE ENGINE.

ПОРШНИ С АЛФИН ВСТАВКОЙ

УСТОЙЧИВЫ К ИЗНОСУ КАНАВКИ КОМПРЕССИОННОГО КОЛЬЦА. АЛФИН ВСТАВКА ТАКЖЕ СЛУЖИТ ТЕПЛОВЫМ БАРЬЕРОМ И СПОСОБСТВУЕТ МИНИМИЗАЦИИ ТЕПЛОПРОВОДНОСТИ ОТ ПОВЕРХНОСТИ ЮБКИ ПОРШНЯ. ТАКИЕ ПОРШНИ МОГУТ БЫТЬ ИСПОЛЬЗОВАНЫ ТАМ, ГДЕ ТРЕБУЕТСЯ ВЫСОКАЯ НАГРУЗКА И БОЛЬШАЯ ЭФФЕКТИВНОСТЬ ДВИГАТЕЛЯ.

PISTÓN CON REFUERZO DE ALFIN

SON RESISTENTES AL DESGASTE DE LA RANURA DEL ANILLO DE COMPRESIÓN. EL REFUERZO ALFIN TAMBIÉN ACTÚA COMO UNA BARRERA TÉRMICA QUE MINIMIZA LA CONDUCCIÓN DE CALOR DEL ÁREA DE LA FALDA DEL PISTÓN. ESTOS PISTONES PUEDEN SOPORTAR LA DEMANDA DE UN MOTOR DE MAYOR CARGA Y MAYOR RENDIMIENTO.

ANODIZED CROWN

АНОДИРОВАННАЯ КОРОНА

CORONA ANODIZADA



MOLYBDENUM COATING

МОЛИБДЕНОВОЕ ПОКРЫТИЕ

RECUBRIMIENTO MOLIBDENO

ANODIZED CROWN & MOLYBDENUM-COATED SKIRT

ANODIZATION OF PISTON CROWN CREATES A HARD CROWN SURFACE THUS PROVIDING PISTONS WITH EXTRA PROTECTION AGAINST CROWN PITING AND WEAR.

THE MOLYBDENUM COATED SKIRT PRODUCES LESS FRICTIONAL HEAT AND ENGINE NOISE. THE EXTRA LUBRICATIVE EFFECT ALSO MINIMIZE CYLINDER BORE WEAR AND PREVENT PISTON SCUFFING.

АНОДИРОВАННАЯ ГОЛОВКА ПОРШНЯ И МОЛИБДЕНОВОЕ ПОКРЫТИЕ ЮБКИ

АНОДИРОВАНИЕ ГОЛОВКИ ПОРШНЯ СОЗДАЁТ ДОПОЛНИТЕЛЬНУЮ ЗАЩИТУ И ПРИДАЁТ ЕЙ ДОПОЛНИТЕЛЬНУЮ ЗАЩИТУ ОТ ТОЧЕЧНОЙ КОРРОЗИИ И ИЗНОСА.

МОЛИБДЕНОВОЕ ПОКРЫТИЕ ПОЗВОЛЯЕТ УМЕНЬШИТЬ ФРИКЦИОННЫЙ НАГРЕВ И УРОВЕНЬ ШУМА ДВИГАТЕЛЯ. ЭКСТРЕННОЕ СМАЗЫВАЮЩЕЕ ВЛИЯНИЕ ТАКЖЕ УМЕНЬШАЕТ ИЗНОС ЦИЛИНДРА И ПРЕДОТВРАЩАЕТ ЗАДИР ПОРШНЯ.

CORONA ANODIZADA Y FALDON RECUBIERTO DE MOLIBDENO

LA ANODIZACIÓN DE LA CORONA DEL PISTÓN CREA UNA SUPERFICIE DURA, LO QUE PROPORCIONA A LOS PISTONES UNA PROTECCIÓN EXTRA CONTRA LAS PICADURAS Y EL DESGASTE DE LA CORONA.

EL FALDÓN RECUBIERTO DE MOLIBDENO PRODUCE MENOS CALOR POR FRICCIÓN Y MENOS RUIDO DEL MOTOR. EL EFECTO LUBRICANTE ADICIONAL TAMBIÉN MINIMIZA EL DESGASTE DEL DIÁMETRO DEL CILINDRO Y EVITA EL DESGASTE DEL PISTÓN.

SURFACE TREATMENT
ОБРАБОТКА ПОВЕРХНОСТИ
TRATAMIENTO DE SUPERFICIE



TIN COATING

ПОКРЫТИЕ ОЛОВОМ

RECUBRIMIENTO DE ESTAÑO

PISTON WITH TIN-COATED SURFACE

TIN COATED SURFACE PROVIDES EXTRA LUBRICATION AND SMOOTHER RUNNING OF CYLINDER COMPONENTS RESULTING IN LONGER ENGINE LIFETIME.

ПОРШЕНЬ С ПОВЕРХНОСТЬЮ ПОКРЫТОЙ ОЛОВОМ

ПОВЕРХНОСТЬ, ПОКРЫТАЯ ОЛОВОМ ОБЕСПЕЧИВАЕТ ДОПОЛНИТЕЛЬНУЮ СМАЗКУ И БОЛЕЕ ПЛАВНЫЙ ХОД КОМПОНЕНТОВ ЦИЛИНДРА, ЧТО СПОСОБСТВУЕТ ПРОДОЛЖИТЕЛЬНОСТИ МОТОРЕСУРСА ДВИГАТЕЛЯ.

PISTÓN CON SUPERFICIE DE ESTAÑO

LA SUPERFICIE RECUBIERTA DE ESTAÑO PROPORCIONA UNA LUBRICACIÓN ADICIONAL Y UN FUNCIONAMIENTO MÁS SUAVE DE LOS COMPONENTES DEL CILINDRO, LO QUE SE TRADUCE EN UNA MAYOR VIDA ÚTIL DEL MOTOR.

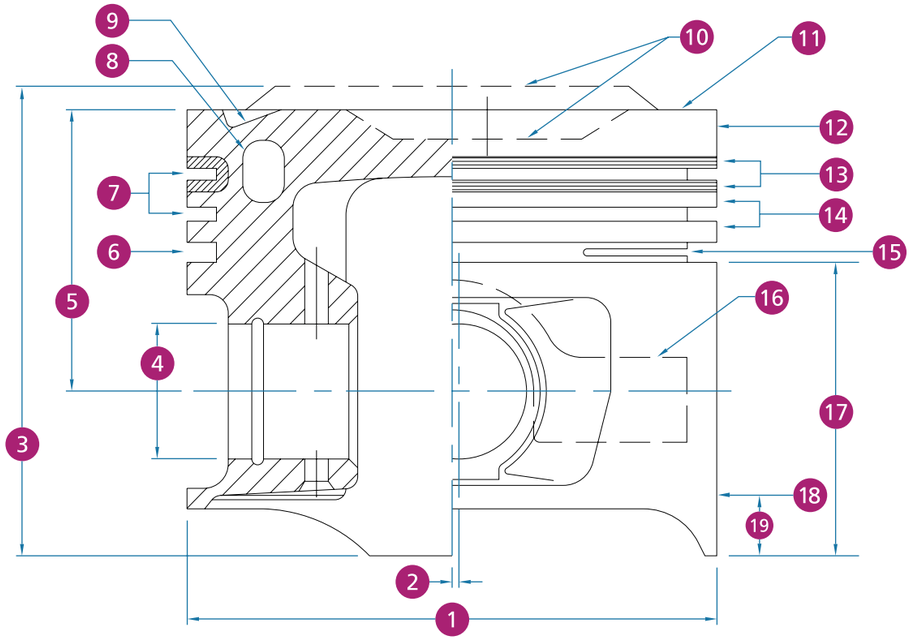
CYLINDER LINERS
ГИЛЬЗЫ БЛОКА ЦИЛИНДРОВ
CAMISAS DE CILINDRO



PACKAGING
УПАКОВКА
EMBALAJE



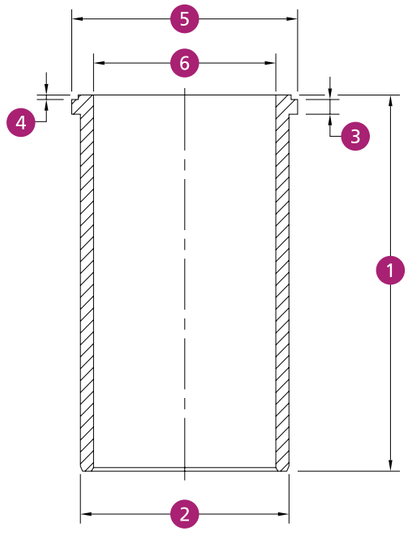
PISTON TERMINOLOGY



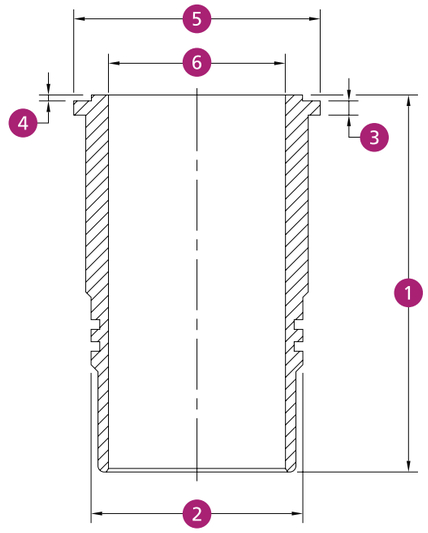
01. PISTON SKIRT DIAMETER
02. ECCENTRICITY OF PIN AXIS AGAINST PISTON AXIS
03. TOTAL PISTON LENGTH
04. GUDGEON PIN HOLE DIAMETER
05. COMPRESSION HEIGHT
06. OIL RING GROOVE
07. FIRST AND SECOND COMPRESSION RING GROOVES
08. OIL COOLING GALLERY
09. VALVE POCKET
10. DEPRESSED COMBUSTION CHAMBER OR RAISED CROWN
11. PISTON CROWN
12. CROWN LAND
13. ALFIN REINFORCEMENT
14. RING LAND
15. OIL SLIT GROOVE
16. HIDDEN STEEL STRUTS
17. SKIRT AREA
18. POINT OF MRC MEASUREMENT (Minimum Recommended Clearance)
19. HEIGHT OF MP (Measuring Point)

CYLINDER LINER TERMINOLOGY

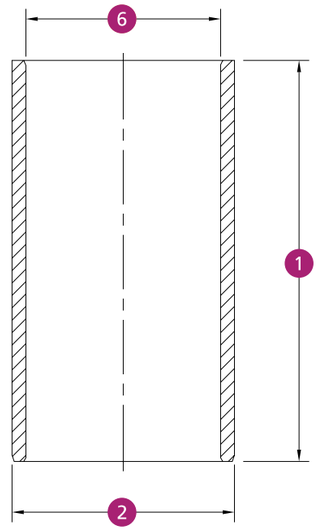
DRY TYPE WTH FLANGE



WET TYPE WITH FLANGE



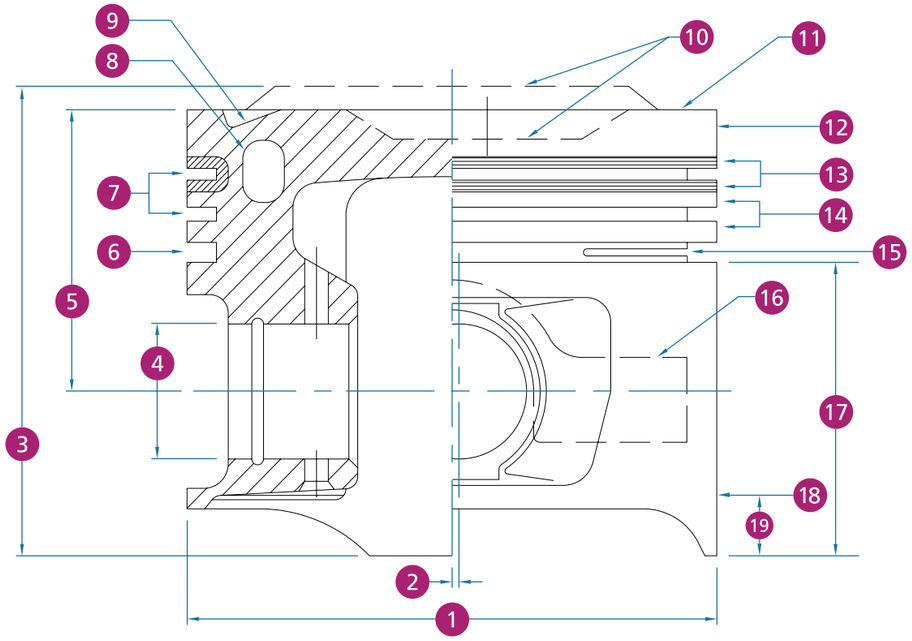
DRY TYPE WITHOUT FLANGE



1. TOTAL LENGTH (TL)
2. OUTER DIAMETER (OD)
3. FLANGE THICKNESS (FT)
4. FIRE LIP HEIGHT (+)
5. FLANGE DIAMETER (FD)
6. INNER DIAMETER
   - FULLY FINISHED TYPE (FF)
   - SEMI FINISHED TYPE (SF)

LSX - Liners are Semi-Finished & Without Flange
LSF - Liners are Semi-Finished & With Flange
LFX - Liners are Fully-Finished & Without Flange
LFF - Liners are Fully-Finished & With Flange
LCX - Liners are Chromed & Without Flange
LCF - Liners are Chromed & With Flange

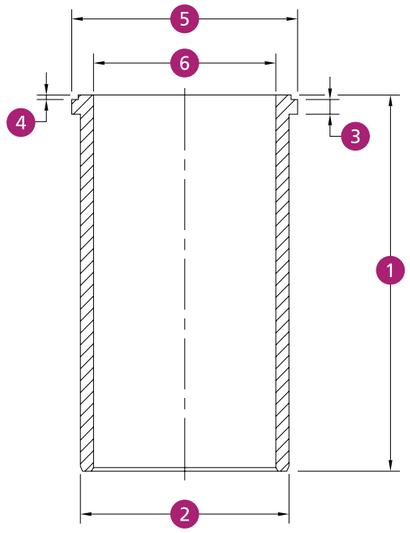
ТЕРМИНЫ ПОРШНЯ



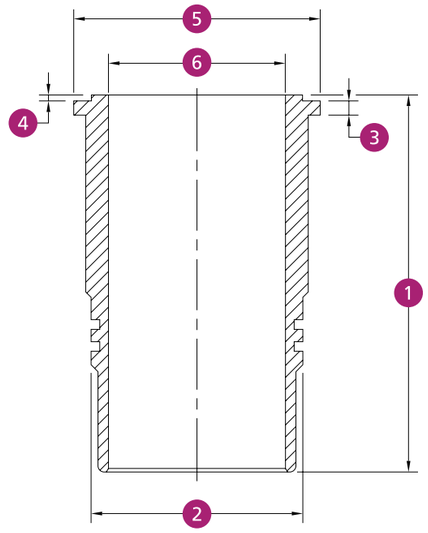
01. ДИАМЕТР (ДИАМЕТР ЦИЛИНДРА)
02. ЭКСЦЕНТРИСИТЕТ ОСИ ПАЛЬЦА ОТНОСИТЕЛЬНО ОСИ ПОРШНЯ
03. ОБЩАЯ ВЫСОТА ПОРШНЯ
04. ДИАМЕТР ОТВЕРСТИЯ ДЛЯ ПОРШНЕВОГО ПАЛЬЦА
05. КОМПРЕССИОННАЯ ВЫСОТА ПОРШНЯ
06. КАНАВКА ДЛЯ МАСЛОСЪЕМНОГО КОЛЬЦА
07. КАНАВКИ ДЛЯ КОМПРЕССИОННЫХ КОЛЕЦ
08. КАНАЛ МАСЛЯНОГО ОХЛАЖДЕНИЯ
09. КАРМАН КЛАПАНА
10. ПОЛОСТЬ КАМЕРЫ СГОРАНИЯ ИЛИ ВЫСОТА ГОЛОВКИ ПОРШНЯ
11. ГОЛОВКА ПОРШНЯ
12. ЖАРОВОВОЙ ПОЯС
13. АЛФИН ВСТАВКА
14. УПЛОТНЯЮЩИЙ ПОЯС
15. ОТВЕРСТИЕ ДЛЯ ОБРАТНОГО СТОКА МАСЛА
16. СКРЫТЫЕ МЕТАЛЛИЧЕСКИЕ РАСПОРКИ
17. НАПРАВЛЯЮЩИЙ ПОЯС
18. ТОЧКА ИЗМЕРЕНИЯ MRC (МИНИМАЛЬНЫЙ РЕКОМЕНДОВАННЫЙ ЗАЗОР)
19. ВЫСОТА ТОЧКИ ИЗМЕРЕНИЯ

ТЕРМИНЫ И ТИПЫ ГИЛЬЗ

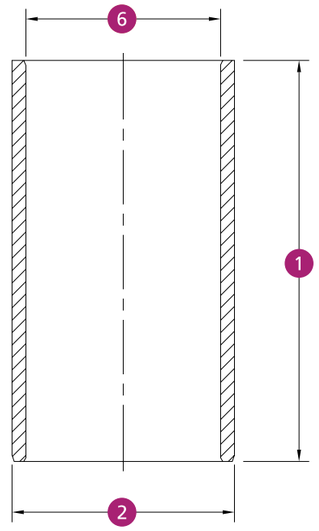
СУХИЕ ГИЛЬЗЫ С БУРТОМ



МОКРЫЕ ГИЛЬЗЫ С БУРТОМ



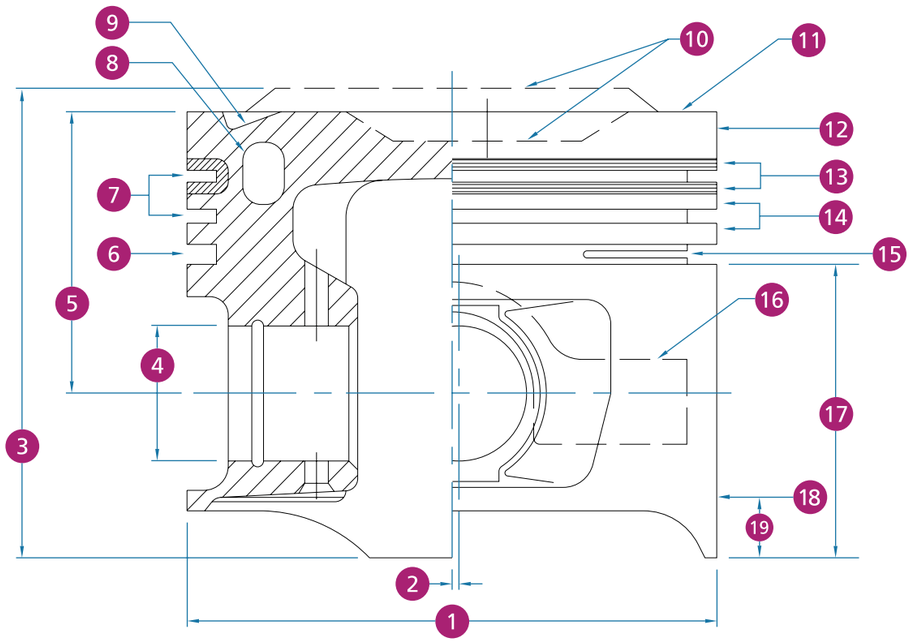
СУХИЕ ГИЛЬЗЫ БЕЗ БУРТА



1. ОБЩАЯ ВЫСОТА (TL)
2. ВНЕШНИЙ ДИАМЕТР (OD)
3. ТОЛЩИНА БУРТА (FT)
4. ВЫСТУПАНИЕ ГИЛЬЗЫ ЦИЛИНДРА (+)
5. ДИАМЕТР БУРТА (FD)
6. ВНУТРЕННИЙ ДИАМЕТР
   - ХОНИНГОВАННЫЕ (FF)
   - НЕ ХОНИНГОВАННЫЕ (SF)

LSX - НЕ ХОНИНГОВАННЫЕ И БЕЗ БУРТА
LSF - НЕ ХОНИНГОВАННЫЕ И С БУРТОМ
LFX - ХОНИНГОВАННЫЕ И БЕЗ БУРТА
LFF - ХОНИНГОВАННЫЕ И С БУРТОМ
LCX - ХРОМИРОВАННЫЕ И БЕЗ БУРТА
LCF - ХРОМИРОВАННЫЕ И С БУРТОМ

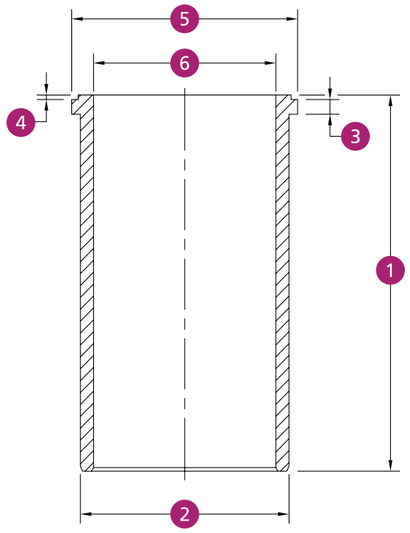
TERMINOLOGÍA DE PISTÓNES



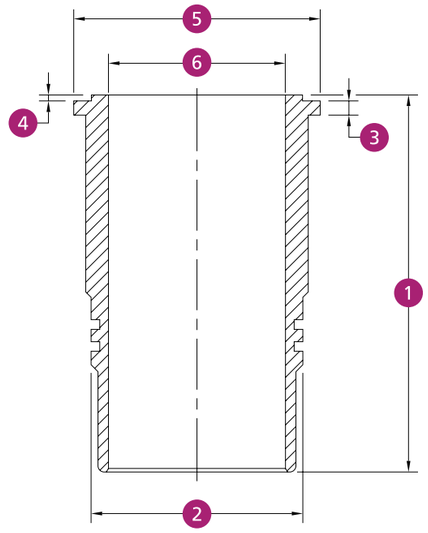
01. DIÁMETRO DE LA FALDA DEL PISTÓN
02. EXCENTRICIDAD DEL EJE DEL PASADOR CONTRA EL EJE DEL PISTÓN
03. LONGITUD TOTAL DEL PISTON
04. DIÁMETRO DEL ORIFICIO DE LA CLAVIJA GUDGEON
05. ALTURA DE COMPRESIÓN
06. RANURA DEL ANILLO DE ACEITE
07. PRIMER Y SEGUNDO ANILLO DE COMPRESIÓN RANURA
08. CÁMARA DE ENFRIAMIENTO DE ACEITE
09. BOLSILLO DE VÁLVULA
10. CÁMARA DE COMBUSTION DEPRIMIDA O CORONA LEVANTADA
11. CORONA DE PISTON
12. TIERRA CORONA
13. REFUERZO ALFIN
14. TERRENO ANILLO
15. RANURA DE ACEITE
16. PUNTALES DE ACERO OCULTOS
17. AREA DE FALDA PISTON
18. PUNTO DE MEDICIÓN DE MRC (Distancia mínima recomendada)
19. ALTURA DE MP (Punto de medición)

CAMISAS DE CILINDRO TERMINOLOGÍA

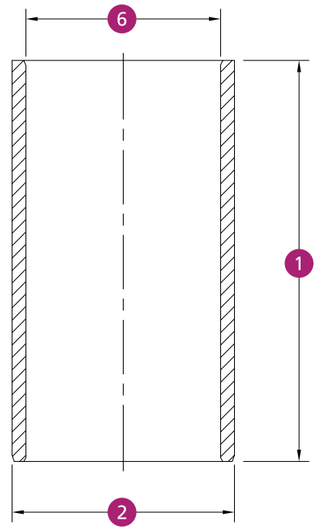
TIPO SECO CON BRIDA



TIPO HÚMEDO CON BRIDA



TIPO SECO SIN BRIDA



1. ALTURA TOTAL (TL)
2. DIÁMETRO EXTERIOR (OD)
3. ESPESOR DE BRIDA (FT)
4. ALTURA DEL BORDE DE FUEGO (+)
5. DIÁMETRO DE BRIDA (FD)
6. DIÁMETRO INTERIOR
   - TIPO COMPLETAMENTE ACABADO (FF)
   - TIPO SEMI ACABADO (SF)

LSX - LOS REVESTIMIENTOS SON SEMIACABADOS Y SIN BRIDA
LSF - LOS REVESTIMIENTOS SON SEMIACABADOS Y CON BRIDA
LFX - LOS REVESTIMIENTOS ESTÁN COMPLETAMENTE TERMINADOS Y SIN BRIDA
LFF - LOS REVESTIMIENTOS ESTÁN COMPLETAMENTE TERMINADOS Y CON BRIDA
LCX - LOS REVESTIMIENTOS SON CROMADOS Y SIN BRIDA
LCF - LOS REVESTIMIENTOS SON CROMADOS Y CON BRIDA

INSTALLATION NOTE

TEIKIN™ ENGINE COMPONENTS ARE MANUFACTURED UNDER THE HIGHEST PRECISION STANDARD AND STRICT QUALITY SYSTEM. AS SUCH, TEIKIN™ ENGINE COMPONENTS MUST BE HANDLED WITH THE UTMOST OF CARE DURING INSTALLATION.

GENUINE TEIKIN™ PISTONS FOR THE AFTERMARKET ARE SUPPLIED COMPLETE WITH GUDGEON PINS AND CIRCLIPS. WE RECOMMEND FULL AND COMPLETE ENGINE SET REPLACEMENT OF PISTONS, PINS AND CIRCLIPS FOR ALL CYLINDERS.

TEIKIN™ PISTONS IN A BOX SET ARE GRADED ACCORDING TO THE APPROPRIATE FIT. HENCE WE RECOMMEND USING THE FULL SET IN THE BOX.

PISTON CROWNS ARE MARKED WITH THE APPROPRIATE SIZE AND INSTALLATION DIRECTION. SUCH MARKINGS ARE TO BE OBSERVED AND FOLLOWED ACCORDINGLY.

MINIMUM RECOMMENDED CLEARANCE (MRC) VALUE BETWEEN PISTON SKIRT & CYLINDER LINER/BORE WALL AND PISTON SKIRT DIAMETER MEASURING POINT (MP) LOCATION FOR EACH ENGINE IS PROVIDED IN THIS CATALOG.

INSTALLATION OF POWER-UP / TURBO CHARGER / TURBO CONVERSION KIT ONTO AN ORIGINALLY NON TURBO ENGINE IS NOT RECOMMENDED.

PISTON RINGS MUST BE ASSEMBLED AND FITTED CORRECTLY ONTO THE PISTON. EXCESSIVE FORCE DURING THEIR REMOVAL AND FITTING WILL CAUSE PERMANENT DEFORMATION TO THE RINGS AND IMPAIR THEIR SEALING PERFORMANCE. THE RING GAPS MUST BE DISTRIBUTED EVENLY AROUND THE CIRCUMFERENCE OF THE PISTON.

CIRCLIPS MUST BE FITTED WITH THEIR GAPS FACING TOWARD THE BOTTOM SIDE OF THE GUDGEON PIN HOLES.

CYLINDER LINERS / BORES MUST BE CLEANED AND INSPECTED FOR DAMAGES AND CORROSION. CORRODED AND DAMAGED SURFACES MUST BE REMOVED BY REBORING AND INSTALLING OVERSIZED LINERS IF NECESSARY.

LINER FLANGES' SEATS IN THE BORE MUST BE CLEANED, PROPERLY CHAMFERED AND PERPENDICULAR TO THE BORE AXIS. INCORRECT SEATS WILL CAUSE BREAKAGE TO FLANGES AND CAUSE MAJOR DAMAGE TO THE ENGINE.

CONNECTING RODS MUST BE CHECKED FOR PARALLELISM & DISTORTION AND RE-ALIGNED AS NECESSARY.

ALL COMPONENTS IN THE ENGINE MUST BE THOROUGHLY LUBRICATED AND CLEANED FROM DIRT, MACHINING RESIDUES AND FOREIGN MATTERS BEFORE ENGINE ASSEMBLY.

CYLINDER HEAD BOLTS ARE TO BE TIGHTENED TO THE TORQUE AND ROTATION ANGLE SPECIFIED BY THE ENGINE MAKER.

IN DIESEL ENGINES, INJECTION PUMP TIMING AND SETTING MUST BE SET AS PER THE FACTORY STANDARD.

USE OF AEROSOL STARTING AID IS TO BE AVOIDED.

ENGINE COOLING AND LUBRICATION SYSTEM MUST BE CAREFULLY CHECKED BEFORE IGNITING THE ENGINE.

УКАЗАНИЕ ПО УСТАНОВКЕ

КОМПОНЕНТЫ ДВИГАТЕЛЯ TEIKIN™ ПРОИЗВЕДЕНЫ ПО НАИВЫСШИМ СТАНДАРТАМ ТОЧНОСТИ И ПРОШЛИ ТЩАТЕЛЬНУЮ ПРОВЕРКУ КАЧЕСТВА. В ПРОЦЕССЕ УСТАНОВКИ ТАКИЕ ДЕТАЛИ, КАК КОМПОНЕНТЫ ДВИГАТЕЛЯ TEIKIN™, ДОЛЖНЫ УСТАНАВЛИВАТЬСЯ ПРЕДЕЛЬНО АККУРАТНО.

ОРИГИНАЛЬНЫЕ ПОРШНИ TEIKIN™ ПОСТАВЛЯЮТСЯ НА РЫНОК В КОМПЛЕКТЕ С ПОРШНЕВЫМИ ПАЛЬЦАМИ И СТОПОРНЫМИ КОЛЬЦАМИ. МЫ РЕКОМЕНДУЕМ ОДНОВРЕМЕННУЮ И ПОЛНУЮ ЗАМЕНУ ПОРШНЕЙ, ПАЛЬЦЕВ И СТОПОРНЫХ КОЛЕЦ ДЛЯ ВСЕХ ЦИЛЛИНДРОВ.

ПОРШНИ TEIKIN™ УПАКОВАНЫ В КОРОБКЕ ПОД НУЖНЫМ УКЛОНОМ СОГЛАСНО ПОДХОДЯЩЕЙ ПОСАДКЕ. ПОЭТОМУ МЫ РЕКОМЕНДУЕМ ИСПОЛЬЗОВАТЬ ПОЛНЫЙ КОМПЛЕКТ ИЗ КОРОБКИ.

НА ПОРШНЕ ИМЕЮТСЯ МАРКИРОВКА РАЗМЕРА И НАПРАВЛЕНИЕ УСТАНОВКИ КОТОРЫМИ НЕОБХОДИМО РУКОВОДСТВОВАТЬСЯ ПРИ УСТАНОВКЕ.

МИНИМАЛЬНО РЕКОМЕНДОВАНАЯ ВЕЛИЧИНА ЗАЗОРА МЕЖДУ ЮБКОЙ ПОРШНЯ И ГИЛЬЗОЙ ЦИЛИНДРА/ ДИАМЕТРОМ СТЕНКИ ОТВЕРСТИЯ И ЮБКОЙ ПОРШНЯ ДЛЯ КАЖДОГО ДВИГАТЕЛЬ ПРЕДСТАВЛЕНА В КАТАЛОГЕ.

НЕ РЕКОМЕНДУЮТСЯ УСТАНОВКА НА НЕТУРБИРОВАННЫЙ ДВИГАТЕЛЬ: УСИЛИТЕЛЯ / ТУРБОНАГНЕТАТЕЛЯ / КОМПЛЕКТА ТУРБОПРЕОБРАЗОВАТЕЛЯ.

ПОРШНЕВЫЕ КОЛЬЦА ДОЛЖНЫ БЫТЬ СОБРАНЫ И ПРАВИЛЬНО УСТАНОВЛЕНЫ В ПОРШЕНЬ. ПРИМЕНЕНИЕ ЧРЕЗМЕРНОЙ СИЛЫ В ХОДЕ ИЗВЛЕЧЕНИЯ ИЛИ УСТАНОВКИ МОЖЕТ СТАТЬ ПРИЧИНОЙ ОСТАТОЧНОЙ ДЕФОРМАЦИИ КОЛЕЦ И УХУДШЕНИЯ КАЧЕСТВА УПЛОТНЕНИЯ. ЗАЗОРЫ В ЗАМКЕ ПОРШНЕВОГО КОЛЬЦА ДОЛЖНЫ БЫТЬ РАСПРЕДЕЛЕНЫ РАВНОМЕРНО ПО ОБХВАТУ ВОКРУГ ПОРШНЯ.

СТОПОРНЫЕ КОЛЬЦА ДОЛЖНЫ БЫТЬ ОБОРУДОВАНЫ ВЫЕМКАМИ ПО НАПРАВЛЕНИЮ К ДНИЩУ ОТВЕРСТИЙ ПОРШНЕВЫХ ПАЛЬЦЕВ.

ЦИЛЛИНДРЫ ДВИГАТЕЛЯ ДОЛЖНЫ БЫТЬ ОЧИЩЕНЫ И ПРОВЕРЕНЫ НА НАЛИЧИЕ ПОВРЕЖДЕНИЙ И РЖАВЧИНЫ. РЖАВЫЕ И ПОВРЕЖДЁННЫЕ ЭЛЕМЕНТЫ ДОЛЖНЫ БЫТЬ УДАЛЕНЫ ПРИ ПОМОЩИ РАСТОЧКИ И, ПО НЕОБХОДИМОСТИ, ПРИ УСТАНОВКЕ КРУПНОГАБАРИТНЫХ ГИЛЬЗ.

ГНЕЗДА ФЛАНЦЕВ ГИЛЬЗ ЦИЛИНДРА ДОЛЖНЫ БЫТЬ ОЧИЩЕНЫ, ДОЛЖНЫМ ОБРАЗОМ ЗАКРУГЛЕНЫ И УСТАНОВЛЕНЫ ПЕРПЕНДИКУЛЯРНО ОСИ ОТВЕРСТИЯ. НЕ ПОДГОТОВЛЕННЫЕ ГНЕЗДА МОГУТ СТАТЬ ПРИЧИНОЙ ПОЛОМКИ ФЛАНЦЕВ И ОСНОВНОЙ ПРИЧИНОЙ ПОВРЕЖДЕНИЯ ДВИГАТЕЛЯ.

НУЖНО УБЕДИТЬСЯ В ТОМ, ЧТО ШАТУНЫ РАСПОЛОЖЕНЫ ПАРАЛЛЕЛЬНО, А ТАКЖЕ, ПРИ НЕОБХОДИМОСТИ, НУЖНО ПРОВЕРИТЬ СМЕЩЕНИЕ И ЦЕНТРОВКУ.

ПЕРЕД СБОРКОЙ ДВИГАТЕЛЯ ВСЕ ЕГО КОМПОНЕНТЫ ДОЛЖНЫ БЫТЬ ТЩАТЕЛЬНО СМАЗАНЫ И ОЧИЩЕНЫ ОТ ЗАГРЯЗНЕНИЙ, НАГАРА И ИНЫХ ИНОРОДНЫХ МАТЕРИАЛОВ.

БОЛТЫ КРЕПЛЕНИЯ ГОЛОВКИ ЦИЛИНДРА ДОЛЖНЫ БЫТЬ ЗАКРУЧЕНЫ ДО МОМЕНТА ЗАТЯЖКИ И ДО УГЛА ПОВОРОТА, ОБОЗНАЧЕННОГО ОТМЕТКОЙ НА ДВИГАТЕЛЕ.

НА ДИЗЕЛЬНОМ ДВИГАТЕЛЕ, СИНХРОНИЗАЦИЯ ТОПЛИВНОГО НАСОСА ВЫСОКОГО ДАВЛЕНИЯ И РЕГУЛИРОВКА ДОЛЖНЫ БЫТЬ УСТАНОВЛЕНЫ ПО ЗАВОДСКОМУ СТАНДАРТУ.

НУЖНО ВОЗДЕРЖАТЬСЯ ОТ ИСПОЛЬЗОВАНИЯ АЭРОЗОЛЬНЫХ УСТРОЙСТВ ОБЛЕГЧАЮЩИХ ПУСК ДВИГАТЕЛЯ.

ПЕРЕД ЗАПУСКОМ ДВИГАТЕЛЯ НУЖНО ТЩАТЕЛЬНО ПРОВЕРИТЬ СИСТЕМЫ ОХЛАЖДЕНИЯ И СМАЗКИ ДВИГАТЕЛЯ.

NOTA DE INSTALACIÓN

LOS COMPONENTES DEL MOTOR TEIKIN™ SE FABRICAN BAJO LOS MÁS ALTOS ESTÁNDARES DE PRECISIÓN Y UN ESTRICTO SISTEMA DE CALIDAD. COMO TAL, LOS COMPONENTES DEL MOTOR DE TEIKIN™ DEBEN MANEJARSE CON EL MAYOR CUIDADO DURANTE LA INSTALACIÓN.

LOS PISTONES DE TEIKIN™ SE SUMINISTRAN EN EL MERCADO DE ACCESORIOS CON PASADORES DE GOBIO Y CIRCLIPS. RECOMENDAMOS CAMBIAR EL CONJUNTO COMPLETO DE PISTONES, PASADORES Y ARANDELAS DE SEGURIDAD DE TODOS LOS CILINDROS.

LOS PISTONES TEIKIN™ SE CLASIFICAN DE ACUERDO AL AJUSTE APROPIADO. POR LO TANTO, RECOMENDAMOS USAR EL JUEGO COMPLETO.

LAS CORONAS DE LOS PISTONES ESTAN MARCADAS CON EL TAMAÑO ADECUADO Y LA DIRECCION EXACTA A INSTALAR. TALES INDICACIONES DEBEN SER OBSERVADAS Y SEGUIDAS EN CONSECUENCIA.

EL VALOR MÍNIMO RECOMENDADO DE HOLGURA (MRC) ENTRE LA FALDA DEL PISTÓN, LA PARED DE LA CAMISA, EL DIÁMETRO DE LA FALDA DEL PISTÓN Y LA UBICACIÓN DEL PUNTO DE MEDICIÓN DEL DIÁMETRO DE LA FALDA DEL PISTÓN (MP) PARA CADA MOTOR SE PROPORCIONA EN ESTE CATÁLOGO.

NO SE RECOMIENDA LA INSTALACIÓN DEL KIT DE ENCENDIDO TURBO CARGADOR, TURBO CONVERSIÓN, EN UN MOTOR ORIGINALMENTE NO TURBO.

EL ANILLO DE PISTON DEBE MONTARSE Y AJUSTARSE CORRECTAMENTE. UNA FUERZA EXCESIVA DURANTE SU EXTRACCIÓN Y MONTAJE PROVOCARÁ UNA DEFORMACIÓN PERMANENTE DE LOS ANILLOS Y PERJUDICARÁ SU RENDIMIENTO. LOS ESPACIOS ENTRE ANILLOS DEBEN ESTAR DISTRIBUIDOS DE FORMA CLARA ALREDEDOR DE LA CIRCUNFERENCIA DEL PISTÓN.

LOS ANILLOS DE SEGURIDAD DEBEN ESTAR AJUSTADOS CON SUS ESPACIOS HACIA LA PARTE INFERIOR DE LOS ORIFICIOS PARA PASADORES DE GOBIO.

CYLINDER LINERS/BORES TIENEN QUE SER LIMPIADOS Y INSPECCIONADOS CONTRA DANO Y CORRUPCION. LAS SUPERFICIES CORROÍDAS Y DAÑADAS DEBEN SER ELIMINADAS MEDIANTE TALADRADO E INSTALACIÓN DE REVESTIMIENTOS DE GRAN TAMAÑO, SI ES NECESARIO.

LOS ASIENTOS DE LAS BRIDAS DEL REVESTIMIENTO EN EL ORIFICIO DEBEN ESTAR LIMPIOS, DEBIDAMENTE BISELADOS Y PERPENDICULARES AL EJE DEL ORIFICIO. ASIENTOS INCORRECTOS CAUSARÁN ROTURAS EN LAS BRIDAS Y DAÑOS IMPORTANTES EN EL MOTOR.

LAS BIELAS DEBEN SER REVISADAS EN CUANTO A PARALELISMO Y DISTORSIÓN Y RE-ALINEADAS SEGÚN SEA NECESARIO.

TODOS LOS COMPENENTES EN EL MOTOR TIENEN QUE SER LUBRICADOS Y LIMPIADOS DE SUCIEDAD, RESIDUOS DE MAQUINA Y MATERIAS EXTRAÑAS ANTES DE MONTAR EL MOTOR.

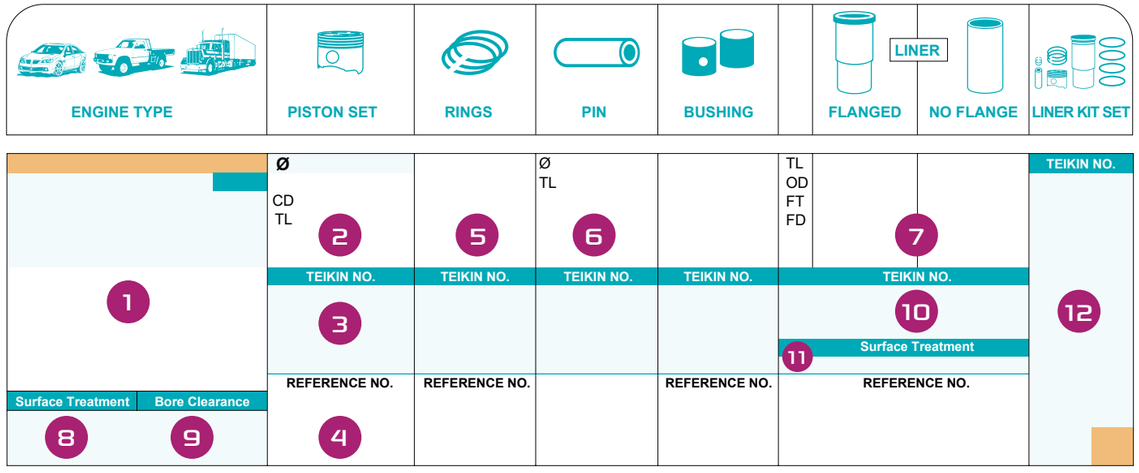
LOS PERNOS DE LA CULATA DEBEN APRETARSE AL PAR Y AL ÁNGULO DE ROTACIÓN ESPECIFICADOS POR EL FABRICANTE DEL MOTOR.

EN MOTORES DIESEL, LA SINCRONIZACIÓN Y EL AJUSTE DE LA BOMBA DE INYECCIÓN DEBEN AJUSTARSE SEGÚN EL ESTÁNDAR DE FÁBRICA.

EVITAR EL USO DE DISPOSITIVOS AUXILIARES DE ARRANQUE EN AEROSOL.

EL SISTEMA DE REFRIGERACIÓN Y LUBRICACIÓN DEL MOTOR DEBE DE SER REVISADO CUIDADOSAMENTE ANTES DE ENCENDER EL MOTOR.

CATALOG NOMENCLATURE



1
- APPLICATION AND / OR ENGINE MODELS WITH YEARS OF APPLICATION.
- CAPACITY OF ENGINE IN CUBIC CENTIMETERS (CC).
- NUMBER OF CILYNDERS.

2
- NOMINAL BORE DIAMETER.
- CD - COMPRESSION DISTANCE OF PISTON IN MILLIMETERS.
  PLUS VALUE DENOTES HEIGHT OF RAISED (ELEVATED) CROWN.
  MINUS VALUE DENOTES DEPTH OF DEPRESSED (CAVITATED) CROWN.
- TL - TOTAL LENGTH OF PISTON IN MILLIMETERS.

3
- TEIKIN NUMBER FOR PISTON.
  - SUFFIX "A" REFERS TO PISTONS WITH ALFIN REINFORCEMENT.
  - SUFFIX "G" REFERS TO PISTONS WITH OIL COOLING TUNNEL (GALLERY).
  - SUFFIX "AG" REFERS TO PISTONS WITH BOTH ALFIN AND GALLERY.
  (SUPERSEDED NUMBERS ARE GIVEN IN PARENTHESIS).

4
- REFERENCE NO.
THESE NUMBERS REFER TO COMMONLY USED NUMBERS IN THE SPAREPARTS INDUSTRY.

5
- PISTON RING SIZES.
  - SUFFIX "FK" REFERS TO FULL KEYSTONE TYPE RINGS.
  - SUFFIX "HK" REFERS TO HALF KEYSTONE TYPE RINGS.

6
- NOMINAL OUTER DIAMETER OF PISTON PINS.
- TL - TOTAL LENGTH OF PISTON PIN

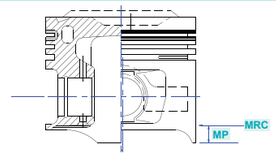
CIRCLIP TYPES



7
- TL - TOTAL LENGTH OF CILYNDER LINER IN MILLIMETERS.
- OD - OUTER DIAMETER OF CILYNDER LINER IN MILLIMETERS.
- FT - FLANGE THICKNESS OF CILYNDER LINER IN MILLIMETERS.
- FD - FLANGE DIAMETER OF CILYNDER IN MILLIMETERS.

8
- TYPE OF SURFACE TREATMENT FOR PISTON.
TIN COATED • MOLY SKIRT • ANODIZED CROWN
1ST RING ANODIZED • CHROMATED

9



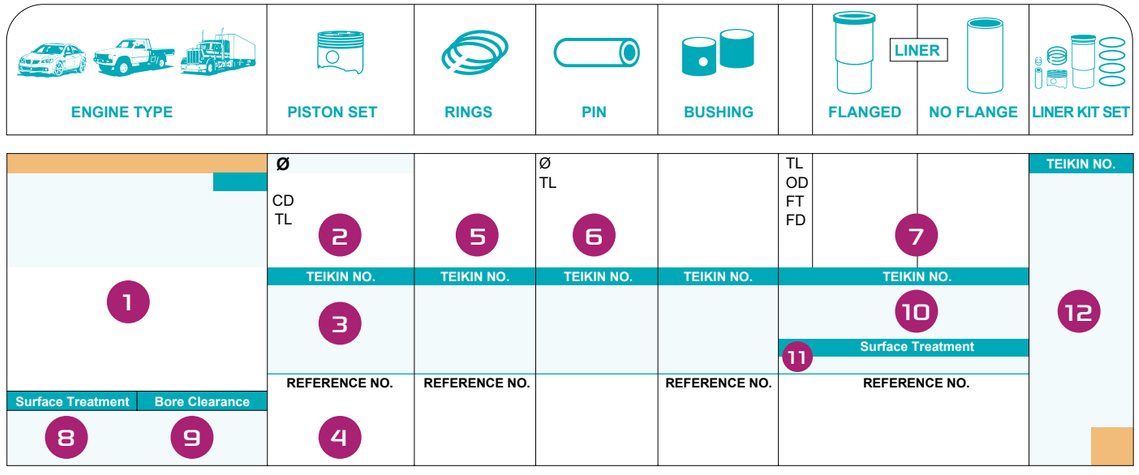
- BORE CLEARANCE
  MRC - MINIMUM RECOMMENDED CLEARANCE. MEASURED AT THIS MEASURING POINT.
  MP - MEASURING POINT HEIGHT MEASURED FROM SKIRT BOTTOM.

10
- TEIKIN LINER NUMBERING SYSTEM.
  - PREFIX "LSX" MEANS LINERS ARE SEMI-FINISHED AND NO FLANGE.
  - PREFIX "LSF" MEANS LINERS ARE SEMI-FINISHED AND FLANGED.
  - PREFIX "LFX" MEANS LINERS ARE FULLY FINISHED AND NO FLANGE.
  - PREFIX "LFF" MEANS LINERS ARE FULLY FINISHED AND FLANGED.
  - PREFIX "LCX" MEANS LINERS ARE CHROMED AND NO FLANGE.
  - PREFIX "LCF" MEANS LINERS ARE CHROMED AND FLANGED.

11
- TYPE OF SURFACE TREATMENT FOR LINER.
CHROMED • PHOSPHATE (PH)

12
- TEIKIN LINERKIT NUMBERING SYSTEM.
  - PREFIX "LKSX" MEANS LINERKIT WITH SEMI-FINISHED AND NO FLANGE LINERS.
  - PREFIX "LKSF" MEANS LINERKIT WITH SEMI-FINISHED AND FLANGED LINERS.
  - PREFIX "LKFX" MEANS LINERKIT WITH FULLY FINISHED AND NO FLANGE LINERS.
  - PREFIX "LKFF" MEANS LINERKIT WITH FULLY FINISHED AND FLANGED LINERS.
  - PREFIX "LKCX" MEANS LINERKIT WITH CHROMED AND WITH NO FLANGE LINERS.
  - PREFIX "LKCF" MEANS LINERKIT WITH CHROMED AND FLANGED LINERS.

НОМЕНКЛАТУРА КАТАЛОГА



1

- МОДЕЛЬ И/ИЛИ ДВИГАТЕЛЬ С ГОДАМИ ВЫПУСКА
- МОЩНОСТЬ ДВИГАТЕЛЯ В КУБИЧЕСКИХ САНТИМЕТРАХ
- КОЛИЧЕСТВО ЦИЛИНДРОВ

2

- НОМИНАЛЬНЫЙ ДИАМЕТР ЗАЗОРА
- CD - КОМПРЕССИОННАЯ ВЫСОТА ПОРШНЯ В ММ. ПЛЮС - ВЕЛИЧИНА ВЫСТУПА ГОЛОВКИ ПОРШНЯ. МИНУС - ВЕЛИЧИНА НЕДОХОДА ГОЛОВКИ ПОРШНЯ.
- TL - ОБЩАЯ ВЫСОТА ПОРШНЯ В ММ.

3

- АРТИКУЛ TEIKIN
  - БУКВА "A" - НАЛИЧИЕ АЛФИН ВСТАВКИ
  - БУКВА "G" - НАЛИЧИЕ КАНАЛА МАСЛЯНОГО ОХЛАЖДЕНИЯ
  - БУКВЫ "AG" - НАЛИЧИЕ И АЛФИН ВСТАВКИ И КАНАЛА

4

- СПРАВОЧНЫЕ №
  КОД ДЕТАЛИ (АРТИКУЛ) — МАРКИРОВКА ЗАВОДА-ИЗГОТОВИТЕЛЯ ИДЕНТИФИЦИРУЮЩАЯ ДЕТАЛЬ АВТОМОБИЛЯ.

5

- РАЗМЕРЫ ПОРШНЕВЫХ КОЛЕЦ
  - БУКВЫ "FK" - ТРАПЕЦИЕВИДНЫЙ ТИП КОЛЕЦ
  - БУКВЫ "HK" - ПОЛУТРАПЕЦЕВИДНЫЙ ТИП КОЛЕЦ

6

- ВНЕШНИЙ ДИАМЕТР ПОРШНЕВЫХ ПАЛЬЦЕВ.
  TL - ОБЩАЯ ДЛИНА ДЛИНА ПОРШНЕВОГО ПАЛЬЦА
  ТИПЫ КОЛЕЦ



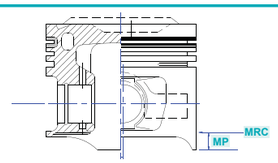
7

- TL - ОБЩАЯ ДЛИНА ГИЛЬЗЫ ЦИЛИНДРА В ММ.
- OD - ВНЕШНИЙ ДИАМЕТР ГИЛЬЗЫ ЦИЛИНДРА В ММ.
- FT - ТОЛЩИНА БУРТА ГИЛЬЗЫ ЦИЛИНДРА В ММ.
- FD - ДИАМЕТР БУРТА ГИЛЬЗЫ ЦИЛИНДРА В ММ.

8

- ТИП ОБРАБОТКИ ПОВЕРХНОСТИ ДЛЯ ПОРШНЯ
  ПОКРЫТИЕ ОЛОВОМ • МОЛИБДЕНОВОЕ ПОКРЫТИЕ/ОБКИ
  • АНОДИРОВАННАЯ ГОЛОВКА
  • 1-Е КОЛЬЦО АНОДИРОВАНО • ХРОМАТИРОВАННЫХ

9



- ДИАМЕТР ЗАЗОРА
  MRC - МИНИМАЛЬНЫЙ РЕКОМЕНДОВАННЫЙ ЗАЗОР (ЗАМЕР ПРОВОДИТСЯ В ТОЧКЕ ИЗМЕРЕНИЯ)
  MP - ТОЧКА ИЗМЕРЕНИЯ (ВЫСОТА ОТ НИЗА ЮБКИ ПОРШНЯ В ММ.)

10

- СИСТЕМА НУМЕРАЦИИ ГИЛЬЗ TEIKIN
  - БУКВЫ "LSX" - ГИЛЬЗЫ НЕ ХОНИНГОВАННЫЕ И БЕЗ БУРТА
  - БУКВЫ "LSF" - ГИЛЬЗЫ НЕ ХОНИНГОВАННЫЕ И С БУРТОМ
  - БУКВЫ "LFX" - ГИЛЬЗЫ ХОНИНГОВАННЫЕ И БЕЗ БУРТА
  - БУКВЫ "LFF" - ГИЛЬЗЫ ХОНИНГОВАННЫЕ И С БУРТОМ
  - БУКВЫ "LCX" - ГИЛЬЗЫ ХРОМИРОВАННЫЕ И БЕЗ БУРТА
  - БУКВЫ "LCF" - ГИЛЬЗЫ ХРОМИРОВАННЫЕ И С БУРТОМ

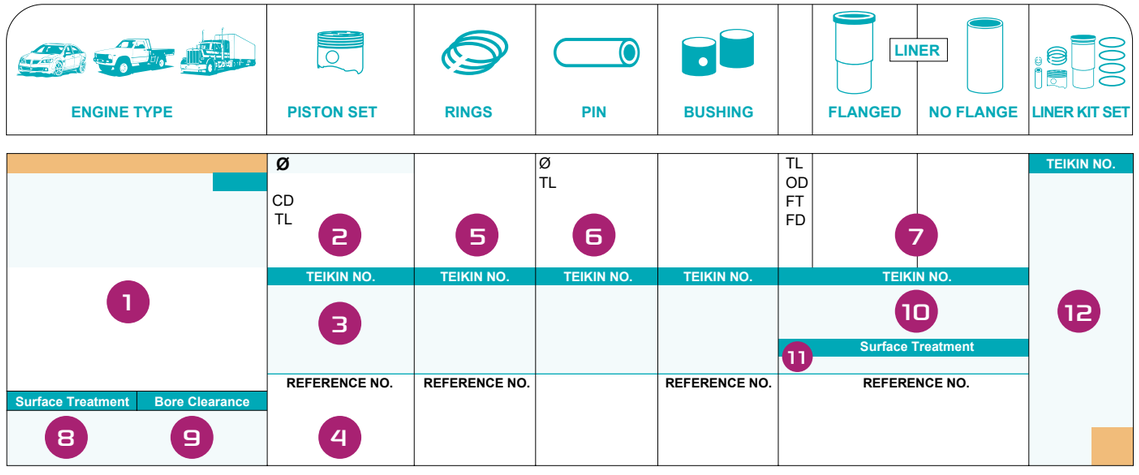
11

- ТИП ОБРАБОТКИ ПОВЕРХНОСТИ ДЛЯ ЛАЙНЕРА ХРОМИРОВАННЫЙ • ФОСФАТ (PH)

12

- СИСТЕМА НУМЕРАЦИИ КОМПЛЕКТОВ ГИЛЬЗ TEIKIN
  - БУКВЫ "LKSX" - КОМПЛЕКТ ГИЛЬЗ НЕ ХОНИНГОВАННЫХ И БЕЗ БУРТА
  - БУКВЫ "LKSF" - КОМПЛЕКТ ГИЛЬЗ НЕ ХОНИНГОВАННЫХ И С БУРТОМ
  - БУКВЫ "LKFX" - КОМПЛЕКТ ГИЛЬЗ ХОНИНГОВАННЫХ И БЕЗ БУРТА.
  - БУКВЫ "LKFF" - КОМПЛЕКТ ГИЛЬЗ ХОНИНГОВАННЫЕ И С БУРТОМ
  - БУКВЫ "LKCX" - КОМПЛЕКТ ГИЛЬЗ ХРОМИРОВАННЫХ И БЕЗ БУРТА
  - БУКВЫ "LKCF" - КОМПЛЕКТ ГИЛЬЗ ХРОМИРОВАННЫХ И С БУРТОМ

NOMENCLATURA DEL CATÁLOGO



1

- APLICACIÓN Y / O MODELOS DE MOTOR CON AÑOS DE APLICACIÓN.
- CAPACIDAD DE MOTOR EN CENTIMETROS CÚBICOS (CC)
- NÚMERO DE CILINDROS.

2

- DIÁMETROS NOMINALES DE AGUJERO
- CD - DISTANCIA DE COMPRESIÓN DEL PISTÓN EN MILÍMETROS.
  EL VALOR MAS INDICA LA ALTURA DE LA CORONA (ELEVADA).
  EL VALOR MENOS INDICA LA PROFUNDIDAD DE LA CORONA HUNDIDA (CAVITADA)
- TL - LONGITUD TOTAL DEL PISTÓN EN MILÍMETROS.

3

- NÚMERO DE TEIKIN PARA PISTÓN
  - SUFIJO "A" SE REFIERE A PISTONES CON REFUERZO DE ALFIN
  - SUFIJO "G" SE REFIERE A PISTONES CON TÚNEL DE ENFRIAMIENTO DE ACEITE (GALERÍA)
  - SUFFIX "AG" SE REFIERE A PISTONES CON ALFIN Y GALERÍA.
    (LOS NÚMEROS SUSTITUIDOS SE ENTREGAN EN PARÉNTESIS).

4

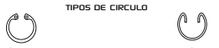
- Nº DE REFERENCIA
  ESTOS NÚMEROIS SE REFIEREN A NÚMEROS DE USO COMÚN EN LA INDUSTRIA DE PIEZAS DE REPUESTO

5

- TAMAÑOS DE ANILLO DE PISTÓN.
  - SUFIJO "FK" SE REFIERE A LOS ANILLOS DE TIPO DE KEYSTONE COMPLETO.
  - SUFIJO "HK" SE REFIERE A LA MEDIA DE LOS ANILLOS DE TIPO KEYSTONE.

6

- DIÁMETRO EXTERIOR NORMAL DE PINS DE PISTÓN.
  TL - ALTURA TOTAL DEL BULÓN DEL PISTÓN
  TIPOS DE CIRCULO



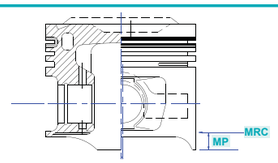
7

- TL - LONGITUD TOTAL DEL LINER DE CILINDROS EN MILÍMETROS.
- OD - DIÁMETRO EXTERIOR DEL LINER DE CILINDROS EN MILÍMETROS.
- FT - ESPESOR DE BRIDA DEL LINER DE CILINDROS EN MILÍMETROS.
- FD - DIÁMETRO DE BRIDA DEL LINER DE CILINDRO EN MILÍMETROS.

8

- TIPO DE TRATAMIENTO SUPERFICIAL
  RECUBRIMIENTO DE ESTAÑO • FALDA DE MOLIBDENO
  • CORONA ANODIZADA • PRIMER ANILLO ANODIZADO CROMADO

9



- DESPACHO DE BORE
  MRC - MÍNIMO RECHAZO RECOMENDADO MEDIDA EN ESTE PUNTO DE MEDICIÓN
  MP - ALTURA DEL PUNTO DE MEDICIÓN MEDIDO DEL FONDO DE LA FALDA

10

- SISTEMA NUMERACION DE CAMISA TEIKIN
  - PREFIJO "LSX" SIGNIFICA QUE LOS LINERS SON SEMI-ACABADOS Y SIN BRIDA
  - PREFIJO "LSF" SIGNIFICA QUE LOS LINERS SON SEMI-ACABADOS Y BRILLANTES
  - PREFIJO "LFX" SIGNIFICA QUE LOS LINERS ESTÁN COMPLETAMENTE ACABADOS Y SIN BRIDA
  - PREFIJO "LFF" SIGNIFICA QUE LOS ENGARZADORES ESTÁN COMPLETAMENTE ACABADOS Y BRILLADOS
  - PREFIJO "LCX" SIGNIFICA QUE LOS LINERS ESTÁN CROMADOS Y SIN BRIDA
  - PREFIJO "LCF" SIGNIFICA QUE LOS LINERS ESTÁN CROMADOS Y FLANGADOS

11

- TIPO DE TRATAMIENTO EN LA SUPERFICIE DEL CILINDRO CROMADO • FOSFATIZADO (PH)

12

- SISTEMA NUMERACION DE LINER KIT TEIKIN
  - PREFIJO "LKSX" SIGNIFICA LINERKIT CON SEMI-ACABADOS Y SIN BRIDAS
  - PREFIJO "LKSF" SIGNIFICA LINERKIT CON GUANTES SEMI-ACABADOS Y BRILLANTES
  - PREFIJO "LKFX" SIGNIFICA LINERKIT CON ACABADOS COMPLETOS Y SIN BRIDAS
  - PREFIJO "LKFF" SIGNIFICA LINERKIT CON LINERS COMPLETAMENTE TERMINADOS Y CON BRIDAS
  - PREFIJO "LKCX" SIGNIFICA LINERKIT CON CHROMED Y SIN FLANGE LINERS
  - PREFIJO "LKCF" SIGNIFICA LINERKIT CON GUANTES CROMADOS Y BRILLANTEST

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001 ACURA
002 ASHOK LEYLAND
003 ASIA
004 AUDI
005 BEDFORD
006 BMW
007 CHERRY
008 CHEVROLET
015 CHRYSLER
020 DAEWOO
022 DAIHATSU
029 EICHER
030 FIAT
039 FORD
051 GEELY
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475 PISTON PIN LIST
490 PISTON RING LIST
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TEIKIN™
PISTONS • RINGS • LINERS

Suitable For
GASOLINE ACURA

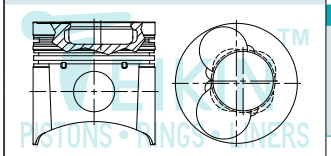
ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	LINER NO FLANGE	LINER KIT SET
C35A1 **3474 cc** RL **6 cyl.** 1996-00 F.I., SOHC 24V	**Ø 90.00** -3.5 CD 31.00 TL 59.00	1 - 1.5 1 - 1.2 1 - 2.8	Ø 21.965 TL 57.00					
	TEIKIN NO. **57101**	**TEIKIN NO.** **R 57101**	**TEIKIN NO.** **P 38157**					
Surface Treatment Tin Coated	**Bore Clearance** MRC: 0.020 mm MP: 13.50 mm	**REFERENCE NO.** 13010-P5A-000 13020-P5A-000 13030-P5A-000 13040-P5A-000	**REFERENCE NO.** 13011-P5A-003/ 4 13021-P5A-003/ 4 13031-P5A-003/ 4					1

Suitable For ASHOK LEYLAND DIESEL

TEIKIN™ PISTONS • RINGS • LINERS

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

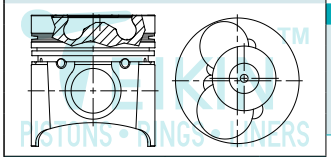
6ETI — 6 cyl.



Surface Treatment	Bore Clearance
Chromated	MRC: 0.050 mm
Moly Skirt	MP: 24.20 mm

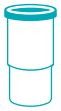
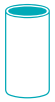
PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 104.00	1 - 3.0 FK	Ø 35.000		TL 200.0		TEIKIN NO.
-19.2	1 - 2.5	TL 85.00		OD 107.0		LKFF 63101A
CD 60.20				FT 8.0		
TL 106.20	1 - 3.0			FD 112.0		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
63101A	R 63101	P 39166		LFF 63101*		
				Surface Treatment		
				*Phosphate (PH)		
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.		
P0959651						1

6DTI — 6 cyl.



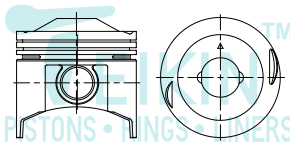
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm
	MP: 25.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 104.00	1 - 3.0 FK	Ø 37.000		TL 200.0		TEIKIN NO.
-20.5	1 - 2.5	TL 85.00		OD 107.0		LKFF 63102A
CD 62.60				FT 8.0		
TL 108.60	1 - 5.0			FD 112.0		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
63102A	R 63102	P 36127		LFF 63101*		
				Surface Treatment		
				*Phosphate (PH)		
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.		
P0990351						2

 ENGINE TYPE	 PISTON SET	 RINGS	 PIN	 BUSHING		 FLANGED	LINER  NO FLANGE	 LINER KIT SET

TOWNER

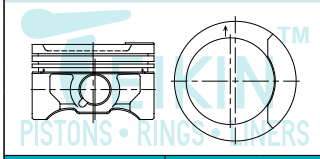
3 cyl.



Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.030 mm
1st Ring Anodized	MP: 21.00 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 70.00	1 - 1.2	Ø 18.000					
+7.5	1 - 1.5	TL 59.00					
CD 30.00							
TL 69.50	1 - 2.8						
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**					
53101	**R 53101**	**P 46141**					
REFERENCE NO.	**REFERENCE NO.**						
AA100-11-102B	AA100-11-SCO						
AA100-11-102C	AA100-11-122-32						

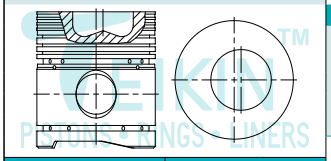
1

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
AAR / NF / NG **2309 cc** 5 cyl.	**Ø 82.50** -4.4 CD 32.20 TL 52.80	1 - 1.5 1 - 1.75 1 - 3.0	Ø 20.000 TL 57.00					
	**TEIKIN NO.** **61601**	**TEIKIN NO.** **R 61601**	**TEIKIN NO.** **P 44675**					
Surface Treatment Tin Coated **Bore Clearance** MRC: 0.030 mm MP: 8.00 mm	**REFERENCE NO.** KS: 91 513 600 MAHLE: 034 89 00	**REFERENCE NO.** KS: 800001310000 MAHLE: 034 89 N0						1

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

330, J6, 103

6 cyl.



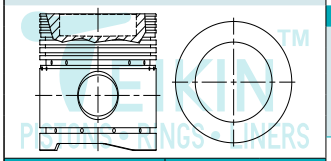
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.180 mm MP: 10.30 mm

PISTON SET	RINGS	PIN
Ø 103.18 -21.5 CD 71.47 TL 118.23	3 - 2.4 2 - 4.8	Ø 34.925 TL 88.00
TEIKIN NO. 28101	TEIKIN NO. R 28101	TEIKIN NO. P 28101
REFERENCE NO. 497301	REFERENCE NO.	

1

103-II CNG APPLICATION

6 cyl.



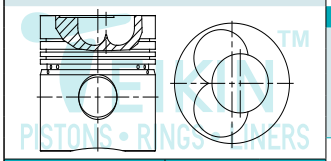
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.180 mm MP: 10.30 mm

PISTON SET	RINGS	PIN
Ø 103.18 -19.1 CD 69.30 TL 116.00	3 - 2.4 2 - 4.8	Ø 34.925 TL 88.00
TEIKIN NO. 28109		TEIKIN NO. P 28101
REFERENCE NO.		

2

104

6 cyl.



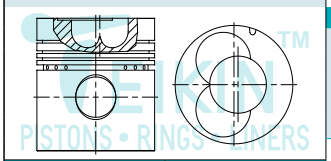
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.150 mm MP: 13.50 mm

PISTON SET	RINGS	PIN
Ø 104.78 -26.0 CD 70.96 TL 118.10	3 - 2.4 1 - 4.8	Ø 34.925 TL 90.00
TEIKIN NO. 28108		TEIKIN NO. P 28108
REFERENCE NO. 2701E-6110		

3

107

6 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm MP: 15.00 mm

PISTON SET	RINGS	PIN
Ø 107.21 -26.7 CD 71.20 TL 119.90	3 - 2.4 1 - 4.8	Ø 36.512 TL 90.00
TEIKIN NO. 28107		TEIKIN NO. P 28107
REFERENCE NO. 703F-6110-AAC		

4

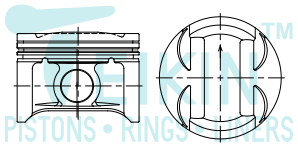
ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
M 20 B 20 L 1991 cc M20B20 M1.Z7 KAT 6 cyl. 320/6 1977-82, 320i 1982-91 520i 1988-91	Ø 80.00 +2.1 CD 43.40 TL 70.60	1 - 1.5 1 - 2.0 1 - 3.5	Ø 22.000 TL 62.00				
	TEIKIN NO. 54101	TEIKIN NO. R 54101	TEIKIN NO. P 43222				
	REFERENCE NO. KS: 92 985 600	REFERENCE NO. KS: 800001661000					
Surface Treatment: Tin Coated Bore Clearance: MRC: 0.030 mm MP: 6.50 mm							1
M 20 B 25 M1 Z7 KAT 2494 cc Z1 2.5 1988-91 6 cyl. 325i 1986-93, 525i 1988-91	Ø 84.00 +4.0 CD 34.50 TL 69.40	1 - 1.5 1 - 1.75 1 - 3.0	Ø 22.000 TL 55.00				
	TEIKIN NO. 54102	TEIKIN NO. R 54102	TEIKIN NO. P 48102				
	REFERENCE NO. KS: 93 127 600	REFERENCE NO. KS: 800001921000					
Surface Treatment: Tin Coated Bore Clearance: MRC: 0.030 mm MP: 15.00 mm							2

TEIKIN™
PISTONS • RINGS • LINERS

Suitable For

GASOLINE CHERRY

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
TIGGO **1600 cc** 4 cyl.	Ø **81.00** +0.9 CD 34.70 TL 59.60	1 - 1.2 1 - 1.5 1 - 2.5	Ø 21.000 TL 54.00					
	TEIKIN NO. **33101**		**TEIKIN NO.** **P 33101**					
	REFERENCE NO. 481H-1004020							

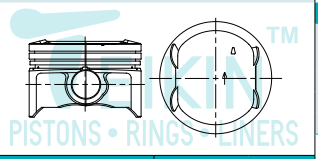


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 10.50 mm

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

SPARK 1.0
4 cyl.

PISTON SET	RINGS	PIN
Ø 68.50	2 - 1.2	Ø 17.000
+2.3		TL 52.00
CD 25.00		
TL 47.30	1 - 2.0	
TEIKIN NO.		TEIKIN NO.
30129		P 48209
REFERENCE NO.		
25192073		

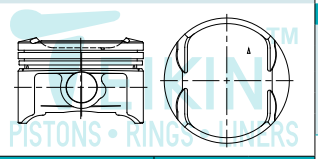


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 9.00 mm

1

SPARK GT 1.2 1200 cc
4 cyl.

PISTON SET	RINGS	PIN
Ø 69.70	2 - 1.2	Ø 17.000
+2.3		TL 53.00
CD 25.30		
TL 47.60	1 - 2.0	
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
30109	R 30109	P 49106
REFERENCE NO.	REFERENCE NO.	
96897461		
9002783		
9002781		

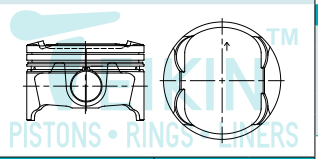


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.50 mm

2

SPARK 1.25 L
4 cyl.

PISTON SET	RINGS	PIN
Ø 70.50	1 - 1.0	Ø 18.000
+2.4	1 - 1.2	TL 47.50
CD 24.80		
TL 47.80	1 - 2.0	
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
30116	R 30116	P 30110
REFERENCE NO.	REFERENCE NO.	

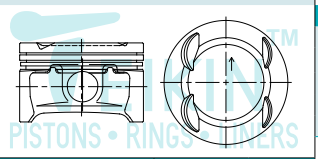


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 8.00 mm

3

A14XER 1398 cc
CRUZE
2013
4 cyl.

PISTON SET	RINGS	PIN
Ø 73.40	2 - 1.2	Ø 18.000
-1.6		TL 53.00
CD 25.90		
TL 46.80	1 - 2.0	
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
30121	R 30121	P 46332
REFERENCE NO.	REFERENCE NO.	
555 625 83	630 012	
555 711 02	630 157	
55588065	555 710 28	
623 150	931 797 23	
625 067		



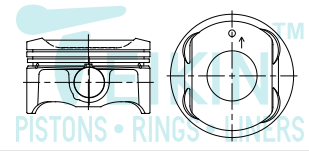
Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.030 mm MP: 5.50 mm

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

SAIL 1.4L — 1400 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 73.80 +2.2 CD 24.30 TL 45.10	2 - 1.2 1 - 2.0	Ø 18.000 TL 47.50				
TEIKIN NO. 30110	TEIKIN NO. R 30110	TEIKIN NO. P 30110				
REFERENCE NO. 2410-2246 9048491	REFERENCE NO. 93736247					

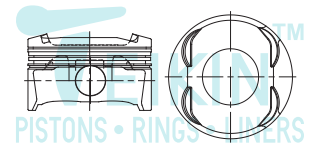


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 5.30 mm

5

SAIL 1.5L — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 74.70 +2.9 CD 25.40 TL 46.30	2 - 1.0 1 - 2.0	Ø 18.000 TL 43.00				
TEIKIN NO. 30123		TEIKIN NO. P 42224				
REFERENCE NO. 24103532						

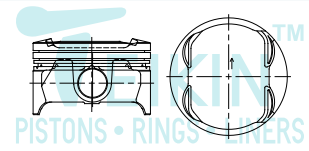


Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 7.00 mm

6

NEW OPTRA — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 74.70 +2.5 CD 25.80 TL 48.30	2 - 1.2 1 - 2.0	Ø 18.000 TL 47.50				
TEIKIN NO. 30128		TEIKIN NO. P 30110				
REFERENCE NO.						

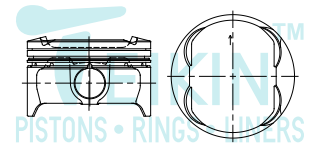


Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 9.00 mm

7

SPIN 1.5 — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 74.71 +2.7 CD 25.50 TL 48.20	1 - 1.0 1 - 1.2 1 - 2.0	Ø 18.000 TL 47.50				
TEIKIN NO. 30114	TEIKIN NO. R 30114	TEIKIN NO. P 30110				
REFERENCE NO. 25190026	REFERENCE NO.					



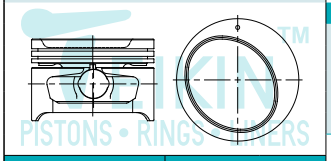
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 9.50 mm

8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

AVEO 1498 cc — 4 cyl.

PISTON SET	RINGS	PIN
Ø 76.50	2 - 1.5	Ø 18.000
-5.3		TL 56.00
CD 28.00		
TL 51.00	1 - 3.0	
TEIKIN NO. 30104	**TEIKIN NO.** R 30104	**TEIKIN NO.** P 30104
REFERENCE NO. 96335640	**REFERENCE NO.** 93742293, 93742294, 93742295, NP960	

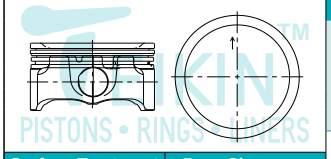


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 8.00 mm

9

ONIX 1.4L NF 8V — 4 cyl.

PISTON SET	RINGS	PIN
Ø 77.60	2 - 1.0	Ø 18.000
-3.4		TL 56.00
CD 24.50		
TL 42.50	1 - 2.0	
TEIKIN NO. 30115	**TEIKIN NO.** R 30115	**TEIKIN NO.** P 30104
REFERENCE NO. SUB0678	**REFERENCE NO.**	



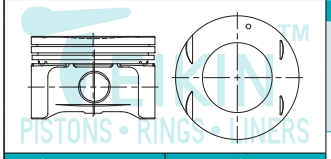
Surface Treatment	Bore Clearance
Tin Coated Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 8.00 mm

10

AVEO-III 1400 cc — 4 cyl.

CHEVROLET OPTRA
1.4L

PISTON SET	RINGS	PIN
Ø 77.90	1 - 1.2	Ø 18.000
-1.4	1 - 1.5	TL 56.00
CD 31.90		
TL 51.90	1 - 2.5	
TEIKIN NO. 30107	**TEIKIN NO.** R 30107	**TEIKIN NO.** P 30104
REFERENCE NO. 96389056	**REFERENCE NO.** 93740422	



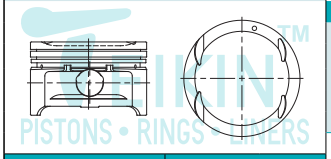
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 7.00 mm

11

AVEO-II 1600 cc — 4 cyl.

AVEO 04-05
E-TEC II
DOHC 16V
DAEWOO LACETTI 1.6 DOHC
PONTIAC G3 2007-2008

PISTON SET	RINGS	PIN
Ø 79.00	1 - 1.2	Ø 18.000
-2.6	1 - 1.5	TL 56.00
CD 27.80		
TL 49.80	1 - 3.0	
TEIKIN NO. 30105	**TEIKIN NO.** R 49102	**TEIKIN NO.** P 30104
REFERENCE NO. 96389106, 93740514, 93740515	**REFERENCE NO.** S1220014, S1220015, S1220016, 93740225	

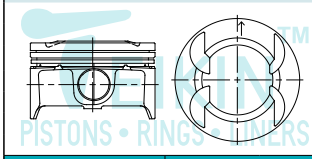


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 9.00 mm

12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

SONIC 1.6L — 1600 cc — 4 cyl.

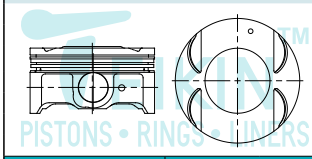


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 9.00 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 79.00 +1.2 CD 26.80 TL 50.00	2 - 1.2 1 - 2.0	Ø 19.000 TL 47.00				
TEIKIN NO. 30119	TEIKIN NO. R 30119	TEIKIN NO. P 44609				
REFERENCE NO. 25190255	REFERENCE NO.					

13

CRUZE 1.8L — 4 cyl.

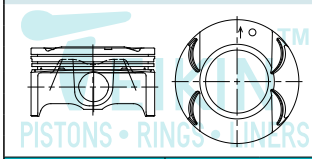


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 3.50 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 80.50 +1.0 CD 25.40 TL 43.20	2 - 1.2 1 - 2.0	Ø 19.000 TL 50.00				
TEIKIN NO. 30112	TEIKIN NO. R 30112	TEIKIN NO. P 48205				
REFERENCE NO. 96476941	REFERENCE NO. G-0814120000 KS: 800038910000 MAHLE: 01202N0 MAHLE: A14195					

14

TRACKER 1.8L — 1796 cc — 4 cyl.

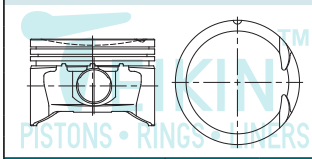


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 7.00 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 80.50 +0.7 CD 25.40 TL 45.10	2 - 1.2 1 - 2.0	Ø 19.000 TL 50.00				
TEIKIN NO. 30120		TEIKIN NO. P 48205				
REFERENCE NO. 25192330						

15

OPTRA 1.8L — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Moly Skirt	MP: 11.20 mm

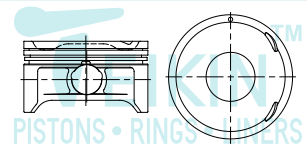
PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 81.60 -4.0 CD 30.40 TL 56.40	1 - 1.2 1 - 1.5 1 - 3.0	Ø 21.000 TL 61.50				
TEIKIN NO. 30106	TEIKIN NO. R 30106	TEIKIN NO. P 56104				
REFERENCE NO. 92066781	REFERENCE NO.					

16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

CAPTIVA 2.4L 2400 cc
4 cyl.

Ø	87.50	1 - 1.2	Ø	21.000
	-6.1	1 - 1.5	TL	61.50
CD	27.00			
TL	50.10	1 - 2.5		



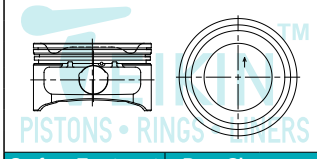
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
30111	R 30111	P 56104
REFERENCE NO.	REFERENCE NO.	
92067744		

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Moly Skirt	MP: 10.00 mm

17

DIMAX 2.4L
D-MAX 2.400
2015
4 cyl.

Ø	87.50	1 - 1.2	Ø	21.000
	-7.5	1 - 1.5	TL	63.50
CD	27.30			
TL	50.30	1 - 2.5		



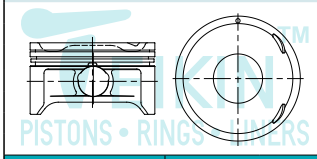
TEIKIN NO.	TEIKIN NO.
30122	P 32120
REFERENCE NO.	
24577832	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Moly Skirt	MP: 10.00 mm
Anodized Crown	
1st Ring Anodized	

18

CAPTIVA 3.6L
6 cyl.

Ø	87.50	1 - 1.2	Ø	21.000
	-6.1	1 - 1.5	TL	61.50
CD	27.00			
TL	50.10	1 - 2.5		



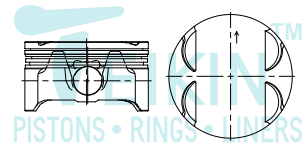
TEIKIN NO.	TEIKIN NO.
30111-6	P 56104
REFERENCE NO.	
92067744	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Moly Skirt	MP: 10.00 mm

19

CAPTIVA SPORT 2.4 L 2384 cc
4 cyl.

Ø	88.00	1 - 1.2	Ø	20.000
	-2.7	1 - 1.5	TL	55.00
CD	27.80			
TL	49.30	1 - 2.0		



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
30118	R 30118	P 42108
REFERENCE NO.	REFERENCE NO.	
12646457		

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 8.50 mm
1st Ring Anodized	

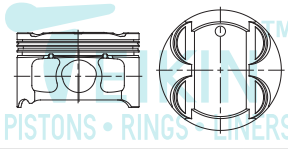
20

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

CAPTIVA 3.2

6 cyl.

Ø 89.00 +0.4	1 - 1.2 1 - 1.5 1 - 2.5	Ø 24.000 TL 60.00				
CD 32.00 TL 55.40						
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
30113	**R 30113**	**P 30113**				
REFERENCE NO.	**REFERENCE NO.**					
92068448	920 684 46					



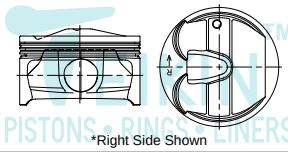
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 8.50 mm

21

CAPTIVA 3.0 L 3000 cc

6 cyl.

Ø 89.00 +5.3	1 - 1.0 1 - 1.2 1 - 1.5	Ø 24.000 TL 52.00				
CD 29.00 TL 56.30						
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
30117	**R 30117**	**P 30117**				
REFERENCE NO.	**REFERENCE NO.**					
12631195 (R) 12631196 (L)	12631194					

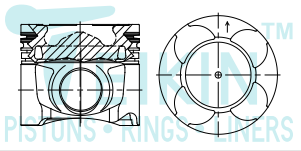


*Right Side Shown

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 6.00 mm

22

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
S10 4 cyl.	Ø 94.00 -17.1 CD 52.00 TL 80.10	1 - 2.8 FK 1 - 2.0 1 - 2.0	Ø 31.990 TL 71.00					
	TEIKIN NO. 30130AG	TEIKIN NO. R 30130	TEIKIN NO. P 30130					
	REFERENCE NO.	REFERENCE NO.						

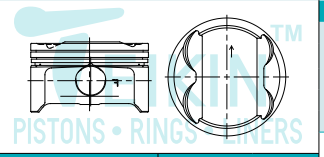


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.050 mm MP: 9.00 mm

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	LINER NO FLANGE	LINER KIT SET

1.8L 1798 cc — 4 cyl.

AVENGER 2008-2010
CALIBER 2007-2011
JEEP COMPASS
PATRIOT 2007-2011
DOHC 16V DUAL VVT



Ø	86.00
	+1.1
CD	27.20
TL	51.20

RINGS: 2 - 1.2 / 1 - 2.0

Ø	21.000
TL	59.00

TEIKIN NO.	PISTON SET
	31132

TEIKIN NO.	PIN
	P 45131

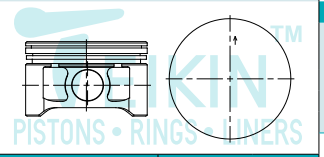
Surface Treatment	Bore Clearance
Chromated	MRC: 0.030 mm
Moly Skirt	MP: 9.00 mm

REFERENCE NO.
05191337AA
05191338AA
05191339AA

1

2.7 L 2736 cc — 6 cyl.

INTERPID
CONCORDE
F.I.,DOHC 24 V
INTREPID 98-01



Ø	86.00
CD	31.20
TL	53.20

RINGS: 2 - 1.5 / 1 - 3.0

Ø	22.000
TL	60.00



TEIKIN NO.	PISTON SET
	31117

TEIKIN NO.	RINGS
	R 31117

TEIKIN NO.	PIN
	P 34102

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.020 mm
Anodized Crown	MP: 8.50 mm
1st Ring Anodized	

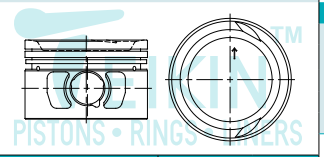
REFERENCE NO.
5003427AA
5018627AA
5018627AC
5018627AD
05018627AB

REFERENCE NO.
4897027AA
4897027AB
632011
90509740

2

2.5 L 2507 cc — 4 cyl.

SPIRIT / SHADOW
TURBO DAYTONA,
SUNDANCE
F.I., SOHC 8V 1989-95
NEW YORKER 86-89



Ø	87.50
	-7.5
CD	34.50
TL	56.50

RINGS: 2 - 1.5 / 1 - 4.0

Ø	22.885
TL	69.00



TEIKIN NO.	PISTON SET
	31115

TEIKIN NO.	PIN
	P 31115

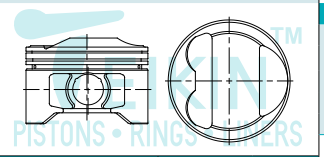
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 6.50 mm

REFERENCE NO.
4637664

3

2.4 L 2429 cc — 4 cyl.

CIRRUS / STRATUS
BREEZE, SEBRING
F.I., DOHC 16 V
1997-00
SEBRING 95-00



Ø	87.50
	+6.5
CD	30.40
TL	61.50

RINGS: 1 - 1.2 / 1 - 1.5 / 1 - 3.0

Ø	22.000
TL	72.60

TEIKIN NO.	PISTON SET
	31116

TEIKIN NO.	RINGS
	R 31116

TEIKIN NO.	PIN
	P 31116

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm
	MP: 9.50 mm

REFERENCE NO.
4897660AA

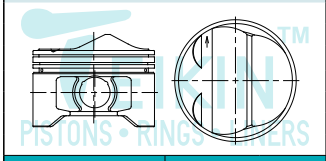
REFERENCE NO.
4897024AA
HT-2C4948
N-SWC10-004

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

EDZ — 2429 cc — 4 cyl.

CARAVAN, VOYAGER
PT CRUISER, SEBRING
STRATUS
F.I., DOHC 16 V
2001-02



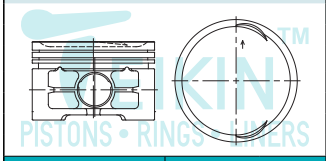
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 9.50 mm

PISTON SET	RINGS	PIN
Ø 87.50 +11.5	2 - 1.5	Ø 22.000
CD 30.20		TL 72.60
TL 66.30	1 - 3.0	
TEIKIN NO. 31118	TEIKIN NO. R 31118	TEIKIN NO. P 31116
REFERENCE NO. 5066565AA 5066565AB	REFERENCE NO. 4773005 5073524AA HT-2M4734 N-SWC10-007	

5

2.5L-II (153) — 4 cyl.

SOHC 8 VAL VIN J.K
SHADOW
SPIRIT
PHANTOM
86-95



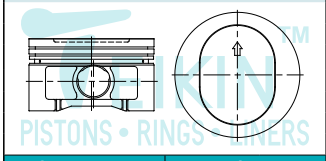
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 6.00 mm

PISTON SET	RINGS	PIN
Ø 87.50 -3.7	2 - 1.5	Ø 22.885
CD 34.50		TL 67.50
TL 56.10	1 - 4.0	
TEIKIN NO. 31125		TEIKIN NO. P 31120
REFERENCE NO. 4536292 4536293		

6

MOT. 201 — 3300 cc — 6 cyl.

GRAND VOYAGER
VOYAGER, TOWN & COUNTRY
1991 - 2000
V6 SOHC 12 Válv.

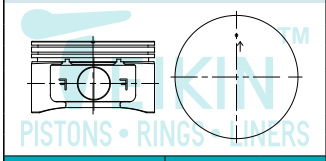


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

PISTON SET	RINGS	PIN
Ø 93.00 -2.3	2 - 1.5	Ø 22.885
CD 31.70		TL 67.50
TL 53.60	1 - 3.0	
TEIKIN NO. 31120		TEIKIN NO. P 31120
REFERENCE NO. 5241057		

7

POWER TECH 3.7 — 3701 cc — 6 cyl.



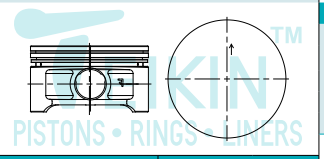
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

PISTON SET	RINGS	PIN
Ø 93.00	2 - 1.5	Ø 24.020
		TL 59.00
CD 31.80		
TL 53.90	1 - 3.0	
TEIKIN NO. 31130-6	TEIKIN NO. R 31130-6	TEIKIN NO. P 31130
REFERENCE NO. 5012362AB 5012362AC 5019316AA	REFERENCE NO. 4897033A 5012364AC 5241052	

8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

3.3L — 6 cyl.
TOWN & COUNTRY
VOYAGER,
GRAND VOYAGER
CARAVAN
GRAND CARAVAN

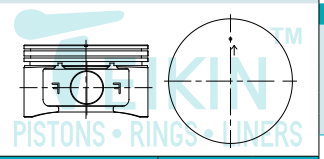


Surface Treatment	Bore Clearance
Chromated	MRC: 0.030 mm
Moly Skirt	MP: 8.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 93.00	2 - 1.5	Ø 22.885				
		TL 67.50				
CD 30.00						
TL 52.00	1 - 3.0					
TEIKIN NO. 31133		TEIKIN NO. P 31120				
REFERENCE NO. 04897772AA 04666130AB						

9

POWER TECH 4.7 — 4701 cc — 8 cyl.

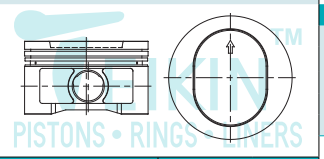


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
	MP: 7.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 93.00	2 - 1.5	Ø 24.020				
		TL 59.00				
CD 31.80						
TL 53.90	1 - 3.0					
TEIKIN NO. 31130	TEIKIN NO. R 31130	TEIKIN NO. P 31130				
REFERENCE NO. 5012362AB 5012362AC 5019316AA	REFERENCE NO. 4897033A 5012364AC 5241052					

10

MOT. 232 — 3800 cc — 6 cyl.
GRAND VOYAGER
TOWN & COUNTRY
1994-2000
V6 OHV 12 Váv (Vin-L)

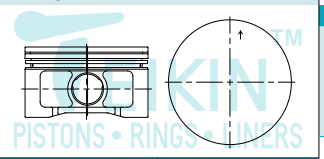


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
	MP: 6.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 96.00	2 - 1.5	Ø 22.885				
-4.9		TL 71.50				
CD 34.90						
TL 56.60	1 - 3.0					
TEIKIN NO. 31119		TEIKIN NO. P 31119				
REFERENCE NO. 4797692						

11

EGH — 3778 cc — 6 cyl.
PACIFICA 2005-2007
CARAVAN 2000-2008
GRAND CARAVAN 2001-2002
TOWN & COUNTRY 2001-2008
24V V6



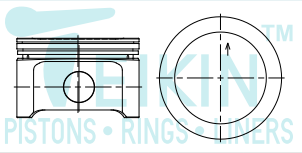
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
	MP: 6.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 96.00	1 - 1.2	Ø 22.885				
	1 - 1.5	TL 71.50				
CD 32.30						
TL 54.10	1 - 3.0					
TEIKIN NO. 31121		TEIKIN NO. P 31119				
REFERENCE NO. 5019338AA 4666129AA						

12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

EGJ — **3518 cc** — 6 cyl.
PACIFICA 2002-2007
SEBRING 2007-2008
SOHC V6 24V

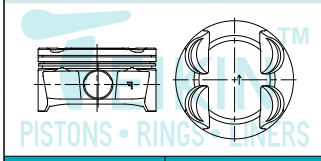


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 9.00 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 96.00 -0.6	1 - 1.2	Ø 24.000				
CD 38.20	1 - 1.5	TL 61.00				
TL 62.20	1 - 3.0					
TEIKIN NO. 31122		TEIKIN NO. P 46300				
REFERENCE NO. 5102235AA						

13

3.6L — **3604 cc** — 6 cyl.
JOURNEY, AVENGER, CHARGER, CHALLENGER, 300, 200, TOWN & COUNTRY, VOYAGER CARAVAN, DURANGO, VW ROUTAN JEEP GRAND CHEROKEE, WRANGLER

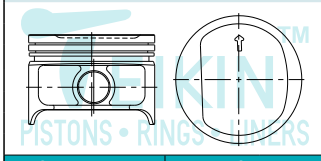


Surface Treatment	Bore Clearance
Chromated	MRC: 0.030 mm
Moly Skirt	MP: 8.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 96.00 -0.5	2 - 1.2	Ø 22.000				
CD 29.60		TL 52.00				
TL 51.50	1 - 2.0					
TEIKIN NO. 31134	TEIKIN NO. R 31134	TEIKIN NO. P 55106				
REFERENCE NO. 05184347AG 5184503AG M-2243855WR M-2243855	REFERENCE NO. 68078776A M-42155CP N-SWC10-025					

14

153 — **2507 cc** — 4 cyl.
1996-2002
JEEP SAHARA 98-02
WRANGLER 01-06
RUBICON 05-06
GRAND CHEROKEE 98-02

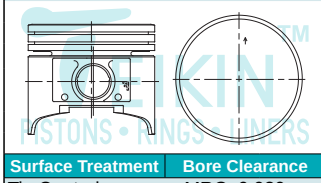


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
	MP: 13.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 98.43 -2.6	2 - 1.5	Ø 23.640				
CD 40.50		TL 68.50				
TL 69.20	1 - 4.0					
TEIKIN NO. 31124		TEIKIN NO. P 31124				
REFERENCE NO. 53020507						

15

3.9L (239) — 6 cyl.
OHV 12 VAL
DAKOTA
RAM VAN
RAM1500
92-03



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 24.00 mm

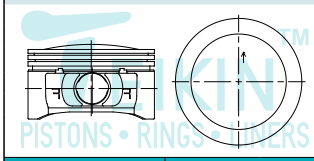
PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 99.31	2 - 2.0	Ø 25.000				
CD 44.80		TL 76.00				
TL 86.30	1 - 4.0					
TEIKIN NO. 31127		TEIKIN NO. P 31127				
REFERENCE NO. 53008567						

16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

HEMI 5.7

8 cyl.



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 8.00 mm
1st Ring Anodized	

Ø	99.50
	+4.0
CD	30.70
TL	58.70

TEIKIN NO. 31131

REFERENCE NO. 05086011AB

2 - 1.5

1 - 3.0

Ø	24.000
TL	71.00

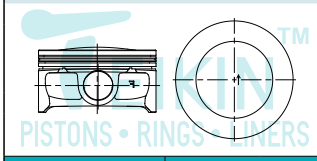
TEIKIN NO. P 31131

17

5.7L

ASPEN 2009
CHALLENGER 2009-2011
DURANGO 2009-2013
RAM 1500, 2500, 3500 2009-2013,
RAM 4000 2011-2013

8 cyl.



Surface Treatment	Bore Clearance
Chromated	MRC: 0.030 mm
Moly Skirt	MP: 8.00 mm

Ø	99.50
	+2.4
CD	30.00
TL	55.10

TEIKIN NO. 31135

REFERENCE NO. 53022257AE
53022258AE

2 - 1.2

1 - 2.0

Ø	24.000
TL	63.00



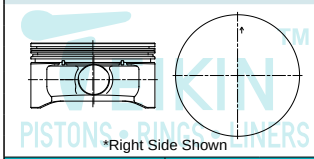
TEIKIN NO. P 44262

18

370 CID 6059 cc

DODGE
JEEP 6.1L
V8 HEMI
2005-2010

8 cyl.



*Right Side Shown

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 7.00 mm
1st Ring Anodized	

Ø	103.00
CD	31.00
TL	55.00

TEIKIN NO. 31129

REFERENCE NO. 68031890AD (R/L)
68031891AD

2 - 1.5

1 - 3.0

Ø	25.000
TL	65.00



TEIKIN NO. P G0120

19

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

F8C — 800 cc — 3 cyl.
TICO, DAMAS

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 68.50	1 - 1.2	Ø 16.000				
-2.5	1 - 1.5	TL 52.50				
CD 25.00						
TL 55.00	1 - 2.8					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
49104	**R 49104**	**P 45113**				
REFERENCE NO.	**REFERENCE NO.**					
12111-A78B01-0A0	12140-78B00					
12111-078B00-000	94599003					
12111-A78B01-0B0	94581419					

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 17.00 mm

1

MATIZ II — 1000 cc — 4 cyl.
B10S
MATIZ (PONTIAC G2) 62 CP 04-06,
MATIZ (PONTIAC G2) 65 CP 07-09

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 68.50	2 - 1.2	Ø 17.000				
-1.0		TL 53.00				
CD 25.20						
TL 52.20	1 - 2.5					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
49106	**R 49106**	**P 49106**				
REFERENCE NO.	**REFERENCE NO.**					
96325189	96325192					
96325191	96611457					
96567383/4/5/6	96611458					

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 14.50 mm

2

LE MANS 1.5 — 1500 cc — 4 cyl.
CIERO, LANOS, CIELO
SOHC

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 76.50	2 - 1.5	Ø 18.000		TL 180.0		**TEIKIN NO.**
-3.7		TL 56.00		OD 80.5		**LKSX 49101**
CD 27.95						
TL 48.35	1 - 3.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		
49101	**R 49101**	**P 30104**		**LSX 49101**		
				Surface Treatment		
				None		
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**		
NP1014	93742293					
96143171	93742294/5					
96081975	NP960					
90264520						
96350120						

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 6.00 mm

3

CIELO 1.5 — 1500 cc — 4 cyl.
A15MF
DOHC

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 76.50	2 - 1.5	Ø 18.000		TL 180.0		**TEIKIN NO.**
+0.6		TL 56.00		OD 80.5		**LKSX 49103**
CD 28.30						
TL 51.90	1 - 3.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		
49103	**R 49101**	**P 30104**		**LSX 49101**		
				Surface Treatment		
				None		
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**		
96182163	93742293					
96183336	93742294/5					
	NP960					

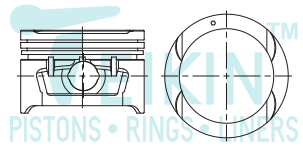
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 7.50 mm

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

NUBIRA-II 1498 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 76.50	2 - 1.5	Ø 18.000		TL		180.0	TEIKIN NO.
-2.0		TL 56.00		OD		80.5	LKSX 49105
CD 28.30							
TL 51.30	1 - 3.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
49105	R 49101	P 30104		LSX 49101			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
96182814	93742293						
93740215/16	93742294/5						
93740221/22	NP960						
S1220010/11							
S1220028/29							

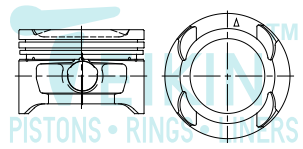


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 8.00 mm

5

NUBIRA-IV — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 76.50	2 - 1.5	Ø 18.000					
-4.4		TL 54.00					
CD 28.30							
TL 51.30	1 - 3.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.					
49107	R 49101	P 58107					
REFERENCE NO.	REFERENCE NO.						
	93742293						
	93742294/5						
	NP960						

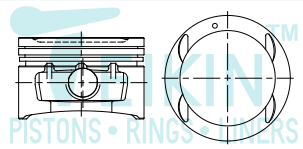


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 9.00 mm

6

NUBIRA — A16DM, A16MF — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 79.00	1 - 1.2	Ø 18.000					
-2.9	1 - 1.5	TL 56.00					
CD 28.40							
TL 51.30	1 - 3.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.					
49102	R 49102	P 30104					
REFERENCE NO.	REFERENCE NO.						
96182846	S1220014						
93740129	S1220015						
93740219/20	S1220016						
S1220019	93740225						
S1220020/1/2							



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 8.00 mm

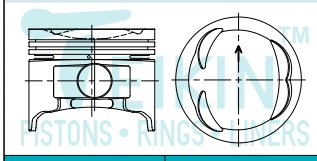
7

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
S-38P (NEW) 356 cc L-38 FELLOW (OLD) 2 cyl.	Ø 62.00 +5.0 CD 32.00 TL 71.00	1 - 2.0 HK 2 - 2.0	Ø 17.000 TL 53.00				1
	TEIKIN NO. 32106		TEIKIN NO. P 49106				
	REFERENCE NO. 13101-87207						
Surface Treatment: None Bore Clearance: MRC: 0.030 mm MP: 20.00 mm							
KF-DET MOVE CONTE (2008-2017) 3 cyl. PIXIS SPACE (2011-2017)	Ø 63.00 -3.7 CD 27.00 TL 43.00	1 - 1.0 1 - 1.2 1 - 2.0	Ø 18.000 TL 39.00				2
	TEIKIN NO. 32154		TEIKIN NO. P 32154				
	REFERENCE NO. 13101-B2082						
Surface Treatment: Tin Coated, Anodized Crown, 1st Ring Anodized Bore Clearance: MRC: 0.030 mm MP: 5.50 mm							
KF-VE-II ATRAI 3 cyl. CAST COPEN ESSE, HIJET (2012-PRESENT)	Ø 63.00 -3.1 CD 26.90 TL 42.90	1 - 1.0 1 - 1.2 1 - 2.0	Ø 18.000 TL 39.00				3
	TEIKIN NO. 32155		TEIKIN NO. P 32154				
	REFERENCE NO. 13101-B2092						
Surface Treatment: Chromated, Anodized Crown, 1st Ring Anodized Bore Clearance: MRC: 0.030 mm MP: 5.00 mm							
KANCIL 850 CC NEW 846 cc 3 cyl.	Ø 66.60 -5.0 CD 28.50 TL 56.50	2 - 1.2 1 - 2.0	Ø 18.000 TL 53.00				4
	TEIKIN NO. 32146	TEIKIN NO. R 32146	TEIKIN NO. P 46332				
	REFERENCE NO. 13101-87Z13-010	REFERENCE NO.					
Surface Treatment: Anodized Crown, 1st Ring Anodized Bore Clearance: MRC: 0.030 mm MP: 16.50 mm							

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

EF — 660 cc — 3 cyl.

PISTON SET	RINGS	PIN
Ø 68.00	1 - 1.2	Ø 18.000
-5.2	1 - 1.5	TL 50.00
CD 28.00		
TL 55.00	1 - 2.8	
TEIKIN NO.		**TEIKIN NO.**
32150		**P 45136**
REFERENCE NO.		
13101-87216		

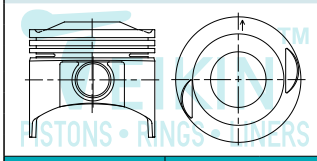


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 15.00 mm

5

CD — 843 cc — 3 cyl.

PISTON SET	RINGS	PIN
Ø 70.00	2 - 1.5	Ø 18.000
+4.3		TL 61.00
CD 28.00		
TL 64.30	1 - 2.8	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
32601	**R 32601**	**P 43187**
(32141)		
REFERENCE NO.	**REFERENCE NO.**	
13101-87717	13011-87712	
13101-87708	13013-87710	
13101-87731		



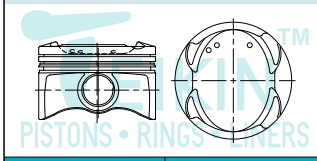
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 19.00 mm

6

1KR-DE / 1KR-VE — 998 cc — 3 cyl.

DAIHATSU SIGRA 3 CYL
AYLA / HI-MAX 3 CYL

PISTON SET	RINGS	PIN
Ø 71.00	1 - 1.2	Ø 18.000
+2.8	1 - 1.0	TL 47.50
CD 26.50		
TL 47.10	1 - 2.0	
TEIKIN NO.		**TEIKIN NO.**
32153		**P 30110**
REFERENCE NO.		
13211-BZ201-001		



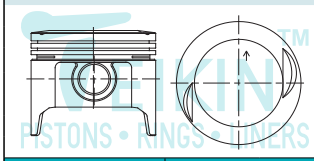
Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 3.50 mm

7

S-10P — 547 cc — 2 cyl.

AB

PISTON SET	RINGS	PIN
Ø 71.60	2 - 1.5	Ø 18.000
+0.8		TL 61.00
CD 30.30		
TL 62.60	1 - 2.8	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
32110	**R 32110**	**P 43187**
REFERENCE NO.	**REFERENCE NO.**	
13101-87022	13011-87701/2	
13101-87715	13011-87705/9	
13101-87732	13011-87710/4	
13101-87701		



Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 16.00 mm

8

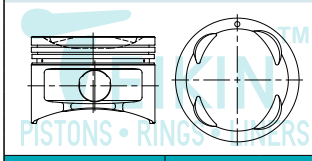
ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

KELISA 1000 CC — 989 cc — 3 cyl.

Ø 72.00	-6.8	2 - 1.2	Ø 18.000	TL 53.00
CD 28.70				
TL 50.60		1 - 1.5		

TEIKIN NO.		TEIKIN NO.
32147		P 46332

REFERENCE NO.
13101-87Z11-01
13101-B2170-01



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Anodized Crown	MP: 10.00 mm
1st Ring Anodized	

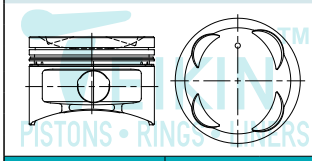
9

EJ-VE-II — 1000 cc — 3 cyl.
XENIA NEW
2013

Ø 72.00	-6.8	2 - 1.2	Ø 18.000	TL 53.00
CD 28.60				
TL 50.60		1 - 2.0		

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
32151	R 32151	P 46332

REFERENCE NO.	REFERENCE NO.
13101-BZ090-031	



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Anodized Crown	MP: 10.00 mm
1st Ring Anodized	

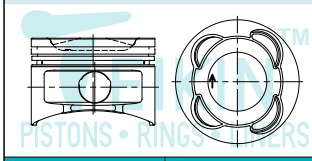
10

EJ-DE / EJ-VE — 989 cc — 3 cyl.
DOHC 12V

Ø 72.00	-7.1	2 - 1.2	Ø 18.000	TL 53.00
CD 28.50				
TL 50.60		1 - 2.5		

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
32605	R 32605	P 46332

REFERENCE NO.	REFERENCE NO.
13101-97201	13011-97201/10
13102-97201	13012-97201/8
13103-97201	13013-97201/10



Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.030 mm
1st Ring Anodized	MP: 10.00 mm

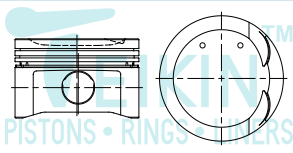
11

K3-DE — 1300 cc — 4 cyl.
DAIHATSU GRAND MAX 1.3L

Ø 72.00	-3.8	2 - 1.2	Ø 18.000	TL 53.00
CD 28.00				
TL 45.50		1 - 2.0		

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
32144	R 32606	P 46332

REFERENCE NO.	REFERENCE NO.
13101-BZ180-001	13011-97401
13101-BZ110	13011-97404
13101-B1030	13013-97401
13103-B1050	



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Anodized Crown	MP: 5.70 mm
1st Ring Anodized	

12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE (LINER)	LINER KIT SET

K3-VE-II — 1297 cc — 4 cyl.

PISTON SET	RINGS	PIN
Ø 72.00	2 - 1.2	Ø 18.000
-2.8		TL 54.00
CD 28.10		
TL 45.20	1 - 2.0	
TEIKIN NO. 32606	**TEIKIN NO.** R 32606	**TEIKIN NO.** P 58107
REFERENCE NO. 13101-97403, 13103-97403	**REFERENCE NO.** 13011-97401, 13011-97404, 13013-97401	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Anodized Crown	MP: 5.30 mm

13

K3-VE-III — 1297 cc — 4 cyl.

COPEN ~ SIRION
M300/ 301/ 311
(04-06)
DOHC 16V

PISTON SET	RINGS	PIN
Ø 72.00	2 - 1.2	Ø 18.000
-4.0		TL 54.00
CD 28.10		
TL 45.20	1 - 2.0	
TEIKIN NO. 32607	**TEIKIN NO.** R 32606	**TEIKIN NO.** P 58107
REFERENCE NO. 13101-97401, 13103-97401	**REFERENCE NO.** 13011-97401, 13011-97404, 13013-97401	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Anodized Crown	MP: 7.00 mm

14

3NR-VE — 1197 cc — 4 cyl.

DAIHATSU SIGRA 4 CYL
AYLA 4 CYL

PISTON SET	RINGS	PIN
Ø 72.50	1 - 1.2	Ø 18.000
+2.5	1 - 1.0	TL 53.00
CD 30.20		
TL 49.20	1 - 2.0	
TEIKIN NO. 32152		**TEIKIN NO.** P 46332
REFERENCE NO. 13101-BZ270-001		

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 5.50 mm
1st Ring Anodized	

15

G11 — 993 cc — 3 cyl.

CB

PISTON SET	RINGS	PIN
Ø 76.00	2 - 1.5	Ø 18.000
-4.0		TL 61.00
CD 28.50		
TL 60.55	1 - 2.8	
TEIKIN NO. 32117	**TEIKIN NO.** R 32117	**TEIKIN NO.** P 43187
REFERENCE NO. 13101-87719, 13101-87709/13/9, 13101 -87729, 13211-87719/29	**REFERENCE NO.** 13011-87703/4/8/18, 13012-87708/18, 13013-87708/18	

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm
	MP: 17.50 mm

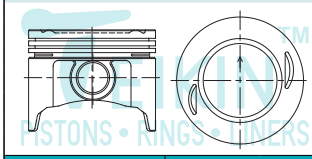
16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

S75 — 993 cc — 3 cyl.

CB

Ø 76.00	2 - 1.5	Ø 18.000
-1.4		TL 61.00
CD 28.45		
TL 60.50	1 - 2.8	



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
32124	R 32117	P 43187

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 15.00 mm

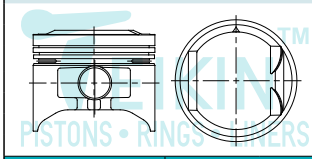
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13101-87730 13101-87736 13211-87711 13101-87703/4 13101-87704 13101-87119	13011-87703/4/8/18 13012-87708/18 13013-87708/18

17

S89 — 1295 cc — 4 cyl.

HC
DK 105

Ø 76.00	1 - 1.2 1 - 1.5	Ø 19.000 TL 58.00
+2.6		
CD 30.30		
TL 62.90	1 - 3.0	



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
32125	R 32125	P 32125

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 17.00 mm

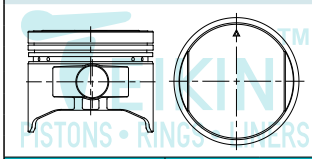
REFERENCE NO.	REFERENCE NO.
13101-87107	13011-87104/5/6/7/8
13101-87105	13011-87109/10/11/12/13
13211-87105	13012-87104/6/7/8/9/10
13211-87111	13013-87111/2/3

18

HD — 1589 cc — 4 cyl.

FEROZA

Ø 76.00	1 - 1.2 1 - 1.5	Ø 19.000 TL 58.00
+0.5		
CD 30.20		
TL 60.70	1 - 3.0	



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
32142	R 32125	P 32125

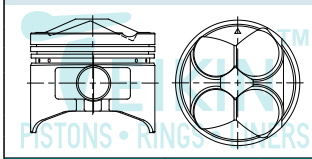
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 16.40 mm

REFERENCE NO.	REFERENCE NO.
13101-87113	13011-87104/5/6/7/8
13101-87106	13011-87109/10/11/12/13
13101-87108	13012-87104/6/7/8/9/10
	13013-87111/2/3

19

S89-II — 4 cyl.

Ø 76.00	1 - 1.2 1 - 1.5	Ø 19.000 TL 58.00
+8.5		
CD 30.30		
TL 68.80	1 - 3.0	



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
32145	R 32125	P 32125

Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.030 mm MP: 16.00 mm

REFERENCE NO.	REFERENCE NO.
13101-87Z14	13011-87104/5/6/7/8
13103-87Z14	13011-87109/10/11/12/13
13104-87Z14	13012-87104/6/7/8/9/10
13105-87Z14	13013-87111/2/3

20

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

CL — 993 cc — 3 cyl.
G30
1984

Ø	76.00	-1.0
CD	38.50	
TL	70.50	

1 - 2.0 HK
1 - 1.5
1 - 3.0

Ø 21.000
TL 63.50

TL	140.0	140.0
OD	80.0	80.0
FT	4.8	
FD	83.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.
32120 32120A	R 32120	P 32120		LSF 32120 LSX 32120

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.			REFERENCE NO.
13101-87725 13101-87727 13102-87712	13011-87717 13011-87723A			11461-87703

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 18.90 mm

TEIKIN NO.: LKSF 32120, LKSX 32120, LKSF 32120A, LKSX 32120A

21

CL-T — 993 cc — 3 cyl.

Ø	76.00	-1.4
CD	40.50	
TL	70.50	

1 - 2.0 HK
1 - 1.5
1 - 3.0

Ø 23.000
TL 64.50

TL	140.0	140.0
OD	80.0	80.0
FT	4.8	
FD	83.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.
32602 32602A (32140)	R 32120	P 32602		LSF 32120 LSX 32120

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.			REFERENCE NO.
13101-87720 13102-87711	13011-87717 13011-87723A			11461-87703

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 14.50 mm

TEIKIN NO.: LKSF 32602, LKSX 32602, LKSF 32602A, LKSX 32602A

22

DG — 2530 cc — 4 cyl.
DELTA TRUCK NEW
V 22 H DIESEL
DV24
DELTA 88

Ø	88.00	-5.5
CD	50.50	
TL	95.00	

1 - 2.5
1 - 2.0
1 - 4.0

Ø 26.000
TL 70.00

TL	182.0	
OD	93.0	
FT	3.0 + 1.0	
FD	97.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
32102	R 32102	P 32139	B 32102	LFF 32102 LSF 32102

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
13101-87306 13101-87309	13011-87305 13011-87306 13011-87307 13011-87308		90043-84001/4 90043-84018/50 90043-84057 90043-84105	11461-87302

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 22.50 mm

TEIKIN NO.: LKFF 32102, LKSF 32102

23

DG OLD-4R — 2530 cc — 4 cyl.
DV26 4R 1972
D300N

Ø	88.00	-5.3
CD	50.50	
TL	90.50	

3 - 2.0
1 - 4.0

Ø 26.000
TL 70.00

TL	182.0	
OD	93.0	
FT	3.0 + 1.0	
FD	97.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
32103	R 32103	P 32139	B 32102	LFF 32102 LSF 32102

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
13101-87305 13211-87305	13011-87304		90043-84001/4 90043-84018/50 90043-84057 90043-84105	11461-87302

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 14.50 mm

TEIKIN NO.: LKFF 32103, LKSF 32103

24

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

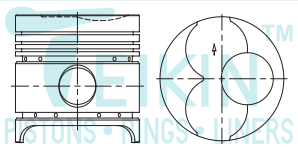
DV26 5R — 2530 cc — 4 cyl.
DG OLD-5R

Ø	88.00 / -5.3
CD	50.50
TL	90.50

Rings	3 - 2.0 / 2 - 4.0

Ø	26.000
TL	70.00

TL	182.0
OD	93.0
FT	7.0 + 1.0
FD	97.0



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 12.00 mm

TEIKIN NO. (Piston)	TEIKIN NO. (Rings)	TEIKIN NO. (Pin)	TEIKIN NO. (Bushing)	TEIKIN NO. (Liner)
32139	R 32139	P 32139	B 32102	LFF 32139 LSF 32139

Surface Treatment: None

REFERENCE NO. (Piston)	REFERENCE NO. (Rings)	REFERENCE NO. (Bushing)	REFERENCE NO. (Liner)
13101-87303 992-5113-1401	992-5113-1410	90043-84001/4 90043-84018/50 90043-84057 90043-84105	992-5113-1101 992-5113-1171

TEIKIN NO. (Liner Kit Set): LKFF 32139, LKSF 32139

25

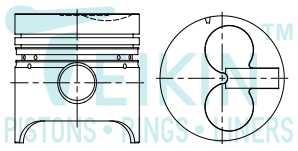
DL — 2765 cc — 4 cyl.
DELTA 92

Ø	92.00 / -5.0
CD	50.50
TL	94.95

Rings	1 - 2.5 1 - 2.0 1 - 4.0

Ø	26.000
TL	70.00

TL	178.0
OD	96.0
FT	3.0 + 1.0
FD	101.0



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 25.00 mm

TEIKIN NO. (Piston)	TEIKIN NO. (Rings)	TEIKIN NO. (Pin)	TEIKIN NO. (Bushing)	TEIKIN NO. (Liner)
32126	R 32126	P 32139	B 32102	LFF 32126 LSF 32126

Surface Treatment: None

REFERENCE NO. (Piston)	REFERENCE NO. (Rings)	REFERENCE NO. (Bushing)	REFERENCE NO. (Liner)
13211-87312 13101-87312 13101-87314 13101-87315 13101-87316	13011-87310/1/2/3/8 13011-87320/1 13015-87319 13015-87320/A	90043-84001/4 90043-84018/50 90043-84057 90043-84105	11461-87303 11461-87305

TEIKIN NO. (Liner Kit Set): LKFF 32126, LKSF 32126

26

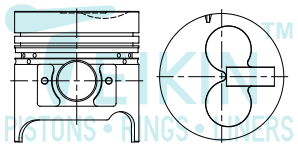
DL NEW-28 — 2765 cc — 4 cyl.
TAFT GT NEW

Ø	92.00 / -5.1
CD	50.50
TL	95.00

Rings	1 - 2.5 1 - 2.0 1 - 4.0

Ø	28.000
TL	74.80

TL	178.0
OD	96.0
FT	3.0 + 1.0
FD	101.0



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 21.00 mm

TEIKIN NO. (Piston)	TEIKIN NO. (Rings)	TEIKIN NO. (Pin)	TEIKIN NO. (Bushing)	TEIKIN NO. (Liner)
32127	R 32126	P 32127	B 32127	LFF 32126 LSF 32126

Surface Treatment: None

REFERENCE NO. (Piston)	REFERENCE NO. (Rings)	REFERENCE NO. (Bushing)	REFERENCE NO. (Liner)
13101-87325 13101-87322 13105-87316/7/8	13011-87310/1/2/3/8 13011-87320/1 13015-87319 13015-87320/A	90043-84086 90043-84087	11461-87303 11461-87305

TEIKIN NO. (Liner Kit Set): LKFF 32127, LKSF 32127

27

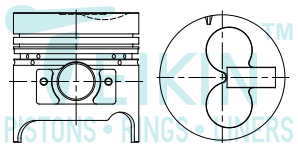
DL NEW-26 — 2765 cc — 4 cyl.
TAFT GT OLD

Ø	92.00 / -5.0
CD	50.50
TL	95.00

Rings	1 - 2.5 1 - 2.0 1 - 4.0

Ø	26.000
TL	70.00

TL	178.0
OD	96.0
FT	3.0 + 1.0
FD	101.0



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 21.00 mm

TEIKIN NO. (Piston)	TEIKIN NO. (Rings)	TEIKIN NO. (Pin)	TEIKIN NO. (Bushing)	TEIKIN NO. (Liner)
32128 32128A	R 32126	P 32139	B 32128	LFF 32126 LSF 32126

Surface Treatment: None

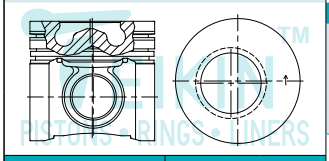
REFERENCE NO. (Piston)	REFERENCE NO. (Rings)	REFERENCE NO. (Bushing)	REFERENCE NO. (Liner)
13211-87319 13211-87320 13101-87319 13101-87320	13011-87310/1/2/3/8 13011-87320/1 13015-87319 13015-87320/A	90043-84052	11461-87303 11461-87305

TEIKIN NO. (Liner Kit Set): LKFF 32128, LKSF 32128, LKFF 32128A, LKSF 32128A

28

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

4D31
EICHER CANTER — 4 cyl.

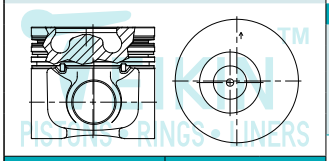


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.060 mm MP: 12.00 mm

Ø 100.00		1 - 3.0 HK	Ø 34.000					
	-20.0	1 - 2.0	TL 73.00					
CD 60.60								
TL 95.60		1 - 3.0						
TEIKIN NO.			**TEIKIN NO.**					
65001A			**P 46283**					
REFERENCE NO.								
1B999767								

1

483 TC
4 cyl.



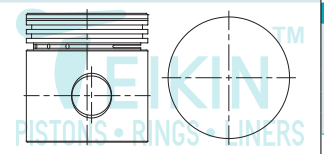
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.100 mm MP: 4.30 mm

Ø 100.00		1 - 3.0 HK	Ø 34.000		TL	191.6	TEIKIN NO.
	-20.9	1 - 2.0	TL 81.00		OD	104.0	LKSX 65002A
CD 60.70							
TL 90.20		1 - 3.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**			**TEIKIN NO.**		
65002A	**R 65002**	**P 65002**			**LSX 65002**		
					Surface Treatment		
					None		
REFERENCE NO.	**REFERENCE NO.**				**REFERENCE NO.**		
IB999767/8							

2

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

103H, 105, 103 — **1089 cc** — 4 cyl.
1953-54

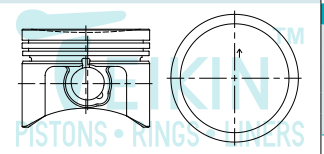


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 7.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 67.80 CD 46.00 TL 72.00	2 - 2.5 1 - 4.0	Ø 22.000 TL 56.00				
TEIKIN NO. **34101**		TEIKIN NO. **P 34101**				
REFERENCE NO. 4056519						

1

160 A3.000 — **1108 cc** — 4 cyl.
204 AA.11.0
FIAT UNO 1100 FIRE
1990-ON

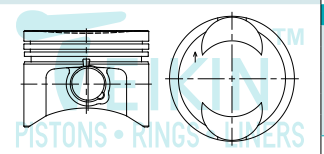


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 11.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 70.00 -1.8 CD 30.00 TL 54.00	2 - 1.5 1 - 3.0	Ø 17.980 TL 52.40				
TEIKIN NO. **34119**	TEIKIN NO. **R 34119**	TEIKIN NO. **P 34119**				
REFERENCE NO. KS : 92 291 600	REFERENCE NO. MAHLE: 007 26 N0					

2

UNO 1100 — **1100 cc** — 4 cyl.

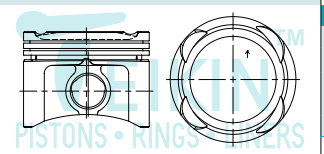


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 11.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 70.00 -1.6 CD 30.00 TL 54.00	2 - 1.5 1 - 3.0	Ø 17.980 TL 52.40				
TEIKIN NO. **34121**		TEIKIN NO. **P 34119**				
REFERENCE NO.						

3

FIRE 16V — **1000 cc** — 4 cyl.
SIENA
PALIO
PALIO WEEKEND
16V



Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 9.00 mm

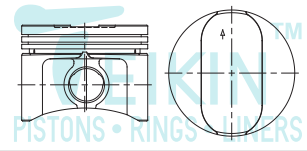
PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 70.00 -4.4 CD 33.10 TL 53.30	2 - 1.2 1 - 2.5	Ø 17.973 TL 53.00		TL 114.0 OD 73.0 FT FD 74.6		TEIKIN NO. **LKFF 34122**
TEIKIN NO. **34122**	TEIKIN NO. **R 34122**	TEIKIN NO. **P 34122**		TEIKIN NO. **LFF 34122** Surface Treatment None		
REFERENCE NO. MAHLE: S25410	REFERENCE NO. KS : 800051310000 KS: 80005134000 MAHLE: 009 36 N0 G-0814230000			REFERENCE NO.		

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

FIRE 8V — **1000 cc** — **4 cyl.**

UNO
PALIO
SIENA
8V



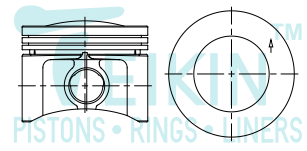
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 9.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 70.00 -1.2 CD 33.10 TL 53.20	2 - 1.2 1 - 2.5	Ø 17.973 TL 53.00			TL 114.0 OD 73.0 FT FD 74.6		TEIKIN NO. **LKFF 34123**
TEIKIN NO. **34123**	**TEIKIN NO.** **R 34122**	**TEIKIN NO.** **P 34122**			**TEIKIN NO.** **LFF 34122**		
					Surface Treatment None		
REFERENCE NO. MAHLE: S25400	**REFERENCE NO.** KS: 800051310000 KS: 80005134000 MAHLE: 009 36 N0 G-0814230000				**REFERENCE NO.**		

5

FIRE FLEX 8V — **1000 cc** — **4 cyl.**

PALIO
STRADA
8V

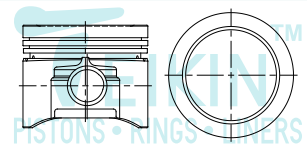


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 9.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 70.00 +2.7 CD 33.10 TL 55.80	2 - 1.2 1 - 2.5	Ø 17.973 TL 53.00					
TEIKIN NO. **34124**	**TEIKIN NO.** **R 34122**	**TEIKIN NO.** **P 34122**					
REFERENCE NO. MAHLE: S25890	**REFERENCE NO.** KS: 800051310000 KS: 80005134000 MAHLE: 009 36 N0 G-0814230000						

6

UNO-II — **4 cyl.**



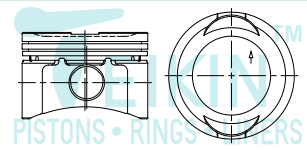
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 8.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 70.00 -0.5 CD 33.90 TL 57.40	2 - 1.5 1 - 3.0	Ø 18.000 TL 53.00					
TEIKIN NO. **34138**		**TEIKIN NO.** **P 46332**					
REFERENCE NO.							

7

FIRE 1.3L 8V — **1300 cc** — **4 cyl.**

SIENA
PALIO
PALIO WEEKEND
STRADA



Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 9.00 mm

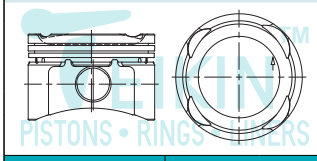
PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 70.80 -2.2 CD 28.00 TL 48.20	2 - 1.2 1 - 2.5	Ø 17.973 TL 49.00					
TEIKIN NO. **34125**	**TEIKIN NO.** **R 34125**	**TEIKIN NO.** **P 34125**					
REFERENCE NO. MAHLE: S25450	**REFERENCE NO.** KS: 800051240000 MAHLE: 00941N0 MAHLE: 00970N0 G-0813840000						

8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

FIRE 1.3L 16V — 1300 cc — 4 cyl.

DOBLO
PALIO
PALIO WEEKEND
SIENA



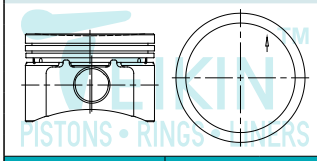
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 9.00 mm

PISTON SET	RINGS	PIN
Ø 70.80	2 - 1.2	Ø 17.973
-5.7		TL 49.00
CD 28.00		
TL 48.10	1 - 2.5	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
34126	**R 34125**	**P 34125**
REFERENCE NO.	**REFERENCE NO.**	
MAHLE: S25460	KS: 800051240000 MAHLE: 00941N0 MAHLE: 00970N0 G-0813840000	

9

FIRE FLEX 1.3L 8V — 1300 cc — 4 cyl.

PALIO
DOBLO



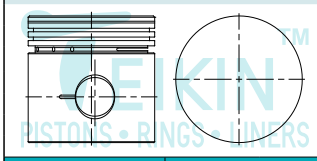
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 9.00 mm

PISTON SET	RINGS	PIN
Ø 70.80	2 - 1.2	Ø 17.973
-1.0		TL 49.00
CD 28.00		
TL 48.10	1 - 2.5	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
34127	**R 34125**	**P 34125**
REFERENCE NO.	**REFERENCE NO.**	
MAHLE: S25456	KS: 800051240000 MAHLE: 00941N0 MAHLE: 00970N0 G-0813840000	

10

103G, 1100D — 1221 cc — 4 cyl.

1958-62



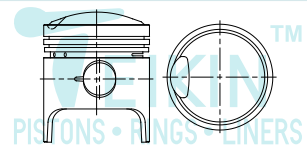
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 7.00 mm

PISTON SET	RINGS	PIN
Ø 71.85	2 - 2.0	Ø 22.000
		TL 60.00
CD 46.00		
TL 72.00	1 - 4.0	
TEIKIN NO.		**TEIKIN NO.**
34102		**P 34102**
REFERENCE NO.		
3126553		

11

1300 — 1300 cc — 4 cyl.

1961



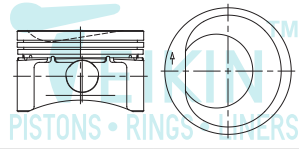
Surface Treatment	Bore Clearance
None	MRC: 0.070 mm MP: 26.55 mm

PISTON SET	RINGS	PIN
Ø 72.00	2 - 2.0	Ø 22.000
+8.5		TL 60.00
CD 37.10		
TL 88.60	1 - 3.95	
TEIKIN NO.		**TEIKIN NO.**
34109		**P 34102**
REFERENCE NO.		

12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

FIRE FLEX 1.4L 8V 1400 cc — 4 cyl.
IDEA ELX
ELX PALIO
WEEKEND ELX
ELX SIENA
BI-FUEL

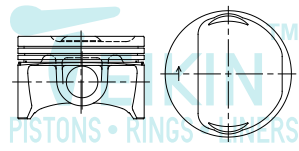


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 9.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 72.00 -6.3 CD 26.00 TL 46.10	2 - 1.2 1 - 2.0	Ø 17.973 TL 49.00				
TEIKIN NO. 34128	TEIKIN NO. R 34128	TEIKIN NO. P 34125				
REFERENCE NO. MAHLE: S25340	REFERENCE NO.					

13

1.4L 8V EVO LF — 4 cyl.

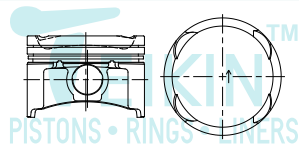


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 10.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 72.00 -3.0 CD 26.00 TL 47.00	2 - 1.0 1 - 1.5	Ø 17.973 TL 49.00				
TEIKIN NO. 34133	TEIKIN NO. R 34133	TEIKIN NO. P 34125				
REFERENCE NO. MAHLE: E25930	REFERENCE NO.					

14

DOBLO 1.4L — 4 cyl.

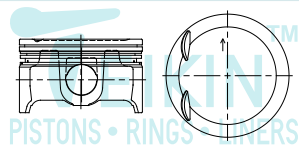


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 12.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 72.00 -8.0 CD 26.80 TL 49.90	2 - 1.2 1 - 2.0	Ø 17.973 TL 53.00				
TEIKIN NO. 34139	TEIKIN NO. R 34139	TEIKIN NO. P 34122				
REFERENCE NO.	REFERENCE NO.					

15

1.6L MOTOR E-TORQUE — 4 cyl.



Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 9.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 77.00 -0.8 CD 25.40 TL 46.00	2 - 1.2 1 - 2.5	Ø 19.000 TL 56.00				
TEIKIN NO. 34132	TEIKIN NO. R 34132	TEIKIN NO. P 38145				
REFERENCE NO. MAHLE: E25327	REFERENCE NO.					

16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

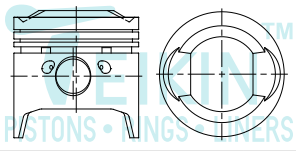
125, 125A — 1608 cc — 4 cyl.
BERLINA

Ø	80.00	+4.2
CD	37.80	
TL	81.50	

RINGS: 1 - 1.5 / 1 - 2.0 / 1 - 4.0

Ø	22.000
TL	72.00

TEIKIN NO. (PISTON SET): 34103
TEIKIN NO. (PIN): P 46199
REFERENCE NO.: 4198046



Surface Treatment	Bore Clearance
None	MRC: 0.090 mm MP: 23.50 mm

17

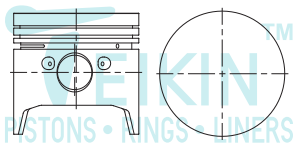
124S — 4 cyl.

Ø	80.00
CD	37.80
TL	77.30

RINGS: 1 - 1.5 / 1 - 2.0 / 1 - 4.0

Ø	21.980
TL	71.00

TEIKIN NO. (PISTON SET): 34113
TEIKIN NO. (PIN): P 34113
REFERENCE NO.: 11900474



Surface Treatment	Bore Clearance
None	MRC: 0.050 mm MP: 23.25 mm

18

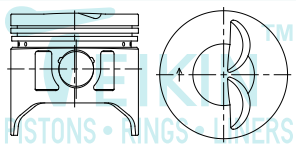
128-II — 4 cyl.

Ø	80.00
	+0.6
CD	34.70
TL	77.30

RINGS: 1 - 1.5 / 1 - 2.0 / 1 - 3.9

Ø	21.982
TL	71.00

TEIKIN NO. (PISTON SET): 34136
TEIKIN NO. (PIN): P 34136
REFERENCE NO.:



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 24.50 mm

19

160 A1.00 — 1372 cc — 4 cyl.
FIAT UNO 1400
PACER, PACER SX
1990-ON

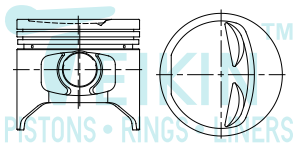
Ø	80.50
	-2.8
CD	33.30
TL	73.10

RINGS: 1 - 1.5 / 1 - 1.8 / 1 - 3.0

Ø	21.990
TL	58.00



TEIKIN NO. (PISTON SET): 34120
TEIKIN NO. (RINGS): R 34120
TEIKIN NO. (PIN): P 44273
REFERENCE NO.: KS : 92 292 600
REFERENCE NO.:



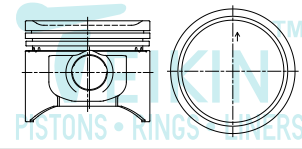
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.50 mm

20

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

SHAHEN
4 cyl.

Ø	80.50	1 - 1.5	Ø	21.990
	-2.9	1 - 1.75	TL	58.00
CD	33.40			
TL	65.20	1 - 3.0		



TEIKIN NO.	TEIKIN NO.
34130	P 44273

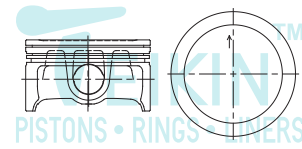
REFERENCE NO.

Surface Treatment	Bore Clearance
Chromated	MRC: 0.030 mm MP: 13.50 mm

21

1.8L 16V MOTOR E-TORQUE
4 cyl.

Ø	80.50	2 - 1.2	Ø	19.000
	-0.5		TL	56.00
CD	25.40			
TL	45.90	1 - 2.5		



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
34134	R 34134	P 38145

REFERENCE NO.
MAHLE: E25298

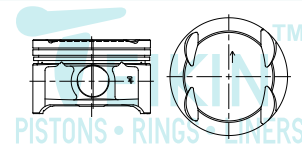
REFERENCE NO.

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 9.50 mm

22

1.6L 1596 cc
PALIO SEDAN
PALIO HATCH BACK
PALIO ADVATURE
STILO
DOHC 16V
4 cyl.

Ø	80.50	2 - 1.2	Ø	21.000
	-1.2		TL	56.00
CD	28.40			
TL	50.50	1 - 2.0		



TEIKIN NO.	TEIKIN NO.
34140	P 38151

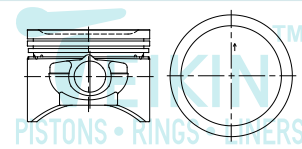
REFERENCE NO.
10136100

Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.030 mm MP: 9.00 mm

23

TEMPRA 1600 TWO
4 cyl.

Ø	86.40	1 - 1.5	Ø	22.000
	-3.0	1 - 1.75	TL	64.00
CD	33.20			
TL	65.20	1 - 3.0		



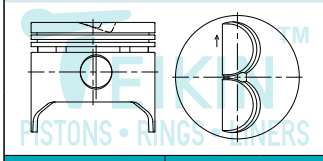
TEIKIN NO.	TEIKIN NO.
34131	P 43220

REFERENCE NO.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 15.00 mm

24

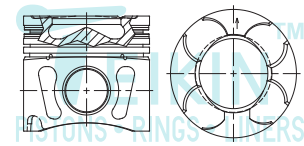
ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
REGATA 100S	Ø **86.40**	1 - 1.5	Ø 22.000					
4 cyl.	-6.9	1 - 2.0	TL 69.50					
	CD 34.70							
	TL 76.70	1 - 3.95						
	TEIKIN NO.		**TEIKIN NO.**					
	34135		**P 46202**					
	REFERENCE NO.							



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 25.50 mm

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET

PALIO 1.3L JTD
SUZUKI SWIFT DIESEL — 3 cyl.

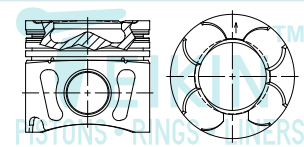


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 6.60 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 69.60 -12.4 CD 40.40 TL 62.40	1 - 2.0 1 - 1.5 1 - 2.0	Ø 23.000 TL 56.00		TL 137.0 OD 72.4 FT 4.9 FD 73.2		TEIKIN NO. LKSF 34129A-3
TEIKIN NO. 34129A-3	TEIKIN NO. R 34129-3	TEIKIN NO. P 34129		TEIKIN NO. LSF 34129 Surface Treatment None		
REFERENCE NO. 12111-83KA0 12110M86J00-0A0	REFERENCE NO. 12140-63E60 12140M86810			REFERENCE NO.		

26

PALIO 1.3L JTD
SUZUKI SWIFT DIESEL — 4 cyl.

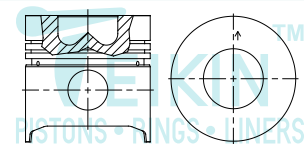


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 6.60 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 69.60 -12.4 CD 40.40 TL 62.40	1 - 2.0 1 - 1.5 1 - 2.0	Ø 23.000 TL 56.00		TL 137.0 OD 72.4 FT 4.9 FD 73.2		TEIKIN NO. LKSF 34129A
TEIKIN NO. 34129A	TEIKIN NO. R 34129	TEIKIN NO. P 34129		TEIKIN NO. LSF 34129 Surface Treatment None		
REFERENCE NO. 12111-83KA0 12110M86J00-0A0	REFERENCE NO. 12140-63E60 12140M86810			REFERENCE NO.		

27

TRACTOR 300, 350, 355 — 3456 cc
SERIES: 8025, 8035
8040, 8045, 8060, 8065 — 4 cyl.

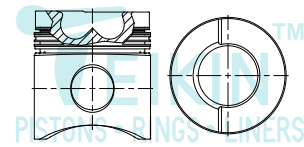


Surface Treatment	Bore Clearance
None	MRC: 0.120 mm MP: 19.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 100.00 -23.7 CD 59.70 TL 101.20	2 - 2.5 1 - 5.5	Ø 32.000 TL 83.40		TL OD	187.0 103.0	TEIKIN NO. LKSX 34118
TEIKIN NO. 34118	TEIKIN NO. R 34118	TEIKIN NO. P 46128		TEIKIN NO. LSX 34118 Surface Treatment None		
REFERENCE NO. 06.7239.OA	REFERENCE NO. MAHLE : 00797V0 G-0820680000			REFERENCE NO. KS : 88631190 MAHLE : 007WV09		

28

115
4 cyl.



Surface Treatment	Bore Clearance
None	MRC: 0.160 mm MP: 21.50 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 115.00 -27.7 CD 76.50 TL 126.50	1 - 3.0 FK 1 - 2.5 1 - 4.0	Ø 42.000 TL 97.00				
TEIKIN NO. 34137A		TEIKIN NO. P 34137				
REFERENCE NO. 98412636						

29

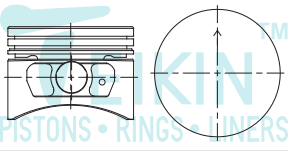
ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
115 6 cyl.	**Ø 115.00** -27.7 CD 76.50 TL 126.50	1 - 3.0 FK 1 - 2.5 1 - 4.0	Ø 42.000 TL 97.00					
	TEIKIN NO. **34137A-6**		**TEIKIN NO.** **P 34137**					
	REFERENCE NO. 98412636							

Surface Treatment	Bore Clearance
None	MRC: 0.160 mm MP: 21.50 mm

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

JLB — 1297 cc — 4 cyl.

FORD ESCORT, ORION
1988-92
44KW 9.3:1 CR
98CP FIESTA 98-02



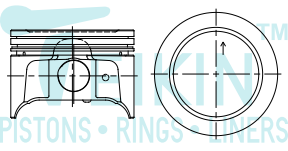
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 74.00	1 - 1.5	Ø 18.034				
	1 - 1.75	TL 64.00				
CD 29.40						
TL 53.90	1 - 3.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
35600 (35175)	**R 35600**	**P 35600**				
REFERENCE NO.	**REFERENCE NO.**					
KS : 92 396 604						

1

1.4 DURATEC — 1388 cc — 4 cyl.

FIESTA 2010 - 2016



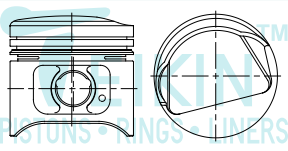
Surface Treatment	Bore Clearance
Tin Coated Moly Skirt	MRC: 0.030 mm MP: 13.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 76.00	1 - 1.2	Ø 19.000				
-1.2	1 - 1.5	TL 47.00				
CD 28.30						
TL 54.30	1 - 2.5					
TEIKIN NO.		**TEIKIN NO.**				
35199		**P 44609**				
REFERENCE NO.						
6S6G 6100B9D						

2

CVH, FUA, F6B, FU — 1392 cc — 4 cyl.

F6D KAT, FUB, FUD
FIESTA ESCORT 1985-92
ORION 1985-87
BANTAM 1400 1989-ON



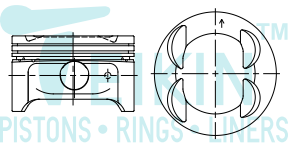
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 77.25	1 - 1.6	Ø 20.630				
+6.1	1 - 2.0	TL 67.00				
CD 39.30						
TL 75.10	1 - 4.0					
TEIKIN NO.		**TEIKIN NO.**				
35171		**P 35170**				
REFERENCE NO.						
KS : 93 828 620						

3

1.6 NF — 1596 cc — 4 cyl.

16V
SIGMA
CON ASIENTO DE VAL VUL



Surface Treatment	Bore Clearance
Tin Coated Moly Skirt	MRC: 0.030 mm MP: 9.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 79.00	1 - 1.2	Ø 18.000				
-0.7	1 - 1.5	TL 54.00				
CD 25.30						
TL 48.30	1 - 2.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
35196	**R 35196**	**P 58107**				
REFERENCE NO.	**REFERENCE NO.**					
4M5G-6105EC 4M5G-6105ED	3S6G-6159CA 3S6G-6161CA 98MM-6150CB 98MM-6152CB					

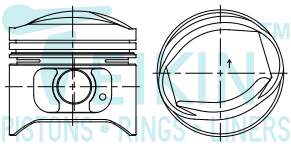
4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
1.6 NF-II 16V SIGMA — 4 cyl.	Ø 79.00 / -0.7 / CD 25.10 / TL 48.10	1 - 1.2 / 1 - 1.5 / 1 - 2.0	Ø 18.000 / TL 50.00				5
	TEIKIN NO. 35197	TEIKIN NO. R 35196	TEIKIN NO. P 45136				
	REFERENCE NO. M-79L82	REFERENCE NO. 3S6G-6159CA, 3S6G-6161CA, 98MM-6150CB, 98MM-6152CB					
Surface Treatment: Tin Coated, Moly Skirt — Bore Clearance: MRC: 0.030 mm, MP: 11.00 mm							
1.6 DURATEC TI-VCT 1596 cc FIESTA 2010 - NOW — 4 cyl.	Ø 79.00 / +1.2 / CD 27.60 / TL 47.80	1 - 1.2 / 1 - 1.5 / 1 - 2.0	Ø 19.000 / TL 56.00				6
	TEIKIN NO. 35200		TEIKIN NO. P 38145				
	REFERENCE NO. 4M5G 6100BB						
Surface Treatment: Moly Skirt, Anodized Crown, 1st Ring Anodized — Bore Clearance: MRC: 0.030 mm, MP: 5.00 mm							
FIESTA 1.6L DURATEC Ti-VCT 1600 cc — 4 cyl.	Ø 79.00 / -0.4 / CD 25.30 / TL 53.30	1 - 1.2 / 1 - 1.5 / 1 - 2.0	Ø 18.000 / TL 54.00				7
	TEIKIN NO. 35211		TEIKIN NO. P 58107				
	REFERENCE NO.						
Surface Treatment: None — Bore Clearance: MRC: 0.030 mm, MP: 17.00 mm							
CVH-LUC 1597 cc BANTAM 1600, ESCORT 1600, ORION GLE, XR3, SPORT 1987-ON — 4 cyl.	Ø 79.96 / +8.2 / CD 36.60 / TL 74.90	1 - 1.6 / 1 - 2.0 / 1 - 4.0	Ø 20.630 / TL 67.00				8
	TEIKIN NO. 35170	TEIKIN NO. R 35170	TEIKIN NO. P 35170				
	REFERENCE NO. KS : 90 204 600	REFERENCE NO. KS: 800008341000, MAHLE: 013 37 N0					
Surface Treatment: Tin Coated — Bore Clearance: MRC: 0.030 mm, MP: 12.50 mm							

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

CVH, JPA, JPC — **1597 cc** — 4 cyl.
BANTAM 1600
ESCORT 1600
GLE, XR3, SPORT
1987-ON

PISTON SET	RINGS	PIN
Ø 79.96	1 - 1.6	Ø 20.630
+8.3	1 - 2.0	TL 67.00
CD 39.40		
TL 78.60	1 - 4.0	
TEIKIN NO. 35173	**TEIKIN NO.** R 35170	**TEIKIN NO.** P 35170
REFERENCE NO. KS : 93 362 604	**REFERENCE NO.** KS: 800008341000 MAHLE: 013 37 N0	

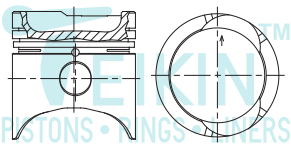


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 12.00 mm

9

751M, BG2C — **1598 cc** — 4 cyl.
KENT 1968-86
1600 1- TONNER
CAPRI 1600, ESCORT 1600
SPORT 1975-80
FIESTA XR2 1982-84

PISTON SET	RINGS	PIN
Ø 80.99	1 - 1.6	Ø 20.640
-13.4	1 - 2.0	TL 71.30
CD 44.10		
TL 83.82	1 - 4.0	
TEIKIN NO. 35165		**TEIKIN NO.** P 35165
REFERENCE NO. KS : 92 456 610		

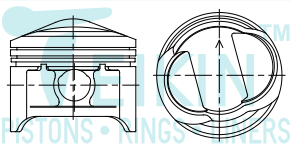


Surface Treatment	Bore Clearance
Chromated	MRC: 0.025 mm MP: 24.50 mm

10

MOT 1.9 Lt — **1900 cc** — 4 cyl.
ESCORT LX
SEDAN VAGONETA
1994-96
WAGON

PISTON SET	RINGS	PIN
Ø 82.00	2 - 1.5	Ø 20.630
+9.0		TL 67.00
CD 34.30		
TL 73.70	1 - 3.0	
TEIKIN NO. 35178		**TEIKIN NO.** P 35170
REFERENCE NO. FIZ6108A		

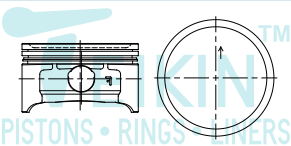


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 13.00 mm

11

1.6L — **1599 cc** — 4 cyl.
KA 2000-2009
IKON 2009

PISTON SET	RINGS	PIN
Ø 82.05	1 - 1.2	Ø 18.030
-3.0	1 - 1.5	TL 60.00
CD 24.90		
TL 48.50	1 - 2.0	
TEIKIN NO. 35212		**TEIKIN NO.** P 35212
REFERENCE NO. FMXSG-6102GIH		



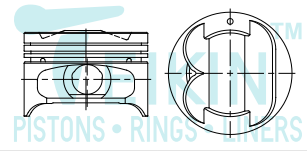
Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.030 mm MP: 11.00 mm

12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

ZETEC 1998 cc — 4 cyl.

VIN 3, CONTOUR
MISTIQUE
DOHC 16V
1995-97



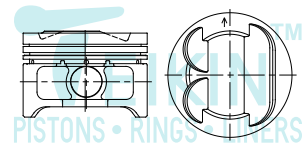
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 12.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 84.80 +1.3 CD 32.60 TL 59.40	1 - 1.5 1 - 1.75 1 - 3.0	Ø 20.630 TL 63.00				
TEIKIN NO. **35177**		TEIKIN NO. **P 35177**				
REFERENCE NO.						

13

VIN 3 ZETEC 1998 cc — 4 cyl.

CONTOUR, MISTIQUE
1995-97
F.I. DOHC 16V
(ZETEC) (Vin-2,3)



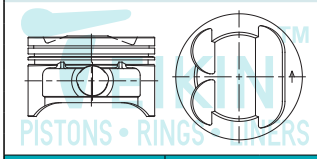
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 10.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 84.80 +1.3 CD 33.10 TL 58.40	1 - 1.5 1 - 1.75 1 - 3.0	Ø 20.630 TL 63.00				
TEIKIN NO. **35179**		TEIKIN NO. **P 35177**				
REFERENCE NO. F5RZ-6180A						

14

2.0 L 2000 cc — 4 cyl.

DOHC
1998-2003
ZETEC VIN 3, 5, Z FOCUS 98-04
FOCUS ZX3 98-04
ESCORT ZX2 00-03

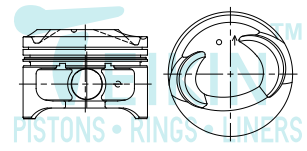


Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.020 mm MP: 11.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 84.80 +0.8 CD 29.40 TL 54.20	1 - 1.5 1 - 1.75 1 - 3.0	Ø 20.000 TL 59.00				
TEIKIN NO. **35180**	TEIKIN NO. **R 35180**	TEIKIN NO. **P 51101**				
REFERENCE NO. XS7Z 6100 AA	REFERENCE NO. F8CZ-6148AA YS4Z-6135AA MAHLE : 01473V0 G-0878640000					

15

CVH 2.0 — 4 cyl.



Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 10.00 mm

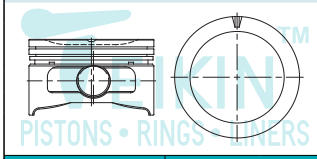
PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 84.86 +4.8 CD 32.30 TL 60.60	2 - 1.5 1 - 3.0	Ø 20.630 TL 63.00				
TEIKIN NO. **35191**		TEIKIN NO. **P 35177**				
REFERENCE NO. 1S4Z6100AA						

16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
AODA/B,CJBA/B,N4JB 1999 cc FOCUS 2.0 16V MONDEO 2.0L 16V VOLVO C30 2.0L DURATEC ECOSPORT 04-09 L4 DOHC 16VALV. 4 cyl.	Ø 87.50 -0.6 CD 28.50 TL 51.00	2 - 1.2 1 - 2.5	Ø 21.000 TL 61.50				
	TEIKIN NO. **35181**	**TEIKIN NO.** **R 35181**	**TEIKIN NO.** **P 56104**				
	REFERENCE NO. KS: 99 457 600	**REFERENCE NO.** KS: 800044940000					
Surface Treatment Moly Skirt Anodized Crown 1st Ring Anodized	**Bore Clearance** MRC: 0.030 mm MP: 10.00 mm						17
2.0L ECOBOOST 2012-2015 FORD / L4 / 2.0L FORD EDGE (2013-2014), FORD ESCAPE (2013-2016), FORD EXPLORER (2013-2014), FORD FOCUS (2013-2018), 4 cyl.	Ø 87.50 +2.6 CD 32.80 TL 56.40	2 - 1.2 1 - 2.0	Ø 22.500 TL 56.00				
	TEIKIN NO. **35215**		**TEIKIN NO.** **P 35215**				
	REFERENCE NO. AG9Z-6108-H/J/K/L DJ5Z-6108-A/J/K/L						
Surface Treatment Moly Skirt Anodized Crown 1st Ring Anodized	**Bore Clearance** MRC: 0.030 mm MP: 9.00 mm						18
2.5L-II 2488 cc FUSION, ESCAPE MERCURY MARINER MILAN, MAZDA 3, 5, 6, CX7 DOHC 16 VAL. 4 cyl.	Ø 89.00 -6.9 CD 28.30 TL 50.50	2 - 1.2 1 - 2.5	Ø 20.000 TL 55.00				
	TEIKIN NO. **35213**		**TEIKIN NO.** **P 42108**				
	REFERENCE NO. 68031605AD						
Surface Treatment Chromated Moly Skirt	**Bore Clearance** MRC: 0.030 mm MP: 10.50 mm						19
P-764 2000 cc 1983-88 AEROSTAR, RANGER 4 cyl.	Ø 89.32 -1.9 CD 40.17 TL 76.15	2 - 2.0 1 - 4.8	Ø 23.170 TL 76.20				
	TEIKIN NO. **35169**		**TEIKIN NO.** **P 35169**				
	REFERENCE NO.						
Surface Treatment None	**Bore Clearance** MRC: 0.040 mm MP: 18.00 mm						20

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

281 — **4600 cc** — **8 cyl.**
SOHC V8
1991-98
TRITÓN POWER IMPROVED: WINDSOR
GNC VIN 6/9/W 1999-2003 FORD: F-150
CROWN VICTORIA



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.020 mm MP: 10.90 mm

Ø	90.20	-3.9
CD	30.80	
TL	56.25	

RINGS: 2 - 1.5 / 1 - 3.0

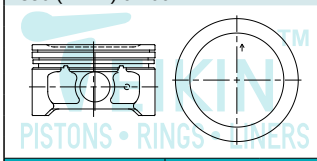
Ø	22.000
TL	62.00

TEIKIN NO.	TEIKIN NO.
35174	P 43222

REFERENCE NO.
2L2Z6108MA

21

5.4L (330) — **5400 cc** — **8 cyl.**
V8, SOHC
145, V10, F450
Navigator,
Pick Up Lobo
F350 (VIN-L) 97-06



Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

Ø	90.20	-1.7
CD	31.00	
TL	52.00	

RINGS: 2 - 1.5 / 1 - 3.0

Ø	22.000
TL	62.00

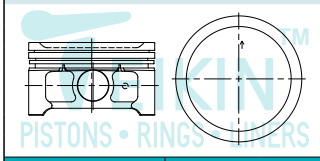


TEIKIN NO.	TEIKIN NO.
35190	P 43222

REFERENCE NO.
XL3Z-6108-CA

22

E SERIES — **8 cyl.**



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.50 mm

Ø	90.20	-3.7
CD	30.80	
TL	52.10	

RINGS: 2 - 1.5 / 1 - 3.0

Ø	22.000
TL	62.00

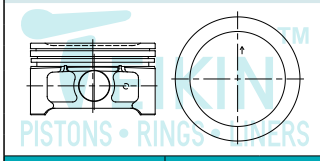


TEIKIN NO.	TEIKIN NO.
35192	P 43222

REFERENCE NO.
XL3Z6148KA

23

E SERIES-II — **8 cyl.**



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.50 mm

Ø	90.20	-1.7
CD	31.00	
TL	52.00	

RINGS: 2 - 1.5 / 1 - 3.0

Ø	22.000
TL	62.00



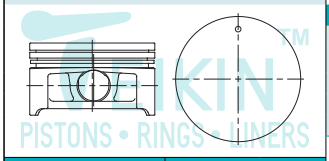
TEIKIN NO.	TEIKIN NO.
35193	P 43222

REFERENCE NO.
XC3Z6108CA

24

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

TRITON
8 cyl.

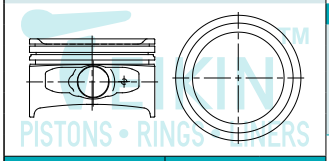


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 7.50 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 90.20	2 - 1.5	Ø 22.000				
		TL 62.00				
CD 30.70						
TL 52.00	1 - 3.0					
TEIKIN NO.		TEIKIN NO.				
35194		P 43222				
REFERENCE NO.						
3L 3Z 6108 CC						

25

4.6L
8 cyl.

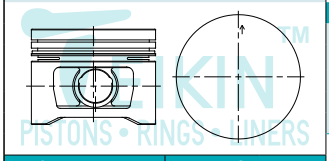


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 11.00 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 90.25	2 - 1.5	Ø 22.000				
-3.7		TL 62.00				
CD 31.00						
TL 56.30	1 - 3.0					
TEIKIN NO.		TEIKIN NO.				
35204		P 43222				
REFERENCE NO.						
8L2Z-6108-H						

26

KOLN 2V (T88) 1993 cc
GRANA 2.0 GL, GLE
SIERRA 2.0 GL
CORTINA 200GT, GL, GLE
ESCORT RS 2000
SAPHIRE 2.0
4 cyl.

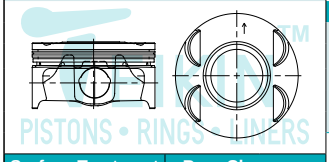


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 8.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 90.82	1 - 1.6	Ø 24.000				
	1 - 2.0	TL 68.50				
CD 41.60						
TL 69.60	1 - 4.0					
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.				
35172	R 35172	P 35172				
REFERENCE NO.	REFERENCE NO.					
KS : 90 606 600	KS: 800009440000					
	MAHLE: 014 22 N0					

27

5.0 L
8 cyl.



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 7.50 mm
1st Ring Anodized	

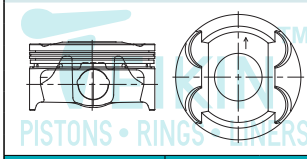
PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 92.20	2 - 1.2	Ø 22.000				
+0.7		TL 62.00				
CD 29.70						
TL 49.40	1 - 2.5					
TEIKIN NO.		TEIKIN NO.				
35205		P 43222				
REFERENCE NO.						
BL3Z-6108-C						
BL3Z-6108-N						

28

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

5.0L-II
8 cyl.

Ø 92.20 +1.5	2 - 1.2	Ø 22.000		
CD 29.70		TL 62.00		
TL 50.30	1 - 2.5			
TEIKIN NO. 35206		TEIKIN NO. P 43222		
REFERENCE NO. BLEZ-6108-FB				

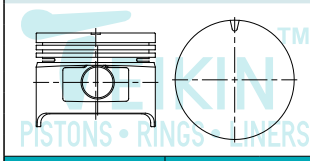


Surface Treatment	Bore Clearance
Chromated Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 7.50 mm

29

2.8 LTS
6 cyl.

Ø 93.00	1 - 2.0	Ø 24.000		
	1 - 2.5	TL 72.00		
CD 38.50				
TL 73.00	1 - 4.0			
TEIKIN NO. 35208		TEIKIN NO. P 35208		
REFERENCE NO. D4ZZ6100A				

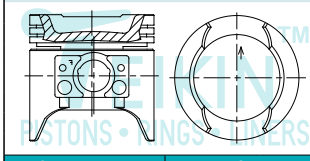


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 14.50 mm

30

V4 2994 cc
TRANSIT 130/160/190
CONSUL 3000GT 1969-75
GRANADA 3000GXL 1969-77
CAPRI 3000GT 1969-81, A 510
4 cyl.

Ø 93.65 -14.0	2 - 2.0	Ø 23.810		
		TL 75.00		
CD 46.00				
TL 94.90	1 - 4.8			
TEIKIN NO. 35168-4		TEIKIN NO. P 35168		
REFERENCE NO.				

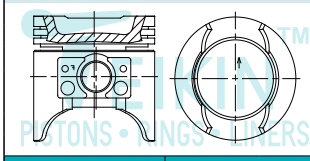


Surface Treatment	Bore Clearance
None	MRC: 0.020 mm MP: 27.95 mm

31

V6ESSEX 2993 cc
RP40090
1984
SIERRA 3000 XR6
COURIER V6
6 cyl.

Ø 93.65 -13.9	2 - 2.0	Ø 22.000		
		TL 69.50		
CD 46.00				
TL 94.75	1 - 4.8			
TEIKIN NO. 35166		TEIKIN NO. P 46202		
REFERENCE NO.				



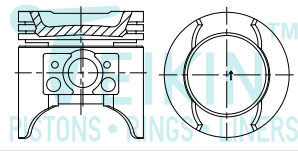
Surface Treatment	Bore Clearance
None	MRC: 0.020 mm MP: 29.25 mm

32

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

V6ESSEX — 2993 cc — 6 cyl.

RP40091
1984
SIERRA 3000 XR6
COURIER V6



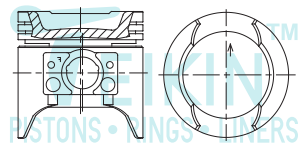
Surface Treatment	Bore Clearance
None	MRC: 0.020 mm MP: 29.25 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 93.65 -11.7 CD 46.00 TL 95.00	2 - 2.0 1 - 4.8	Ø 22.000 TL 69.50				
TEIKIN NO. 35167		TEIKIN NO. P 46202				
REFERENCE NO.						

33

V6 — 2994 cc — 6 cyl.

TRANSIT 130/160/190
CONSUL 3000GT 1969-75
GRANADA 3000GXL 1969-77
CAPRI 3000GT 1969-81, A 510

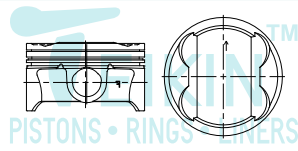


Surface Treatment	Bore Clearance
None	MRC: 0.020 mm MP: 27.95 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 93.65 -14.0 CD 46.00 TL 94.90	2 - 2.0 1 - 4.8	Ø 23.810 TL 75.00				
TEIKIN NO. 35168		TEIKIN NO. P 35168				
REFERENCE NO.						

34

3.7 LTS — 6 cyl.



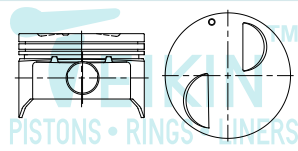
Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.030 mm MP: 7.50 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 95.50 +0.8 CD 31.50 TL 55.20	1 - 1.2 1 - 1.5 1 - 2.5	Ø 23.000 TL 56.00				
TEIKIN NO. 35207		TEIKIN NO. P 34129				
REFERENCE NO. BA5Z-6108-L						

35

140 — 2302 cc — 4 cyl.

1995-1997
(VIN-A) 112 HP RANGER USA 95-97
L4 SOHC 8 VÁLV.



Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 16.50 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 96.00 -2.1 CD 33.90 TL 64.20	2 - 1.5 1 - 3.0	Ø 23.170 TL 69.50				
TEIKIN NO. 35183		TEIKIN NO. P 35183				
REFERENCE NO. F57Z6108AA						

36

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

MOT 2.3L
4 cyl.

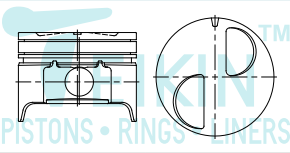
Ø	96.01
	-2.6
CD	40.10
TL	72.20

RINGS: 2 - 1.5 / 1 - 4.0

Ø	23.170
TL	76.20

TEIKIN NO. 35210

TEIKIN NO. P 35169



REFERENCE NO. E5ZZ6108A

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 17.50 mm

37

238 — 3887 cc
V6 3.9L
6 cyl.
2004 - 2207
V6 OHV 12 VÁLV

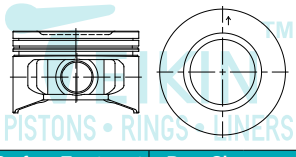
Ø	96.80
	-2.6
CD	35.30
TL	62.80

RINGS: 2 - 1.5 / 1 - 3.0

Ø	23.000
TL	70.00

TEIKIN NO. 35182

TEIKIN NO. P 35182



REFERENCE NO. X3Z6108AA

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 12.00 mm

38

4.2L
ECONOLINE VAN 97-04
CLUB WAGON 97-99
F-150 98-04
V6 OHV 12 VÁLV
6 cyl.

Ø	96.80
	-3.8
CD	31.90
TL	58.80

RINGS: 2 - 1.5 / 1 - 3.0

Ø	23.000
TL	65.00

TEIKIN NO. 35198

TEIKIN NO. P G2104



REFERENCE NO. 5L3Z6108 AA

Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.030 mm MP: 10.80 mm

39

6.2L
F-150 RAPTOR 2010-2012
SUPER DUTY SERIES 2011-2012
SOHC VCT
8 cyl.

Ø	102.00
	-0.5
CD	33.30
TL	55.00

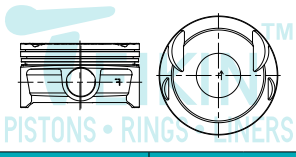
RINGS: 2 - 1.5 / 1 - 2.5

Ø	24.000
TL	63.00



TEIKIN NO. 35214

TEIKIN NO. P 44262



REFERENCE NO. AL3Z6108A

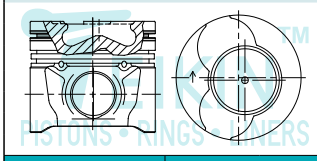
Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

40

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

FIESTA — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 73.70	1 - 2.5 FK	Ø 25.000				
-14.6	1 - 2.0	TL 60.00				
CD 42.90						
TL 65.40	1 - 2.5					
TEIKIN NO.		**TEIKIN NO.**				
35195A		**P 39179**				
REFERENCE NO.						
7S6Q 6110 A9A						



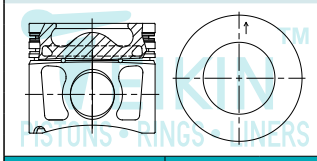
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 6.50 mm

41

2.2L DURATORQ TDCI 2184 cc — 4 cyl.

"PUMA" ZSD-422
2000 - PRESENT
FORD TRANSIT (2000-PRESENT)
FORD RANGER (2011-PRESENT)

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 86.00	2 - 2.0	Ø 30.000		TL 156.0		**TEIKIN NO.**
-16.1		TL 66.00		OD 89.0		**LKFF 35201AG**
CD 48.40				FT 5.0		**LKSF 35201AG**
TL 74.80	1 - 2.0			FD 90.9		
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		
35201AG	**R 35201**	**P 66105**		**LFF 35201** **LSF 35201**		
				Surface Treatment		
				None		
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**		
BK2Q6105 K-41765600 N-8742770050	KS: 800071510000 KS: 800071540000 KS: 800075210000 MAHLE: 015 70 N0			G-1402112000		



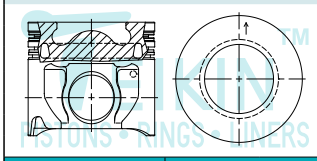
Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.030 mm MP: 8.50 mm

42

2.4L DURATORQ TDCI 2402 cc — 4 cyl.

"PUMA" P5AT
2006 - PRESENT
FORD RANGER (2006-PRESENT)

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 89.90	2 - 2.0	Ø 32.000				
-16.3		TL 72.00				
CD 53.50						
TL 80.50	1 - 2.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
35202AG	**R 35202**	**P 46254**				
REFERENCE NO.	**REFERENCE NO.**					
1376491/ 2/ 3 6C1Q-6K100-CAB/ CBB/ CCB A-A354116 K-40830600 M-0158100	KS: 800051110000 KS: 800051140000 MAHLE: 01580N0 G-0814810000					



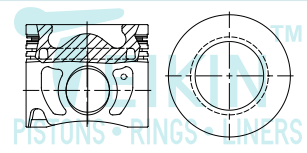
Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.030 mm MP: 7.50 mm

43

3.2L DURATORQ TDCi 3198 cc — 5 cyl.

"PUMA" ZSD-424
2000 - PRESENT
FORD TRANSIT (2000-PRESENT)
MAZDA BT50
FORD EVEREST

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 89.90	2 - 2.0	Ø 32.000				
-17.4		TL 74.00				
CD 48.40						
TL 75.40	1 - 2.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
35203AG	**R 35202-5**	**P 35203**				
REFERENCE NO.	**REFERENCE NO.**					
N-8714810085	KS: 800051110000 KS: 800051140000 MAHLE: 01580N0 G-0814810000					



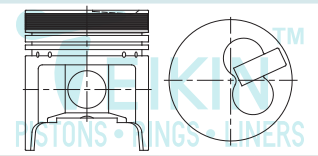
Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.040 mm MP: 7.50 mm

44

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

2402 E — 3537 cc — 6 cyl.

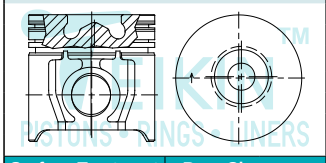
TRANSIT 3.5 D 1971-77
A 0409, A 0709 1974-83
A 0609 1972-83



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm MP: 25.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 93.65 -2.8 CD 61.70 TL 108.20	1 - 2.4 HK 1 - 2.4 1 - 4.8	Ø 29.000 TL 75.00		TL 171.5 OD 96.4		TEIKIN NO. LKSX 35102
TEIKIN NO. 35102	TEIKIN NO. R 35102	TEIKIN NO. P 43171		TEIKIN NO. LSX 35102 Surface Treatment None		
REFERENCE NO. 735F-6110-BAA KS: 92 813 600	REFERENCE NO. KS: 800009720000 MAHLE: 01417N0 G-0820730010			REFERENCE NO. 755F6055A KS: 89 032 190 MAHLE: 014 WV 04		45

4A B/ BA/ BB/ CA/ FA — 2496 cc — 4 cyl.

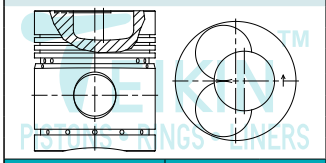


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 15.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 93.67 -18.0 CD 59.50 TL 94.00	1 - 2.5 FK 1 - 2.0 1 - 4.0	Ø 29.000 TL 77.00		TL 171.5 OD 96.9		TEIKIN NO. LKSX 35601A
TEIKIN NO. 35601A	TEIKIN NO. R 35601	TEIKIN NO. P 36101		TEIKIN NO. LSX 35601 Surface Treatment None		
REFERENCE NO. KS: 92 189 600 MAHLE: 014 82 00	REFERENCE NO. KS: 800009940000 MAHLE: 014 82 N0			REFERENCE NO. KS: 89 032 190 MAHLE: 014 WV 04		46

THAMES TRADER — 6 cyl.

1957-65



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 10.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 100.00 -24.7 CD 71.00 TL 117.90	3 - 2.4 2 - 4.8	Ø 34.925 TL 85.80				
TEIKIN NO. 35101		TEIKIN NO. P 35101				
REFERENCE NO. E1DDN-6110						47

TEIKIN™
PISTONS • RINGS • LINERS

Suitable For

GASOLINE GEELY

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
EMGRAND 4 cyl.	Ø 77.80 +2.1 CD 30.10 TL 52.50	2 - 1.2 1 - 3.0	Ø 20.000 TL 49.00					
	TEIKIN NO. 72101		TEIKIN NO. P 51146					
	REFERENCE NO.							

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 8.00 mm
1st Ring Anodized	

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
1.2L 4 cyl. SPARK 1.2L (2011- 2015)	Ø 69.70 +2.4 CD 25.30 TL 44.30	2 - 1.2 1 - 2.0	Ø 18.000 TL 47.50				
	TEIKIN NO. **58139**	**TEIKIN NO.** **R 58139**	**TEIKIN NO.** **P 30110**				
	REFERENCE NO. 25193049	**REFERENCE NO.**					
Surface Treatment: Moly Skirt	**Bore Clearance**: MRC: 0.030 mm MP: 6.50 mm						1
CORSA MPFI 1000 cc 4 cyl.	Ø 71.10 -2.0 CD 37.30 TL 58.20	2 - 1.5 1 - 3.0	Ø 18.000 TL 50.00				
	TEIKIN NO. **58104**	**TEIKIN NO.** **R 58104**	**TEIKIN NO.** **P 45136**				
	REFERENCE NO. MAHLE: S14145 M-E14145	**REFERENCE NO.** M-A14140					
Surface Treatment: Tin Coated	**Bore Clearance**: MRC: 0.030 mm MP: 9.50 mm						2
CORSA EFI 1000 cc 4 cyl.	Ø 71.10 -1.8 CD 37.30 TL 58.30	2 - 1.5 1 - 3.0	Ø 18.000 TL 50.00				
	TEIKIN NO. **58105**		**TEIKIN NO.** **P 45136**				
	REFERENCE NO. MAHLE: S14140						
Surface Treatment: Tin Coated	**Bore Clearance**: MRC: 0.030 mm MP: 9.50 mm						3
HCV 1000 cc 4 cyl. CELTA CORSA	Ø 71.10 CD 38.00 TL 59.00	1 - 1.2 1 - 1.5 1 - 2.0	Ø 18.000 TL 50.00				
	TEIKIN NO. **58106**		**TEIKIN NO.** **P 45136**				
	REFERENCE NO. MAHLE: S14165						
Surface Treatment: Tin Coated	**Bore Clearance**: MRC: 0.030 mm MP: 9.50 mm						4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

HCV FLEX — 1000 cc — 4 cyl.

CELTA
CORSA GEN III
BI-FUEL

Ø	71.10
CD	38.00
TL	62.00

RINGS: 2 - 1.2 / 1 - 2.0

Ø	18.000
TL	54.00

TEIKIN NO. (PISTON SET)	TEIKIN NO. (PIN)
58107	P 58107

REFERENCE NO.
MAHLE: S14740

Surface Treatment	Bore Clearance
Tin Coated Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 12.50 mm

5

1.4L TURBO — 1364 cc — 4 cyl.

TRAX 13-15
CRUZE 11-15
SONIC RS 12-15
VOLT 11-13
BUICK ENCORE 2013

Ø	72.50
	-2.9
CD	25.90
TL	44.10

RINGS: 2 - 1.2 / 1 - 2.0

Ø	18.000
TL	47.50

TEIKIN NO. (PISTON SET)	TEIKIN NO. (PIN)
58133	P 30110

REFERENCE NO.
55580184

Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.030 mm MP: 6.50 mm

6

LYX 1.5L TURBO — 1490 cc — 4 cyl.

MALIBU 2018-
GMC TERRAIN 2018-
CHEVROLET EQUINOX LYX 1.5L TURBO 2018-

Ø	74.00
	+0.8
CD	28.00
TL	47.80

RINGS: 2 - 1.2 / 1 - 2.0

Ø	19.000
TL	47.00

TEIKIN NO. (PISTON SET)	TEIKIN NO. (PIN)
58127A	P 44609

REFERENCE NO.
12674548

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 5.50 mm

7

AVEO — 4 cyl.

Ø	76.50
	-5.4
CD	28.00
TL	46.00

RINGS: 2 - 1.5 / 1 - 2.0

Ø	18.000
TL	53.00

TEIKIN NO. (PISTON SET)	TEIKIN NO. (PIN)
58117	P 46332

REFERENCE NO.
96412001

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 6.00 mm

8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

CRUZE
AVEO 09-12 — 4 cyl.
PONTIAC G3 09-10

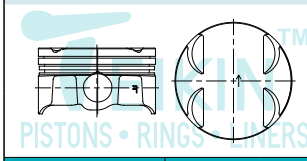
Ø	79.00
	-2.9
CD	26.80
TL	44.30

2 - 1.2
1 - 2.0

Ø	19.000
TL	50.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
58130	R 58130	P 48205



REFERENCE NO.	REFERENCE NO.
96476296	

Surface Treatment	Bore Clearance
Chromated	MRC: 0.030 mm
Moly Skirt	MP: 7.00 mm

9

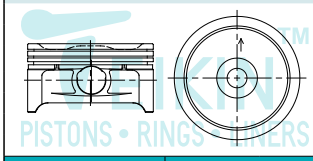
1.8L — 1796 cc
MPFI 107 HP TORNADO 04-08, — 4 cyl.
CORSA 03-08
08-11 STRADA
05-11 PALIO
L4 SOHC 8 VÁLV

Ø	80.50
	-3.8
CD	23.80
TL	44.80

2 - 1.2
1 - 2.0

Ø	18.000
TL	56.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
58119	R 58119	P 30104



REFERENCE NO.	REFERENCE NO.
93294730	93742701

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 9.00 mm

10

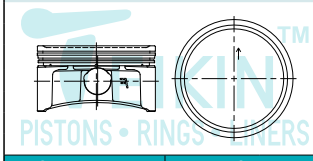
N18XFH — 1796 cc
TORNADO 2010-2016 — 4 cyl.
SOHC 8 VÁL. LJ1 MPFI

Ø	80.50
	-1.2
CD	24.10
TL	44.70

2 - 1.2
1 - 2.0

Ø	18.000
TL	56.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
58136	R 58136	P 30104



REFERENCE NO.	REFERENCE NO.
933 957 17 933 957 18 933 957 19 933 957 21 M-E14195	KS: 800038910000 KS: 800038940000 MAHLE: 01202N0 MAHLE: A14195

Surface Treatment	Bore Clearance
Chromated	MRC: 0.030 mm
Moly Skirt	MP: 9.00 mm

11

L61 — 2198 cc
2.2L — 4 cyl.
134 DOHC 16V
2000-05

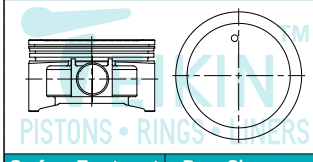
Ø	86.00
	-0.7
CD	26.50
TL	48.40

1 - 1.2
1 - 1.5
1 - 2.5

Ø	20.000
TL	58.00



TEIKIN NO.	TEIKIN NO.
58102	P 52112



REFERENCE NO.

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
	MP: 7.75 mm

12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

B207R — 1998 cc — 4 cyl.

Ø	86.00	+1.7
CD	31.70	
TL	55.30	

RINGS: 1 - 1.2 / 1 - 1.5 / 1 - 2.5

PIN: Ø 23.000 / TL 62.00

TEIKIN NO. (PISTON SET): 58110

TEIKIN NO. (PIN): P 55103

REFERENCE NO.: 12791210, 12590988

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 5.80 mm

13

ECOTEC — 4 cyl.

Ø	86.00	+2.7
CD	28.90	
TL	53.80	

RINGS: 1 - 1.2 / 1 - 1.5 / 1 - 2.0

PIN: Ø 20.000 / TL 58.00

TEIKIN NO. (PISTON SET): 58122

TEIKIN NO. (PIN): P 52112

REFERENCE NO.: 19180242

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 10.00 mm

14

2.0L — 1998 cc — 4 cyl.

OPTRA 04-11
FORENZA 04-08
DAEWOO NUBIRA 99-02
RENO 05-08

Ø	86.00	-5.9
CD	30.20	
TL	55.30	

RINGS: 1 - 1.2 / 1 - 1.5 / 1 - 2.5

PIN: Ø 21.000 / TL 66.00

TEIKIN NO. (PISTON SET): 58131

TEIKIN NO. (PIN): P 44121

REFERENCE NO.: 92067480

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 12.00 mm

15

ASTRA — 2384 cc — 4 cyl.

ASTRA 2004-2008
16V DOHC

Ø	87.50	-6.4
CD	27.30	
TL	50.30	

RINGS: 1 - 1.2 / 1 - 1.5 / 1 - 2.5

PIN: Ø 21.000 / TL 63.50

TEIKIN NO. (PISTON SET): 58103

TEIKIN NO. (PIN): P 32120

REFERENCE NO.: 93399844

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.030 mm MP: 10.00 mm

16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

2.2L
118 HP CAVALIER 94-97 — 4 cyl.
SUNFIRE 95-97
S-10 PICK UP 94-97.
L4 SOHC 8 VÁLV

Ø	89.00	-5.2
CD	30.10	
TL	51.10	

RINGS: 2 - 1.5 / 1 - 3.0

PIN: Ø 20.320 / TL 61.50

TEIKIN NO. 58120

TEIKIN NO. P 58120

REFERENCE NO. 24576691

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 5.00 mm

17

191 — 3136 cc
V6 — 6 cyl.
1994-1996
MALIBU
CENTURY LTD
CUTLASS

Ø	89.00	-7.1
CD	37.40	
TL	57.00	

RINGS: 2 - 1.5 / 1 - 4.0

PIN: Ø 23.000 / TL 62.00

TEIKIN NO. 58108

TEIKIN NO. P 55103

REFERENCE NO. 24505806

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 5.00 mm

18

3.1L
MALIBU 97-04 — 6 cyl.
155 CP
V6 OHV 12 VÁLV.

Ø	89.00	-6.6
CD	37.80	
TL	59.90	

RINGS: 1 - 1.2 / 1 - 1.5 / 1 - 3.0

PIN: Ø 23.000 / TL 56.00

TEIKIN NO. 58125

TEIKIN NO. P 34129

REFERENCE NO. 20508726

Surface Treatment	Bore Clearance
Tin Coated Moly Skirt	MRC: 0.030 mm MP: 7.50 mm

19

MOT.146 — 2400 cc
CAVALIER 16V — 4 cyl.
1996-97
SUNFIRE 95-97
MALIBU 97-02
L4 DOHC 16 VALS

Ø	90.00	-0.9
CD	29.80	
TL	51.70	

RINGS: 1 - 1.2 / 1 - 1.5 / 1 - 3.0

PIN: Ø 22.000 / TL 60.00

TEIKIN NO. 58101

TEIKIN NO. P 34102

REFERENCE NO. 24545963

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 6.00 mm

20

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

VENTURE 3.4
(VIN-E) VENTURE (MINIVAN) 6 cyl.
97-04
V6

Ø	92.00	-6.5
CD	37.80	
TL	62.90	

RINGS: 1 - 1.2 / 1 - 1.5 / 1 - 3.0

PIN: Ø 23.000 / TL 56.00

TEIKIN NO. 58124

TEIKIN NO. P 34129

REFERENCE NO. 24508727

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Moly Skirt	MP: 10.00 mm

21

4.2L
TRAILBLAZER, ENVOY 02-05 6 cyl.
OLDSMOBILE BRAVADA 02-04
BUICK RAINER 04-05
ISUZU ASCENDER 03-06

Ø	93.00	+2.3
CD	27.90	
TL	52.10	

RINGS: 1 - 1.2 / 1 - 1.5 / 1 - 2.5

PIN: Ø 23.000 / TL 65.00

TEIKIN NO. 58132

TEIKIN NO. P G2104

REFERENCE NO. 12482717, 12585784

Surface Treatment	Bore Clearance
Chromated	MRC: 0.030 mm
Moly Skirt	MP: 8.00 mm

22

213/LX9 3498 cc
V6 3.5L 6 cyl.
2004-2007

Ø	94.00	-5.9
CD	32.30	
TL	59.80	

RINGS: 1 - 1.2 / 1 - 1.5 / 1 - 2.5

PIN: Ø 24.000 / TL 61.00

TEIKIN NO. 58109

TEIKIN NO. P 46300

REFERENCE NO. 12577586, 12584528

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
	MP: 12.00 mm

23

LY7 3564 cc
6 cyl.

Ø	94.00	-3.1
CD	32.10	
TL	55.00	

RINGS: 1 - 1.2 / 1 - 1.5 / 1 - 2.5

PIN: Ø 24.000 / TL 61.00

TEIKIN NO. 58126

TEIKIN NO. P 46300

REFERENCE NO. 12590866

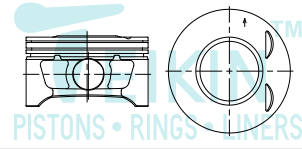
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
	MP: 8.50 mm

24

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

LLV 2921 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 95.50 +1.0 CD 28.70 TL 54.50	1 - 1.2 1 - 1.5 1 - 2.5	Ø 23.500 TL 65.50				
TEIKIN NO. 58111		TEIKIN NO. P 58111				
REFERENCE NO. 89018218						

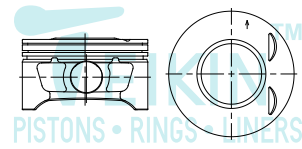


Surface Treatment	Bore Clearance
Chromated	MRC: 0.030 mm
Moly Skirt	MP: 11.00 mm

25

LLR 3653 cc — 5 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 95.50 +1.0 CD 28.70 TL 54.40	1 - 1.2 1 - 1.5 1 - 2.5	Ø 23.500 TL 65.50				
TEIKIN NO. 58111-5		TEIKIN NO. P 58111				
REFERENCE NO. 89018218						

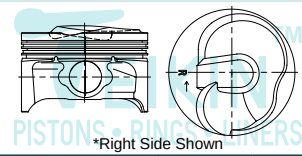


Surface Treatment	Bore Clearance
Chromated	MRC: 0.030 mm
Moly Skirt	MP: 11.00 mm

26

5.3L — 8 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 96.00 +5.4 CD 33.70 TL 65.70	1 - 1.2 1 - 1.5 1 - 2.5	Ø 23.955 TL 65.00				
TEIKIN NO. 58123		TEIKIN NO. P 58123				
REFERENCE NO. 12656876 (R/L)						



*Right Side Shown

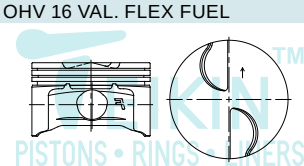
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 12.50 mm
1st Ring Anodized	

27

4.8L-II 4807 cc — 8 cyl.

EXPRESS 2500, 3500 10-15
SAVANA 2500, 3500 10-15
SILVERADO 1500 10-13
SIERRA 1500 10-13
OHV 16 VAL. FLEX FUEL

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 96.01 -4.6 CD 34.00 TL 59.60	2 - 1.5 1 - 3.0	Ø 23.955 TL 65.00				
TEIKIN NO. 58134	TEIKIN NO. R 58134	TEIKIN NO. P 58123				
REFERENCE NO. 19208675 M-2243887	REFERENCE NO. 12456338 19208677 M-41859CP					

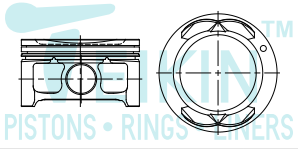


Surface Treatment	Bore Clearance
Chromated	MRC: 0.030 mm
Moly Skirt	MP: 11.00 mm

28

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

3.9L — 6 cyl.
UPLANDER 06-08
MONTECARLO 2006
PONTIAC G6 06-09
IMPALA, MALIBU 06-07
BUICK TERREZA 06-07

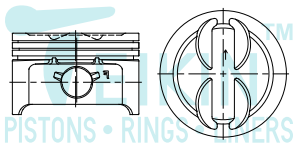


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 8.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 99.00 -4.1 CD 33.20 TL 56.20	1 - 1.2 1 - 1.5 1 - 2.5	Ø 23.955 TL 65.00				
TEIKIN NO. 58129		TEIKIN NO. P 58123				
REFERENCE NO. 89018065						

29

4.3L — 6 cyl.
VORTEC (VIN- V,W) BLAZER
SILVERADO
P.U. 1500 (99-08)
G30 CARGO VAN (00-07)
EXPRESS VAN

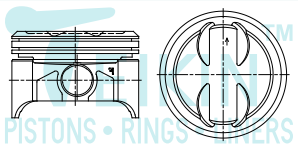


Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.030 mm MP: 11.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 101.60 -1.6 CD 39.40 TL 65.30	2 - 1.5 1 - 3.0	Ø 23.550 TL 76.00				
TEIKIN NO. 58121		TEIKIN NO. P 58112				
REFERENCE NO. 88894280 12522850						

30

5.7L (350) — 8 cyl.
OHV 16 VAL
CAPRICE
CONCOURS
CHEVY NOVA
73-91

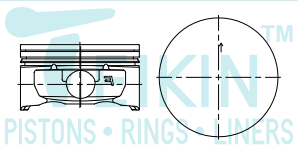


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 101.60 -1.7 CD 39.10 TL 70.20	2 - 2.0 1 - 4.75	Ø 23.550 TL 76.00				
TEIKIN NO. 58112		TEIKIN NO. P 58112				
REFERENCE NO. 2774228						

31

VORTEC VIN 6 — 8 cyl.
SILVERADO 1500, 2500
SUBURBAN 2500
SIERRA 1500, 2500
YUKON 1500, 2500
CORVETTE 05-07



Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.030 mm MP: 7.50 mm

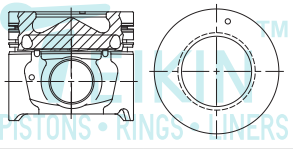
PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 101.60 CD 34.00 TL 55.90	1 - 1.2 1 - 1.5 1 - 2.5	Ø 23.955 TL 65.00				
TEIKIN NO. 58138		TEIKIN NO. P 58123				
REFERENCE NO. 19178305						

32

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
ESCALADE SILVERADO 1500 19-11 **8 cyl.** TAHOE 08-09 SIERRA 1500, YUKON 07-11 CADILLAC ESCALADE 07-11 HUMMER H2 08-09	**Ø 103.25** -4.2 CD 34.00 TL 55.90	2 - 1.5 1 - 2.5	Ø 23.955 TL 65.00					
	TEIKIN NO. **58135**	**TEIKIN NO.** **R 58135**	**TEIKIN NO.** **P 58123**					
Surface Treatment Chromated Moly Skirt	**Bore Clearance** MRC: 0.030 mm MP: 7.50 mm	**REFERENCE NO.** 19178597	**REFERENCE NO.** 19168090 M-42082CP					

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
					LINER			

CAPTIVA
WINDSTORM — 4 cyl.



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.040 mm MP: 8.00 mm

Ø	83.00
	-14.0
CD	46.30
TL	72.30

1 - 2.0 FK
1 - 2.0
1 - 3.0

Ø 28.000
TL 67.00



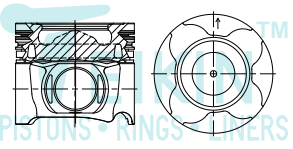
TEIKIN NO. 58118AG

TEIKIN NO. P 58118

REFERENCE NO. 25182669

34

LWN 2.8L VGT 2776 cc
GMC CANYON, SAVANA 16-18 — 4 cyl.
COLORADO, EXPRESS 16-18
ISUZU MU-X (THAILAND)
CHEVROLET TRAILBLAZER LWN 2.8L VGT DIESEL 16-18



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.050 mm MP: 11.00 mm

Ø	94.00
	-17.4
CD	52.00
TL	80.00

1 - 2.0 HK
1 - 1.5
1 - 2.0

Ø 32.000
TL 75.00



TEIKIN NO. 58128AG

TEIKIN NO. P 43678

REFERENCE NO. 12674046

35

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

DM-100 — 4313 cc — 6 cyl.

KM-100, 320, 340

Ø	90.00	-4.8
CD	53.80	
TL	104.00	

RINGS: 3 - 2.5 / 2 - 4.0

Ø	29.000
TL	77.00

TL	198.5
OD	104.5
FT	9.0 + 1.0
FD	110.0

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
36101	R 36101	P 36101		LFF 36101

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13216-1120 13216-1120A 3352-1961-00	13011-1350 13011-1350A	11467-1401 11467-1440 2352-1695-01

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 21.00 mm

TEIKIN NO.: LKFF 36101

1

EC 100 — 5010 cc — 6 cyl.

Ø	97.00	-6.1
CD	58.00	
TL	112.00	

RINGS: 3 - 2.5 / 2 - 4.0

Ø	31.500
TL	81.50

TL	206.0
OD	110.5
FT	10.0 + 1.0
FD	117.0

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
36603 36603A	R 36603	P 36603	B 36603	LFF 36603

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13216-1140 13216-1140C 2380-1940-01	13011-1390 13011-1400		13272-1140	11467-1130 11467-1130A 11467-1491 2353-8019-10

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.120 mm MP: 20.00 mm

TEIKIN NO.: LKFF 36603, LKFF 36603A

2

W04D — 4009 cc — 4 cyl.

Ø	104.00	-19.2
CD	60.20	
TL	106.20	

RINGS: 1 - 2.5 / 1 - 2.0 / 1 - 5.0

Ø	35.000
TL	85.00

TL	201.0
OD	107.0
FT	8.0 + 0.9
FD	112.0

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
36653 36653A	R 36653	P 39166	B 36653	LFF 36651-4 LSF 36651-4

Surface Treatment: *Phosphate (PH)

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13216-1460 13216-1460E 13211-1801 13101-78020 13101-78060	13011-1973 13011-2540 13019-1150		13272-1280 13272-1281	11467-1761/71 11467-1781/91 11461-78020/30 11461-78040/50

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm MP: 24.75 mm

TEIKIN NO.: LKFF 36653, LKSF 36653, LKFF 36653A, LKSF 36653A

3

W04D LATE — 4009 cc — 4 cyl.

Ø	104.00	-18.4
CD	60.20	
TL	106.20	

RINGS: 1 - 2.5 / 1 - 2.0 / 1 - 5.0

Ø	35.000
TL	85.00

TL	201.0
OD	107.0
FT	8.0 + 0.9
FD	112.0

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
36658 36658A	R 36653	P 39166	B 36653	LFF 36651-4 LSF 36651-4

Surface Treatment: *Phosphate (PH)

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13216-2220	13011-1973 13011-2540 13019-1150		13272-1280 13272-1281	11467-1761/71 11467-1781/91 11461-78020/30 11461-78040/50

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 23.00 mm

TEIKIN NO.: LKFF 36658, LKSF 36658, LKFF 36658A, LKSF 36658A

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET

W04CT — 4009 cc — 4 cyl.

Ø	104.00	-19.4
CD	62.70	
TL	108.70	

1 - 3.0 FK	
1 - 2.5	
1 - 5.0	

Ø	37.000
TL	85.00

TL	201.0	
OD	107.0	
FT	8.0 + 0.9	
FD	112.0	

TEIKIN NO.
LKFF 36660A
LKSF 36660A

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
36660A	R 36660	P 36127	B 36660	LFF 36651-4 LSF 36651-4

Surface Treatment
*Phosphate (PH)

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 24.50 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13216-1631	13011-2270		11467-1761/71
S1321-61631	13011-2270A		11467-1781/91
	13011-2270C		11461-78020/30
	13011-2550		11461-78040/50

5

W06D — 5759 cc — 6 cyl.

Ø	104.00	-18.5
CD	62.60	
TL	108.70	

1 - 2.5	
1 - 2.0	
1 - 5.0	

Ø	35.000
TL	85.00

TL	201.0	
OD	107.0	
FT	8.0 + 0.9	
FD	112.0	

TEIKIN NO.
LKFF 36651A

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
36651A	R 36651	P 39166	B 36651	LFF 36651*

Surface Treatment
*Phosphate (PH)

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 14.20 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13216-1470	13011-1983	13272-1280	11467-1761/71
13216-1470D	13011-2420	13272-1281	11467-1781/91
13216-1470E	13011-2440		11461-78020/30
			11461-78040/50

6

W06E — 6014 cc — 6 cyl.

Ø	104.00	-19.1
CD	60.20	
TL	106.20	

1 - 2.5	
1 - 2.0	
1 - 5.0	

Ø	35.000
TL	85.00

TL	201.0	
OD	107.0	
FT	8.0 + 0.9	
FD	112.0	

TEIKIN NO.
LKFF 36656A

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
36656A	R 36651	P 39166	B 36661	LFF 36651*

Surface Treatment
*Phosphate (PH)

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 25.00 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13211-2070	13011-1983		11467-1761/71
13216-1720	13011-2420		11467-1781/91
13216-1720B	13011-2440		11461-78020/30
			11461-78040/50

7

W06DT — 5759 cc — 6 cyl.

Ø	104.00	-19.4
CD	62.70	
TL	108.70	

1 - 2.8 FK	
1 - 2.5	
1 - 5.0	

Ø	37.000
TL	85.00

TL	201.0	
OD	107.0	
FT	8.0 + 0.9	
FD	112.0	

TEIKIN NO.
LKFF 36661A

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
36661A	R 36661	P 36127	B 36661	LFF 36651*

Surface Treatment
*Phosphate (PH)

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 24.00 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13211-1982	13011-2610A		11467-1761/71
	13011-2950A		11467-1781/91
	13011-2680A		11461-78020/30
			11461-78040/50

8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

EH-100 — 5871 cc — 6 cyl.

KR-105
1972

Ø	105.00	-6.6
CD	59.20	
TL	112.00	

3 - 2.5
2 - 4.0

Ø	34.000
TL	88.50

TL	204.0
OD	110.0
FT	8.0 + 0.5
FD	115.0

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.	TEIKIN NO.
36111 36111A	R 36111	P 46242		LFF 36111	LKFF 36111 LKFF 36111A

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm MP: 21.00 mm

REFERENCE NO.	REFERENCE NO.			REFERENCE NO.
2382-1961-00 13216-1010 13211-1170	13011-1150 13011-1410			11467-1030 11467-1040

9

H06BT — 6224 cc — 6 cyl.

Ø	105.80	-24.6
CD	69.50	
TL	121.50	

1 - 2.8 FK
2 - 2.5
1 - 5.0

Ø	39.000
TL	87.50

TL	204.0
OD	110.0
FT	8.0 + 0.7
FD	118.0

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
36652A	R 36652	P 36652	B 36113	LFF 36652*	LKFF 36652A

Surface Treatment: Phosphate (PH)

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm MP: 20.00 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
13216-1591	13011-2880A		13272-1220 13272-1270	11467-1921 11467-1931 11467-1941 11467-1951

10

H06CTI/CTL-II — 6485 cc — 6 cyl.

Ø	108.00	-20.2
CD	69.50	
TL	121.50	

1 - 3.0 FK
2 - 2.5
1 - 4.0

Ø	39.000
TL	90.00

TL	204.0
OD	113.0
FT	8.0 + 1.0
FD	118.0

TEIKIN NO.		TEIKIN NO.		TEIKIN NO.	TEIKIN NO.
36133A		P 36113		LFF 36135	LKFF 36133A

Surface Treatment: Phosphate (PH)

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm MP: 28.50 mm

REFERENCE NO.				REFERENCE NO.
13216-2600				11467-1591 11467-1601 11467-1611 11467-1621

11

H06CTE — 6485 cc — 6 cyl.

Ø	108.00	-21.2
CD	69.50	
TL	121.50	

1 - 3.0 FK
2 - 2.5
1 - 5.0

Ø	39.000
TL	90.00

TL	204.0
OD	113.0
FT	8.0 + 1.0
FD	118.0

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
36135A	R 36135	P 36113	B 36113	LFF 36135*	LKFF 36135A

Surface Treatment: Phosphate (PH)

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm MP: 28.50 mm

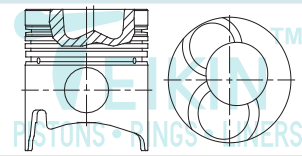
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
13216-1750	13011-1961		13272-1220 13272-1270	11467-1591 11467-1601 11467-1611 11467-1621

12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

H06CTB — 6485 cc — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 108.00	1 - 3.0 FK	Ø 39.000		TL 204.0			TEIKIN NO.
-25.6	2 - 2.5	TL 90.00		OD 113.0			LKFF 36136A
CD 69.50				FT 8.0 + 1.0			
TL 121.50	1 - 5.0			FD 118.0			
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
36136A	R 36135	P 36113	B 36113	LFF 36135*			
				Surface Treatment			
				Phosphate (PH)			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
13216-1540	13011-1961		13272-1220	11467-1591			
13216-1540B			13272-1270	11467-1601			
				11467-1611			
				11467-1621			

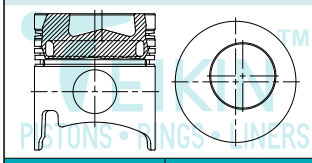


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm MP: 28.50 mm

13

H06CTI/CTL-III — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 108.00	1 - 2.8 FK	Ø 39.000					
-20.3	2 - 2.0	TL 90.00					
CD 69.50							
TL 121.50	1 - 4.0						
TEIKIN NO.		TEIKIN NO.					
36137AG		P 36113					
REFERENCE NO.							
13216-2840							

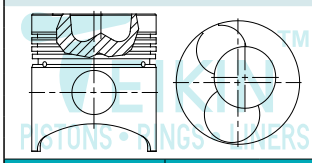


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 28.50 mm

14

EH-700 — 6443 cc — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 110.00	1 - 3.0	Ø 39.000		TL 204.0			TEIKIN NO.
-24.5	2 - 2.5	TL 90.00		OD 113.0			LKFF 36113
CD 69.30				FT 8.0 + 0.8			LKSF 36113
TL 121.25	1 - 5.0			FD 118.0			LKFF 36113A
							LKSF 36113A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
36113	R 36113	P 36113	B 36113	LFF 36113*			
36113A				LSF 36113			
				Surface Treatment			
				Phosphate (PH)			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
13216-1180	13011-1610/B		13272-1220	11467-1200			
13211-1471	13011-1620/A		13272-1270	11467-1210			
13216-1181	13011-2070A			11467-1220			
	13011-2090			11467-1230			

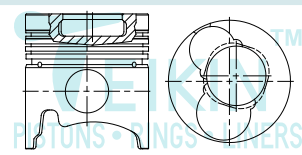


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 28.00 mm

15

H07C NEW — 6728 cc — SUPER RANGER — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 110.00	1 - 3.0	Ø 39.000		TL 204.0			TEIKIN NO.
-20.0	2 - 2.5	TL 90.00		OD 113.0			LKFF 36124
CD 69.45				FT 8.0 + 0.8			LKSF 36124
TL 121.50	1 - 5.0			FD 118.0			LKFF 36124A
							LKSF 36124A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
36124	R 36113	P 36113	B 36113	LFF 36113*			
36124A				LSF 36113			
				Surface Treatment			
				Phosphate (PH)			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
13216-1771	13011-1610/B		13272-1220	11467-1200			
13216-2300	13011-1620/A		13272-1270	11467-1210			
	13011-2070A			11467-1220			
	13011-2090			11467-1230			



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 28.00 mm

16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

H07C OLD — 6728 cc — 6 cyl.

RANGER

Ø 110.00	1 - 3.0	Ø 39.000		TL 204.0		TEIKIN NO.
-27.6	2 - 2.5	TL 90.00		OD 113.0		LKFF 36125
CD 69.45				FT 8.0 + 0.8		LKSF 36125
TL 121.50	1 - 5.0			FD 118.0		LKFF 36125A
						LKSF 36125A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
36125	R 36113	P 36113		LFF 36113*		
36125A				LSF 36113		
				Surface Treatment		
				Phosphate (PH)		
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.		
13216-1851	13011-1610/B			11467-1200		
13216-2290	13011-1620/A			11467-1210		
	13011-2070A			11467-1220		
	13011-2090			11467-1230		17

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm
	MP: 28.00 mm

H07D — 7412 cc — 6 cyl.

Ø 110.00	1 - 3.0	Ø 37.000		TL 204.0		TEIKIN NO.
-20.5	1 - 2.0	TL 85.00		OD 113.0		LKFF 36127
CD 57.00				FT 8.0 + 0.8		LKSF 36127
TL 100.00	1 - 4.0			FD 118.0		LKFF 36127A
						LKSF 36127A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
36127	R 36127	P 36127		LFF 36113*		
36127A				LSF 36113		
				Surface Treatment		
				Phosphate (PH)		
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.		
13216-2260	13011-2650			11467-1200		
	13011-2651/A			11467-1210		
	13011-2660			11467-1220		
				11467-1230		18

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm
	MP: 20.60 mm

HO7C-T — 6278 cc — 6 cyl.

Ø 110.00	1 - 2.8 FK	Ø 39.000		TL 204.0		TEIKIN NO.
-19.5	2 - 2.0	TL 90.00		OD 113.0		LKFF 36129AG
CD 69.45				FT 8.0 + 0.8		LKSF 36129AG
TL 121.45	1 - 4.0			FD 118.0		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
36129AG	R 36129	P 36113	B 36113	LFF 36113*		
				LSF 36113		
				Surface Treatment		
				Phosphate (PH)		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
13216-2740	13011-3510		13272-1220	11467-1200		
	13011-3510A		13272-1270	11467-1210		
				11467-1220		
				11467-1230		19

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm
	MP: 28.50 mm

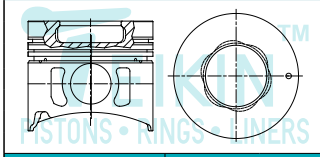
H07C-T-II — 6728 cc — 6 cyl.

Ø 110.00	1 - 2.8 FK	Ø 39.000		TL 204.0		TEIKIN NO.
-19.5	1 - 2.0	TL 90.00		OD 113.0		LKFF 36655AG
CD 69.40	1 - 2.5			FT 8.0 + 0.8		LKSF 36655AG
TL 121.40	1 - 4.0			FD 118.0		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
36655AG	R 36655	P 36113	B 36113	LFF 36113*		
				LSF 36113		
				Surface Treatment		
				Phosphate (PH)		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
13216-2062	13011-2672		13272-1220	11467-1200		
	13011-2672A		13272-1270	11467-1210		
				11467-1220		
				11467-1230		20

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm
	MP: 28.50 mm

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

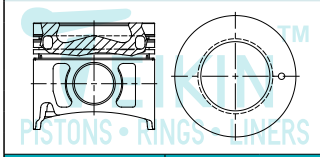
J05C — 5307 cc — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 21.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 114.00 -19.6 CD 57.10 TL 100.00	1 - 3.0 1 - 2.0 1 - 4.0	Ø 37.000 TL 84.50		TL 204.0 OD 117.0 FT 8.0 + 0.8 FD 122.0		TEIKIN NO. LKFF 36657A
TEIKIN NO. 36657A	TEIKIN NO. R 36657	TEIKIN NO. P 36657	TEIKIN NO. B 36657	TEIKIN NO. LFF 36657*		
				Surface Treatment Phosphate (PH)		
REFERENCE NO. 13216-2631	REFERENCE NO. 13011-3391B		REFERENCE NO. 13271-1420 13272-1300B 13272-1381	REFERENCE NO. 11467-2601 11467-2611 11467-2621 11461-78070		21

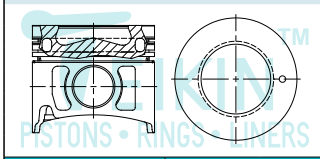
J05C-T — 5307 cc — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm MP: 20.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 114.00 -18.4 CD 57.00 TL 100.00	1 - 2.5 1 - 2.0 1 - 4.0	Ø 37.000 TL 85.00		TL 204.0 OD 117.0 FT 8.0 + 0.8 FD 122.0		TEIKIN NO. LKFF 36659AG-4
TEIKIN NO. 36659AG-4	TEIKIN NO. R 36659-4	TEIKIN NO. P 36659	TEIKIN NO. B 36657	TEIKIN NO. LFF 36657*		
				Surface Treatment Phosphate (PH)		
REFERENCE NO. 13306-1080	REFERENCE NO. 13011-3880A 13011-3940A 13019-11010B		REFERENCE NO. 13271-1420 13272-1300B 13272-1381	REFERENCE NO. 11467-2601 11467-2611 11467-2621 11461-78070		22

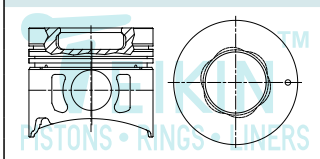
J07C-T — 6634 cc — 5 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm MP: 20.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 114.00 -18.4 CD 57.00 TL 100.00	1 - 2.5 1 - 2.0 1 - 4.0	Ø 37.000 TL 85.00		TL 204.0 OD 117.0 FT 8.0 + 0.8 FD 122.0		TEIKIN NO. LKFF 36659AG-5
TEIKIN NO. 36659AG-5	TEIKIN NO. R 36659-5	TEIKIN NO. P 36659	TEIKIN NO. B 36657	TEIKIN NO. LFF 36657-5		
				Surface Treatment Phosphate (PH)		
REFERENCE NO. 13306-1080	REFERENCE NO. 13011-3660A 13011-3900A		REFERENCE NO. 13271-1420 13272-1300B 13272-1381	REFERENCE NO. 11467-2601 11467-2611 11467-2621 11461-78070		23

J08C — 7961 cc — 6 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 21.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 114.00 -19.6 CD 57.10 TL 100.00	1 - 3.0 1 - 2.0 1 - 4.0	Ø 37.000 TL 84.50		TL 204.0 OD 117.0 FT 8.0 + 0.8 FD 122.0		TEIKIN NO. LKFF 36657-6 LKFF 36657A-6
TEIKIN NO. 36657-6 36657A-6	TEIKIN NO. R 36657-6	TEIKIN NO. P 36657	TEIKIN NO. B 36657	TEIKIN NO. LFF 36657-6		
				Surface Treatment Phosphate (PH)		
REFERENCE NO. 13216-2631	REFERENCE NO. 13011-2960A 13011-2961A 13011-2962 13011-2962A		REFERENCE NO. 13271-1420 13272-1300B 13272-1381	REFERENCE NO. 11467-2601 11467-2611 11467-2621 11461-78070		24

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

J08C-T — 7961 cc — 6 cyl.

Ø	114.00	-18.4
CD	57.00	
TL	100.00	

Ø	1 - 2.5
	1 - 2.0
	1 - 4.0

Ø	37.000
TL	85.00

TL	204.0
OD	117.0
FT	8.0 + 0.8
FD	122.0

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
36659AG	R 36659	P 36659	B 36657	LFF 36657-6

Surface Treatment: Phosphate (PH)

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
13306-1080	13011-3570/A 13011-3820/A 13011-3870/A		13271-1420 13272-1300B 13272-1381	11467-2601 11467-2611 11467-2621 11461-78070

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm MP: 20.00 mm

TEIKIN NO. LKFF 36659AG

25

EB300 — 9838 cc — 6 cyl.

Ø	120.00	-6.0
CD	86.40	
TL	155.40	

3 - 3.5
1 - 6.0

Ø	45.000
TL	100.00

TL	288.0
OD	136.0
FT	11.0 + 1.0
FD	143.0

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
36601 36601A	R 36601	P 36601	B 36601	LFF 36601

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
13216-1110 13216-1110A 2334-1961-00	13011-1330 13011-1720 13011-1730 13011-1730A		13272-1100	11467-1180 11467-1520 2334-1963-00

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.190 mm MP: 27.00 mm

TEIKIN NO. LKFF 36601 LKFF 36601A

26

EM 100 — 9419 cc — 6 cyl.

Ø	124.00	-28.3
CD	80.35	
TL	139.40	

Ø	1 - 3.0 FK
	1 - 2.5
	1 - 3.0
	1 - 5.0

Ø	42.000
TL	98.00

TL	236.0
OD	129.1
FT	8.0 + 1.2
FD	134.0

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
36128 36128A	R 36128	P 36128	LFF 36128*

Surface Treatment: Phosphate (PH)

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.
13216-1370	13011-1921 13011-1931 13011-3530		11467-1661 11467-1671

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.130 mm MP: 32.00 mm

TEIKIN NO. LKFF 36128 LKFF 36128A

27

ED-100 — 11581 cc — 6 cyl.

Ø	128.00	-49.0
CD	99.20	
TL	160.00	

3 - 3.5
1 - 6.0

Ø	48.000
TL	106.00

TEIKIN NO.		TEIKIN NO.		
36112		P 36112		

REFERENCE NO.
2-400-1901-02 13216-1170 13211-1530

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.160 mm MP: 18.40 mm

28

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

EK 100 — 13267 cc — 6 cyl.

Ø	137.00	1 - 3.3 FK	Ø	50.000		TL	267.0		TEIKIN NO.
	-31.7	2 - 3.5	TL	110.00		OD	153.0		LKFF 36650A
CD	90.20					FT	12.0 + 0.8		
TL	145.40	1 - 6.0				FD	164.0		
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		TEIKIN NO.		
36650A		R 36650	P 36650		B 36650		LFF 36650		
						Surface Treatment			
						Chromed O.D.			
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.		REFERENCE NO.		
13216-1220A		13011-1010/1			13272-1010		11467-1080		
13216-1222/24		13011-1021					11467-1910		
13211-1900		13011-1021B					11467-1960		
13216-1530		13011-2210					11467-1920		
13216-1900									

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.170 mm MP: 10.00 mm

29

EF750 — 16745 cc — 8 cyl.

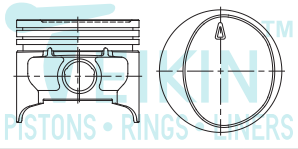
Ø	137.00	1 - 3.5 FK	Ø	50.000		TL	248.0		TEIKIN NO.
	-30.3	2 - 3.5	TL	110.00		OD	153.0		LKFF 36654A
CD	90.30					FT	12.0 + 0.8		
TL	144.30	1 - 6.0				FD	165.0		
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		TEIKIN NO.		
36654A		R 36654	P 36650		B 36654		LFF 36654		
						Surface Treatment			
						Chromed O.D.			
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.		REFERENCE NO.		
13226-1170(R)		13011-1111/2			13272-1240		11467-1091		
13216-1860(L)		13011-1121/B					11467-1900		
		13011-1122							
		13011-2180							

*Right Side Shown

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.170 mm MP: 10.00 mm

30

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
202 **3297 cc** 202ci BLUE-BLACK 6 cyl. 202ci RED	**Ø 92.08** -1.7 CD 42.40 TL 77.10	2 - 2.0 1 - 4.75	Ø 22.000 TL 66.00				
	TEIKIN NO. **37116**		**TEIKIN NO.** **P 39104**				
	REFERENCE NO. 6KRY3302						



Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 20.00 mm

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	LINER	NO FLANGE	LINER KIT SET

EN — 1238 cc — 4 cyl.

EB3

Ø	72.00	+2.5
CD	27.50	
TL	65.00	

2 - 1.5

1 - 4.0

Ø 17.000
TL 62.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38109	R 38109	P 38109

Surface Treatment	Bore Clearance
None	MRC: 0.020 mm MP: 19.00 mm

REFERENCE NO.	REFERENCE NO.
13101-PA1-010	13011-673-000 13011-679-621 13011-PA0-004 13021-PA1-004

1

EJ — 4 cyl.

EB3 NEW
CIVIC 1300
1978-83

Ø	72.00	+3.5
CD	27.50	
TL	66.00	

2 - 1.5

1 - 4.0

Ø 17.000
TL 62.00

TEIKIN NO.	TEIKIN NO.
38147	P 38109

Surface Treatment	Bore Clearance
None	MRC: 0.020 mm MP: 17.00 mm

REFERENCE NO.

2

EB5 — 1433 cc — 4 cyl.

145 COUPLE
SOHC 8V

Ø	72.00	-1.5
CD	27.00	
TL	60.00	

2 - 1.5

1 - 2.8

Ø 17.000
TL 62.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38670	R 38670	P 38109

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 18.00 mm

REFERENCE NO.	REFERENCE NO.
13101-634-670	13011-642-003 13011-642-004 13011-642-305

3

L15A — 1496 cc — 4 cyl.

JAZZ 2005-2007

Ø	73.00	+1.7
CD	26.20	
TL	49.40	

1 - 1.0
1 - 1.2

1 - 2.0

Ø 18.000
TL 53.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38182	R 38182	P 46332

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 10.00 mm

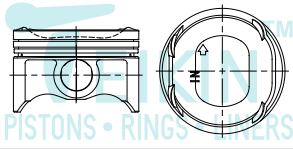
REFERENCE NO.	REFERENCE NO.
13010-PWC-J01	13011-REA-Z01 13021-REA-Z01

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

JAZZ RS 1500 cc — 4 cyl.

FIT 2008 - ON
1.5 L
CR-Z ~ CITY ~ FIT
(08-)
SOHC 16V

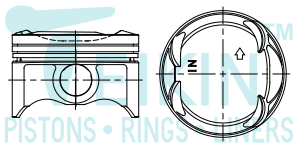


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 10.00 mm

PISTON SET	RINGS	PIN
Ø 73.00 +1.6	2 - 1.0	Ø 18.000
CD 26.20		TL 53.00
TL 49.30	1 - 2.0	
TEIKIN NO. 38183	**TEIKIN NO.** R 38183	**TEIKIN NO.** P 46332
REFERENCE NO. 13010-RB1-000 13010-55A-Z00	**REFERENCE NO.** 13011-RB0-006 13011-RB1-004 13021-RB7-Z01 13021-RB7-Z02	

5

L13A — 4 cyl.



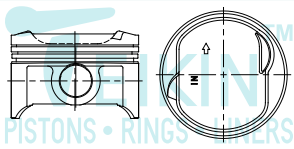
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 10.00 mm

PISTON SET	RINGS	PIN
Ø 73.00 +2.4	2 - 1.0	Ø 18.000
CD 26.30		TL 53.00
TL 50.20	1 - 2.0	
TEIKIN NO. 38201		**TEIKIN NO.** P 46332
REFERENCE NO. 13010-RB0-J10		

6

L15A2 1496 cc — 4 cyl.

HONDA CITY
2004



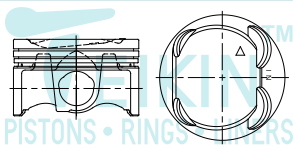
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 10.00 mm

PISTON SET	RINGS	PIN
Ø 73.00 +2.4	1 - 1.0 1 - 1.2	Ø 18.000 TL 53.00
CD 26.20		
TL 50.10	1 - 2.0	
TEIKIN NO. 38203	**TEIKIN NO.** R 38182	**TEIKIN NO.** P 46332
REFERENCE NO. 13010-REA-Z00 13020-REA-Z00	**REFERENCE NO.** 13011-REA-Z01 13021-REA-Z01	

7

L15B7 1498 cc — 4 cyl.

CIVIC (2017- 2020)



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 5.00 mm

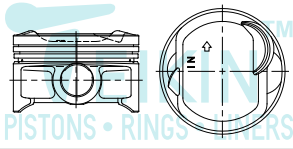
PISTON SET	RINGS	PIN
Ø 73.00 -5.0	1 - 1.2 1 - 1.0	Ø 19.960 TL 46.00
CD 28.60		
TL 44.50	1 - 2.0	
TEIKIN NO. 38210		**TEIKIN NO.** P 38186
REFERENCE NO. 13010-59B-J00		

8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

L13A4 — 1339 cc — 4 cyl.

PISTON SET	RINGS	PIN
Ø 73.00	1 - 1.0	Ø 18.000
+2.7	1 - 1.2	TL 54.00
CD 26.20		
TL 44.70	1 - 2.0	
TEIKIN NO. 38657	**TEIKIN NO.** R 38182	**TEIKIN NO.** P 58107
REFERENCE NO. 13010-PWH-M00	**REFERENCE NO.** 13011-REA-Z01, 13021-REA-Z01	

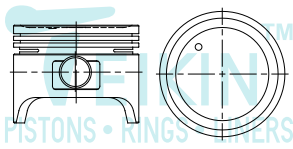


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

9

ED1 — 1488 cc — 4 cyl.
1974-79

PISTON SET	RINGS	PIN
Ø 74.00	2 - 1.5	Ø 17.000
-1.4		TL 62.00
CD 27.70		
TL 57.60	1 - 4.0	
TEIKIN NO. 38112	**TEIKIN NO.** R 38166	**TEIKIN NO.** P 38109
REFERENCE NO. 13101-657-020, 13101-657-030, 13101-663-670	**REFERENCE NO.** 13011-657-405/670/671, 13011-657-673/4/5, 13011-PA6-004, 13021-PE3-004	

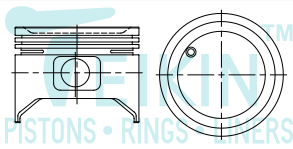


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 18.00 mm

10

EF1 — 1599 cc — 4 cyl.
1976 - 78

PISTON SET	RINGS	PIN
Ø 74.00	2 - 1.5	Ø 17.000
-2.6		TL 62.00
CD 27.50		
TL 57.50	1 - 4.0	
TEIKIN NO. 38166 (38601)	**TEIKIN NO.** R 38166	**TEIKIN NO.** P 38109
REFERENCE NO. 13101-671-000, 13101-671-010	**REFERENCE NO.** 13011-657-405/670/671, 13011-657-673/4/5, 13011-PA6-004, 13021-PE3-004	

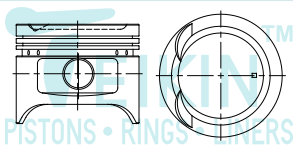


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 18.00 mm

11

EV — 1342 cc — 4 cyl.

PISTON SET	RINGS	PIN
Ø 74.00	2 - 1.5	Ø 19.000
-2.9		TL 56.00
CD 29.90		
TL 59.90	1 - 4.0	
TEIKIN NO. 38600 (38164)	**TEIKIN NO.** R 38166	**TEIKIN NO.** P 38145
REFERENCE NO. 13101-PE7-000	**REFERENCE NO.** 13011-657-405/670/671, 13011-657-673/4/5, 13011-PA6-004, 13021-PE3-004	



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.00 mm

12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

EW — 1488 cc — 4 cyl.

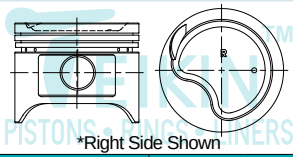
CIVIC, CRX DX
CARB, SOHC 16V
1984-87

Ø	74.00	-4.6
CD	29.70	
TL	59.70	

RINGS: 2 - 1.2 / 1 - 2.8

PIN: Ø 19.000 / TL 56.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38603 (38160)	R 38603	P 38145



*Right Side Shown

REFERENCE NO.	REFERENCE NO.
13101-PE1-000(R)	13011-PA6-014
13105-PE1-000(L)	13011-PE1-004
	13011-PE7-014

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.50 mm

13

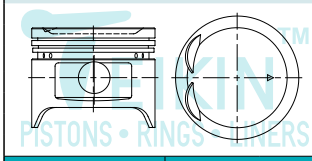
EW-II — 1488 cc — 4 cyl.

Ø	74.00	-3.7
CD	29.70	
TL	59.60	

RINGS: 2 - 1.5 / 1 - 4.0

PIN: Ø 19.000 / TL 56.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38605 (38163)	R 38166	P 38145



REFERENCE NO.	REFERENCE NO.
13101-PE4-000	13011-657-405/670/671
	13011-657-673/4/5
	13011-PA6-004
	13021-PE3-004

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.00 mm

14

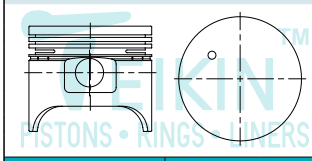
EM1 — 1488 cc — 4 cyl.

Ø	74.00	
CD	27.70	
TL	62.70	

RINGS: 2 - 1.5 / 1 - 4.0

PIN: Ø 17.000 / TL 62.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38650	R 38166	P 38109



REFERENCE NO.	REFERENCE NO.
13101-PA6-000	13011-657-405/670/671
13101-PA6-305	13011-657-673/4/5
	13011-PA6-004
	13021-PE3-004

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 19.00 mm

15

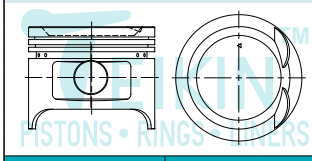
D15A3 EW4 — 1488 cc — 4 cyl.

Ø	74.00	-5.2
CD	29.70	
TL	59.80	

RINGS: 2 - 1.5 / 1 - 4.0

PIN: Ø 19.000 / TL 56.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38663	R 38166	P 38145



REFERENCE NO.	REFERENCE NO.
13101-PE4-730	13011-657-405/670/671
	13011-657-673/4/5
	13011-PA6-004
	13021-PE3-004

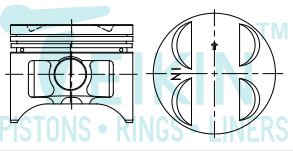
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 15.00 mm

16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

D15B2 / D15B1 — 1493 cc — 4 cyl.

CIVIC CRX
F.I., SOHC 4, 16 V
1988-91



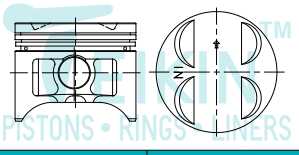
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 13.50 mm

PISTON SET	RINGS	PIN
Ø 75.00 -4.1	1 - 1.2 1 - 1.5	Ø 19.000 TL 56.00
CD 30.85 TL 60.85	1 - 2.8	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
38145	**R 38145**	**P 38145**
REFERENCE NO.	**REFERENCE NO.**	
13101-PM3-000	13011-PJ1-752	
13101-PM3-010	13011-PM1-004	
13101-PM3-020	13011-PM3-004	
	13011-PM5-A02	

17

D16A6, ZC — 1590 cc — 4 cyl.

CIVIC Si, CRX Si
16 VALVE, F.I., SOHC 4
1988-91



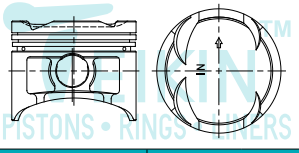
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 13.50 mm

PISTON SET	RINGS	PIN
Ø 75.00 -4.1	1 - 1.2 1 - 1.5	Ø 19.000 TL 56.00
CD 30.85 TL 60.85	1 - 2.8	
TEIKIN NO.		**TEIKIN NO.**
38146		**P 38145**
REFERENCE NO.		

18

D16Z6 — 1590 cc — 4 cyl.

CIVIC VTEC
F.I., SOHC, 16 V
1992-95



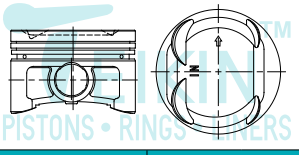
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 15.30 mm

PISTON SET	RINGS	PIN
Ø 75.00 -3.5	1 - 1.2 1 - 1.5	Ø 19.000 TL 56.00
CD 30.10 TL 60.00	1 - 2.8	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
38149	**R 38149**	**P 38145**
REFERENCE NO.	**REFERENCE NO.**	
13010-P28-A01	13011-P28-A02	
13101-P28-A01		

19

D16Y8 — 1590 cc — 4 cyl.

CIVIC 1995 - 99
DEL SOL 1996 - 97
F.I., SOHC



Surface Treatment	Bore Clearance
None	MRC: 0.020 mm MP: 7.00 mm

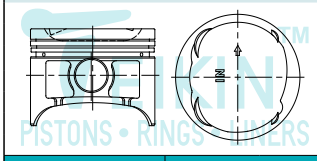
PISTON SET	RINGS	PIN
Ø 75.00 -2.2	1 - 1.0 1 - 1.2	Ø 19.000 TL 56.00
CD 29.30 TL 49.35	1 - 2.8	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
38153	**R 38153**	**P 38145**
REFERENCE NO.	**REFERENCE NO.**	
13010-P2P-000	13011-P07-004	
13101-P2P-000	13011-P08-004	
	13011-PJ1-Y01	

20

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

D15Z1 — 1493 cc — 4 cyl.

CIVIC [VX], VTEC
SOHC 16 V
1992-95



Ø	75.00	-7.2
CD	27.80	
TL	57.80	

RINGS
1 - 1.0
1 - 1.2
1 - 2.8

PIN	
Ø	19.000
TL	56.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38159	R 38153	P 38145

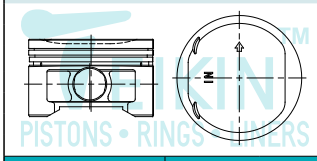
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 15.50 mm

REFERENCE NO.	REFERENCE NO.
13010-P07-000	13011-P07-004
13010-P07-010	13011-P08-004
13101-P07-000	13011-PJ1-Y01
13101-P07-010	

21

D17A2 — 1700 cc — 4 cyl.

SOHC 16V
2001-02
VTEC Civic 01-05



Ø	75.00	-2.6
CD	26.90	
TL	46.40	

RINGS
1 - 1.0
1 - 1.2
1 - 2.0

PIN	
Ø	19.000
TL	56.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38169	R 38170	P 38145

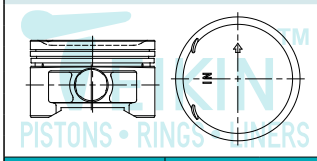
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 7.30 mm

REFERENCE NO.	REFERENCE NO.
13010-PLR-A00	13011-PLM-A00
13020-PLR-A00	13011-PLR-004
13030-PLR-A00	13011-PLR-A00
	13011-PLK-004

22

D17A1 — 1700 cc — 4 cyl.

SOHC 16V
2001-02



Ø	75.00	-3.0
CD	27.00	
TL	46.60	

RINGS
1 - 1.0
1 - 1.2
1 - 2.0

PIN	
Ø	19.000
TL	56.00

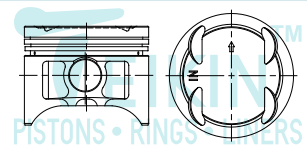
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38170	R 38170	P 38145

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 7.30 mm

REFERENCE NO.	REFERENCE NO.
13010-PLM-A00	13011-PLM-A00
13101-PLM-A00	13011-PLR-004
13020-PLM-A00	13011-PLR-A00
13030-PLM-A00	13011-PLK-004

23

D16A6-II — 1590 cc — 4 cyl.



Ø	75.00	-1.0
CD	29.50	
TL	59.60	

RINGS
1 - 1.2
1 - 1.5
1 - 2.8

PIN	
Ø	19.000
TL	56.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38173	R 38606	P 38145

Surface Treatment	Bore Clearance
None	MRC: 0.020 mm MP: 13.50 mm

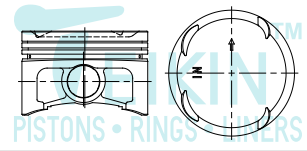
REFERENCE NO.	REFERENCE NO.
13101-PM6-000	13011-PG6-004
13101-PM6-010	13011-PM6-G02
13101-PM6-K00	13021-PG6-004
	13031-PG6-004

24

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

D16Y7 — 1590 cc — 4 cyl.

Ø	75.00	-3.5	1 - 1.0	1 - 1.2	1 - 2.8	Ø	19.000	TL	56.00	CD	30.00	TL	50.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38181	R 38153	P 38145

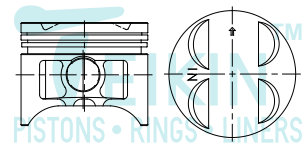
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 7.00 mm

REFERENCE NO.	REFERENCE NO.
13010-P2E-000 13101-P2E-000	13011-P07-004 13011-P08-004 13011-PJ1-Y01

25

D15B-II — 1500 cc — 4 cyl.

Ø	75.00	-4.3	1 - 1.2	1 - 1.5	1 - 4.0	Ø	19.000	TL	56.00	CD	30.90	TL	60.90



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38187	R 38656	P 38145

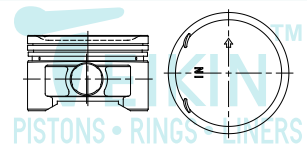
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 13.50 mm

REFERENCE NO.	REFERENCE NO.
13101-PM3-P02 13101-PM3-P01 13101-P02-101 13101-PM3-P00	13011-PM0-B01 13011-PM0-B02 13011-PM0-B03

26

D17A — 4 cyl.

Ø	75.00	-3.0	1 - 1.0	1 - 1.2	1 - 2.8	Ø	19.000	TL	56.00	CD	27.00	TL	46.60



TEIKIN NO.	TEIKIN NO.
38200	P 38145

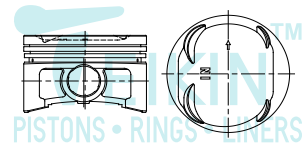
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 7.30 mm

REFERENCE NO.
13010-PLR-Y00

27

D16Y8-II — 4 cyl.

Ø	75.00	-3.0	1 - 1.2	1 - 1.5	1 - 2.8	Ø	19.000	TL	56.00	CD	29.20	TL	49.30



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38202	R 38202	P 38145

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 7.00 mm

REFERENCE NO.	REFERENCE NO.
13010-P2M-Y00	

28

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

D16W7 — 1590 cc — 4 cyl.

HONDA CIVIC - CRV (01-)
SOCH 16V

Ø	75.00	-0.8
CD	29.20	
TL	48.80	

RINGS
1 - 1.0
1 - 1.2
1 - 2.0

Ø	19.000
TL	56.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38207	R 38170	P 38145

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 6.50 mm

REFERENCE NO.	REFERENCE NO.
13010-PLH-G00	13011-PLM-A00
13020-PLH-G00	13011-PLR-004
13030-PLH-G00	13011-PLR-A00
	13011-PLK-004

29

D16A — 1590 cc — 4 cyl.

Ø	75.00	+2.9
CD	30.10	
TL	63.00	

RINGS
1 - 1.2
1 - 1.5
1 - 2.8

Ø	19.000
TL	56.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38606 (38167)	R 38606	P 38145

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.00 mm

REFERENCE NO.	REFERENCE NO.
13101-PM7-000	13011-PG6-004
13101-PM7-010	13011-PM6-G02
13101-P29-000	13021-PG6-004
	13031-PG6-004

30

D15 — 1493 cc — 4 cyl.

Ø	75.00	+1.0
CD	30.80	
TL	61.80	

RINGS
1 - 1.2
1 - 1.5
1 - 4.0

Ø	19.000
TL	56.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38656	R 38656	P 38145

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.00 mm

REFERENCE NO.	REFERENCE NO.
13101-PM3-K00	13011-PM0-B01
	13011-PM0-B02
	13011-PM0-B03

31

D16A-II — 1590 cc — 4 cyl.

Ø	75.00	+0.7
CD	30.00	
TL	60.70	

RINGS
1 - 1.2
1 - 1.5
1 - 2.8

Ø	19.000
TL	56.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38665	R 38606	P 38145

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.00 mm

REFERENCE NO.	REFERENCE NO.
13101-PG6-000	13011-PG6-004
13101-PR3-003	13011-PM6-G02
13102-PG6-000	13021-PG6-004
13013-PG6-000	13031-PG6-004

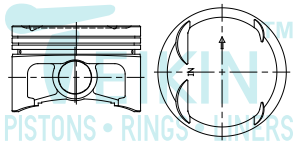
32

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

D13 — 1343 cc — 4 cyl.

CIVIC DX 88-95

PISTON SET	RINGS	PIN
Ø 75.00	1 - 1.2	Ø 19.000
-1.0	1 - 1.5	TL 55.00
CD 31.00		
TL 51.00	1 - 2.8	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
38666	**R 38145**	**P 44695**
REFERENCE NO.	**REFERENCE NO.**	
13010-P3R-T00	13011-PJ1-752	
13020-P2A-000	13011-PM1-004	
13030-P2A-000	13011-PM3-004	
	13011-PM5-A02	

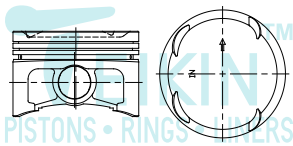


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 6.00 mm

33

D15-II — 1493 cc — 4 cyl.

PISTON SET	RINGS	PIN
Ø 75.00	1 - 1.2	Ø 19.000
-3.1	1 - 1.5	TL 56.00
CD 27.80		
TL 47.80	1 - 2.8	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
38667	**R 38145**	**P 38145**
REFERENCE NO.	**REFERENCE NO.**	
13010-P2C-Y00	13011-PJ1-752	
	13011-PM1-004	
	13011-PM3-004	
	13011-PM5-A02	



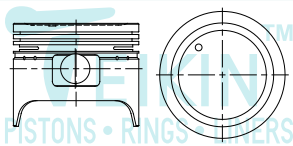
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 6.00 mm

34

EK-1 — 1750 cc — 4 cyl.

ED-3

PISTON SET	RINGS	PIN
Ø 77.00	2 - 1.5	Ø 18.000
-1.1		TL 70.00
CD 27.60		
TL 62.60	1 - 4.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
38114	**R 38114**	**P 38114**
REFERENCE NO.	**REFERENCE NO.**	
13101-689-000	13011-676-601/2/4/42	
	13011-689-003/5/13/15	
	13011-PB1-003	
	13011-PC3-601/2/3	

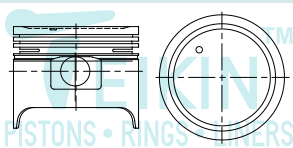


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm
	MP: 18.50 mm

35

EK-1-III — 4 cyl.

PISTON SET	RINGS	PIN
Ø 77.00	2 - 1.5	Ø 18.000
-1.1		TL 70.00
CD 27.50		
TL 62.50	1 - 4.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
38179	**R 38114**	**P 38114**
REFERENCE NO.	**REFERENCE NO.**	
13101-689-000	13011-676-601/2/4/42	
	13011-689-003/5/13/15	
	13011-PB1-003	
	13011-PC3-601/2/3	

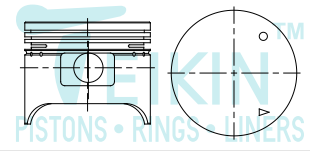


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 18.50 mm

36

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

EP 1601 cc — 4 cyl.

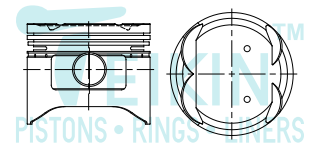


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.00 mm

Ø 77.00	2 - 1.5	Ø 18.000
		TL 62.00
CD 28.00		
TL 62.50	1 - 4.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
38652	**R 38114**	**P 38652**
REFERENCE NO.	**REFERENCE NO.**	
13101-PC1-000	13011-676-601/2/4/42	
13101-PC1-010	13011-689-003/5/13/15	
13101-PC3-600	13011-PB1-003	
	13011-PC3-601/2/3	

37

ES 1829 cc — 4 cyl.

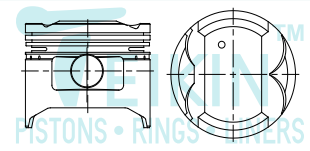


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.00 mm

Ø 80.00 -1.3	2 - 1.5	Ø 20.000
		TL 62.00
CD 29.80		
TL 65.30	1 - 4.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
38602	**R 38602**	**P 38129**
REFERENCE NO.	**REFERENCE NO.**	
13101-PD3-000	13011-PC6-004/13	
13102-PD3-000	13011-PC7-004/23	
13103-PD3-010	13011-PD6-003/4	
13105-PD3-010	13011-PH1-003	

38

ES-II 1829 cc — 4 cyl.

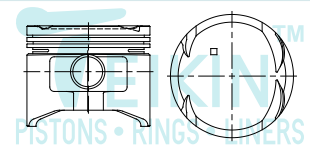


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 8.00 mm

Ø 80.00 +1.5	2 - 1.5	Ø 20.000
		TL 62.00
CD 29.80		
TL 66.80	1 - 4.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
38604 (38162)	**R 38602**	**P 38129**
REFERENCE NO.	**REFERENCE NO.**	
13101-PD5-000	13011-PC6-004/13	
13101-PD5-010	13011-PC7-004/23	
	13011-PD6-003/4	
	13011-PH1-003	

39

ES1 1829 cc — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 9.00 mm

Ø 80.00 -2.0	2 - 1.5	Ø 20.000
		TL 62.00
CD 29.80		
TL 65.30	1 - 4.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
38655	**R 38602**	**P 38129**
REFERENCE NO.	**REFERENCE NO.**	
13101-PC7-000	13011-PC6-004/13	
13101-PC7-730	13011-PC7-004/23	
13101-PC7-731	13011-PD6-003/4	
13102-PC7-000	13011-PH1-003	
13102-PC7-731		

40

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

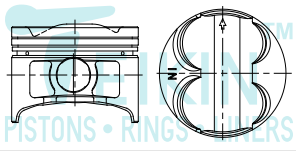
B18C1 — 1797 cc — 4 cyl.

INTEGRA TYPE R MODE
F.I., DOHC, 16 V

Ø	81.00	+1.8
CD	30.40	
TL	62.20	

RINGS	
1 - 1.0	
1 - 1.2	
1 - 2.8	

PIN	
Ø	21.000
TL	56.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38151	R 38155	P 38151

REFERENCE NO.	REFERENCE NO.
13010-P73-A00	13011-PR3-003/4 13011-PR4-A01/2 13011-PR4-Y02

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.020 mm MP: 14.70 mm

41

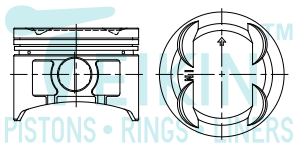
B18B1 — 1834 cc — 4 cyl.

INTEGRA
GS, LS, RS, SE
F.I., DOHC, 16 V
1994-99

Ø	81.00	-1.4
CD	30.00	
TL	60.00	

RINGS	
1 - 1.0	
1 - 1.2	
1 - 2.8	

PIN	
Ø	21.000
TL	56.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38152	R 38155	P 38151

REFERENCE NO.	REFERENCE NO.
13010-P54-000 13101-PR4-010 13101-PR4000	13011-PR3-003/4 13011-PR4-A01/2 13011-PR4-Y02

Surface Treatment	Bore Clearance
None	MRC: 0.020 mm MP: 14.00 mm

42

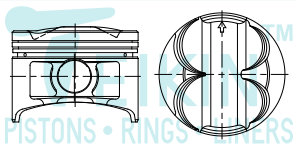
B16A2 — 1595 cc — 4 cyl.

DEL SOL
CIVIC Si
VTEC, F.I., DOHC 16 V
1996-2000

Ø	81.00	+2.6
CD	30.00	
TL	62.60	

RINGS	
1 - 1.0	
1 - 1.2	
1 - 2.8	

PIN	
Ø	21.000
TL	56.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38155	R 38155	P 38151

REFERENCE NO.	REFERENCE NO.
13010-P30-G00 13020-P30-G00	13011-PR3-003/4 13011-PR4-A01/2 13011-PR4-Y02

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.50 mm

43

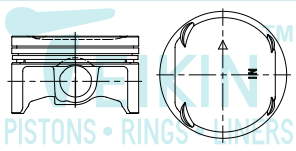
R20A — 2000 cc — 4 cyl.

ACCORD ~ CIVIC
CR-V ~ STREAM
(06-12)
SOHC 16V

Ø	81.00	-2.1
CD	28.80	
TL	49.30	

RINGS	
2 - 1.2	
1 - 2.0	

PIN	
Ø	19.960
TL	46.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38186	R 38659	P 38186

REFERENCE NO.	REFERENCE NO.
13010-RNA-Y00 13020-RNA-Y00	13011-RNA-A01/2 13011-RNB-A01 13021-RNA-A01/2

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 8.00 mm

44

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

R16A — 1595 cc — 4 cyl.

CIVIC 06-11
SOHC 16V

Ø	81.00	+2.0
CD	28.60	
TL	51.00	

2 - 1.2
1 - 2.0

Ø 19.960
TL 46.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38208	R 38659	P 38186

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 8.00 mm

REFERENCE NO.	REFERENCE NO.
13010-RNF-E00 13010-RNF-E04	13011-RNA-A01/2 13011-RNB-A01 13021-RNA-A01/2

45

R18A1/A2 — 1799 cc — 4 cyl.

CIVIC - FR-V
SOHC 16V
2006 - 2009
Civic 06-11

Ø	81.00	-2.2
CD	28.90	
TL	49.40	

2 - 1.2
1 - 2.0

Ø 19.960
TL 46.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38659	R 38659	P 38186

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 8.00 mm

REFERENCE NO.	REFERENCE NO.
13010-RNA-A00 13020-RNA-A00 13010-R1A-A00	13011-RNA-A01/2 13011-RNB-A01 13021-RNA-A01/2

46

B20A5 — 1958 cc — 4 cyl.

Ø	81.00	-2.0
CD	30.90	
TL	65.40	

1 - 1.2
1 - 1.5
1 - 2.8

Ø 22.000
TL 57.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38660	R 38660	P 38660

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.50 mm

REFERENCE NO.	REFERENCE NO.
13101-PK2-660 13101-PK2-662	13011-PJ5-601/2 13011-PH3-003/4/901 131011-PH5-003 13011-PK1-003/4/751/752

47

B20A3 — 1958 cc — 4 cyl.

Ø	81.00	-2.0
CD	29.80	
TL	65.20	

1 - 1.2
1 - 1.5
1 - 2.8

Ø 20.000
TL 62.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38664	R 38660	P 38129

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.00 mm

REFERENCE NO.	REFERENCE NO.
13101-PK1-000/010	13011-PJ5-601/2 13011-PH3-003/4/901 131011-PH5-003 13011-PK1-003/4/751/752

48

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

B18A1 — 1834 cc — 4 cyl.

INTEGRA 92-93
DOHC 16V

Ø	81.00	-1.5
CD	30.00	
TL	60.00	

RINGS: 1 - 1.0 / 1 - 1.2 / 1 - 2.8

PIN: Ø 21.000 / TL 56.50

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38668	R 38155	P 38668

REFERENCE NO.	REFERENCE NO.
13101-PR4-000	13011-PR3-003/4
13102-PR4-000	13011-PR4-A01/2
	13011-PR4-Y02

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 15.00 mm

49

B18C1-II — 1797 cc — 4 cyl.

INTEGRA
DOHC

Ø	81.00	-3.3
CD	30.10	
TL	60.10	

RINGS: 1 - 1.0 / 1 - 1.2 / 1 - 2.8

PIN: Ø 21.000 / TL 56.50

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38669	R 38155	P 38668

REFERENCE NO.	REFERENCE NO.
13010-P72-A00	13011-PR3-003/4
13020-P72-A00	13011-PR4-A01/2
	13011-PR4-Y02

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 14.00 mm

50

BS / A20A1 — 1955 cc — 4 cyl.

BT / A20A3
1986-89
ACCORD
1986-89
PRELUDE, CARB, SOHC 4

Ø	82.70	-2.4
CD	29.80	
TL	65.30	

RINGS: 2 - 1.5 / 1 - 4.0

PIN: Ø 20.000 / TL 62.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38129	R 38654	P 38129

REFERENCE NO.	REFERENCE NO.
13101-PJ0-660	13011-PH4-003/4
13101-PJ0-661	13011-PH4-601/2/51
13101-PH4-010	13011-PH4-751/2
13101-PJ0-010	13021-PH4-003/4/601/602

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.85 mm

51

A20A BS-II — 1955 cc — 4 cyl.

Ø	82.70	-2.4
CD	29.80	
TL	65.30	

RINGS: 2 - 1.5 / 1 - 4.0

PIN: Ø 20.000 / TL 62.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38654	R 38654	P 38129

REFERENCE NO.	REFERENCE NO.
13101-PH4-000	13011-PH4-003/4
	13011-PH4-601/2/51
	13011-PH4-751/2
	13021-PH4-003/4/601/602

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.85 mm

52

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

B21A1 — 2056 cc — 4 cyl.

PRELUDE, F.I., DOHC4
1990-91

Ø	83.00	-0.8
CD	30.85	
TL	65.35	

2 - 1.2
1 - 2.8

Ø 22.000
TL 56.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38148	R 38148	P 34101

REFERENCE NO.	REFERENCE NO.
13101-PK3-A01	13011-PK3-A04

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 16.00 mm

53

B20B4 — 1972 cc — 4 cyl.

CRV
F.I., DOHC 16V
1997-98

Ø	84.00	-4.1
CD	29.60	
TL	59.60	

2 - 1.2
1 - 2.8

Ø 21.000
TL 56.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38154	R 38154	P 38151

REFERENCE NO.	REFERENCE NO.
13010-P3F-A00	13011-P3F-003
13020-P3F-000	13021-P3F-003
13101-P3F-A00	

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 14.50 mm

54

B20Z2 — 1997 cc — 4 cyl.

DOHC 16V
1999-2001

Ø	84.00	-0.8
CD	29.60	
TL	59.60	

2 - 1.2
1 - 2.8

Ø 21.000
TL 56.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38171	R 38154	P 38151

REFERENCE NO.	REFERENCE NO.
13010-PHK-000	13011-P3F-003
13101-PHK-000	13021-P3F-003

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 14.50 mm

55

F18A — 2000 cc — 4 cyl.

Ø	85.00	-2.5
CD	30.80	
TL	65.30	

2 - 1.2
1 - 2.8

Ø 22.000
TL 56.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38150	R 38150	P 34101

REFERENCE NO.	REFERENCE NO.
13101-PT1-010	13011-P0A-004
13101-PT1-000	13011-PT0-B01/2/3/4
13101-PT5-000	13011-PT1-004/G02
	13011-PT2-003/4

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.00 mm

56

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

F22A — 2156 cc — 4 cyl.

Ø	85.00	-4.0
CD	30.70	
TL	65.20	

RINGS: 2 - 1.2 / 1 - 2.8

PIN: Ø 22.000, TL 56.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38651 (38161)	R 38150	P 34101

REFERENCE NO.	REFERENCE NO.
13101-PT3-A01	13011-P0A-004 13011-PT0-B01/2/3/4 13011-PT1-004/G02 13011-PT2-003/4

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.00 mm

57

F23A5 — 2254 cc — 4 cyl.

ODYSSEY, ACCORD
1998-2001
F.I. SOHC 16V

Ø	86.00	-4.3
CD	30.00	
TL	51.50	

RINGS: 2 - 1.2 / 1 - 2.8

PIN: Ø 21.965, TL 54.00

TEIKIN NO.	TEIKIN NO.
38172	P 38172

REFERENCE NO.
13010-PAB-A00

Surface Treatment	Bore Clearance
None	MRC: 0.020 mm MP: 6.00 mm

58

F23A1 — 2254 cc — 4 cyl.

F23A4 / F23A7
ACCORD (LX, EX, VP) 98-02
F.I. SOHC 16V
ODYSSEY 98
VTEC

Ø	86.00	-3.1
CD	30.10	
TL	51.60	

RINGS: 2 - 1.2 / 1 - 2.8

PIN: Ø 21.965, TL 54.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38180	R 38180	P 38172

REFERENCE NO.	REFERENCE NO.
13010-PAA-A00 13010-PEA-A00 13020-PAA-A00 13030-PAA-A00 13030-PAB-A00	13011-PAA-Y01 13011-PEA-003/4 13011-PN8-P01 13011-PNB-G01

Surface Treatment	Bore Clearance
None	MRC: 0.020 mm MP: 6.00 mm

59

K20A3 — 1998 cc — 4 cyl.

CIVIC[SI] 2002-2005
VTEC
DOHC 16V
ACCURA RSX 2002-2005

Ø	86.00	+2.5
CD	29.50	
TL	54.00	

RINGS: 2 - 1.2 / 1 - 2.0

PIN: Ø 21.965, TL 52.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
38185	R 38190	P 38174

REFERENCE NO.	REFERENCE NO.
13010-PNC-010 13010-PNC-000 13020-PNC-000 13030-PNC-000	13011-PNE-G02 13011-PNF-G01 13011-PRA-E02 13021-PNF-G01

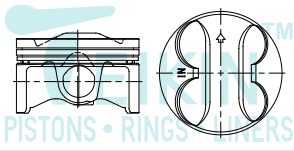
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 8.50 mm

60

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

K20A2 — 2000 cc — 4 cyl.

RSX TYPE S 2002-2006
CIVIC SI 2006
CSX TYPE S
CIVIC TYPE S 2007

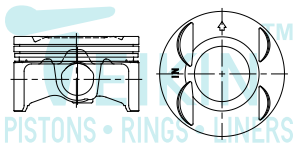


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 8.50 mm

PISTON SET	RINGS	PIN
Ø 86.00 +3.8	2 - 1.2	Ø 21.965
CD 30.00		TL 52.00
TL 55.80	1 - 2.0	
TEIKIN NO. 38190	TEIKIN NO. R 38190	TEIKIN NO. P 38174
REFERENCE NO. 13020-PRB-A01 13010-PRB-A01 13030-PRB-A01	REFERENCE NO. 13011-PNE-G02 13011-PNF-G01 13011-PRA-E02 13021-PNF-G01	

61

K20A5 — 4 cyl.



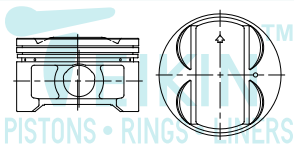
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 8.50 mm

PISTON SET	RINGS	PIN
Ø 86.00 -0.9	2 - 1.2	Ø 21.965
CD 29.50		TL 52.00
TL 51.50	1 - 2.8	
TEIKIN NO. 38199	TEIKIN NO. R 38199	TEIKIN NO. P 38174
REFERENCE NO. 13010-PNB-P01	REFERENCE NO.	

62

J30A4 — 2977 cc — 6 cyl.

V6 3.0L
2003-2005 ACCORD EX,LX
SOHC 24V



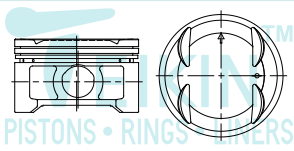
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

PISTON SET	RINGS	PIN
Ø 86.00 +0.7	2 - 1.2	Ø 21.965
CD 30.00		TL 54.00
TL 52.20	1 - 2.8	
TEIKIN NO. 38178	TEIKIN NO. R 38178	TEIKIN NO. P 38172
REFERENCE NO. 13010-RCA-A00	REFERENCE NO. 13011-P8A-A01 13011-RCA-A01 13011-RDV-J01	

63

J30A — 6 cyl.

ACCORD
(98-02)
DOHC 24V
ACCORD LX



Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 7.00 mm

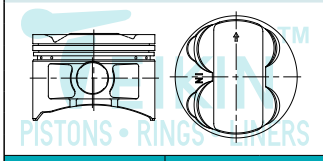
PISTON SET	RINGS	PIN
Ø 86.00 -0.9	2 - 1.2	Ø 21.965
CD 30.00		TL 54.00
TL 51.50	1 - 2.8	
TEIKIN NO. 38195	TEIKIN NO. R 38178	TEIKIN NO. P 38172
REFERENCE NO. 13010-P8A-A00	REFERENCE NO. 13011-P8A-A01 13011-RCA-A01 13011-RDV-J01	

64

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

H22A1 — 2157 cc — 4 cyl.

PRELUDE [Si]
VTEC, DOHC 16V
1993-96



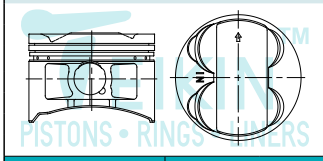
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 87.00 +0.8 CD 31.00 TL 61.80	2 - 1.2 1 - 2.8	Ø 22.000 TL 56.00				
TEIKIN NO. 38156	TEIKIN NO. R 38156	TEIKIN NO. P 34101				
REFERENCE NO. 13010-P13-A00	REFERENCE NO. 13011-P13-003/4 13011-P5M-003/013 13021-P13-003/4					

65

H22A4 — 2157 cc — 4 cyl.

PRELUDE [Si]
VTEC, DOHC 16V
1997-98



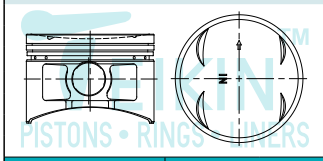
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.70 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 87.00 +0.8 CD 31.00 TL 61.80	2 - 1.2 1 - 2.8	Ø 21.965 TL 57.00				
TEIKIN NO. 38157	TEIKIN NO. R 38156	TEIKIN NO. P 38157				
REFERENCE NO. 13010-P5M-A00 13101-P5M-A00	REFERENCE NO. 13011-P13-003/4 13011-P5M-003/013 13021-P13-003/4					

66

H23A1 — 2259 cc — 4 cyl.

PRELUDE [Si, SE]
DOHC 16V
1992-96



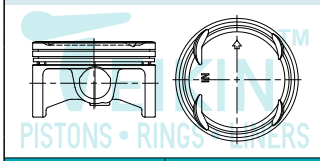
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 87.00 -3.1 CD 30.50 TL 60.50	2 - 1.2 1 - 2.8	Ø 22.000 TL 56.00				
TEIKIN NO. 38158	TEIKIN NO. R 38156	TEIKIN NO. P 34101				
REFERENCE NO. 13010-P14-A00 13020-P14-A00 13030-P14-A00 13101-P14-A00	REFERENCE NO. 13011-P13-003/4 13011-P5M-003/013 13021-P13-003/4					

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K24A1 — 2400 cc — 4 cyl.

K24Z
DOHC 16V 2.4L
2002-2005 CR-V EX, CR-V LX
2005 CR-V SE



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 11.00 mm

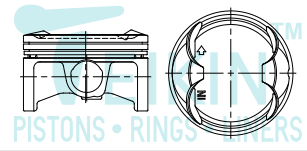
PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 87.00 -2.6 CD 29.60 TL 53.60	2 - 1.2 1 - 2.0	Ø 21.965 TL 52.00				
TEIKIN NO. 38174	TEIKIN NO. R 38174	TEIKIN NO. P 38174				
REFERENCE NO. 13010-PPA-000 13010-PPA-010 13011-PPA-010 13020-PPA-010 13010-RAD-Y01	REFERENCE NO. 13011-PPA-003/4 13011-RAA-A01 13011-RAD-004 13021-PPA-003					

68

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

K24A4 — 2400 cc — 4 cyl.

DOHC 16V 2.4L
ELEMENT
2003-2005 ACCORD DX,EX,LX

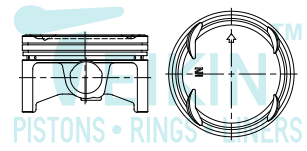


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 11.00 mm

PISTON SET	RINGS	PIN
Ø 87.00 +3.2	2 - 1.2	Ø 21.965
CD 29.50		TL 52.00
TL 56.60	1 - 2.0	
TEIKIN NO. 38175	TEIKIN NO. R 38174	TEIKIN NO. P 38174
REFERENCE NO. 13010-RAA-A00 13010-RAA-A01 13020-RAA-A01	REFERENCE NO. 13011-PPA-003/4 13011-RAA-A01 13011-RAD-004 13021-PPA-003	

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K24A4-II — 2400 cc — 4 cyl.



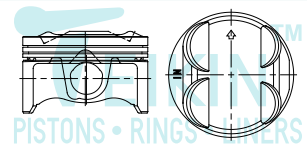
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 11.00 mm

PISTON SET	RINGS	PIN
Ø 87.00 -2.6	2 - 1.2	Ø 21.965
CD 29.60		TL 52.00
TL 53.60	1 - 2.8	
TEIKIN NO. 38184	TEIKIN NO. R 38156	TEIKIN NO. P 38174
REFERENCE NO. 13010-RAF-S01	REFERENCE NO. 13011-P13-003/4 13011-P5M-003/013 13021-P13-003/4	

70

K24Z3 — 2400 cc — 4 cyl.

ACURA TSX 09-



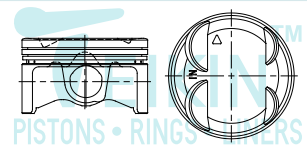
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 8.50 mm

PISTON SET	RINGS	PIN
Ø 87.00 +3.6	2 - 1.2	Ø 21.965
CD 29.20		TL 52.00
TL 56.80	1 - 2.0	
TEIKIN NO. 38188		TEIKIN NO. P 38174
REFERENCE NO. 13010-RL5-A00		

71

K24A2 — 2400 cc — 4 cyl.

ACURA TSX 04-05



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 8.00 mm

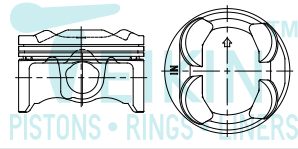
PISTON SET	RINGS	PIN
Ø 87.00 -0.8	2 - 1.2	Ø 21.965
CD 30.00		TL 52.00
TL 52.00	1 - 2.5	
TEIKIN NO. 38189	TEIKIN NO. R 38189	TEIKIN NO. P 38174
REFERENCE NO. 13010-RBB-A00 13010-RBB-000 13010-RBB-010 13020-RBB-000 13030-RBB-000	REFERENCE NO. 13011-RBB-004 13011-RBB-006 13021-RBB-004 13021-RBB-006	

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ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

K24Z2 — 2354 cc — 4 cyl.

K24Z3
ACCORD
ODYSSEY
(08-)
DOHC 16V

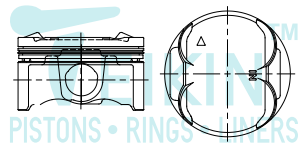


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.50 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 87.00 +4.2 CD 29.20 TL 57.40	2 - 1.2 1 - 2.0	Ø 21.965 TL 52.00				
TEIKIN NO. **38191**	**TEIKIN NO.** **R 38191**	**TEIKIN NO.** **P 38174**				
REFERENCE NO. 13010-R40-A00	**REFERENCE NO.** 13011-R40-A01 13011-R44-A01 13021-R40-A01 13021-R44-A01					

73

ACCORD — 4 cyl.

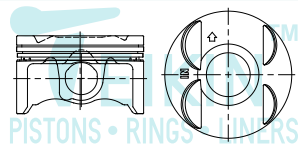


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 87.00 +3.5 CD 29.40 TL 53.90	1 - 1.2 1 - 1.0 1 - 2.0	Ø 21.965 TL 52.00				
TEIKIN NO. **38197**		**TEIKIN NO.** **P 38174**				
REFERENCE NO. 13010-5B0-Y00						

74

CRV / K24A — 4 cyl.

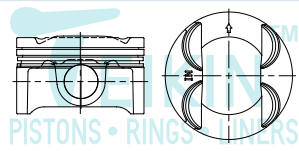


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.50 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 87.00 -1.0 CD 29.30 TL 53.30	2 - 1.2 1 - 2.0	Ø 21.965 TL 52.00				
TEIKIN NO. **38198**		**TEIKIN NO.** **P 38174**				
REFERENCE NO. 13010-RLF-000						

75

F20C1 — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated Moly Skirt	MRC: 0.030 mm MP: 7.50 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 87.00 +1.1 CD 30.00 TL 53.10	2 - 1.2 1 - 2.0	Ø 22.960 TL 56.00				
TEIKIN NO. **38204**		**TEIKIN NO.** **P 38204**				
REFERENCE NO. 13010-PCX-A01						

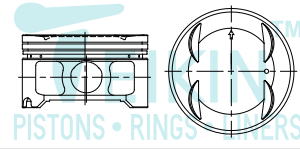
76

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
K24Z7 4 cyl.	Ø 87.00 +3.6 CD 29.20 TL 56.80	1 - 1.2 1 - 1.0 1 - 2.0	Ø 21.965 TL 52.00					
	TEIKIN NO. **38205**		TEIKIN NO. **P 38174**					
	REFERENCE NO. 13010-RL5-A10							
Surface Treatment: Moly Skirt	Bore Clearance: MRC: 0.030 mm MP: 8.50 mm							77
K24Y2 4 cyl.	Ø 87.00 -1.0 CD 29.30 TL 53.30	1 - 1.2 1 - 1.0 1 - 2.0	Ø 21.965 TL 52.00					
	TEIKIN NO. **38206**	TEIKIN NO. **R 38206**	TEIKIN NO. **P 38174**					
	REFERENCE NO. 13010-R5A-A10							
Surface Treatment: Moly Skirt	Bore Clearance: MRC: 0.030 mm MP: 7.50 mm							78
C27A4 2675 cc 6 cyl. ACURA C27A1 ACCORD 1995-97 F.I., SOHC 24V	Ø 87.00 -1.6 CD 31.50 TL 63.00	2 - 1.2 1 - 4.0	Ø 22.000 TL 56.00					
	TEIKIN NO. **38168**	TEIKIN NO. **R 38168**	TEIKIN NO. **P 34101**					
	REFERENCE NO. 13010-P0G-A00 13101-PL2-000	REFERENCE NO. 13011-PL2-003/4 13011-P0G-A01 13021-PL2-003/4 13031-PL2-003/4						
Surface Treatment: Tin Coated	Bore Clearance: MRC: 0.020 mm MP: 12.75 mm							79
J35A1 3474 cc 6 cyl. V6 F.I 3.5L 1999-2001 ODYSSEY EX,LX SOHC 24V	Ø 89.00 -2.4 CD 30.00 TL 51.50	2 - 1.2 1 - 2.8	Ø 21.965 TL 54.00					
	TEIKIN NO. **38176**	TEIKIN NO. **R 38176**	TEIKIN NO. **P 38172**					
	REFERENCE NO. 13010-P8F-A00 13101-P8F-A01 13101-P8F-A00	REFERENCE NO. 13011-P8F-A01 13011-P8F-Y01 13021-P8F-Y01 13031-P8F-Y01						
Surface Treatment: Moly Skirt	Bore Clearance: MRC: 0.030 mm MP: 7.00 mm							80

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

J35A3 — 3471 cc — 6 cyl.

V6 3.5L
2001 ACURA MDX, MDX TOURING
2002-2004 ODYSSEY EX,LX
2003-2004 PILOT
SOHC 24V



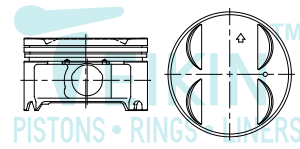
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 89.00 -1.2 CD 30.00 TL 51.50	2 - 1.2 1 - 2.8	Ø 21.965 TL 54.00				
TEIKIN NO. **38177**	TEIKIN NO. **R 38176**	TEIKIN NO. **P 38172**				
REFERENCE NO. 13010-PGK-A00 13010-PGK-A01 13010-RDJ-A00 13010-RGL-A00 13010-RGM-A00	REFERENCE NO. 13011-P8F-A01 13011-P8F-Y01 13021-P8F-Y01 13031-P8F-Y01					

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J35A7 — 3500 cc — 6 cyl.

3.5L V6



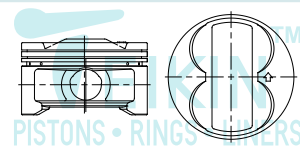
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 8.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 89.00 -0.5 CD 30.00 TL 51.50	2 - 1.2 1 - 2.8	Ø 21.965 TL 54.00				
TEIKIN NO. **38192**	TEIKIN NO. **R 38176**	TEIKIN NO. **P 38172**				
REFERENCE NO. 13010-R70-A00	REFERENCE NO. 13011-P8F-A01 13011-P8F-Y01 13021-P8F-Y01 13031-P8F-Y01					

82

J32A3 — 3200 cc — 6 cyl.

J32A4
3.2L V6



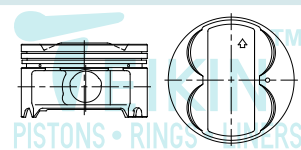
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 89.00 +2.6 CD 30.00 TL 54.10	2 - 1.2 1 - 2.8	Ø 21.965 TL 54.00				
TEIKIN NO. **38193**		TEIKIN NO. **P 38172**				
REFERENCE NO. 13010-RDA-A00						

83

J35A8 — 3500 cc — 6 cyl.

J35A3
3.5L V6



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 8.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 89.00 +0.9 CD 30.00 TL 52.40	2 - 1.2 1 - 2.8	Ø 21.965 TL 54.00				
TEIKIN NO. **38194**		TEIKIN NO. **P 38172**				
REFERENCE NO. 13010-RJA-A00 13020-RJA-A00						

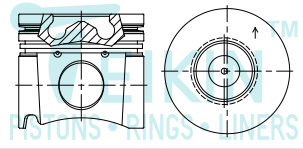
84

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
J35Z3 6 cyl.	Ø 89.00 / -1.5 CD 30.00 TL 51.50	2 - 1.2 1 - 2.8	Ø 21.965 TL 54.00					
	TEIKIN NO. 38196		TEIKIN NO. P 38172					
	REFERENCE NO. 13010-R72-A00							
Surface Treatment: Moly Skirt	Bore Clearance: MRC: 0.030 mm MP: 8.00 mm							85
C32A 3206 cc 6 cyl.	Ø 90.00 / -0.4 CD 30.90 TL 61.80	2 - 1.2 1 - 2.8	Ø 22.000 TL 57.00					
	TEIKIN NO. 38662	TEIKIN NO. R 38662	TEIKIN NO. P 38660					
	REFERENCE NO. 13101-PY3-A02 13101-PY3-A00 13101-PY3-000 13102-PY3-A02	REFERENCE NO. 13011-P5G-003 13011-PY3-003/4 13011-PY3-Y01/2 13011-PY3-003						
Surface Treatment: Tin Coated	Bore Clearance: MRC: 0.030 mm MP: 12.50 mm							86

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET

20T2N/20T2 TURBO — 1994 cc — 4 cyl.

ROVER
ACCORD 2.0 TDI
CIVIC 2.0 TDI



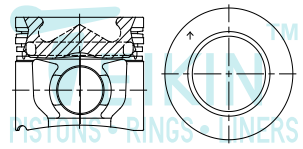
Surface Treatment	Bore Clearance
Chromated	MRC: 0.888 mm
Moly Skirt	MP: 10.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 84.45	1 - 3.0 FK	Ø 30.000		TL 158.5	158.5	TEIKIN NO.
-17.0	1 - 2.0	TL 70.00		OD 88.0	88.0	LKSF 38658A
CD 47.97				FT 4.0		LKSX 38658A
TL 76.97	1 - 3.0			FD 90.5		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
38658A	R 38658	P 38658	B 38658	LSF 38658 LSX 38658		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
13000-P5T-G00	13011-P5T-G00			K-89536190		
A-A350500						
K-94401600						
M-2014500						

87

N22A1/N22A2 — 2204 cc — 4 cyl.

ACCORD - CR-V 2.2D
I-CTDI



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.050 mm
	MP: 7.00 mm

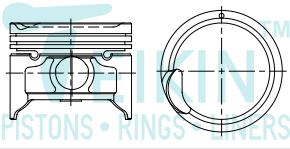
PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 85.00	1 - 2.0 FK	Ø 30.000		TL 165.0	165.0	TEIKIN NO.
-15.8	1 - 2.0	TL 69.00		OD 89.0	89.0	LKSF 38661AG
CD 47.00				FT 4.5		LKSX 38661AG
TL 73.00	1 - 3.0			FD 91.0		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
38661AG	R 38661	P 38661		LSF 38661 LSX 38661		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.		
13010-RMA-E00	1301-RMA-E01					
13020-RMA-E00	13011-RSR-E01					
13030-RMA-E00	13021-RMA-E01					
	13021-RSR-E01					

88

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

ATOZ-II 800 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 63.00	1 - 1.2	Ø 17.000		TL		122.0	TEIKIN NO.
-2.1	1 - 1.5	TL 46.50		OD		67.0	LKSX 51118
CD 26.00							
TL 50.00	1 - 2.8						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
51118	R 51118	P 51117		LSX 51118			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
23410-02510	23040-02500						
23410-02511	23040-02511						
23410-02901							
23410-02902							
23410-02903/4							



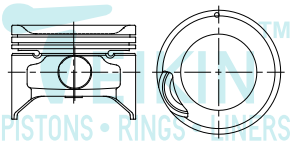
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 11.50 mm

1

ATOZ 1000 cc — 4 cyl.

55 HP G4HC
L4 SOHC 12 Valv.

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 66.00	2 - 1.2	Ø 17.000					
-4.5		TL 46.50					
CD 25.00							
TL 50.00	1 - 2.5						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.					
51117	R 51117	P 51117					
REFERENCE NO.	REFERENCE NO.						
23410-02710	23040-02700						
23410-02700	23040-02710						
23410-02720	23040-02931/2/5/6						
23410-02310							
23410-02610							

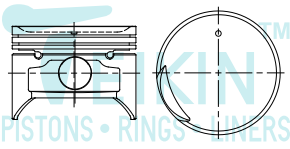


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 14.00 mm

2

SANTRO XING 1.0 1000 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 66.00	2 - 1.2	Ø 17.000					
-3.1		TL 45.00					
CD 25.00							
TL 49.70	1 - 2.5						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.					
51141	R 51141	P 48210					
REFERENCE NO.	REFERENCE NO.						
23410-02760							

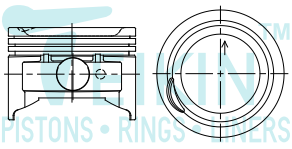


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 13.00 mm

3

SANTRO XING ERLX 1.1 L 1100 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 67.00	2 - 1.2	Ø 17.000					
-4.4		TL 46.50					
CD 24.50							
TL 48.50	1 - 2.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.					
51152	R 51152	P 51117					
REFERENCE NO.	REFERENCE NO.						



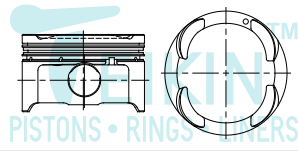
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 13.00 mm

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

KAPPA2 — 1197 cc — 4 cyl.

PISTON SET	RINGS	PIN
Ø 71.00	1 - 1.0	Ø 18.000
-2.2	1 - 1.2	TL 47.50
CD 26.20		
TL 44.20	1 - 2.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
51140	**R 51140**	**P 30110**
REFERENCE NO.	**REFERENCE NO.**	
23041-03140	23040-03000	



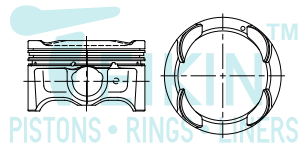
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Moly Skirt	MP: 6.50 mm

5

KAPPA 1.25 MPI — 1248 cc — 4 cyl.

HYUNDAI i10
PICANTO (2015-2017)
GRAND I10 14 (2013-2017)
I10 (2017-2019)
I20 (2014-2018)

PISTON SET	RINGS	PIN
Ø 71.00	1 - 1.0	Ø 18.000
-3.0	1 - 1.2	TL 47.50
CD 24.70		
TL 42.70	1 - 2.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
51156	**R 51140**	**P 30110**
REFERENCE NO.	**REFERENCE NO.**	
23041-03331	23040-03000	
23041-03330		
23041-03340		
23041-03350		

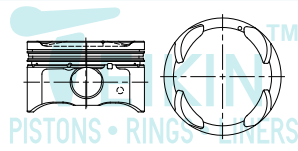


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Moly Skirt	MP: 7.50 mm

6

G4LA-II — 1248 cc — 4 cyl.

PISTON SET	RINGS	PIN
Ø 71.00	1 - 1.0	Ø 18.000
-3.0	1 - 1.2	TL 47.50
CD 24.70		
TL 42.70	1 - 2.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
51157	**R 51140**	**P 30110**
REFERENCE NO.	**REFERENCE NO.**	
23041-03230	23040-03000	
23041-03240	23040-03050	
23041-03250		



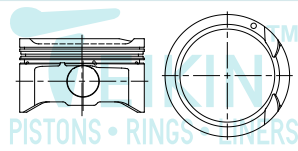
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Moly Skirt	MP: 6.00 mm

7

G4LA — 1248 cc — 4 cyl.

GETZ ~ I10 ~ I20
(08-10)
DOHC 16V

PISTON SET	RINGS	PIN
Ø 71.00	1 - 1.0	Ø 18.000
-3.0	1 - 1.2	TL 47.50
CD 24.70		
TL 42.70	1 - 2.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
51612	**R 51140**	**P 30110**
REFERENCE NO.	**REFERENCE NO.**	
23041-03200	23040-03000	
23041-03210		
23041-03220		



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Moly Skirt	MP: 7.00 mm

8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

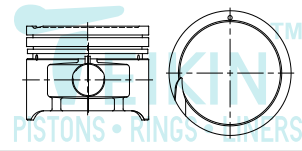
X3-II — 1341 cc — 4 cyl.

Ø	71.50	-0.7
CD	30.80	
TL	53.80	

RINGS: 2 - 1.5 / 1 - 3.0

PIN: Ø 18.010 / TL 47.50

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
51129	R 51129	P 51600



REFERENCE NO.	REFERENCE NO.
23410-22712	23040-22300/1/50/51
23410-22971-4	23040-22931/2/5/6/9
23410-22880	23040-22940/61/62

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 9.00 mm

9

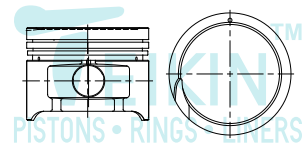
X3, G4EH — 1300 cc — 4 cyl.

Ø	71.50	-1.1
CD	31.20	
TL	54.30	

RINGS: 2 - 1.5 / 1 - 3.0

PIN: Ø 18.010 / TL 47.50

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
51600	R 51129	P 51600



REFERENCE NO.	REFERENCE NO.
23410-22360	23040-22300/1/50/51
23410-22350/70	23040-22931/2/5/6/9
23410-22250/60	23040-22940/61/62
23410-22270	
23410-22935/36	

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm
	MP: 9.00 mm

10

ACCENT 1.4 — 1368 cc — 4 cyl.

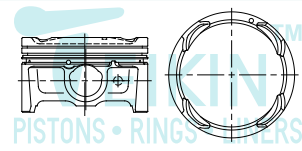
ACCENT, I20, I30
(11-)
DOHC 16V

Ø	72.00	-3.6
CD	24.70	
TL	42.70	

RINGS: 1 - 1.0 / 1 - 1.2 / 1 - 2.0

PIN: Ø 18.000 / TL 47.50

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
51153	R 51153	P 30110



REFERENCE NO.	REFERENCE NO.
23041-03AA0	23040-03AA0
23041-03AA1	
23041-03AB1	
23041-03AC1	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Moly Skirt	MP: 6.00 mm

11

G4LE — 1579 cc — 4 cyl.

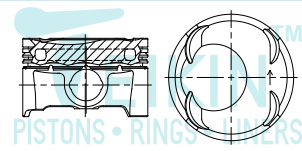
KIA NIRO 1.6L GDI HYBRID
IONIQ 1.6L GDI HYBRID
2017-2019
(16-)
DOHC 16V

Ø	72.00	-3.6
CD	26.60	
TL	44.60	

RINGS: 1 - 1.0 / 1 - 1.2 / 1 - 2.0

PIN: Ø 18.000 / TL 50.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
51162G	R 51162	P 45136



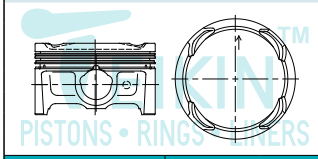
REFERENCE NO.	REFERENCE NO.
23041-03HA0	23040-03HA0
23041-03HB0	
23041-03HC0	

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 7.50 mm
1st Ring Anodized	

12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

G4LC
Accent / Solaris (2017-present) — 4 cyl.
I20 (2018 - 2020)

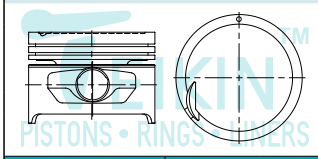


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Moly Skirt	MP: 8.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 72.00	1 - 1.0	Ø 18.000				
-3.6	1 - 1.2	TL 47.50				
CD 24.70						
TL 42.70	1 - 2.0					
TEIKIN NO.		**TEIKIN NO.**				
51166		**P 30110**				
REFERENCE NO.						
23041-03AB3						
23041-03AA3						
23041-03AC3						

13

G4EK - ALPHA - F1 — 1495 cc
G4AE, G4EB — 4 cyl.
ACCENT 1500i
CS, RS, SCOUPLE 1.5 LS/GT
12 V

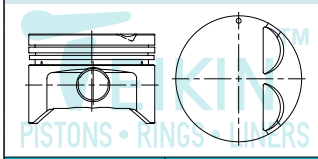


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 8.75 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 75.50	2 - 1.5	Ø 18.010		TL 140.0		**TEIKIN NO.**
-0.8		TL 47.50		OD 79.5		**LKSX 51104**
CD 31.40						
TL 54.40	1 - 3.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		
51104	**R 51104**	**P 51600**		**LSX 51104**		
				Surface Treatment		
				None		
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**		
23410-22410	23040-22010/50					
23410-22450	23040-22901/2/11/12/13/14					
23410-22400	23040-22951/2/3/4					
23410-22420	23040-22601					

14

G4FK — 1495 cc
ACCENT — 4 cyl.
1996-98
F.I. DOHC 16V

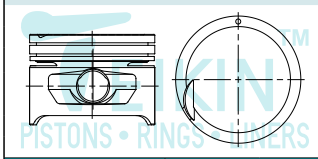


Surface Treatment	Bore Clearance
None	MRC: 0.020 mm
	MP: 11.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 75.50	1 - 1.2	Ø 18.000		TL 140.0		**TEIKIN NO.**
-4.2	1 - 1.5	TL 47.50		OD 79.5		**LKSX 51116**
CD 30.50						
TL 53.50	1 - 3.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		
51116	**R 51116**	**P 30110**		**LSX 51104**		
				Surface Treatment		
				None		
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**		
23410-26012	23010-26001					
23410-26913	23040-26000/1					
23410-26916	23040-26902/3/4/5					
23410-26919						

15

G4EB — 1500 cc
ACCENT — 4 cyl.
2000-03
F.I. DOHC 12V
90 HP VERNA 03-06



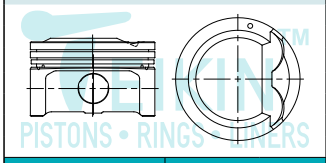
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm
	MP: 8.75 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 75.50	2 - 1.5	Ø 18.000		TL 140.0		**TEIKIN NO.**
-0.2		TL 47.50		OD 79.5		**LKSX 51119**
CD 30.70						
TL 53.70	1 - 3.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		
51119	**R 51104**	**P 30110**		**LSX 51104**		
				Surface Treatment		
				None		
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**		
23410-22612	23040-22010/50					
23410-22921/22	23040-22901/2/11/12/13/14					
23410-22961/62	23040-22951/2/3/4					
	23040-22601					

16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

ATTITUDE 1400 cc
G4ED 96CF ATTITUDE 06-09 — 4 cyl.
L4 DOHC 16 VÁLV.

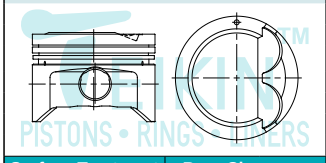


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 5.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 75.50	2 - 1.2	Ø 18.000		TL 140.0		TEIKIN NO.
+2.2		TL 47.50		OD 79.5		LKSX 51128
CD 28.70						
TL 48.00	1 - 2.0					
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
51128	R 51128	P 30110		LSX 51104		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.		
23410-26400 23410-26410 23410-26420 23410-26940 23410-26941	23040-26002 23040-26400 23040-26906 23040-26907					

17

ACCENT 1.5L 1500 cc
4 cyl.

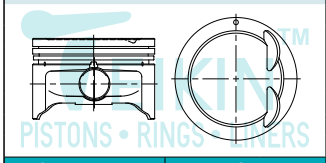


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 75.50	1 - 1.2	Ø 18.000				
+1.0	1 - 1.5	TL 47.50				
CD 30.50						
TL 54.50	1 - 3.0					
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.				
51134	R 51134	P 30110				
REFERENCE NO.	REFERENCE NO.					
23410-22511						

18

1.6L 1600 cc
ACCENT — 4 cyl.
G4ED

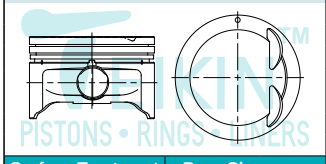


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 10.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 76.50	2 - 1.2	Ø 18.000				
-0.8		TL 47.50				
CD 28.40						
TL 50.40	1 - 2.5					
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.				
51115	R 51115	P 30110				
REFERENCE NO.	REFERENCE NO.					
23410-26111	23040-26101					

19

XD 1600 cc
ADVANTE — 4 cyl.
1600CC DOHC
105 HP VERNA 04-06,
ACCENT 01-09



Surface Treatment	Bore Clearance
Tin Coated Moly Skirt	MRC: 0.030 mm MP: 10.50 mm

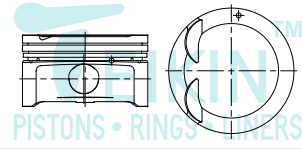
PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 76.50	2 - 1.2	Ø 18.010				
-0.5		TL 47.50				
CD 28.20						
TL 50.20	1 - 2.0					
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.				
51121	R 51121	P 51600				
REFERENCE NO.	REFERENCE NO.					
23410-26510 23410-23917	23040-26160 23040-26170					

20

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

AVANTE 1.6L — 1600 cc — 4 cyl.

ACCENT - ELENTRA
GETZ - I20 - I30
I30CW - IX20 - SB
KIA
CARENS - CEED



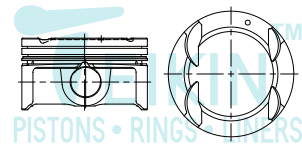
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Moly Skirt	MP: 5.00 mm

PISTON SET	RINGS	PIN	LINER KIT SET
Ø 77.00	2 - 1.2	Ø 18.000	
-1.0		TL 53.00	
CD 26.90			
TL 43.90	1 - 2.0		
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**	
51136	**R 51136**	**P 46332**	
REFERENCE NO.	**REFERENCE NO.**		
23041-2B000	23040-2B000		
23041-2B001	23040-2B001		
23041-2B020			
23041-2B021			
23041-2B010/11			

21

G4FC-II — 1591 cc — 4 cyl.

ELANTRA
I30 ~ VELOSTER
A2 ~ AM ~ SOUL
(11-)
DOHC 16V



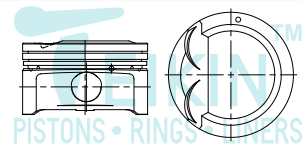
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 5.50 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	LINER KIT SET
Ø 77.00	2 - 1.2	Ø 18.000	
-0.9		TL 53.00	
CD 26.90			
TL 43.90	1 - 2.0		
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**	
51145	**R 51155**	**P 46332**	
REFERENCE NO.	**REFERENCE NO.**		
23041-2B900	23040-2B600		
23041-2B901	23040-2B650		
23041-2B910	23040-2B800		
23041-2B911			
23041-2B920			

22

G4FA — 1394 cc — 4 cyl.

ACCENT ~ GETZ
I20 ~ I30 ~ I30cw
A2 ~ CEED ~ IH
(09-)
DOHC 16V



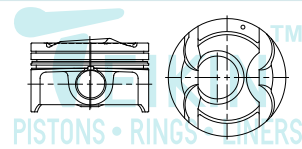
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Moly Skirt	MP: 5.00 mm

PISTON SET	RINGS	PIN	LINER KIT SET
Ø 77.00	2 - 1.2	Ø 18.000	
+1.4		TL 53.00	
CD 26.90			
TL 45.30	1 - 2.0		
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**	
51149	**R 51136**	**P 46332**	
REFERENCE NO.	**REFERENCE NO.**		
23041-2B101	23040-2B000		
23041-2B111	23040-2B001		
23041-2B121			

23

G4FJ — 1591 cc — 4 cyl.

ACCENT
I30 ~ I40 ~ IX35
TUCSON ~ VELOSTER
KIA DOHC 16V



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 7.00 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	LINER KIT SET
Ø 77.00	2 - 1.2	Ø 18.000	
+3.0		TL 53.00	
CD 26.90			
TL 48.00	1 - 2.0		
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**	
51155	**R 51155**	**P 46332**	
REFERENCE NO.	**REFERENCE NO.**		
23041-2B600	23040-2B600		
23041-2B610	23040-2B650		
23041-2B620	23040-2B800		

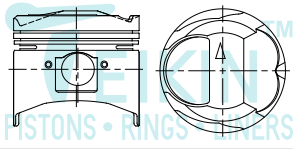
24

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
G4FA-II 1396 cc GAMMA DOHV HYUNDAI ACCENT 2014-2015 4 cyl.	Ø 77.00 +1.7 CD 26.90 TL 45.60	2 - 1.2 1 - 2.0	Ø 18.000 TL 53.00				
	TEIKIN NO. 51159		TEIKIN NO. P 46332				
	REFERENCE NO. 23041-2B705						
Surface Treatment: Tin Coated, Moly Skirt Bore Clearance: MRC: 0.030 mm, MP: 6.50 mm							25
1.6L GDI 2013-2017 HYUN KIA / L4 / 1.6L / 97 AVANTE (15-18), ELANTRA (15-18) VELOSTER (11-17), i30 (15-17) DOHC 16V [(GAMMA)] 4 cyl.	Ø 77.00 +1.4 CD 27.90 TL 46.40	1 - 1.2 1 - 1.5 1 - 2.0	Ø 20.000 TL 52.00				
	TEIKIN NO. 51167A		TEIKIN NO. P G2101				
	REFERENCE NO. 23041-2BAA0						
Surface Treatment: Moly Skirt Bore Clearance: MRC: 0.030 mm, MP: 6.00 mm							26
J2 (BETA) 1599 cc E LANTRA 1.6 GLS DOHC 16 VALVE 1994 - ON 4 cyl.	Ø 77.40 +1.8 CD 31.00 TL 60.80	2 - 1.2 1 - 2.5	Ø 20.000 TL 59.00				
	TEIKIN NO. 51101	TEIKIN NO. R 51101	TEIKIN NO. P 51101				
	REFERENCE NO. 23410-23100/10/20 23410-23105/15/25 23410-23155/65/75	REFERENCE NO. 23040-23100 23040-23150 23040-23911/2/3					
Surface Treatment: Tin Coated Bore Clearance: MRC: 0.030 mm, MP: 15.40 mm							27
15D 1500 cc ELANTRA 1.5L 4 cyl.	Ø 79.70 +2.0 CD 32.40 TL 66.40	1 - 1.2 1 - 1.5 1 - 3.0	Ø 21.000 TL 66.00				
	TEIKIN NO. 51137		TEIKIN NO. P 44121				
	REFERENCE NO.						
Surface Treatment: Tin Coated Bore Clearance: MRC: 0.030 mm, MP: 16.50 mm							28

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

Y2 — **1800 cc** — 4 cyl.
1800 CC SOHC

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 80.60	2 - 1.5	Ø 21.000		TL		150.0	TEIKIN NO.
+3.0		TL 72.50		OD		84.5	LKSX 51125
CD 35.00							
TL 74.90	1 - 4.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			TEIKIN NO.		
51125	R 51125	P 43155			LSX 51125		
					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.				REFERENCE NO.		
23410-32410	23040-32410						
23410-32400	23040-32945/6/7/8						
23410-32420							
23410-32941							

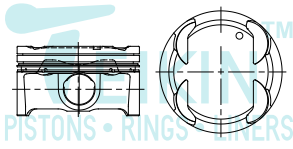


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 19.30 mm

29

ELANTRA — **1797 cc** — 4 cyl.
I30
(11-17)
DOHC 16V

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 81.00	1 - 1.0	Ø 20.000		TL		150.0	TEIKIN NO.
-1.0	1 - 1.2	TL 49.00		OD		85.0	LKSX 51146
CD 28.50							
TL 46.00	1 - 2.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			TEIKIN NO.		
51146	R 51148	P 51146			LSX 51146		
					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.				REFERENCE NO.		
23041-2E100	23040-2E000						
23041-2E110	23040-2E050						
23041-2E120	23040-2E910						

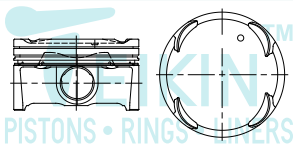


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 6.00 mm
1st Ring Anodized	

30

NU 2.0L — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 81.00	1 - 1.0	Ø 20.000					
-2.6	1 - 1.2	TL 49.00					
CD 28.50							
TL 46.00	1 - 2.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.					
51148	R 51148	P 51146					
REFERENCE NO.	REFERENCE NO.						
23041-2E010	23040-2E000						
23041-2E020	23040-2E050						
3041-2E920	23040-2E910						
23041-2E000							

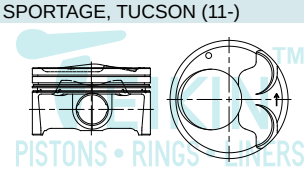


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 6.00 mm
1st Ring Anodized	

31

G4NC — **1999 cc** — 4 cyl.
CARENS, CERATO
ELANTRA, FORTE
I30, I40, IX35
RONDO, SOUL
SPORTAGE, TUCSON (11-)

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 81.00	1 - 1.0	Ø 20.000					
+2.6	1 - 1.2	TL 49.00					
CD 28.50							
TL 48.60	1 - 2.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.					
51160	R 51160	P 51146					
REFERENCE NO.	REFERENCE NO.						
23041-2E200	23040-2E200						
23041-2E210							
23041-2E220							



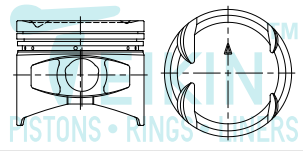
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 6.00 mm
1st Ring Anodized	

32

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

G4DM — 1836 cc — 4 cyl.

G4CN
ELANTRA
1993-95
F.I.,DOHC, 16V



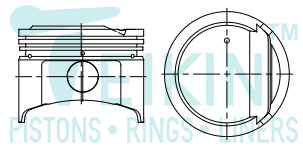
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 81.50	1 - 1.2	Ø 21.000				
-1.1	1 - 1.5	TL 66.00				
CD 34.70						
TL 67.00	1 - 3.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
51114	**R 51114**	**P 44121**				
REFERENCE NO.	**REFERENCE NO.**					
23410-33400	23040-33420/30					
23410-33410	23040-33955/6/7/8					
23410-33420	23040-33971/2/3/4					
23410-33440	23040-38000					

33

G4DR - BETA - J2 — 1836 cc — 4 cyl.

G4GB
ELANTRA 1.8 GLi 1994-ON
TIBURON 1996-1998



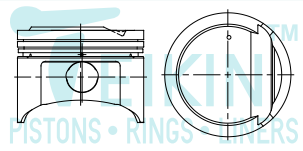
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 82.00	2 - 2.0	Ø 20.000				
+2.1		TL 59.00				
CD 31.10						
TL 63.20	1 - 4.0					
TEIKIN NO.		**TEIKIN NO.**				
51105		**P 51101**				
REFERENCE NO.						

34

G4DR - BETA - J2 - II — 1800 cc — 4 cyl.

G4GM
LAVITA
ADVANTE 1.8L



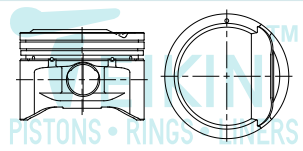
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 82.00	2 - 1.2	Ø 20.000				
+2.2		TL 59.00				
CD 30.90						
TL 63.20	1 - 2.5					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
51120	**R 51120**	**P 51101**				
REFERENCE NO.	**REFERENCE NO.**					
23410-23010	23040-2300/50					
23410-23060	23040-23100/200					
23410-23901/02	23040-23911/12/13/21					
23410-23931/32	23040-23922/51/52/53/54					

35

MATRIX 1.8L — 1800 cc — 4 cyl.

MATRIX 1.8L



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 10.00 mm

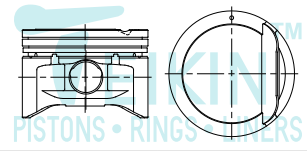
PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 82.00	2 - 1.2	Ø 20.000				
+1.9		TL 59.00				
CD 31.00						
TL 59.40	1 - 2.5					
TEIKIN NO.		**TEIKIN NO.**				
51122		**P 51101**				
REFERENCE NO.						
23410-23610						

36

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

2.0L — 2000 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 82.00 +0.3 CD 31.00 TL 57.80	2 - 1.2 1 - 2.5	Ø 20.000 TL 59.00				
TEIKIN NO. **51127**	TEIKIN NO. **R 51120**	TEIKIN NO. **P 51101**				
REFERENCE NO. 23410-23710 23410-23711 23410-23941 23410-23942	REFERENCE NO. 23040-2300/50 23040-23100/200 23040-23911/12/13/21 23040-23922/51/52/53/54					

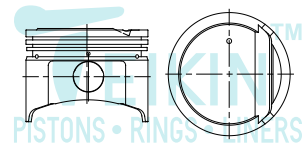


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 10.00 mm

37

G4GF — 1975 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 82.00 +1.0 CD 31.00 TL 62.00	2 - 1.2 1 - 2.5	Ø 20.000 TL 59.00				
TEIKIN NO. **51131**	TEIKIN NO. **R 51120**	TEIKIN NO. **P 51101**				
REFERENCE NO. 23410-23210	REFERENCE NO. 23040-2300/50 23040-23100/200 23040-23911/12/13/21 23040-23922/51/52/53/54					



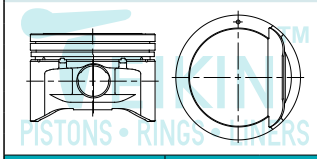
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.00 mm

38

G4GC — 1975 cc — 4 cyl.

2.0L EFI DOHC 16V
COUPLE, ELANTRA
I30, I30CW
TIBURON, TUCSON
KIA, CEED. CERATO

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 82.00 +0.3 CD 31.00 TL 57.80	2 - 1.2 1 - 2.0	Ø 20.000 TL 59.00				
TEIKIN NO. **51151**	TEIKIN NO. **R 51151**	TEIKIN NO. **P 51101**				
REFERENCE NO. 23410-23AA1	REFERENCE NO. 23040-23300 23040-23400 23040-23971 23040-23972					



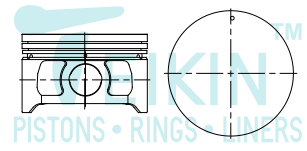
Surface Treatment	Bore Clearance
Tin Coated Moly Skirt	MRC: 0.030 mm MP: 10.00 mm

39

G6BV DELTA — 2493 cc — 6 cyl.

SONATA
OPTIMA
F.I., DOHC 24V
1999-2001

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 84.00 CD 30.60 TL 52.50	2 - 1.2 1 - 2.5	Ø 21.000 TL 59.00				
TEIKIN NO. **51111**	TEIKIN NO. **R 51111**	TEIKIN NO. **P 45131**				
REFERENCE NO. 23410-37120	REFERENCE NO. 23040-37200					

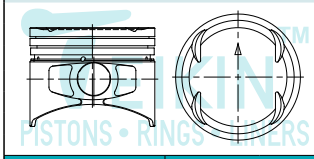


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 8.75 mm

40

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

G4JP — 1997 cc — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.50 mm

Ø	85.00	-1.3
CD	34.70	
TL	66.60	

1 - 1.2	
1 - 1.5	
1 - 2.8	

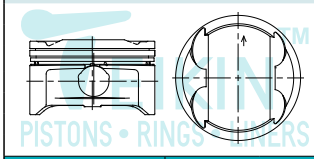
Ø	22.000
TL	62.00

	TEIKIN NO.	REFERENCE NO.
PISTON SET	51130	23410-38190
RINGS	R 51130	23040-38100 23040-38110 23040-38920/1 23040-38940/1
PIN	P 43222	

41

G4KD — 1998 cc — 4 cyl.

GF10 - IX35
SONATA NF - TUCSON
KIA
CERATO - FORTE
OPTIMA - SL



Surface Treatment	Bore Clearance
Tin Coated Moly Skirt	MRC: 0.030 mm MP: 9.00 mm

Ø	86.00	+1.0
CD	27.50	
TL	51.50	

2 - 1.2	
1 - 2.0	

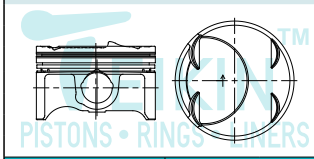
Ø	21.000
TL	59.00

	TEIKIN NO.	REFERENCE NO.
PISTON SET	51144	23410-2G000 23410-2G010 23410-2G020
RINGS	R 51144	23040-2G000
PIN	P 45131	

42

G4KH — 1998 cc — 4 cyl.

HYUNDAI SANTA FE 12 (12-16)
HYUNDAI SONATA 10 (10-14)
KIA OPTIMA (11-15)
KIA SPORTAGE (12-13)



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 9.00 mm

Ø	86.00	+3.4
CD	30.00	
TL	56.40	

1 - 1.2	
1 - 1.5	
1 - 2.0	

Ø	22.000
TL	58.00



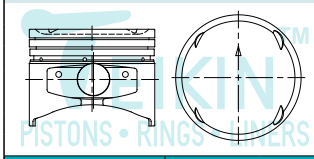
TL	165.0
OD	92.0

	TEIKIN NO.	REFERENCE NO.
PISTON SET	51165A	23410-2G400 23410-2G410 23410-2G420
RINGS	R 51165	23040-2G400 23040-2G401
PIN	P 43290	
LINER FLANGED	LSX 51165 Surface Treatment: None	REFERENCE NO.
LINER KIT SET	TEIKIN NO. LKSX 51165A	

43

G6BV — 4 cyl.

G4JS



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.50 mm

Ø	86.50	-3.5
CD	34.60	
TL	66.70	

1 - 1.2	
1 - 1.5	
1 - 2.8	

Ø	22.000
TL	62.00

TL	155.0
OD	90.0

	TEIKIN NO.	REFERENCE NO.
PISTON SET	51110	23410-38210 23410-38290 23411-38200
RINGS	R 51110	23040-38200
PIN	P 43222	
LINER FLANGED	LSX 51110 Surface Treatment: None	REFERENCE NO.
LINER KIT SET	TEIKIN NO. LKSX 51110	

44

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

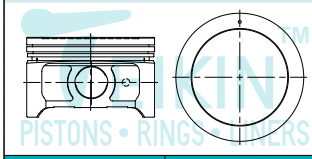
G6BA — 2657 cc — 6 cyl.

SONATA
SANTA FE, OPTIMA
F.I., DOHC 24V
2000-02

Ø	86.70	-0.9
CD	30.50	
TL	54.00	

RINGS: 2 - 1.2 / 1 - 2.5

Ø	21.000
TL	59.00



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 9.00 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
51113	R 51113	P 45131

REFERENCE NO.	REFERENCE NO.
23410-37310	23040-37300/400 23040-37932/41/42 23040-3E102

45

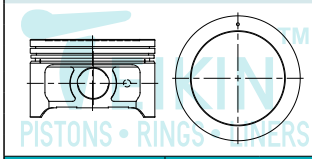
DELTA 2.7L — 6 cyl.

DELTA 2.7L

Ø	86.70	-0.8
CD	30.50	
TL	54.00	

RINGS: 2 - 1.2 / 1 - 2.0

Ø	21.000
TL	59.00



Surface Treatment	Bore Clearance
Tin Coated Moly Skirt	MRC: 0.030 mm MP: 9.00 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
51124	R 51138	P 45131

REFERENCE NO.	REFERENCE NO.
23410-37300	23040-3E001

46

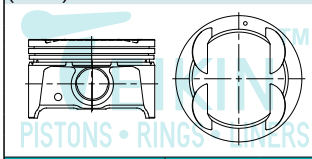
SANTA FE — 2657 cc — 6 cyl.

COUPLE
SONATA EF
TIBURON
TRAJET ~ TUCSON
(00-08)

Ø	86.70	-0.6
CD	30.50	
TL	54.00	

RINGS: 2 - 1.2 / 1 - 2.0

Ø	21.000
TL	59.00



Surface Treatment	Bore Clearance
Tin Coated Moly Skirt	MRC: 0.030 mm MP: 9.50 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
51138	R 51138	P 45131

REFERENCE NO.	REFERENCE NO.
23410-3E001	23040-3E001

47

SONATA 2.4L — 2400 cc — 4 cyl.

THETA 2.4 MPI
SONATA NF
THETA FF
KIA OPTIMA - RONDO

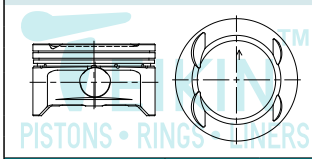
Ø	88.00	-1.7
CD	27.50	
TL	51.50	

RINGS: 2 - 1.2 / 1 - 2.0

Ø	21.000
TL	59.00

TL	165.0
OD	92.0

TEIKIN NO. LKSX 51135



Surface Treatment	Bore Clearance
Tin Coated Moly Skirt	MRC: 0.030 mm MP: 10.00 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
51135	R 51135	P 45131	LSX 51135

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
23410-25201 23410-25210 23410-25211	23040-25200 23040-25250 23040-2G200	

48

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

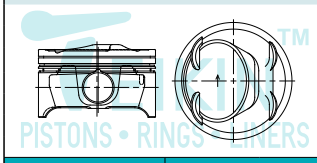
G4KC — 2359 cc — 4 cyl.

I45 SANTA FE, SONATA
KIA OPTIMA, SORETO
(10-13)
DOHC 16V

Ø	88.00	+3.7
CD	28.50	
TL	54.70	

RINGS: 2 - 1.2 / 1 - 2.0

Ø	22.000
TL	52.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
51161	R 51135	P 55106

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 9.00 mm
1st Ring Anodized	

REFERENCE NO.	REFERENCE NO.
23410-2G500	23040-25200
23410-2G510	23040-25250
23410-2G520	23040-2G200

49

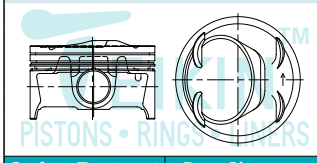
G4KJ 2.4 GDI — 2359 cc — 4 cyl.

SANTA FE 2019-2020
TUCSON 2014-2020
SANTA FE SPORT 2013-2018
SONATA 2014-2019

Ø	88.00	+3.6
CD	28.50	
TL	54.60	

RINGS: 2 - 1.2 / 1 - 2.0

Ø	22.000
TL	52.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
51164	R 51135	P 55106

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 10.00 mm
1st Ring Anodized	

REFERENCE NO.	REFERENCE NO.
23410-2G501	23040-25200
23410-2G521	23040-25250
23410-2G511	23040-2G200

50

G4KE / G4KG — 2359 cc — 4 cyl.

AZERA - IX35
SANTA FE - TUCSON
KIA
OPTIMA
RONDO

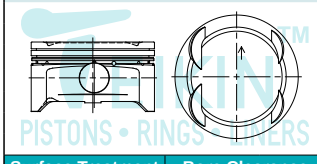
Ø	88.00	-1.7
CD	27.50	
TL	51.50	

RINGS: 2 - 1.2 / 1 - 2.0

Ø	21.000
TL	57.50

TL	165.0
OD	92.0

TEIKIN NO. LKSX 51613



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
51613	R 51135	P 45152	LSX 51135

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Moly Skirt	MP: 10.00 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
23410-2G200	23040-25200	
23410-2G210	23040-25250	
23410-2G220	23040-2G200	

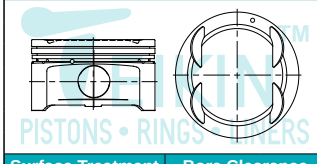
51

SONATA 3.3L — 3300 cc — 6 cyl.

Ø	92.00	-0.6
CD	30.70	
TL	51.80	

RINGS: 2 - 1.2 / 1 - 2.0

Ø	23.000
TL	63.00



TEIKIN NO.	TEIKIN NO.
51133	P 51132

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Moly Skirt	MP: 6.50 mm

REFERENCE NO.

52

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

G6DB — 3300 cc — 6 cyl.

3342 CC
SONATA 2006-

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 92.00 -0.5 CD 30.70 TL 52.00	2 - 1.2 1 - 2.0	Ø 23.000 TL 64.00				
TEIKIN NO. **51139**	**TEIKIN NO.** **R 51139**	**TEIKIN NO.** **P 55102**				
REFERENCE NO.	**REFERENCE NO.**					

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 6.50 mm

53

G6DB-II — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 92.00 -0.7 CD 30.70 TL 51.80	2 - 1.2 1 - 2.0	Ø 22.000 TL 58.00				
TEIKIN NO. **51147**		**TEIKIN NO.** **P 43290**				
REFERENCE NO. 23041-3C502						

Surface Treatment	Bore Clearance
Tin Coated Moly Skirt	MRC: 0.030 mm MP: 7.50 mm

54

G6DB-III — 6 cyl.

CARNIVAL (2014-)
SANTA FE (2015-2019)
GRAND SANTA FE (2013-2019)

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 92.00 -0.3 CD 30.70 TL 51.80	2 - 1.2 1 - 2.0	Ø 22.000 TL 58.00				
TEIKIN NO. **51168**		**TEIKIN NO.** **P 43290**				
REFERENCE NO. 23041-3CDA0						

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 7.50 mm

55

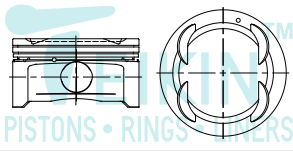
XG350 — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 93.00 -2.5 CD 31.20 TL 54.20	2 - 1.5 1 - 3.0	Ø 22.000 TL 64.00		TL OD	195.0 97.0	**TEIKIN NO.** **LKSX 51123**
TEIKIN NO. **51123**	**TEIKIN NO.** **R 51123**	**TEIKIN NO.** **P 43220**		**TEIKIN NO.** **LSX 51123**		
REFERENCE NO. 23410-39810	**REFERENCE NO.** 23040-39500/800 23040-39951/2 23040-39981/2			**Surface Treatment** None **REFERENCE NO.**		

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 8.00 mm

56

TEIKIN™
PISTONS • RINGS • LINERS

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
SONATA 3.8L **3800 cc** LAMBDA **6 cyl.**	**Ø 96.00** -2.1 CD 29.10 TL 52.00	2 - 1.2 1 - 2.0	Ø 23.000 TL 63.00					
	**TEIKIN NO.** **51132**	**TEIKIN NO.** **R 51132**	**TEIKIN NO.** **P 51132**					
Surface Treatment Tin Coated Moly Skirt	**Bore Clearance** MRC: 0.030 mm MP: 9.00 mm	**REFERENCE NO.** 23041-3C214	**REFERENCE NO.**					

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

i10 GRAND
3 cyl.

	Ø 75.00	2 - 1.75	Ø 28.000					TEIKIN NO.
	-11.9		TL 62.00					
	CD 41.90							
	TL 65.70	1 - 3.0						
	TEIKIN NO.		TEIKIN NO.					
	51158AG		P 51150					
	REFERENCE NO.							

Surface Treatment: Moly Skirt
Bore Clearance: MRC: 0.050 mm, MP: 7.00 mm

58

i20 MAGNA CRDi 1396 cc
4 cyl.

	Ø 75.00	2 - 1.75	Ø 28.000		TL	142.0	142.0	TEIKIN NO.
	-11.8		TL 61.00		OD	78.0	78.0	LKSF 51142AG
	CD 44.70				FT	4.0		LKSX 51142AG
	TL 68.40	1 - 3.0			FD	80.0		
	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
	51142AG	R 51142	P 44671	B 51142	LSF 51142 LSX 51142			
					Surface Treatment: None			
	REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
	23410-2A951	23040-2A900		23517-2A600				
	23410-2A950	23040-2A901						
	23410-2A952	23040-2A902						

Surface Treatment: Moly Skirt, Anodized Crown
Bore Clearance: MRC: 0.030 mm, MP: 8.00 mm

59

D4FA 1493 cc
GETZ
MATRIX 1.5 CRDI
4 cyl.

	Ø 75.00	2 - 1.75	Ø 28.000		TL	142.0	142.0	TEIKIN NO.
	-12.3		TL 62.00		OD	78.0	78.0	LKSF 51150AG
	CD 42.00				FT	4.0		LKSX 51150AG
	TL 65.80	1 - 3.0			FD	80.0		
	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
	51150AG	R 51142	P 51150	B 51142	LSF 51142 LSX 51142			
					Surface Treatment: None			
	REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
	23410-2A901	23040-2A900		23517-2A600				
	23410-2A911	23040-2A901						
	23410-2A921	23040-2A902						
	23410-2A931							
	23410-2A941							

Surface Treatment: Moly Skirt
Bore Clearance: MRC: 0.030 mm, MP: 7.50 mm

60

D4FB 1582 cc
1.6L CRDi DOHC 16v
10/2007
ACCENT ~ ECANTRA
I20 ~ I30 ~ I30CW
4 cyl.

	Ø 77.20	2 - 1.75	Ø 28.000		TL	140.0	142.0	TEIKIN NO.
	-12.7		TL 64.00		OD	81.2	78.0	LKSF 51154AG
	CD 41.90				FT	3.0		LKSX 51154AG
	TL 65.70	1 - 3.0			FD	83.0		
	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
	51154AG	R 51154	P 51154	B 51154	LSF 51154 LSX 51154			
					Surface Treatment: None			
	REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
	23410-2A967	23040-2A903		23517-2A700				
	23410-2A957	23040-2A913						
	23410-2A977	23040-2A923						
	23410-2A987	23040-2A960/1/2						
	23410-2A997							

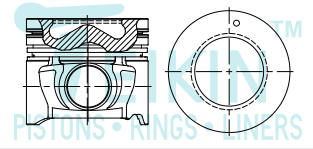
Surface Treatment: Moly Skirt
Bore Clearance: MRC: 0.030 mm, MP: 8.00 mm

61

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

D3EA — 1493 cc — 3 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 83.00	1 - 2.0 FK	Ø 28.000		TL	153.5	153.5	TEIKIN NO.
-14.0	1 - 2.0	TL 65.50		OD	86.0	86.0	LKSF 51604A
CD 46.30				FT	4.8		LKSX 51604A
TL 72.30	1 - 3.0			FD	89.0		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
51604A	R 51604	P 51604	B 51604		LSF 51604 LSX 51604		
					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.		
23410-27901/3/4	23040-27900		23517-27000				
23410-27921	23040-27901/2						
23410-27923	23040-27910/1/2						
23410-27924	23040-27920/1/2						

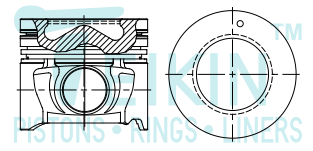


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

62

D4EA — 1991 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 83.00	1 - 2.0 FK	Ø 28.000		TL	153.5	153.5	TEIKIN NO.
-14.0	1 - 2.0	TL 65.50		OD	86.0	86.0	LKSF 51604A-4
CD 46.30				FT	4.8		LKSX 51604A-4
TL 72.30	1 - 3.0			FD	89.0		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
51604A-4	R 51604-4	P 51604	B 51604-4		LSF 51604-4 LSX 51604-4		
					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.		
23410-27921	23040-27900/1/2		23517-27000				
23410-27901/3/4	23040-27910/1/2						
23410-27923	23040-27920/1/2						
23410-27924							



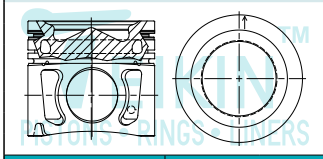
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

63

D4HA — 1995 cc — 4 cyl.

2.0 CDRI
IX35, TUCSON
SANTA FE 10
SANTA FE 12
2010 - 2015

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 84.00	2 - 2.5 FK	Ø 34.000		TL	172.0	150.0	
-13.5	1 - 2.0	TL 65.00		OD	88.0	88.0	LKSF 51163AG
CD 48.90				FT	4.0		LKSX 51163AG
TL 75.90	1 - 3.0			FD	92.0		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
51163AG	R 51163	P 46348	B 51163		LSF 51163 LSX 51163		
					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.		
23410-2F930	23040-2F900		23517-2F000				
23410-2F931	23040-2F930						
23410-2F932							



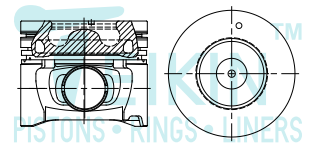
Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.070 mm MP: 7.00 mm

64

D4EB-F/D4EB-G — 2188 cc — 4 cyl.

SANTA FE 2.2 CRDI

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 87.00	1 - 2.5 FK	Ø 28.000		TL	162.0	162.0	TEIKIN NO.
-17.4	1 - 2.0	TL 72.00		OD	91.1	91.1	LKSF 51605AG
CD 46.30				FT	4.0		LKSX 51605AG
TL 72.30	1 - 3.0			FD	92.5		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
51605AG	R 51605	P 51605	B 51604-4		LSF 51605 LSX 51605		
					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.		
23410-27940	23040-27940		23517-27000				
23410-27941	23040-27941						
23410-27942	23040-27942						
23410-27943							
23410-27944							



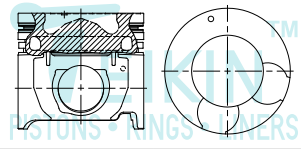
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.070 mm MP: 7.50 mm

65

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

D4CB CRDI 2497 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 91.00	1 - 2.5 HK	Ø 33.000		TL	170.5	170.5	TEIKIN NO.
-15.1	1 - 2.0	TL 75.00		OD	94.2	94.2	LKSF 51603AG
CD 54.30				FT	2.0		LKSX 51603AG
TL 83.80	1 - 3.0			FD	98.2		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
51603AG	R 51603	P 51603	B 51603		LSF 51603 LSX 51603		
					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.		
23410-4A900/1/2	23040-4A900/1/2		23515-4A000		21131-4A000		
23410-4A910/1/2/3/4	23040-4A910/1/2		23515-4A010				
	23040-4A920						
	23040-4A940						

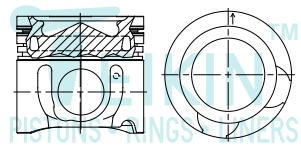


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.070 mm MP: 9.00 mm

66

D4CB TCi 2497 cc — H1 - H100 2012- — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 91.00	1 - 2.5 HK	Ø 33.000		TL	170.5	170.5	TEIKIN NO.
-14.7	1 - 2.0	TL 74.00		OD	94.2	94.2	LKSF 51608AG
CD 54.20				FT	2.0		LKSX 51608AG
TL 83.70	1 - 3.0			FD	98.2		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
51608AG	R 51603	P 51603	B 51603		LSF 51603 LSX 51603		
					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.		
23410-4A950	23040-4A900/1/2		23515-4A000		21131-4A000		
23410-4A951	23040-4A910/1/2		23515-4A010				
23410-4A952	23040-4A920						
	23040-4A940						

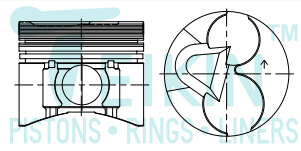


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.090 mm MP: 9.00 mm

67

D4BB 2600 cc — T2 MITSHUBISHI 4D57 — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 91.10	2 - 2.0	Ø 29.000		TL	165.0	165.0	TEIKIN NO.
-3.2		TL 75.00		OD	94.1	94.2	LKFX 51102
CD 46.20				FT	2.0		LKSF 51102
TL 76.20	1 - 3.0			FD	98.1		LKSX 51102
							LKFX 51102A
							LKSF 51102A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		LKSX 51102A
51102 51102A	R 51102	P 43171	B 51102		LFX 51102 LSF 51102 LSX 51102		
					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.		
23410-42701	23040-42200		MD050009		21131-42001		
23410-42711	23040-42202		23517-42001				
23410-42721	23040-42210						
23410-42202							

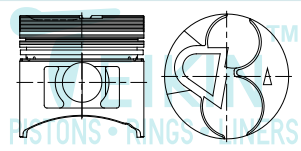


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Moly Skirt	MP: 11.80 mm

68

D4BA 2400 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 91.10	2 - 2.0	Ø 29.000		TL	165.0	165.0	TEIKIN NO.
-3.3		TL 75.00		OD	94.1	94.2	LKFX 51108
CD 48.70				FT	2.0		LKSF 51108
TL 88.70	1 - 3.0			FD	98.1		LKSX 51108
							LKFX 51108A
							LKSF 51108A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		LKSX 51108A
51108 51108A	R 51102	P 43171	B 51102		LFX 51102 LSF 51102 LSX 51102		
					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.		
23410-42201	23040-42200		MD050009		21131-42001		
23410-42211	23040-42202		23517-42001				
23410-42221	23040-42210						



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 18.50 mm

69

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

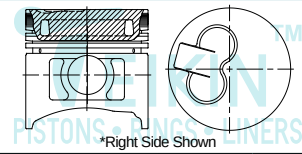
D4BH — 2476 cc — 4 cyl.

Ø	91.10	-2.7
CD	48.70	
TL	88.70	

1 - 2.5 HK	
1 - 2.0 HK	
1 - 4.0	

Ø	29.000
TL	75.00

TL	165.0	165.0	TEIKIN NO.
OD	94.1	94.2	LKFX 51606AG
FT	2.0		LKSF 51606AG
FD	98.1		LKSX 51606AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
51606AG	R 51606	P 43171	B 51102	LFX 51102 LSF 51102 LSX 51102

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 18.50 mm

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
23410-42500(R/L) 23410-42520 23410-42600 23410-42630 23410-42640	23040-42510/20/21 23040-42530/50/51	MD050009 23517-42001	21131-42001

70

J3TCi-II — 2902 cc — 4 cyl.

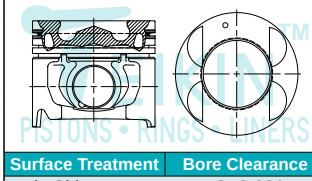
TERRACAN
2003-2006

Ø	97.10	-16.1
CD	52.10	
TL	84.10	

1 - 2.5 HK	
1 - 2.0	
1 - 3.0	

Ø	32.000
TL	78.00

TL	168.5		TEIKIN NO.
OD	101.5		LKFF 51611AG
FT	5.0 + 0.7		LKSF 51611AG
FD	107.3		



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
51611AG	R 51611	P 52107	B THY18	LFF 51610* LSF 51610

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.080 mm MP: 10.00 mm

Surface Treatment: *Phosphate (PH)

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
23410-4X940 23410-4X941 23410-4X942 23410-4X943	23040-4X920	23517-4X000	2111-4X300 21134-4X000

71

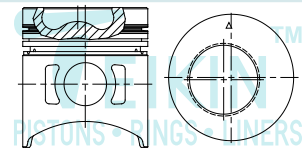
D4AE — 3298 cc — 4 cyl.

Ø	100.00	-17.4
CD	60.60	
TL	110.60	

1 - 3.0 FK	
1 - 2.0	
1 - 4.0	

Ø	34.000
TL	83.50

TL	191.0	191.0	TEIKIN NO.
OD	104.0	104.0	LKSF 51112
FT	5.0		LKSX 51112
FD	109.0		LKSF 51112A
			LKSX 51112A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
51112 51112A	R 51112	P 39138	B 51112	LSF 51112 LSX 51112

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 26.50 mm

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
23410-41410 23411-41410 23411-41430 23411-41700	23040-41400 23040-41410	23517-41310	21311-41300

72

D4AF — 4 cyl.

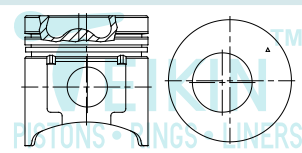
K-1
H-250
CHORUS

Ø	104.00	-19.0
CD	60.70	
TL	110.70	

1 - 3.0 HK	
1 - 2.0	
1 - 4.0	

Ø	34.000
TL	83.50

TL	192.0	192.0	TEIKIN NO.
OD	107.0	107.0	LKSF 51103
FT	4.0		LKSX 51103
FD	113.0		LKSF 51103A
			LKSX 51103A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
51103 51103A	R 51103	P 39138	B 51112	LSF 51103 LSX 51103

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 27.00 mm

Surface Treatment: None

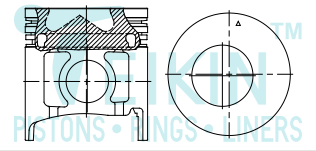
REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
23410-41210 23411-41210	23040-41200 23040-46020	23517-41310	21131-41200

73

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

D4DA — 3907 cc — 4 cyl.

Ø	104.00	1 - 3.0 FK	Ø	36.000		TL	200.0	200.0	TEIKIN NO.
	-19.7	1 - 2.0	TL	88.00		OD	108.0	108.0	LKSF 51602AG
CD	62.20					FT	4.0		LKSX 51602AG
TL	112.20	1 - 4.0				FD	113.0		
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.				
51602AG		R 51602	P 43608		B 51602	LSF 51602 LSX 51602			
						Surface Treatment: None			
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.				
23411-45000 23410-45000		23040-45010			23515-45900	21100-45000			

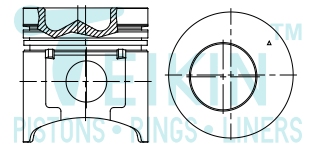


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.090 mm MP: 28.00 mm

74

D4AF-III — 3568 cc — 4 cyl.

Ø	104.00	1 - 3.0 HK	Ø	34.000		TL	192.0	192.0	TEIKIN NO.
	-19.0	1 - 2.0	TL	84.00		OD	107.0	107.0	LKSF 51607A
CD	60.70					FT	4.0		LKSX 51607A
TL	110.70	1 - 4.0				FD	113.0		
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.				
51607A		R 51103	P 43683		B 51112	LSF 51103 LSX 51103			
						Surface Treatment: None			
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.				
23410-41200 23411-41200		23040-41200 23040-46020			23517-41310	21131-41200			



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 24.00 mm

75

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

4XC1 — 1471 cc — 4 cyl.

Ø	77.00	-0.9
CD	28.50	
TL	59.00	

2 - 1.2
1 - 2.8

Ø 18.000
TL 63.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39603	R 39603	P 39210

REFERENCE NO.	REFERENCE NO.
8-94162-766-2	8-94109-650-0
8-94162-766-0	8-94162-769-0
	8-94162-770-0
	8-94162-771-0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 13.00 mm

1

4XC1-III — 1471 cc — 4 cyl.

Ø	77.00	+0.5
CD	28.50	
TL	59.50	

2 - 1.2
1 - 2.8

Ø 18.000
TL 65.00

TEIKIN NO.	TEIKIN NO.
39652	P 39652

REFERENCE NO.
8-94411-975-0

Surface Treatment	Bore Clearance
Tin Coated	MRC: - mm MP: - mm

3

4XC1-IV — 1471 cc — 4 cyl.

Ø	77.00	+0.5
CD	28.50	
TL	59.50	

1 - 1.5
1 - 2.8

Ø 18.000
TL 61.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39659	R 39659	P 43187

REFERENCE NO.	REFERENCE NO.
8-94141-426-0	8-94141-947-0
8-94425-275-0	
8-94460-838-2	
8-94251-076-1	
8-94141-420-0	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.75 mm

4

4XE1W — 1588 cc — 4 cyl.

DOHC 16 V
IMPULSE 1990-91
I-MARK 1989, STYLUS 1991

Ø	80.00	+0.7
CD	28.40	
TL	64.70	

2 - 1.2
1 - 3.0

Ø 18.000
TL 66.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39209	R 39209	P 39209

REFERENCE NO.	REFERENCE NO.
8-97066-886-0	8-94331-660-0
	8-94370-434-0
	8-94379-296-0
	8-97011-557-0

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 20.50 mm

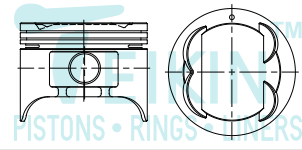
5

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	LINER NO FLANGE	LINER KIT SET

4XE1V — 1588 cc — 4 cyl.

SOHC 12 V
STYLUS 1991-93

PISTON SET	RINGS	PIN
Ø 80.00	2 - 1.2	Ø 18.000
-1.0		TL 63.00
CD 28.50		
TL 61.90	1 - 3.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
39210	**R 39209**	**P 39210**
REFERENCE NO.	**REFERENCE NO.**	
8-97066-885-0	8-94331-660-0	
8-94372-479-0	8-94370-434-0	
8-94372-480-0	8-94379-296-0	
8-94455-400-2	8-97011-557-0	
8-97066-969-0		



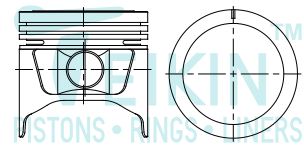
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 18.50 mm

6

G161Z — 1584 cc — 4 cyl.

KB20, GEMINI COUPE
GEMINI LT-MINX
LS, LT, LD, ELF-TRK
FASTER (G.M)

PISTON SET	RINGS	PIN		FLANGED	NO FLANGE	LINER KIT SET
Ø 82.00	2 - 2.0	Ø 22.000	TL		165.0	**TEIKIN NO.**
+0.4		TL 66.00	OD		86.0	**LKSX 39104**
CD 37.00						
TL 80.50	1 - 4.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		
39104	**R 39104**	**P 39104**		**LSX 39104**		
				Surface Treatment		
				None		
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**		
8-94200-645-0	12121-099/133/141					
8-94211-129-0	8-94206-294-0					
	8-94216-639-0					
	9-12181-113-0					

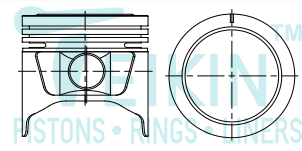


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 25.00 mm

7

G161ZB-II — 1584 cc — 4 cyl.

PISTON SET	RINGS	PIN
Ø 82.00	2 - 2.0	Ø 22.000
+0.8		TL 66.00
CD 37.00		
TL 80.90	1 - 4.0	
TEIKIN NO.		**TEIKIN NO.**
39236		**P 39104**
REFERENCE NO.		
8-94218-808-0		
8-94220-636-0		

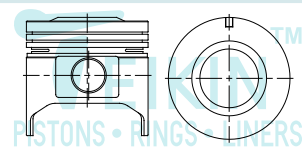


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 25.00 mm

8

4ZA1 — 1584 cc — 4 cyl.

PISTON SET	RINGS	PIN		FLANGED	NO FLANGE	LINER KIT SET
Ø 82.00	2 - 1.5	Ø 22.000	TL		165.0	**TEIKIN NO.**
+2.4		TL 66.00	OD		86.0	**LKSX 39605**
CD 37.00						
TL 80.40	1 - 4.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		
39605	**R 39605**	**P 39104**		**LSX 39104**		
				Surface Treatment		
				None		
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**		
8-94452-742-1	8-94130-293-0					
	8-94244-403-0					
	8-94313-198-0					
	8-94313-199-0					



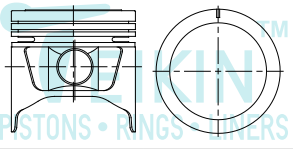
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 24.00 mm

9

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

G161Z-II — 1584 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 82.00 +0.5 CD 37.00 TL 80.50	2 - 1.5 1 - 4.0	Ø 22.000 TL 69.50		TL OD		165.0 86.0	TEIKIN NO. LKSX 39628
TEIKIN NO. 39628	TEIKIN NO. R 39104	TEIKIN NO. P 46202		TEIKIN NO. LSX 39104 Surface Treatment None			
REFERENCE NO. 8-94244-402-0	REFERENCE NO. 12121-099/133/141 8-94206-294-0 8-94216-639-0 9-12181-113-0			REFERENCE NO.			

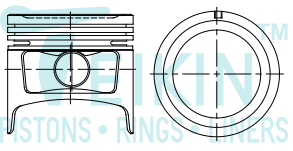


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 25.00 mm

10

G180Z — 1817 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 84.00 -2.4 CD 36.75 TL 79.75	2 - 2.0 1 - 4.0	Ø 22.000 TL 66.00		TL OD		168.0 86.0	TEIKIN NO. LKSX 39110
TEIKIN NO. 39110	TEIKIN NO. R 39110	TEIKIN NO. P 39104		TEIKIN NO. LSX 39110 Surface Treatment None			
REFERENCE NO. 8-94201-040-0 8-94201-607-0 8-94208-205-0	REFERENCE NO. 5-12181-054-0 8-94208-205-0 8-94216-640-0 8-94224-555-0			REFERENCE NO.			

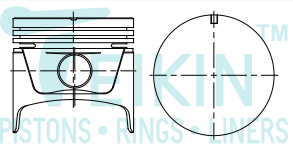


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 25.00 mm

11

G180SR — 1817 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 84.00 CD 36.80 TL 79.80	2 - 2.0 1 - 4.0	Ø 22.000 TL 66.00		TL OD		168.0 86.0	TEIKIN NO. LKSX 39208
TEIKIN NO. 39208	TEIKIN NO. R 39110	TEIKIN NO. P 39104		TEIKIN NO. LSX 39110 Surface Treatment None			
REFERENCE NO. 9-12411-670-0 9-12411-622-0	REFERENCE NO. 5-12181-054-0 8-94208-205-0 8-94216-640-0 8-94224-555-0			REFERENCE NO.			



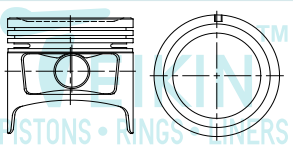
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 25.00 mm

12

G180Z-II — 1817 cc — 4 cyl.

AUTOM - CAMION
SOHC
1981-85

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 84.00 -0.8 CD 37.00 TL 80.00	2 - 2.0 1 - 4.0	Ø 22.000 TL 66.00		TL OD		168.0 86.0	TEIKIN NO. LKSX 39654
TEIKIN NO. 39654	TEIKIN NO. R 39110	TEIKIN NO. P 39104		TEIKIN NO. LSX 39110 Surface Treatment None			
REFERENCE NO. 8-94215-088-0	REFERENCE NO. 5-12181-054-0 8-94208-205-0 8-94216-640-0 8-94224-555-0			REFERENCE NO.			



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 25.00 mm

13

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

X22SE — **2198 cc** — 4 cyl.
DOHC 16 V
AMIGO, RODEO 1998-00

Ø	86.00	-7.5
CD	30.40	
TL	55.50	

2 - 1.5
1 - 3.0

Ø 21.000
TL 61.50

TL 140.0
OD 89.0

TEIKIN NO. LKSX 39211

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39211	R 39211	P 56104	LSX 39211

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
8-92062-910-0	8-96062-027-0 8-92062-028-0 8-92064-589-0 8-92064-591-0	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 12.00 mm

14

X20SE — **1998 cc** — 4 cyl.
DAEWOO NUBIRA
1999-2002
DOHC 16V

Ø	86.00	-6.5
CD	30.40	
TL	55.40	

2 - 1.5
1 - 3.0

Ø 21.000
TL 61.50

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39229	R 39211	P 56104

REFERENCE NO.	REFERENCE NO.
9-05010-58 MAHLE: 011 03 00 KS:97 363 600	8-96062-027-0 8-92062-028-0 8-92064-589-0 8-92064-591-0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 10.00 mm

15

X22SE-II — **2198 cc** — 4 cyl.
RODEO

Ø	86.00	+1.2
CD	27.60	
TL	53.70	

1 - 1.2
1 - 1.5
1 - 2.5

Ø 21.000
TL 61.50

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39230	R 39230	P 56104

REFERENCE NO.	REFERENCE NO.
8-92064-692-0 8-92064-693-0	8-92065-115-0 8-92065-116-0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.00 mm

16

LUV — **2200 cc** — 4 cyl.
(MOT. ISUZU)
CAMIÓN/TRUCK LUV 03-05
L4 DOHC 16 VÁLV.

Ø	86.00	-7.1
CD	30.00	
TL	50.10	

2 - 1.5
1 - 3.0

Ø 21.000
TL 61.50

TL 140.0
OD 89.0

TEIKIN NO. LKSX 39233

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39233	R 39211	P 56104	LSX 39211

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
8-92062-633-0	8-96062-027-0 8-92062-028-0 8-92064-589-0 8-92064-591-0	

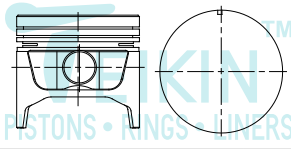
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 6.50 mm

17

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

G200Z — 1949 cc — 4 cyl.
1979

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 87.00	2 - 1.5	Ø 22.000		TL	150.0	TEIKIN NO.
		TL 79.00		OD	91.0	LKSX 39119
CD 36.95						
TL 79.90	1 - 4.0					
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
39119	R 39119	P 43153		LSX 39119		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.		
8-94237-469-1	8-94130-295-0					
	8-94231-817-0					
	8-94248-831-0					
	8-94248-847-0					

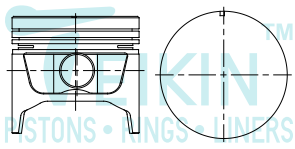


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 24.50 mm

18

G200Z-II — 1949 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 87.00	2 - 2.0	Ø 22.000		TL	150.0	TEIKIN NO.
		TL 79.00		OD	91.0	LKSX 39226
CD 37.00						
TL 80.00	1 - 4.0					
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
39226 (39610)	R 39226	P 43153		LSX 39119		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.		
8-94213-831-0	8-94216-641-0					
8-94271-840-0						
8-94271-890-0						

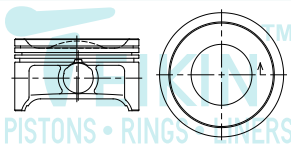


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 24.50 mm

19

DIMAX 2.4L — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 87.50	1 - 1.2	Ø 21.000				
-6.4	1 - 1.5	TL 61.50				
CD 27.30						
TL 50.30	1 - 2.5					
TEIKIN NO.		TEIKIN NO.				
39235		P 56104				
REFERENCE NO.						
8-93292-774-0						
8-93325-189-0						
93325556						

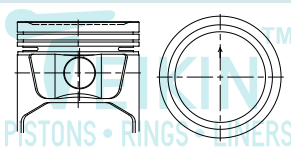


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 10.00 mm

20

4ZC1 — 1994 cc — 4 cyl.
WFR 2.01
1986-ON

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 88.00	2 - 1.5	Ø 22.000				
-2.1		TL 69.50				
CD 37.00						
TL 80.00	1 - 4.0					
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.				
39175	R 39175	P 46202				
REFERENCE NO.	REFERENCE NO.					
8-94175-087-2	8-94119-545-0					
8-94224-314-0	8-94133-032-0					
	8-94133-033-0					
	8-94143-049-0					



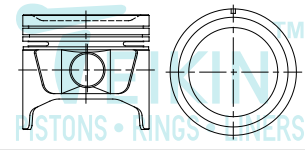
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 23.50 mm

21

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET

4ZD1 — 2254 cc — 4 cyl.

PICK UP 1986 - 87
TROOPER II 1986 - 87
AMIGO 1989 - 93
IMPULSE 1988 - 89



Ø	89.30	-4.2
CD	39.00	
TL	81.00	

2 - 1.5
1 - 4.0

Ø	23.000
TL	80.00

TL	150.0
OD	93.3

TEIKIN NO. **LKSX 39176**

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39176	**R 39176**	**P 39176**	**LSX 39176**

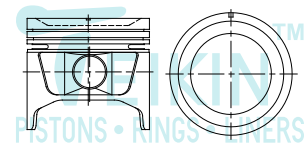
Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.026 mm MP: 23.00 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
8-94438-625-2	8-94136-778-0/1	
8-94439-301-2	8-94153-966-0/1-2	
8-94136-777-3	8-94337-245-1	
	8-94337-296-1	

22

4ZD1-II — 2254 cc — 4 cyl.



Ø	89.30	-5.2
CD	39.00	
TL	81.00	

2 - 1.5
1 - 4.0

Ø	23.000
TL	80.00

TL	150.0
OD	93.3

TEIKIN NO. **LKSX 39228**

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39228	**R 39176**	**P 39176**	**LSX 39176**

Surface Treatment: None

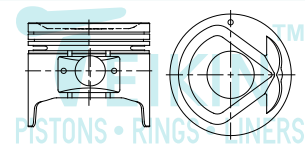
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 23.00 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
8-94156-657-0	8-94136-778-0/1	
8-94413-459-0	8-94153-966-0/1-2	
	8-94337-245-1	
	8-94337-296-1	

23

4ZE1 — 2559 cc — 4 cyl.

C & FI SOHC 4
PICK UP, AMIGO, RODEO
1994-96



Ø	92.60	-4.6
CD	36.50	
TL	79.05	

2 - 1.5
1 - 4.0

Ø	23.000
TL	80.00

TL	160.0
OD	96.6

TEIKIN NO. **LKSX 39185**

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39185	**R 39185**	**P 39176**	**LSX 39185**

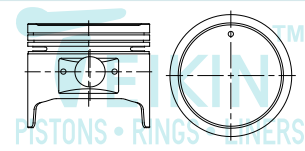
Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 24.00 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
8-97037-801-1	8-94320-180-0	
8-97037-801-0	8-94320-181-0	
8-97069-548-1	8-94337-249-0	
	8-94337-250-0	

24

4ZE1-II — 2559 cc — 4 cyl.



Ø	92.60	-1.3
CD	36.50	
TL	78.90	

2 - 1.5
1 - 4.0

Ø	23.000
TL	80.00

TL	160.0
OD	96.6

TEIKIN NO. **LKSX 39604**

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39604 (39212)	**R 39185**	**P 39176**	**LSX 39185**

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 24.50 mm

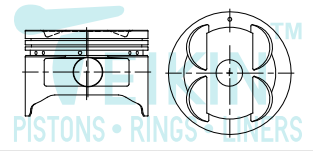
REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
8-94163-189-2	8-94320-180-0	
8-94163-189-1	8-94320-181-0	
8-94163-189-3	8-94337-249-0	
8-94319-522-0	8-94337-250-0	
8-94319-523-0		

25

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

6VD1 — 3165 cc — 6 cyl.

DOHC V6
TROOPER, RODEO
1992-96



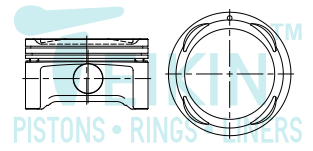
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 19.50 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 93.40	2 - 1.5	Ø 22.000		TL		177.8	TEIKIN NO.
-0.7		TL 66.00		OD		97.4	LKSX 39186
CD 31.75							
TL 65.20	1 - 4.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
39186	R 39186	P 39104		LSX 39186			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
8-94374-965-1	8-97127-562-0						
9-12211-034-1	8-97162-198-0						
	8-97307-372-0						

26

6VE1 — 6 cyl.

DIMAX 3.5L

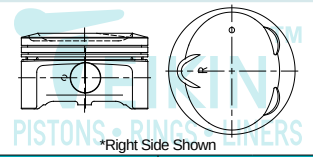


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 7.90 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 93.40	2 - 1.2	Ø 22.000					
-4.2		TL 66.00					
CD 29.70							
TL 52.70	1 - 2.0						
TEIKIN NO.		TEIKIN NO.					
39234		P 39104					
REFERENCE NO.							
8-97358-040-0							

27

6VE1-III — 6 cyl.



*Right Side Shown

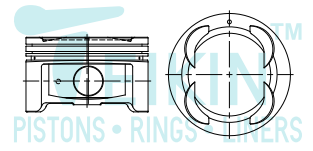
Surface Treatment	Bore Clearance
Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 7.90 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 93.40	2 - 1.2	Ø 21.950					
+3.0		TL 60.50					
CD 29.80							
TL 55.80	1 - 2.0						
TEIKIN NO.		TEIKIN NO.					
39237		P 39237					
REFERENCE NO.							
8973689700 (R/L)							
89736889680							

28

6VD1-IV — 3165 cc — 6 cyl.

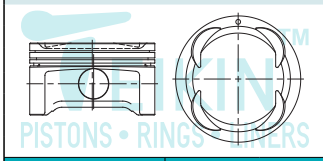
PICK UP
TFR/TFS
(97-)
DOHC 24V



Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 8.50 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 93.40	2 - 1.5	Ø 22.000					
-2.0		TL 66.00					
CD 33.40							
TL 57.00	1 - 3.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.					
39243	R 39673	P 39104					
REFERENCE NO.	REFERENCE NO.						
8-97180-192-0	8-97136-135-0						
8-97180-193-0	8-97170-113-0						
8-97180-194-0							

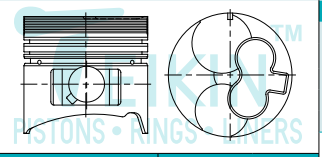
29

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET
6VE1-II **3494 cc** 6 cyl.	Ø **93.40** -3.0 CD 29.70 TL 52.70	2 - 1.5 1 - 3.0	Ø 22.000 TL 66.00					
	**TEIKIN NO.** **39673**	**TEIKIN NO.** **R 39673**	**TEIKIN NO.** **P 39104**					
Surface Treatment Tin Coated	**Bore Clearance** MRC: 0.030 mm MP: 7.90 mm	**REFERENCE NO.** 8-97136-315-3 8-97167-093-2 8-97167-094-2	**REFERENCE NO.** 8-97136-135-0 8-97170-113-0					

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

4EC1 OLD — 1487 cc — 4 cyl.

Ø 76.00	1 - 2.0	Ø 22.000		TL 145.0	140.0	TEIKIN NO.
-1.5	1 - 1.5	TL 60.00		OD 80.0	80.0	LKSF 39170
CD 41.70				FT 5.0		LKSX 39170
TL 71.80	1 - 3.0			FD 84.0		LKSF 39170A
						LKSX 39170A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
39170	R 39170	P 34102	B 39170	LSF 39170		
39170A				LSX 39170		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
8-94129-828-0	8-94144-187-0		8-94251-216-1			
8-94129-828-1	8-94332-767-1					
	8-94342-490-0					

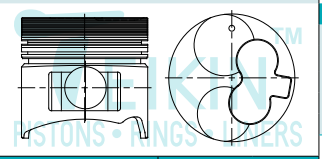


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.50 mm

31

4EC1 TURBO — 1487 cc — 4 cyl.

Ø 76.00	1 - 2.0	Ø 25.000		TL 145.0	140.0	TEIKIN NO.
-1.5	1 - 1.5	TL 60.00		OD 80.0	80.0	LKSF 39179
CD 41.70				FT 5.0		LKSX 39179
TL 71.65	1 - 3.0			FD 84.0		LKSF 39179A
						LKSX 39179A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
39179	R 39170	P 39179	B 39179	LSF 39170		
39179A				LSX 39170		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
8-94129-431-0	8-94144-187-0		5-12251-007-0			
8-94129-276-4	8-94332-767-1		8-94114-054-0			
	8-94342-490-0					

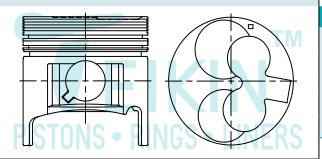


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.00 mm

32

4EE1-T — 1686 cc — 4 cyl.

Ø 79.00	1 - 2.0	Ø 27.000		TL 144.0	144.0	TEIKIN NO.
-1.5	1 - 1.5	TL 64.00		OD 83.0	83.0	LKSF 39189
CD 39.70				FT 2.0		LKSX 39189
TL 69.75	1 - 3.0			FD 87.0		LKSF 39189A
						LKSX 39189A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
39189	R 39189	P 39189	B 39189	LSF 39189		
39189A				LSX 39189		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
8-97043-772-0	8-94381-709-0		8-94369-904-0			
8-97043-773-0	8-94381-709-1					

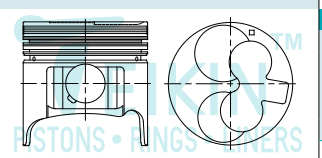


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.00 mm

33

4EE1 — 1686 cc — 4 cyl.
CORSA 1.7L

Ø 79.00	1 - 2.0	Ø 25.000		TL 144.0	144.0	TEIKIN NO.
-1.7	1 - 1.5	TL 60.00		OD 83.0	83.0	LKSF 39668A
CD 39.70				FT 2.0		LKSX 39668A
TL 79.70	1 - 3.0			FD 87.0		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
39668A	R 39189	P 39668	B 39179	LSF 39189		
				LSX 39189		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
8-97129-437-0	8-94381-709-0		5-12251-007-0			
8-97129-437-1	8-94381-709-1		8-94114-054-0			
8-97129-437-2						



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 23.00 mm

34

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

C-221-II — 2207 cc — 4 cyl.

Ø	83.00	-3.0
CD	48.50	
TL	95.50	

RINGS
3 - 2.0
2 - 5.0

Ø	25.000
TL	72.50

TL	174.5		
OD	86.0		
FT	1.4		
FD	92.0		

TEIKIN NO.
LKCF 39620

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED
TEIKIN NO. 39620 (39216)	TEIKIN NO. R 39620	TEIKIN NO. P 39620	TEIKIN NO. B 39620	TEIKIN NO. LCF 39620
				Surface Treatment: None
REFERENCE NO. 9-12111-646-0, 5-12111-065-0	REFERENCE NO. 5-12121-013-0, 5-12121-014-0, 5-12121-015-0, 5-12181-122-0		REFERENCE NO. 9-12251-038-0, 9-12251-048-0, 9-12251-061-0	REFERENCE NO. 9-11261-253-0, 9-11261-253-1

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 10.00 mm

35

4FC1 — 1995 cc — 4 cyl.

Ø	84.00	-1.8
CD	46.70	
TL	76.70	

RINGS
1 - 2.5
1 - 2.0
1 - 4.0

Ø	25.000
TL	67.00

TL	172.0		150.0
OD	88.0		88.0
FT	4.0		
FD	92.0		

TEIKIN NO.
LKSF 39157
LKSX 39157
LKSF 39157A
LKSX 39157A

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED
TEIKIN NO. 39157, 39157A	TEIKIN NO. R 39157	TEIKIN NO. P 39157	TEIKIN NO. B 39157	TEIKIN NO. LSF 39157, LSX 39157
				Surface Treatment: None
REFERENCE NO. 8-94111-655-1, 8-94228-887-0, 8-94228-887-1	REFERENCE NO. 8-94139-973-0, 8-94224-221-0		REFERENCE NO. 5-12251-007-0	REFERENCE NO. 5-11261-119-0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 12.40 mm

36

4FB1 — 1817 cc — 4 cyl.

Ø	84.00	-1.9
CD	44.70	
TL	74.70	

RINGS
1 - 2.5
1 - 2.0
1 - 4.0

Ø	25.000
TL	67.00

TL	172.0		150.0
OD	88.0		88.0
FT	4.0		
FD	92.0		

TEIKIN NO.
LKSF 39183
LKSX 39183
LKSF 39183A
LKSX 39183A

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED
TEIKIN NO. 39183, 39183A	TEIKIN NO. R 39157	TEIKIN NO. P 39157	TEIKIN NO. B 39157	TEIKIN NO. LSF 39157, LSX 39157
				Surface Treatment: None
REFERENCE NO. 8-94228-886-2, 8-94201-492-0, 8-94235-962-0	REFERENCE NO. 8-94139-973-0, 8-94224-221-0		REFERENCE NO. 5-12251-007-0	REFERENCE NO. 5-11261-119-0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 12.00 mm

37

C-240 OLD — 2369 cc — 4 cyl.

Ø	86.00	-3.0
CD	51.50	
TL	95.40	

RINGS
3 - 2.0
1 - 5.0

Ø	27.000
TL	72.00

TL	178.5		
OD	90.1		
FT	4.0		
FD	94.0		
	*DIMENSION	IS FOR LSF	

TEIKIN NO.
LKCF 39125
LKSF 39125
LKCF 39125A
LKSF 39125A

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED
TEIKIN NO. 39125, 39125A	TEIKIN NO. R 39125	TEIKIN NO. P 39125	TEIKIN NO. B 39125	TEIKIN NO. LCF 39125, LSF 39125
				Surface Treatment: None
REFERENCE NO. 9-12111-813-0, 5-12111-064-0, 5-12411-064-0	REFERENCE NO. 5-12121-007-0, 5-12181-027-0, 5-12181-028-0, 9-12181-603-0		REFERENCE NO. 9-12251-062-0	REFERENCE NO. 9-11261-230-0, 9-11261-230-1

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 24.00 mm

38

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET

C-190 — 2369 cc — 4 cyl.

C-240 NEW
1971

Ø	86.00 / -2.7	3 - 2.0	Ø 27.000		TL	178.5		TEIKIN NO.
CD	51.60		TL 72.00		OD	90.1		LKCF 39127
TL	95.60	1 - 5.0			FT	4.0		LKSF 39127
					FD	94.0		LKCF 39127A
						*DIMENSION	IS FOR LSF	LKSF 39127A
TEIKIN NO.	39127, 39127A	R 39125	P 39125	B 39125		LCF 39125, LSF 39125		
REFERENCE NO.	5-12111-119-0, 5-12111-203-0, 5-12111-137-0, 5-12111-202-0	5-12121-007-0, 5-12181-027-0, 5-12181-028-0, 9-12181-603-0		9-12251-062-0		9-11261-230-0, 9-11261-230-1		

Surface Treatment: None

Surface Treatment: Tin Coated — Bore Clearance: MRC: 0.070 mm, MP: 22.30 mm

39

C-190-3R — 1951 cc — 4 cyl.

C-240

Ø	86.00 / -2.0	1 - 2.5 / 1 - 2.0	Ø 27.000		TL	163.0		TEIKIN NO.
CD	51.50		TL 68.00		OD	90.1		LKCF 39128
TL	96.60	1 - 5.0			FT	4.0		LKSF 39128
					FD	94.0		LKCF 39128A
						*DIMENSION	IS FOR LSF	LKSF 39128A
TEIKIN NO.	39128, 39128A	R 39128	P 39130	B 39128		LCF 39128, LSF 39128		
REFERENCE NO.	5-12111-225-0, 5-12111-226-0	5-12121-021-0, 8-94104-949-0		5-12251-005-0, 5-12251-007-0, 9-12251-005-0		9-11261-224-0, 9-11261-224-1		

Surface Treatment: None

Surface Treatment: Tin Coated — Bore Clearance: MRC: 0.070 mm, MP: 23.00 mm

40

C-240 — 2369 cc — 4 cyl.

Ø	86.00 / -2.6	1 - 2.5 / 1 - 2.0	Ø 27.000		TL	178.5		TEIKIN NO.
CD	51.50		TL 68.00		OD	90.1		LKCF 39621
TL	84.50	1 - 5.0			FT	4.0		LKSF 39621
					FD	94.0		LKCF 39621A
						*DIMENSION	IS FOR LSF	LKSF 39621A
TEIKIN NO.	39621, 39621A	R 39128	P 39130	B 39128		LCF 39125, LSF 39125		
REFERENCE NO.	8-94326-225-0	5-12121-021-0, 8-94104-949-0		5-12251-005-0, 5-12251-007-0, 9-12251-005-0		9-11261-230-0, 9-11261-230-1		

Surface Treatment: None

Surface Treatment: Tin Coated — Bore Clearance: MRC: 0.020 mm, MP: 15.00 mm

41

C-223 — 2238 cc — 4 cyl.

Ø	88.00 / -2.3	2 - 2.0	Ø 27.000		TL	164.0		TEIKIN NO.
CD	47.60		TL 68.00		OD	92.2		LKCF 39130
TL	82.70	1 - 4.0			FT	5.0		LKSF 39130
					FD	96.0		LKCF 39130A
						*DIMENSION	IS FOR LSF	LKSF 39130A
TEIKIN NO.	39130, 39130A	R 39130	P 39130	B 39128		LCF 39130, LSF 39130		
REFERENCE NO.	8-94250-729-0	8-94253-736-0		5-12251-005-0, 5-12251-007-0, 9-12251-005-0		5-11261-015-0, 5-11261-015-2, 8-94169-883-1		

Surface Treatment: None

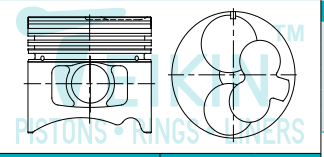
Surface Treatment: Tin Coated — Bore Clearance: MRC: 0.050 mm, MP: 13.65 mm

42

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

4FD1 — 2189 cc — 4 cyl.

Ø 88.00	2 - 2.0	Ø 27.000			TL	169.0	165.0	TEIKIN NO.
-2.2		TL 68.00			OD	92.0	92.0	LKSF 39159
CD 46.70					FT	4.0		LKSX 39159
TL 80.65	1 - 4.0				FD	96.0		LKSF 39159A
								LKSX 39159A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
39159	R 39159	P 39130	B 39159		LSF 39159			
39159A					LSX 39159			
					Surface Treatment			
					None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.			
8-94105-454-0	8-94250-730-0		8-94247-838-0		8-94286-454-0			

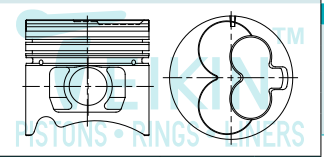


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 12.00 mm

43

C-223-II — 2238 cc — 4 cyl.

Ø 88.00	2 - 2.0	Ø 27.000						
-3.4		TL 68.00						
CD 47.60								
TL 82.70	1 - 4.0							
TEIKIN NO.		TEIKIN NO.						
39218		P 39130						
39218A								
REFERENCE NO.								

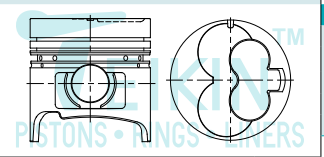


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 13.65 mm

44

C-223 OLD — 2238 cc — 4 cyl.

Ø 88.00	1 - 2.5	Ø 27.000			TL	164.0		TEIKIN NO.
-2.5	1 - 2.0	TL 68.00			OD	92.2		LKCF 39601
CD 47.50					FT	5.0		LKSF 39601
TL 90.00	1 - 4.5				FD	96.0		LKCF 39601A
						*DIMENSION	IS FOR LSF	LKSF 39601A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
39601	R 39601	P 39130	B 39128		LCF 39130			
39601A					LSF 39130			
					Surface Treatment			
					None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.			
5-12111-212-0	5-12121-017-0		5-12251-005-0		5-11261-015-0			
	5-12121-024-0		5-12251-007-0		5-11261-015-2			
			9-12251-005-0		8-94169-883-1			

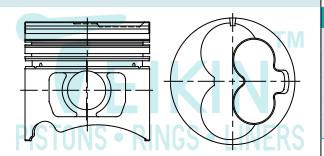


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 21.00 mm

45

C-223-T — 2238 cc — 4 cyl.

Ø 88.00	1 - 2.5	Ø 29.000			TL	164.0		TEIKIN NO.
-1.8	1 - 2.0	TL 68.00			OD	92.2		LKCF 39609
CD 47.60					FT	5.0		LKSF 39609
TL 82.60	1 - 4.0				FD	96.0		LKCF 39609A
						*DIMENSION	IS FOR LSF	LKSF 39609A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
39609	R 39609	P 39609	B 39609		LCF 39130			
39609A					LSF 39130			
(39198)					Surface Treatment			
					None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.			
8-94118-826-0	8-94158-084-0				5-11261-015-0			
					5-11261-015-2			
					8-94169-883-1			



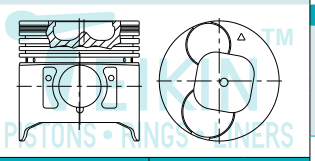
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 14.00 mm

46

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

C 2.2 — 2189 cc — 4 cyl.

Ø	88.00	3 - 2.0	Ø	31.000		TL	152.0	152.0	TEIKIN NO.
	-14.1		TL	71.00		OD	91.55	91.55	LKSF 39684
CD	47.80					FT	4.0		LKSX 39684
TL	87.80	1 - 4.0				FD	92.5		
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.			TEIKIN NO.			
39684		R 39684	P 39684			LSF 39684 LSX 39684			
						Surface Treatment			
						None			
REFERENCE NO.		REFERENCE NO.				REFERENCE NO.			
		8-94417-175-0							

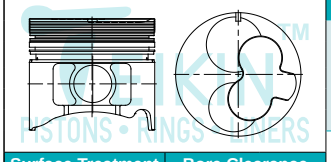


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 30.00 mm

47

4FG1 — 2380 cc — 4 cyl.

Ø	89.30	2 - 2.0	Ø	27.000		TL	194.5	190.5	TEIKIN NO.
	-2.8		TL	68.00		OD	93.3	93.3	LKFX 39602
CD	47.20					FT	4.0		LKSF 39602
TL	80.70	1 - 4.0				FD	97.3		LKSX 39602
									LKFX 39602A
									LKSF 39602A
									LKSX 39602A
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.	TEIKIN NO.			
39602 39602A (39193)		R 39602	P 39130		B 39159	LFX 39602 LSF 39602 LSX 39602			
						Surface Treatment			
						None			
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.	REFERENCE NO.			
8-94329-493-0		8-94329-626-0			8-94247-838-0				
8-94454-813-0		8-94469-634-0							
8-97073-851-0									
8-97115-172-0									

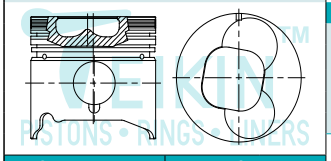


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.00 mm

48

4JA1 — 2499 cc — 4 cyl.

Ø	93.00	2 - 2.0	Ø	31.000		TL	156.3		TEIKIN NO.
	-14.6		TL	77.00		OD	98.0		LKCF 39162
CD	47.80					FT	4.0		LKSF 39162
TL	87.85	1 - 4.0				FD	102.0		LKCF 39162A
									LKSF 39162A
							*DIMENSION	IS FOR LSF	
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.	TEIKIN NO.			
39162 39162A		R 39162	P 39162		B 39162	LCF 39162 LSF 39162			
						Surface Treatment			
						None			
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.	REFERENCE NO.			
8-94152-712-1		8-94247-867-0			8-94247-968-0	8-94110-144-0			
8-94369-281-0		8-94247-867-1			8-94419-455-0	8-94462-130-0			
		8-97319-087-0				8-97176-691-0			

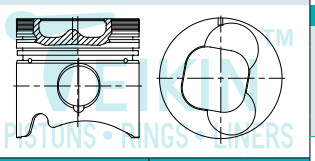


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.00 mm

49

4JB1 — 2771 cc — 4 cyl.

Ø	93.00	2 - 2.0	Ø	31.000		TL	181.0		TEIKIN NO.
	-14.4		TL	77.00		OD	98.0		LKCF 39163
CD	51.90					FT	4.0		LKFF 39163
TL	91.80	1 - 4.0				FD	102.0		LKSF 39163
									LKCF 39163A
							*DIMENSION	IS FOR LSF	LKFF 39163A
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.	TEIKIN NO.			LKSF 39163A
39163 39163A		R 39162	P 39162		B 39162	LCF 39163 LFF 39163 LSF 39163			
						Surface Treatment			
						None			
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.	REFERENCE NO.			
8-94152-711-1		8-94247-867-0			8-94247-968-0	8-94247-861-0			
8-94152-711-0		8-94247-867-1			8-94419-455-0	8-94247-861-2			
8-94433-177-1		8-97319-087-0							
8-94445-718-0									



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.00 mm

50

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

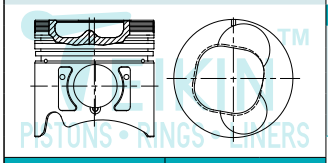
4JB1-T — 2771 cc — 4 cyl.

Ø	93.00	-13.6
CD	51.85	
TL	91.80	

2 - 2.0
1 - 4.0

Ø	34.000
TL	78.00

TL	181.0		
OD	98.0		
FT	4.0		
FD	102.0		
	*DIMENSION	IS FOR LSF	



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.00 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39188 39188A	R 39162	P 39188	B 39188	LCF 39163 LFF 39163 LSF 39163 Surface Treatment: None
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-97176-602-0 8-94340-620-2 8-94369-218-0	8-94247-867-0 8-94247-867-1 8-97319-087-0		8-84457-158-0	8-94247-861-0 8-94247-861-2

TEIKIN NO.
LKCF 39188 LKFF 39188 LKSF 39188 LKCF 39188A LKFF 39188A LKSF 39188A

51

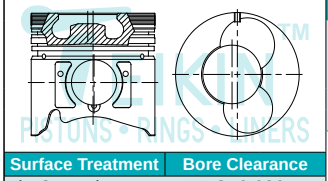
4JB1-T LATE — 2771 cc — 4 cyl.

Ø	93.00	-19.3
CD	51.90	
TL	91.80	

2 - 2.0
1 - 4.0

Ø	34.000
TL	78.00

TL	181.0		
OD	98.0		
FT	4.0		
FD	102.0		
	*DIMENSION	IS FOR LSF	



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.00 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39190 39190A	R 39162	P 39188	B 39188	LCF 39163 LFF 39163 LSF 39163 Surface Treatment: None
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-97108-621-0 8-94460-887-1	8-94247-867-0 8-94247-867-1 8-97319-087-0		8-84457-158-0	8-94247-861-0 8-94247-861-2

TEIKIN NO.
LKCF 39190 LKFF 39190 LKSF 39190 LKCF 39190A LKFF 39190A LKSF 39190A

52

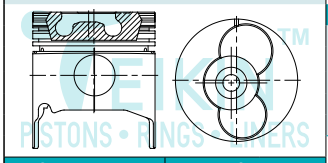
4JA1T NEW — DIMAX 2.5L — 4 cyl.

Ø	93.00	-17.3
CD	47.80	
TL	102.80	

2 - 2.0
1 - 4.0

Ø	31.000
TL	76.00

TL	156.3		
OD	98.0		
FT	4.0		
FD	102.0		
	*DIMENSION	IS FOR LSF	



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 34.20 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39231 39231A	R 39162	P 39232	B 39162	LCF 39162 LSF 39162 Surface Treatment: None
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-97942-985-0 8-97176-691-0 8-97176-695-0	8-94247-867-0 8-94247-867-1 8-97319-087-0		8-94247-968-0 8-94419-455-0	8-94110-144-0 8-94462-130-0 8-97176-691-0

TEIKIN NO.
LKCF 39231 LKSF 39231 LKCF 39231A LKSF 39231A

53

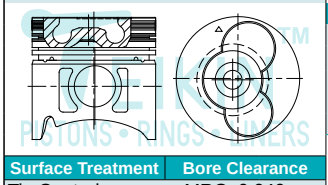
4JB1 LATE — 2771 cc — 4 cyl.

Ø	93.00	-19.6
CD	51.80	
TL	91.80	

2 - 2.0
1 - 4.0

Ø	31.000
TL	77.00

TL	181.0		
OD	98.0		
FT	4.0		
FD	102.0		
	*DIMENSION	IS FOR LSF	



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 19.00 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39656A	R 39162	P 39162	B 39162	LCF 39163 LFF 39163 LSF 39163 Surface Treatment: None
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-97176-606-0	8-94247-867-0 8-94247-867-1 8-97319-087-0		8-94247-968-0 8-94419-455-0	8-94247-861-0 8-94247-861-2

TEIKIN NO.
LKCF 39656A LKFF 39656A LKSF 39656A

54

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

4JA1 LATE — 2499 cc — 4 cyl.

Ø	93.00	-17.5
CD	47.80	
TL	87.80	

2 - 2.0
1 - 4.0

Ø	31.000
TL	76.00

		IS FOR LSF
TL	156.3	
OD	98.0	
FT	4.0	
FD	102.0	
*DIMENSION		

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39658A	R 39162	P 39232	B 39162	LCF 39162 LSF 39162

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
8-94436-892-0 8-97089-892-0 8-97109-181-0 8-97176-601-0	8-94247-867-0 8-94247-867-1 8-97319-087-0		8-94247-968-0 8-94419-455-0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.00 mm

TEIKIN NO.
LKCF 39658A LKSF 39658A

55

4JH1-TC — 3000 cc — 4 cyl.
DIMAX 3.0L

Ø	95.40	-20.1
CD	49.90	
TL	88.90	

1 - 2.5
1 - 2.0
1 - 3.0

Ø	31.000
TL	76.00

		IS FOR LSF
TL	181.5	
OD	100.0	
FT	4.0	
FD	103.3	
*DIMENSION		

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39232AG	R 39232	P 39232	LCF 39232 LSF 39232

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
8-97305-585-3 8-97305-586-1	8-97941-122-0 8-97259-941-0	8-97176-702-0 8-94456-791-0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.00 mm

TEIKIN NO.
LKCF 39232AG LKSF 39232AG

56

4JK1-TCS/4JK1-TCX — 2499 cc — 4 cyl.
TFR, TFS, UCR, UCS
2011-

Ø	95.40	-16.8
CD	58.50	
TL	87.20	

1 - 2.0 HK
1 - 1.5
1 - 3.0

Ø	34.000
TL	78.00

			IS FOR LSF
TL	180.0	177.0	
OD	99.4	99.4	
FT	4.0		
FD	103.4		

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39245AG	R 39245	P 39188	B 39674	LFF 39661 LSF 39661 LSX 39661

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
8-98132-548-1 8-98132-549-1 8-98132-550-1 8-98132-707-1 8-98132-708-1	8-98171-040-0 8-98171-041-0 8-98171-042-0 8-98171-043-0		8-97311-438-0 8-97383-066-0

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

TEIKIN NO.
LKFF 39245AG LKSF 39245AG LKSX 39245AG

57

4JG2 EARLY — 3059 cc — 4 cyl.

Ø	95.40	-2.7
CD	49.20	
TL	89.20	

1 - 2.5
1 - 2.0
1 - 4.0

Ø	34.000
TL	78.00

		IS FOR LSF
TL	181.5	
OD	100.0	
FT	4.0	
FD	103.3	
*DIMENSION		

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39600 39600A (39195)	R 39600	P 39188	B 39188	LCF 39232 LSF 39232

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
8-97073-647-1	8-97080-215-0		8-84457-158-0

REFERENCE NO.
8-97176-702-0 8-94456-791-0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 17.80 mm

TEIKIN NO.
LKCF 39600 LKSF 39600 LKCF 39600A LKSF 39600A

58

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

4JG2-T — 3059 cc — 4 cyl.

Ø	95.40	-2.8
CD	49.10	
TL	89.10	

1 - 2.5
1 - 2.0
1 - 4.0

Ø	34.000
TL	78.00

TL	181.5		
OD	100.0		
FT	4.0		
FD	103.3		
	*DIMENSION	IS FOR LSF	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39608AG (39196)	R 39600	P 39188	B 39188	LCF 39232 LSF 39232

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-97086-449-0 8-97176-622-0 8-97176-623-0	8-97080-215-0		8-84457-158-0	8-97176-702-0 8-94456-791-0

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.030 mm MP: 19.00 mm

TEIKIN NO.: LKCF 39608AG, LKSF 39608AG

59

4JG2-T NEW — 3059 cc — 4 cyl.

Ø	95.40	-1.4
CD	49.20	
TL	89.20	

1 - 2.5
1 - 2.0
1 - 4.0

Ø	34.000
TL	78.00

TL	181.5		
OD	100.0		
FT	4.0		
FD	103.3		
	*DIMENSION	IS FOR LSF	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39660AG	R 39600	P 39188	B 39188	LCF 39232 LSF 39232

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-97176-624-0 8-97176-624-1 8-97176-625-0 8-97176-625-1	8-97080-215-0		8-84457-158-0	8-97176-702-0 8-94456-791-0

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.030 mm MP: 19.00 mm

TEIKIN NO.: LKCF 39660AG, LKSF 39660AG

60

4JX1 — 2999 cc — 4 cyl.

Ø	95.40	-17.4
CD	50.00	
TL	101.70	

1 - 2.5 FK
1 - 2.0
1 - 4.0

Ø	31.000
TL	76.00

TL	180.0	177.0	
OD	99.4	99.4	
FT	4.0		
FD	103.4		

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39661AG	R 39661	P 39232	B 39162	LFF 39661 LSF 39661 LSX 39661

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-97182-768-1 8-97263-264-2	8-97184-533-0		8-94247-968-0 8-94419-455-0	

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown	MRC: 0.040 mm MP: 17.00 mm

TEIKIN NO.: LKFF 39661AG, LKSF 39661AG, LKSX 39661AG

61

4JG2-T-II — 3059 cc — 4 cyl.

Ø	95.40	-2.9
CD	49.30	
TL	89.30	

1 - 2.5 FK
1 - 2.0
1 - 4.0

Ø	34.000
TL	78.00

TL	181.5		
OD	100.0		
FT	4.0		
FD	103.3		
	*DIMENSION	IS FOR LSF	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39669AG	R 39669	P 39188	B 39188	LCF 39232 LSF 39232

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-97176-620-0 8-97176-621-0	8-94370-449-0		8-84457-158-0	8-97176-702-0 8-94456-791-0

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.030 mm MP: 18.30 mm

TEIKIN NO.: LKCF 39669AG, LKSF 39669AG

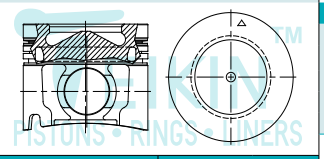
62

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

4JJ1-TC CRDI — 2999 cc — 4 cyl.

UCR-UCS-LHD

Ø	95.40	1 - 2.0 HK	Ø	34.000	TL	180.0	177.0	TEIKIN NO.
	-16.2	1 - 1.5	TL	78.00	OD	99.4	99.4	LKFF 39674AG
CD	49.80				FT	4.0		LKSF 39674AG
TL	78.50	1 - 3.0			FD	103.4		LKSX 39674AG
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
39674AG		R 39674	P 39188		B 39674			
						LFF 39661		
						LSF 39661		
						LSX 39661		
					Surface Treatment			
					None			
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.			
8-97367-397-1		8-97388-734-0			8-97311-438-0			
8-97367-398-1		8-97389-284-0			8-97383-066-0			
8-97367-399-1		8-98096-676-0						
8-97388-327-0								
8-98028-116-0								

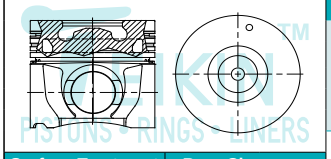


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.040 mm MP: 7.00 mm

63

4JK1-TC — 2999 cc — 4 cyl.

Ø	95.40	1 - 2.0 HK	Ø	34.000	TL	180.0	177.0	TEIKIN NO.
	-16.7	1 - 1.5	TL	78.00	OD	99.4	99.4	LKFF 39675AG
CD	58.50				FT	4.0		LKSF 39675AG
TL	87.20	1 - 3.0			FD	103.4		LKSX 39675AG
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
39675AG		R 39674	P 39188		B 39674			
						LFF 39661		
						LSF 39661		
						LSX 39661		
					Surface Treatment			
					None			
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.			
8-97355-672-2		8-97388-734-0			8-97311-438-0			
		8-97389-284-0			8-97383-066-0			
		8-98096-676-0						



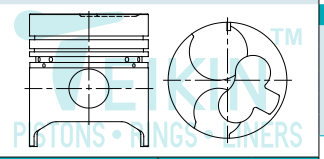
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.060 mm MP: 10.00 mm

64

4BA1 — 2775 cc — 4 cyl.

1973

Ø	98.00	1 - 3.0	Ø	33.000	TL	180.0		TEIKIN NO.
	-2.0	1 - 2.5	TL	85.00	OD	102.2		LKCF 39160
CD	62.60				FT	4.0		LKSF 39160
TL	112.30	1 - 5.0			FD	108.0		LKCF 39160A
						*DIMENSION	IS FOR LSF	LKSF 39160A
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
39160		R 39160	P 39160		B 39160			
39160A						LCF 39160		
						LSF 39160		
					Surface Treatment			
					None			
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.			
5-12111-055-1		5-12121-001-0			9-12251-059-0			
		5-12121-019-0						
		5-12181-025-0						
		9-12181-601-0						

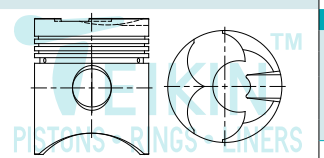


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 27.00 mm

65

DA220 — 4084 cc — 4 cyl.

Ø	100.00	3 - 2.5	Ø	34.000	TL	220.0		TEIKIN NO.
	-5.5		TL	83.50	OD	113.0		LKFF 39137-4
CD	62.00				FT	8.0		
TL	125.00	1 - 5.0			FD	119.0		
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
39137-4		R 39137-4	P 39138		B 39137			
						LFF 39137-4		
					Surface Treatment			
					None			
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.			
1-12111-126-0		1-12121-001-0			9-12251-083-0			
9-12111-126-0		1-12181-005-0						
9-12111-376-0		1-12181-006-0						
9-12111-901-0		1-12181-038-0						



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 22.00 mm

66

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

DA-120-4R — 6126 cc — 6 cyl. — 1966

Ø	100.00	-5.5
CD	62.00	
TL	125.00	

RINGS: 3 - 2.5 / 1 - 5.0

Ø	34.000
TL	83.50

TL	220.0	
OD	113.0	
FT	8.0	
FD	119.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39137	R 39137	P 39138	B 39137	LFF 39137

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
9-12111-901-0	1-12121-001-0	9-12251-083-0	9-11261-276-0
1-12111-126-0	1-12181-005-0		9-11261-287-0
9-12111-126-0	1-12181-036-0		9-11261-287-1
9-12111-376-0	1-12181-087-0		

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 32.50 mm

TEIKIN NO.: LKFF 39137

67

DA-120-5R — 6126 cc — 6 cyl. — 1961-66

Ø	100.00	-5.5
CD	62.00	
TL	125.00	

RINGS: 3 - 2.5 / 2 - 4.0

Ø	34.000
TL	83.50

TEIKIN NO.	TEIKIN NO.
39138	P 39138

REFERENCE NO.
9-12111-196-0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 28.50 mm

68

4BC1 — 3268 cc — 4 cyl. — 1979

Ø	102.00	-2.3
CD	58.50	
TL	112.10	

RINGS: 1 - 3.0 / 1 - 2.5 / 1 - 5.0

Ø	33.000
TL	83.00

TL	187.0	
OD	106.0	
FT	4.0	
FD	112.0	
	*DIMENSION	IS FOR LFF

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39165 39165A	R 39165	P 39165	B 39165	LCF 39165 LFF 39165 LSF 39165

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
5-12111-172-1	5-12121-004-0	5-12251-010-0	5-11261-014-0
5-12111-188-1	5-12121-005-0	9-12251-603-0	5-11261-014-2
	5-12181-003-1		
	5-45454-004-2		

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 32.15 mm

TEIKIN NO.: LKCF 39165, LKFF 39165, LKSF 39165, LKCF 39165A, LKFF 39165A, LKSF 39165A

69

4BC2 — 3268 cc — 4 cyl. — 1981

Ø	102.00	-17.6
CD	58.90	
TL	98.20	

RINGS: 1 - 3.0 / 1 - 2.5 / 1 - 5.0

Ø	35.000
TL	85.00

TL	187.0	
OD	106.0	
FT	4.0	
FD	112.0	
	*DIMENSION	IS FOR LFF

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39166 39166A	R 39165	P 39166	B 39166	LCF 39165 LFF 39165 LSF 39165

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
5-12111-230-4	5-12121-004-0	1-12251-027-0	5-11261-014-0
8-94169-765-0	5-12121-005-0	5-12251-006-0	5-11261-014-2
8-97176-632-0	5-12181-003-1	9-12251-602-0	
	5-45454-004-2		

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 17.45 mm

TEIKIN NO.: LKCF 39166, LKFF 39166, LKSF 39166, LKCF 39166A, LKFF 39166A, LKSF 39166A

70

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

4BD1-III — 3856 cc — 4 cyl.

Ø 102.00	1 - 3.0	Ø 35.000
-19.8	1 - 2.5	TL 87.50
CD 58.90		
TL 98.30	1 - 5.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39184	R 39165	P 39149
39184A		

REFERENCE NO.	REFERENCE NO.
5-12111-649-1	5-12121-004-0
	5-12121-005-0
	5-12181-003-1
	5-45454-004-2

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 17.50 mm

71

4BD1-T — 3856 cc — 4 cyl.

Ø 102.00	1 - 3.0	Ø 35.000		TL 204.0	
-19.5	1 - 2.5	TL 87.50		OD 106.0	
CD 58.80				FT 4.0	
TL 98.00	1 - 5.0			FD 112.0	
				*DIMENSION	IS FOR LFF

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39618	R 39165	P 39149	B 39166	LCF 39227
39618A				LFF 39227
(39213)				LSF 39227
				Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-94321-734-0	5-12121-004-0		1-12251-027-0	1-11261-118-0
8-94175-027-2	5-12121-005-0		5-12251-006-0	5-11261-004-0
5-12111-242-1	5-12181-003-1		9-12251-602-0	5-11261-118-0
5-87810-280-3	5-45454-004-2			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.80 mm

TEIKIN NO.
LKCF 39618
LKFF 39618
LKSF 39618
LKCF 39618A
LKFF 39618A
LKSF 39618A

72

4BB1 — 3595 cc — 1972 — 4 cyl.

Ø 102.00	1 - 3.0	Ø 35.000		TL 204.0	
-19.1	1 - 2.5	TL 87.50		OD 106.0	
CD 62.80				FT 4.0	
TL 112.40	1 - 5.0			FD 112.0	
				*DIMENSION	IS FOR LFF

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39148-4	R 39165	P 39149	B 39166	LCF 39148-4
39148A-4				LFF 39148-4
				LSF 39148-4
				Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
5-12111-013-0	5-12121-004-0		1-12251-027-0	1-11261-118-0
	5-12121-005-0		5-12251-006-0	5-11261-004-0
	5-12181-003-1		9-12251-602-0	5-11261-118-0
	5-45454-004-2			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.250 mm MP: 24.50 mm

TEIKIN NO.
LKCF 39148-4
LKFF 39148-4
LKSF 39148-4
LKCF 39148A-4
LKFF 39148A-4
LKSF 39148A-4

73

4BD1 — 3856 cc — JCR 1976 — 4 cyl.

Ø 102.00	1 - 3.0	Ø 35.000		TL 204.0	
-19.8	1 - 2.5	TL 87.50		OD 106.0	
CD 58.80				FT 4.0	
TL 104.30	1 - 5.0			FD 112.0	
				*DIMENSION	IS FOR LFF

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39149-4	R 39165	P 39149	B 39166	LCF 39227
39149A-4				LFF 39227
				LSF 39227
				Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
5-12111-068-0	5-12121-004-0		1-12251-027-0	1-11261-118-0
5-12111-068-2	5-12121-005-0		5-12251-006-0	5-11261-004-0
5-12111-211-0	5-12181-003-1		9-12251-602-0	5-11261-118-0
5-12111-211-1	5-45454-004-2			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.210 mm MP: 24.50 mm

TEIKIN NO.
LKCF 39149-4
LKFF 39149-4
LKSF 39149-4
LKCF 39149A-4
LKFF 39149A-4
LKSF 39149A-4

74

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

4BD1-II — 3856 cc — 4 cyl.
1985

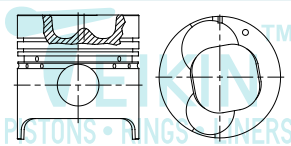
Ø	102.00	-19.7
CD	58.80	
TL	104.20	

1 - 3.0
1 - 2.5
1 - 5.0

Ø 35.000
TL 87.50

TL	204.0	
OD	106.0	
FT	4.0	
FD	112.0	
	*DIMENSION	IS FOR LFF

TEIKIN NO.
LKCF 39151A-4
LKFF 39151A-4
LKSF 39151A-4



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39151A-4	R 39165	P 39149	B 39166	LCF 39227 LFF 39227 LSF 39227

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.210 mm MP: 22.60 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
1-12111-240-1	5-12121-004-0		1-12251-027-0	1-11261-118-0
1-12111-303-0	5-12121-005-0		5-12251-006-0	5-11261-004-0
1-12111-773-0	5-12181-003-1		9-12251-602-0	5-11261-118-0
5-12111-240-1	5-45454-004-2			

75

4BD1 LATE — 3856 cc — 4 cyl.

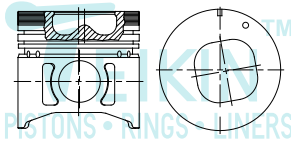
Ø	102.00	-19.9
CD	58.80	
TL	98.25	

1 - 3.0
1 - 2.5
1 - 5.0

Ø 35.000
TL 87.50

TL	204.0	
OD	106.0	
FT	4.0	
FD	112.0	
	*DIMENSION	IS FOR LFF

TEIKIN NO.
LKCF 39227A
LKFF 39227A
LKSF 39227A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39227A	R 39165	P 39149	B 39166	LCF 39227 LFF 39227 LSF 39227

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 17.50 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-94452-912-0	5-12121-004-0		1-12251-027-0	1-11261-118-0
	5-12121-005-0		5-12251-006-0	5-11261-004-0
	5-12181-003-1		9-12251-602-0	5-11261-118-0
	5-45454-004-2			

76

4BD2-T — 3856 cc — 4 cyl.

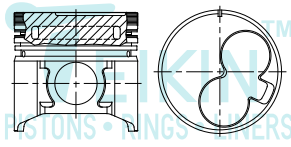
Ø	102.00	-2.9
CD	58.70	
TL	98.10	

1 - 3.0
1 - 2.5
1 - 5.0

Ø 35.000
TL 87.40

TL	204.0	
OD	106.0	
FT	4.0	
FD	112.0	
	*DIMENSION	IS FOR LFF

TEIKIN NO.
LKCF 39611AG
LKFF 39611AG
LKSF 39611AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39611AG (39200)	R 39165	P 39611	B 39166	LCF 39227 LFF 39227 LSF 39227

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.040 mm MP: 17.00 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-97025-457-2	5-12121-004-0		1-12251-027-0	1-11261-118-0
8-97176-640-0	5-12121-005-0		5-12251-006-0	5-11261-004-0
	5-12181-003-1		9-12251-602-0	5-11261-118-0
	5-45454-004-2			

77

4BD2-T LATE — 3856 cc — 4 cyl.
1995-98

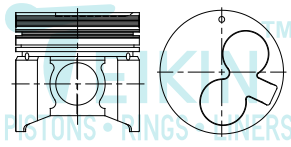
Ø	102.00	-3.2
CD	58.80	
TL	98.10	

1 - 3.0
1 - 2.0
1 - 4.0

Ø 35.000
TL 87.50

TL	204.0	
OD	106.0	
FT	4.0	
FD	112.0	
	*DIMENSION	IS FOR LFF

TEIKIN NO.
LKFF 39655AG
LKSF 39655AG
LKCF 39655AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39655AG	R 39655	P 39149	B 39166	LCF 39227 LFF 39227 LSF 39227

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.030 mm MP: 15.50 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-97176-642-0	8-97117-686-0		1-12251-027-0	1-11261-118-0
			5-12251-006-0	5-11261-004-0
			9-12251-602-0	5-11261-118-0

78

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

DA-640 — 6373 cc — 6 cyl.
1966

Ø	102.00	-6.1
CD	68.00	
TL	125.00	

3 - 2.5
1 - 5.0

Ø	36.000
TL	86.50

TL	228.0		
OD	113.0		
FT	8.0		
FD	119.0		

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39142 39142A	R 39142	P 39142	B 39142	LFF 39142

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
1-12111-740-0 1-12111-122-0 9-12111-740-0 9-12111-902-1	1-12121-009-0 1-12181-007-0 1-12181-033-0 1-12181-074-0		9-12251-084-0	9-11261-277-0 9-11261-288-0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 19.50 mm

TEIKIN NO.: LKFF 39142, LKFF 39142A

79

6BB1 — 5393 cc — 6 cyl.
1972

Ø	102.00	-19.1
CD	62.80	
TL	112.35	

1 - 3.0
1 - 2.5
1 - 5.0

Ø	35.000
TL	87.50

TL	204.0		
OD	105.0		
FT	1.4		
FD	112.0		
	*DIMENSION	IS FOR LCF	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39148 39148A	R 39148	P 39149	B 39148	LCF 39148 LSF 39148

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
5-12111-013-0	5-12121-005-0 5-12181-023-2		1-12251-027-0 5-12251-006-0	5-11261-004-0 5-11261-118-0 1-11261-118-0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.250 mm MP: 24.50 mm

TEIKIN NO.: LKCF 39148, LKSF 39148, LKCF 39148, LKSF 39148

80

6BD1 — 5785 cc — 6 cyl.
JCR
1976

Ø	102.00	-19.8
CD	58.80	
TL	104.30	

1 - 3.0
1 - 2.5
1 - 5.0

Ø	35.000
TL	87.50

TL	204.0		
OD	105.0		
FT	1.4		
FD	112.0		
	*DIMENSION	IS FOR LCF	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39149 39149A	R 39148	P 39149	B 39148	LCF 39148 LSF 39148

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
5-12111-068-0 5-12111-068-2 5-12111-211-0 5-12111-211-1	5-12121-005-0 5-12181-023-2		1-12251-027-0 5-12251-006-0	5-11261-004-0 5-11261-118-0 1-11261-118-0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.210 mm MP: 24.50 mm

TEIKIN NO.: LKCF 39149, LKSF 39149, LKCF 39149A, LKSF 39149A

81

6BD1-II — 5785 cc — 6 cyl.
1985

Ø	102.00	-19.7
CD	58.80	
TL	104.20	

1 - 3.0
1 - 2.5
1 - 5.0

Ø	35.000
TL	87.50

TL	204.0		
OD	105.0		
FT	1.4		
FD	112.0		
	*DIMENSION	IS FOR LCF	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39151 39151A	R 39148	P 39149	B 39148	LCF 39148 LSF 39148

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
1-12111-240-1 1-12111-303-0 1-12111-773-0 5-12111-240-1	5-12121-005-0 5-12181-023-2		1-12251-027-0 5-12251-006-0	5-11261-004-0 5-11261-118-0 1-11261-118-0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.210 mm MP: 22.60 mm

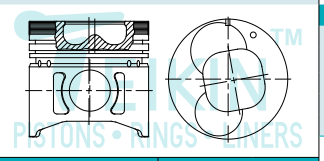
TEIKIN NO.: LKCF 39151, LKSF 39151, LKCF 39151A, LKSF 39151A

82

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET

6BD1-III — 5785 cc — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 102.00	1 - 3.0	Ø 35.000		TL 204.0		TEIKIN NO.
-19.9	1 - 2.5	TL 87.50		OD 105.0		LKCF 39184-6
CD 58.90				FT 1.4		LKSF 39184-6
TL 98..30	1 - 5.0			FD 112.0		LKCF 39184A-6
				*DIMENSION	IS FOR LCF	LKSF 39184A-6
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
39184-6	R 39148	P 39149	B 39148	LCF 39148		
39184A-6				LSF 39148		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
5-12111-649-1	5-12121-005-0		1-12251-027-0	5-11261-004-0		
	5-12181-023-2		5-12251-006-0	5-11261-118-0		
				1-11261-118-0		

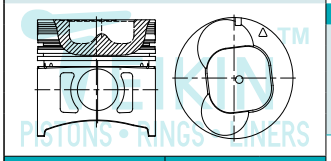


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 17.50 mm

83

6BD1-T — 5785 cc — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 102.00	1 - 3.0	Ø 35.000		TL 204.0		TEIKIN NO.
-19.9	1 - 2.5	TL 87.50		OD 105.0		LKCF 39667A
CD 58.80				FT 1.4		LKSF 39667A
TL 98.00	1 - 5.0			FD 112.0		
				*DIMENSION	IS FOR LCF	
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
39667A	R 39148	P 39149	B 39148	LCF 39148		
				LSF 39148		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
1-12111-325-1	5-12121-005-0		1-12251-027-0	5-11261-004-0		
1-12111-428-0	5-12181-023-2		5-12251-006-0	5-11261-118-0		
1-12111-428-1				1-11261-118-0		

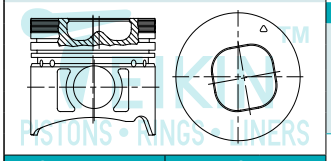


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 17.50 mm

84

4BE1 — 3636 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 105.00	1 - 3.0	Ø 35.000		TL 187.0		TEIKIN NO.
-18.1	1 - 2.5	TL 85.00		OD 107.0		LKCF 39180
CD 56.40				FT 1.4		LKCF 39180A
TL 95.70	1 - 5.0			FD 113.0		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
39180	R 39180	P 39166	B 39166	LCF 39180		
39180A				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
8-94478-116-0	8-94418-918-0		1-12251-027-0	5-11261-016-2		
			5-12251-006-0			
			9-12251-602-0			

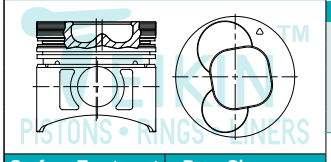


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.65 mm

85

4BE1-II — 3636 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 105.00	1 - 3.0	Ø 35.000		TL 187.0		TEIKIN NO.
-18.1	1 - 2.5	TL 85.00		OD 107.0		LKCF 39612
CD 56.40				FT 1.4		LKCF 39612A
TL 95.60	1 - 5.0			FD 113.0		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
39612	R 39180	P 39166	B 39166	LCF 39180		
39612A				Surface Treatment		
(39201)				None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
8-94438-989-1	8-94418-918-0		1-12251-027-0	5-11261-016-2		
8-97176-644-1			5-12251-006-0			
5-12111-022-0			9-12251-602-0			



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.120 mm MP: 21.00 mm

86

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

6BG1 — 6494 cc — 6 cyl.

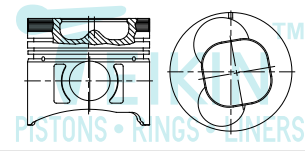
Ø	105.00	-18.8
CD	55.30	
TL	94.50	

1 - 3.0
1 - 2.5
1 - 4.0

Ø	35.000
TL	87.50

TL	203.0
OD	109.0
FT	4.0
FD	112.8

*DIMENSION IS FOR LFF



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39182 39182A	R 39182	P 39149	B 39148	LCF 39182 LFF 39182

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.90 mm

Surface Treatment
None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
1-12111-377-4 1-12111-323-2 1-12111-528-0 1-12111-529-0	1-12121-065-0		1-12251-027-0 5-12251-006-0	1-11261-119-0

TEIKIN NO.: LKCF 39182, LKFF 39182, LKCF 39182A, LKFF 39182A

87

6BG1-T — 6494 cc — 6 cyl.

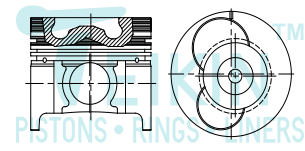
Ø	105.00	-22.1
CD	55.20	
TL	94.50	

1 - 3.5
1 - 2.5
1 - 4.0

Ø	35.000
TL	87.50

TL	203.0
OD	109.0
FT	4.0
FD	112.8

*DIMENSION IS FOR LFF



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39614 39614AG (39203)	R 39614	P 39149	B 39148	LCF 39182 LFF 39182

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 18.00 mm

Surface Treatment
None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
1-12111-626-0	1-12121-115-0		1-12251-027-0 5-12251-006-0	1-11261-119-0

TEIKIN NO.: LKCF 39614, LKFF 39614, LKCF 39614AG, LKFF 39614AG

88

6BF1 — 6130 cc — 6 cyl.

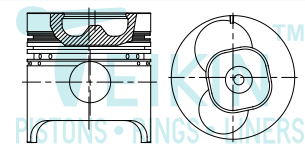
Ø	105.00	-19.3
CD	58.70	
TL	110.00	

1 - 3.0
1 - 2.5
1 - 5.0

Ø	35.000
TL	87.50

TL	203.0
OD	109.0
FT	4.0
FD	112.8

*DIMENSION IS FOR LFF



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39616 39616A (39206)	R 39616	P 39149	B 39148	LCF 39182 LFF 39182

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.140 mm MP: 20.00 mm

Surface Treatment
None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
1-12111-345-0	1-12121-052-0 5-12121-006-0		1-12251-027-0 5-12251-006-0	1-11261-119-0

TEIKIN NO.: LKCF 39616, LKFF 39616, LKCF 39616A, LKFF 39616A

89

4HE1-TC — 4751 cc — 4 cyl.

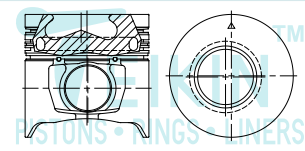
Ø	110.00	-22.6
CD	66.20	
TL	110.10	

1 - 3.0 HK
1 - 2.0
1 - 1.2
1 - 3.0

Ø	40.000
TL	87.00

TL	210.0
OD	113.0
FT	5.6 + 0.4
FD	119.7

*DIMENSION IS FOR LFF



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39664AG	R 39664	P 39671	B 39664	LFF 39607-4 LSF 39607-4

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.050 mm MP: 18.50 mm

Surface Treatment
*Phosphate (PH)

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-94391-696-0	8-97166-992-0		8-94394-613-0	8-94391-600-0 8-94391-601-0

TEIKIN NO.: LKFF 39664AG, LKSF 39664AG

90

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

4HE1-T — 4751 cc — 4 cyl.

Ø	110.00	-22.3
CD	66.20	
TL	120.00	

1 - 3.0 HK
1 - 2.5
1 - 4.0

Ø 40.000
TL 87.00

TL	210.0
OD	115.0
FT	5.7 + 0.4
FD	121.7

*DIMENSION IS FOR LFF

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39666AG	R 39666	P 39671	B 39664	LFF 39666* LSF 39666

Surface Treatment: *Phosphate (PH)

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-97176-652-0 8-97183-664-0 8-97183-665-0 8-97233-129-0 8-97233-130-0	8-97078-779-0		8-94394-613-0	8-97176-723-0 8-97176-724-0 8-97176-725-0 8-97176-726-0 8-97176-728-0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 30.00 mm

TEIKIN NO.: LKFF 39666AG, LKSF 39666AG

91

6HE1 — 7127 cc — 6 cyl.

Ø	110.00	-19.5
CD	66.00	
TL	99.90	

1 - 3.0
1 - 2.5
1 - 4.0

Ø 36.000
TL 79.00

TL	210.0
OD	113.0
FT	5.60 + 0.4
FD	119.7

*DIMENSION IS FOR LFF

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39607 39607A (39194)	R 39607	P 39181	B 39607	LFF 39607* LSF 39607

Surface Treatment: *Phosphate (PH)

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-94396-837-0	8-94396-840-0			8-94396-332-0 8-94391-600-0 8-94391-601-0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 18.00 mm

TEIKIN NO.: LKFF 39607, LKSF 39607, LKFF 39607A, LKSF 39607A

92

6HE1-T — 7127 cc — 6 cyl.

Ø	110.00	-22.0
CD	66.10	
TL	119.90	

1 - 3.9 FK
1 - 3.0
1 - 2.5
1 - 3.0

Ø 40.000
TL 87.00

TL	210.0
OD	113.0
FT	5.6 + 0.4
FD	119.7

*DIMENSION IS FOR LFF

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39663AG	R 39663	P 39671	B 39663	LFF 39607 LSF 39607

Surface Treatment: *Phosphate (PH)

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-94391-594-0	8-94390-529-1 8-94395-061-3 8-94395-061-4 8-94395-061-5		8-94394-613-0	8-94391-600-0 8-94391-601-0 8-94396-332-0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm MP: 28.00 mm

TEIKIN NO.: LKFF 39663AG, LKSF 39663AG

93

6HE1-TC — 7127 cc — 6 cyl.

Ø	110.00	-22.6
CD	66.20	
TL	110.10	

1 - 3.0 HK
1 - 2.0
1 - 1.2
1 - 3.0

Ø 40.000
TL 87.00

TL	210.0
OD	113.0
FT	5.6 + 0.4
FD	119.7

*DIMENSION IS FOR LFF

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39664AG-6	R 39664-6	P 39671	B 39664	LFF 39607* LSF 39607

Surface Treatment: *Phosphate (PH)

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-94391-696-0	8-97166-992-0		8-94394-613-0	8-94396-332-0 8-94391-600-0 8-94391-601-0

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.050 mm MP: 18.50 mm

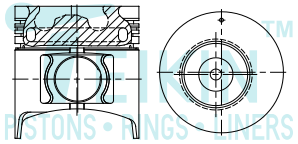
TEIKIN NO.: LKFF 39664AG-6, LKSF 39664AG-6

94

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET

6HE1-T-II — 7127 cc — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 110.00	1 - 3.9 FK	Ø 40.000		TL 210.0		TEIKIN NO.
-23.0	1 - 3.0	TL 87.00		OD 113.0		LKFF 39683AG
CD 66.10	1 - 2.5			FT 5.6 + 0.4		LKSF 39683AG
TL 119.70	1 - 3.0			FD 119.7		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
39683AG	R 39663	P 39665	B 39663	LFF 39607		
				LSF 39607		
				Surface Treatment		
				*Phosphate (PH)		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
8-94391-605-0	8-94390-529-1		8-94394-613-0	8-94391-600-0		
	8-94395-061-3			8-94391-601-0		
	8-94395-061-4			8-94396-332-0		
	8-94395-061-5					

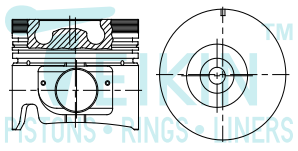


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm MP: 34.00 mm

95

4HF1 — 4334 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 112.00	1 - 3.0	Ø 36.000		TL 180.0		TEIKIN NO.
-21.4	1 - 2.5	TL 79.00		OD 115.0		LKFF 39181
CD 60.80				FT 6.1		LKSF 39181
TL 94.55	1 - 4.0			FD 121.65		LKFF 39181A
				*DIMENSION	IS FOR LFF	LKSF 39181A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
39181	R 39181	P 39181	B 39181	LFF 39181*		
39181A				LSF 39181		
				Surface Treatment		
				*Phosphate (PH)		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
8-97095-585-1	8-97028-691-0		1-12251-036-0	8-97144-174-0		
8-97176-655-0				8-97176-727-0		
				8-97176-728-0		

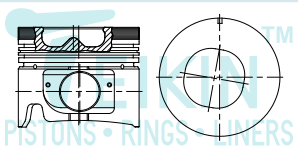


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 9.50 mm

96

4HF1-II — 4334 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 112.00	1 - 3.0	Ø 36.000		TL 180.0		TEIKIN NO.
-18.5	1 - 2.5	TL 79.00		OD 115.0		LKFF 39187
CD 60.80				FT 6.1		LKSF 39187
TL 94.55	1 - 4.0			FD 121.65		LKFF 39187A
				*DIMENSION	IS FOR LFF	LKSF 39187A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
39187	R 39181	P 39181	B 39181	LFF 39181*		
39187A				LSF 39181		
				Surface Treatment		
				*Phosphate (PH)		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
8-97095-654-0	8-97028-691-0		1-12251-036-0	8-97144-174-0		
8-97063-867-0				8-97176-727-0		
				8-97176-728-0		

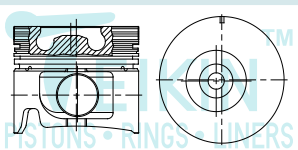


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 9.50 mm

97

4HF1 NEW — 4334 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 112.00	1 - 3.0 HK	Ø 36.000		TL 180.0		TEIKIN NO.
-22.0	1 - 2.5	TL 79.00		OD 115.0		LKFF 39672A
CD 60.80				FT 6.1		LKSF 39672A
TL 94.50	1 - 4.0			FD 121.65		
				*DIMENSION	IS FOR LFF	
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
39672A	R 39672	P 39181	B 39181	LFF 39181*		
				LSF 39181		
				Surface Treatment		
				*Phosphate (PH)		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
8-97183-667-0	8-97109-462-0		1-12251-036-0	8-97144-174-0		
				8-97176-727-0		
				8-97176-728-0		

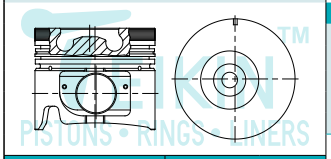


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 9.50 mm

98

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

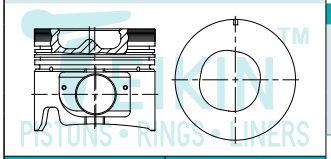
6HF1
6 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 9.50 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 112.00 -21.4 CD 60.80 TL 94.55	1 - 3.0 1 - 2.5 1 - 4.0	Ø 36.000 TL 79.00		TL 180.0 OD 115.0 FT 6.1 FD 121.65 *DIMENSION		IS FOR LFF	TEIKIN NO. LKFF 39181-6 LKSF 39181-6 LKFF 39181A-6 LKSF 39181A-6
TEIKIN NO. 39181-6 39181A-6	TEIKIN NO. R 39181-6	TEIKIN NO. P 39181	TEIKIN NO. B 39181		TEIKIN NO. LFF 39181-6 LSF 39181-6 Surface Treatment *Phosphate (PH)		
REFERENCE NO. 8-97095-585-1 8-97176-655-0	REFERENCE NO. 8-97028-691-0		REFERENCE NO. 1-12251-036-0		REFERENCE NO. 8-97144-174-0 8-97176-727-0 8-97176-728-0		99

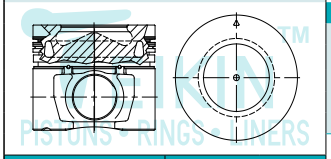
6HF1-II
6 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 9.50 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 112.00 -18.5 CD 60.80 TL 94.55	1 - 3.0 1 - 2.5 1 - 4.0	Ø 36.000 TL 79.00		TL 180.0 OD 115.0 FT 6.1 FD 121.65 *DIMENSION		IS FOR LFF	TEIKIN NO. LKFF 39187A-6 LKSF 39187A-6
TEIKIN NO. 39187A-6	TEIKIN NO. R 39181-6	TEIKIN NO. P 39181	TEIKIN NO. B 39181		TEIKIN NO. LFF 39181-6 LSF 39181-6 Surface Treatment *Phosphate (PH)		
REFERENCE NO. 8-97095-654-0 8-97063-867-0	REFERENCE NO. 8-97028-691-0		REFERENCE NO. 1-12251-036-0		REFERENCE NO. 8-97144-174-0 8-97176-727-0 8-97176-728-0		100

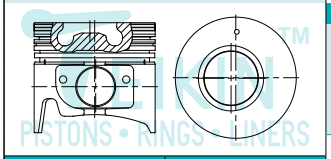
4HK1-TC 5193 cc
ELF400/450 ~
NPR ~ NPS ~ NQR
1994-
4 cyl.



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 5.00 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 115.00 -18.8 CD 66.10 TL 96.60	1 - 3.0 HK 1 - 2.5 1 - 4.0	Ø 40.000 TL 87.00		TL 210.0 OD 118.0 FT 6.0 FD 123.7			TEIKIN NO. LKFF 39244AG LKSF 39244AG
TEIKIN NO. 39244AG	TEIKIN NO. R 39653	TEIKIN NO. P 39671	TEIKIN NO. B 39671		TEIKIN NO. LFF 39671* LSF 39671 Surface Treatment *Phosphate (PH)		
REFERENCE NO. 8-97602-800-0	REFERENCE NO. 8-97105-867-0 8-97219-054-0 8-98055-478-0		REFERENCE NO. 8-94391-794-0		REFERENCE NO. 8-98014-046-0 8-98014-047-0		101

4HG1 4751 cc
4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 19.50 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 115.00 -22.0 CD 60.70 TL 104.40	1 - 3.0 HK 1 - 2.5 1 - 4.0	Ø 36.000 TL 79.00		TL 180.0 OD 118.0 FT 6.1 FD 123.6 *DIMENSION		IS FOR LFF	TEIKIN NO. LKFF 39653 LKSF 39653 LKFF 39653A LKSF 39653A
TEIKIN NO. 39653 39653A	TEIKIN NO. R 39653	TEIKIN NO. P 39181	TEIKIN NO. B 39181		TEIKIN NO. LFF 39653* LSF 39653 Surface Treatment *Phosphate (PH)		
REFERENCE NO. 8-97183-666-0	REFERENCE NO. 8-97105-867-0 8-97219-054-0 8-98055-478-0		REFERENCE NO. 1-12251-036-0		REFERENCE NO. 8-97176-729-0 8-97176-730-0 8-97351-558-0/1 8-97351-559-0/1 8-98014-048-0		102

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

4HL1 — 4777 cc — 4 cyl.

Ø	115.00	-21.0
CD	58.20	
TL	112.00	

1 - 3.0
1 - 2.0
1 - 3.0

Ø	36.000
TL	79.00

TL	190.0	
OD	118.0	
FT	6.0	
FD	123.7	
	*DIMENSION	IS FOR LFF

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39670AG	R 39670	P 39181	B 39181	LFF 39670* LSF 39670
				Surface Treatment: *Phosphate (PH)
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-97331-643-0	8-97331-641-0		1-12251-036-0	

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 29.50 mm

TEIKIN NO.: LKFF 39670AG, LKSF 39670AG

103

4HK1-TC-II — 5193 cc — 4 cyl.

Ø	115.00	-24.0
CD	66.10	
TL	119.90	

1 - 3.0 HK
1 - 2.5
1 - 4.0

Ø	40.000
TL	87.00

TL	210.0	
OD	118.0	
FT	6.0	
FD	123.7	
	*DIMENSION	IS FOR LFF

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39671AG	R 39653	P 39671	B 39671	LFF 39671* LSF 39671
				Surface Treatment: *Phosphate (PH)
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-97228-303-0	8-97105-867-0 8-97219-054-0 8-98055-478-0		8-94391-794-0	8-98014-046-0 8-98014-047-0

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.040 mm MP: 28.00 mm

TEIKIN NO.: LKFF 39671AG, LKSF 39671AG

104

4HG1-T — 4751 cc — 4 cyl.

Ø	115.00	-22.5
CD	60.70	
TL	119.40	

1 - 3.0 HK
1 - 2.5
1 - 4.0

Ø	36.000
TL	79.00

TL	180.0	
OD	118.0	
FT	6.1	
FD	123.6	
	*DIMENSION	IS FOR LFF

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39676AG	R 39653	P 39181	B 39181	LFF 39653* LSF 39653
				Surface Treatment: *Phosphate (PH)
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-97219-032-0	8-97105-867-0 8-97219-054-0 8-98055-478-0		1-12251-036-0	8-97176-729-0 8-97176-730-0 8-97351-558-0/1 8-97351-559-0/1 8-98014-048-0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 33.50 mm

TEIKIN NO.: LKFF 39676AG, LKSF 39676AG

105

4HK1-TC-III — 5193 cc — 4 cyl.

NPR - NQR 2006

Ø	115.00	-18.7
CD	66.10	
TL	96.50	

1 - 3.0 HK
1 - 2.5
1 - 4.0

Ø	40.000
TL	87.00

TL	210.0	
OD	118.0	
FT	6.0	
FD	123.7	
	*DIMENSION	IS FOR LFF

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39679AG	R 39653	P 39665	B 39671	LFF 39671* LSF 39671
				Surface Treatment: *Phosphate (PH)
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-98041-141-0	8-97105-867-0 8-97219-054-0 8-98055-478-0		8-94391-794-0	8-98014-046-0 8-98014-047-0

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.040 mm MP: 5.50 mm

TEIKIN NO.: LKFF 39679AG, LKSF 39679AG

106

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET

6SA1 — 8413 cc — 6 cyl.

Ø 115.00	1 - 3.0	Ø 38.000		TL 216.0			TEIKIN NO.
-22.7	1 - 2.5	TL 80.00		OD 119.0			LKFF 39606
CD 67.80				FT 6.0			LKSF 39606A
TL 104.00	1 - 4.0			FD 120.0			
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
39606	R 39606	P 39606	B 39606	LFF 39606			
39606A							
(39192)				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
1-12111-217-1	1-12121-070-0		1-12251-016-0	1-11261-065-3			
	1-12121-075-0		1-12251-016-2	1-11261-094-1			
	1-12121-113-0						
	1-12121-750-0						

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.140 mm MP: 10.00 mm

107

6SA1-T — 8413 cc — 6 cyl.

Ø 115.00	1 - 3.0	Ø 38.000		TL 216.0			TEIKIN NO.
-23.2	1 - 2.5	TL 80.00		OD 119.0			LKFF 39615AG
CD 67.80				FT 6.0			
TL 104.20	1 - 4.0			FD 120.0			
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
39615AG	R 39606	P 39615	B 39606	LFF 39606			
(39204)							
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
1-12111-459-1	1-12121-070-0		1-12251-016-0	1-11261-065-3			
	1-12121-075-0		1-12251-016-2	1-11261-094-1			
	1-12121-113-0						
	1-12121-750-0						

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.200 mm MP: 40.00 mm

108

6HH1 — 8226 cc — 6 cyl.

Ø 115.00	1 - 3.5	Ø 36.000		TL 210.0			TEIKIN NO.
-22.7	1 - 2.5	TL 79.00		OD 118.0			LKFF 39651A
CD 62.70				FT 6.0			LKSF 39651A
TL 106.50	1 - 4.0			FD 123.7			
				*DIMENSION	IS FOR LFF		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
39651A	R 39651	P 39181	B 39607	LFF 39651*			
				LSF 39651			
				Surface Treatment			
				*Phosphate (PH)			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
8-94391-950-0	8-94390-799-0			8-94391-602-0			
	8-94390-799-2			8-94391-603-0			
				8-94393-273-1			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 22.00 mm

109

6HK1-TC — 7790 cc — 6 cyl.

Ø 115.00	1 - 2.95 FK	Ø 40.000		TL 210.0			TEIKIN NO.
-20.0	1 - 2.0	TL 87.00		OD 118.0			LKFF 39665AG
CD 66.10	1 - 2.5			FT 6.0			LKSF 39665AG
TL 119.70	1 - 3.0			FD 123.7			
				*DIMENSION	IS FOR LFF		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
39665AG	R 39665	P 39665	B 39663	LFF 39651*			
				LSF 39651			
				Surface Treatment			
				*Phosphate (PH)			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
8-94391-895-1	8-94391-502-3		8-94394-613-0	8-94391-602-0			
	8-94391-502-4			8-94391-603-0			
				8-94393-273-1			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 28.00 mm

110

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

6HL1-TC — 7166 cc — 6 cyl.

Ø	115.00	-19.0
CD	66.10	
TL	119.90	

1 - 3.0 FK
1 - 2.5
1 - 3.0

Ø	40.000
TL	87.00

TL	210.0
OD	118.0
FT	6.0
FD	123.7

*DIMENSION IS FOR LFF

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
	39677AG	R 39677	P 39665	B 39663	LFF 39651* LSF 39651

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 28.00 mm

Surface Treatment
*Phosphate (PH)

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-97602-904-0	8-97601-318-1		8-94394-613-0	8-94391-602-0 8-94391-603-0 8-94393-273-1

TEIKIN NO.
LKFF 39677AG LKSF 39677AG

111

6HH1-T — 8226 cc — 6 cyl.

Ø	115.00	-22.5
CD	62.60	
TL	106.30	

1 - 3.5
1 - 2.5
1 - 4.0

Ø	36.000
TL	79.00

TL	210.0
OD	118.0
FT	6.0
FD	123.7

*DIMENSION IS FOR LFF

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
	39682AG	R 39651	P 39181	B 39607	LFF 39651* LSF 39651

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 20.00 mm

Surface Treatment
*Phosphate (PH)

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
8-94391-598-0	8-94390-799-0 8-94390-799-2		1-12251-036-0	8-94391-602-0 8-94391-603-0 8-94393-273-1

TEIKIN NO.
LKFF 39682AG LKSF 39682AG

112

PA1 — 9971 cc — 10 cyl.

Ø	115.00	-24.1
CD	75.30	
TL	113.30	

1 - 3.0
1 - 2.5
1 - 6.0

Ø	38.000
TL	80.00

TL	219.5
OD	130.0
FT	10.0 + 1.2
FD	141.7

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
	39662A	R 39662	P 39606	B 39625	LFF 39662

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.120 mm MP: 5.00 mm

Surface Treatment
None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
1-12111-154-1	1-12121-042-0 1-12181-016-0 1-12181-060-0		1-12251-001-0	1-11261-063-0

TEIKIN NO.
LKFF 39662A

113

10PC1 — 15014 cc — 10 cyl.

Ø	119.00	-23.7
CD	67.70	
TL	104.00	

1 - 3.0
1 - 2.5
1 - 4.0

Ø	38.000
TL	80.00

TL	219.5
OD	133.0
FT	10.0 + 1.0
FD	143.7

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
	39625 39625A (39222)	R 39625	P 39625	B 39625	LFF 39625

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.140 mm MP: 18.00 mm

Surface Treatment
None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
1-12111-419-2	1-12121-047-0 1-12121-048-0		1-12251-001-0	1-11261-143-1

TEIKIN NO.
LKFF 39625 LKFF 39625A

114

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

10PD1 — 16683 cc — 10 cyl.

Ø	119.00
	-25.0
CD	67.60
TL	106.60

RINGS
1 - 4.0
1 - 2.5
1 - 4.0

Ø	43.000
TL	80.00

TL	234.0
OD	133.0
FT	10.1
FD	143.6

TEIKIN NO.
LKFF 39626
LKFF 39626A

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39626 39626A (39223)	R 39626	P 39626	B 39626	LFF 39626

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.130 mm MP: 20.00 mm

Surface Treatment
Chromed O.D.

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
1-12111-549-3	1-12121-062-0 1-12121-063-0		1-12251-033-0	1-11261-161-2

115

DH100 — 10179 cc — 6 cyl.

Ø	120.00
	-8.3
CD	77.80
TL	150.80

RINGS
3 - 3.0
1 - 6.0

Ø	45.000
TL	97.50

TL	280.0
OD	135.0
FT	11.0
FD	140.6

TEIKIN NO.
LKFF 39617

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39617 (39207)	R 39617	P 39617	B 39617	LFF 39617

Surface Treatment	Bore Clearance
	MRC: - mm MP: - mm

Surface Treatment
None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
9-12111-742-0 9-12111-849-1	1-12121-016-0 1-12121-001-0 9-12181-083-0 9-12181-086-0		9-12251-069-0 9-12251-070-0	9-11261-241-0 9-11261-270-0

116

6SD1 — 9839 cc — 6 cyl.

Ø	120.00
	-24.7
CD	75.00
TL	117.00

RINGS
1 - 3.5
1 - 2.5
1 - 5.0

Ø	43.000
TL	89.50

TL	239.0
OD	123.0
FT	6.0 + 1.0
FD	129.6

TEIKIN NO.
LKFF 39623
LKFF 39623A

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39623 39623A (39220)	R 39623	P 39623	B 39623	LFF 39623*

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm MP: 30.00 mm

Surface Treatment
*Phosphate (PH)

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
1-12111-569-0	1-12121-094-1		1-12251-021-0 1-12251-021-1	1-11261-106-2 1-11261-298-0

117

6QA1 — 11044 cc — 6 cyl.

Ø	125.00
	-25.6
CD	83.20
TL	136.00

RINGS
1 - 3.0
1 - 2.5
1 - 6.0

Ø	46.000
TL	106.00

TL	282.0
OD	140.0
FT	11.0 + 2.0
FD	146.7

TEIKIN NO.
LKFF 39657A

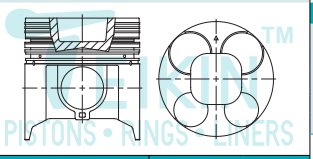
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
39657A	R 39657	P 39657	B 39657	LFF 39657

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.160 mm MP: 10.00 mm

Surface Treatment
Chromed O.D.

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
1-12111-338-0	1-12121-028 1-12121-046		9-12251-073-0 9-12251-074-1	1-11261-074-0 1-11261-061-1

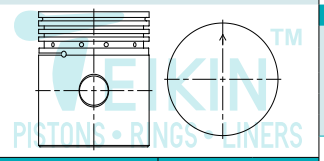
118

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
6RB1 13741 cc 6 cyl.	Ø 135.00 -27.7 CD 82.20 TL 143.10	1 - 4.0 1 - 2.5 1 - 5.0	Ø 50.000 TL 105.00		TL OD FT FD	264.0 141.0 6.0 146.7		TEIKIN NO. LKFF 39624 LKFF 39624A
	TEIKIN NO. 39624 39624A (39221)	TEIKIN NO. R 39624	TEIKIN NO. P 39624	TEIKIN NO. B 39624	TEIKIN NO. LFF 39624 Surface Treatment Phosphate (PH)			
Surface Treatment: Tin Coated Bore Clearance: MRC: 0.170 mm MP: 20.00 mm	REFERENCE NO. 1-12111-245-0 1-12111-437-0	REFERENCE NO. 1-12121-037-0 1-12121-040-0		REFERENCE NO. 9-12251-088-0	REFERENCE NO. 1-11261-082-0 1-11261-098-0 1-11261-133-0 1-11261-105-1			119

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	LINER	NO FLANGE	LINER KIT SET

88 ANP — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 79.38 CD 55.60 TL 94.97	3 - 2.4 1 - 4.8	Ø 20.625 TL 70.60				
TEIKIN NO. **47101**		**TEIKIN NO.** **P 47101**				
REFERENCE NO. 88ANP						

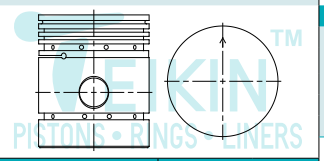


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 10.00 mm

1

488 ANP — 1600 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 79.38 CD 55.60 TL 94.70	2 - 2.0 1 - 2.4 2 - 4.8	Ø 20.625 TL 70.60				
TEIKIN NO. **47102**		**TEIKIN NO.** **P 47101**				
REFERENCE NO. 488ANP						



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 10.00 mm

2

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

PICANTO 1086 cc
HYUNDAI G4HG — 4 cyl.

Ø	67.00	-4.3
CD	24.60	
TL	48.60	

2 - 1.2
1 - 2.0

Ø 17.000
TL 46.50

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
52106	R 52106	P 51117

REFERENCE NO.	REFERENCE NO.
23410-02270	23040-02950/55
23410-02470	23040-02970/81/82
23410-02230	

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 13.00 mm

1

B1 1139 cc
PRIDE 1.1L (97-98) SOHC 8V — 4 cyl.

Ø	68.00	+0.6
CD	31.90	
TL	63.60	

1 - 1.2
1 - 1.5
1 - 3.0

Ø 19.980
TL 52.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
52110	R 52110	P 52110

REFERENCE NO.	REFERENCE NO.
KKY18-11-SA0	KK1Y-11-SCO
KK1Y8-11-SBO	KKY1-11-SCO
KK1Y8-11-SBX	KK1Y8-11-SCO
KK1Y8-11-SBY	KK1YH-11-SDX

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 15.75 mm

2

ION — 3 cyl.

Ø	71.00	-3.2
CD	24.70	
TL	42.70	

1 - 1.0
1 - 1.2
1 - 2.0

Ø 18.000
TL 47.50

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
52114	R 52114	P 30110

REFERENCE NO.	REFERENCE NO.
23041-04000	

Surface Treatment	Bore Clearance
Tin Coated Moly Skirt	MRC: 0.030 mm MP: 7.50 mm

3

ION — 4 cyl.

Ø	71.00	-3.2
CD	24.70	
TL	42.70	

1 - 1.0
1 - 1.2
1 - 2.0

Ø 18.000
TL 47.50

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
52114-4	R 52114-4	P 30110

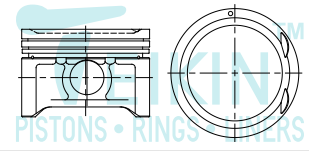
REFERENCE NO.	REFERENCE NO.
23041-04000	

Surface Treatment	Bore Clearance
Tin Coated Moly Skirt	MRC: 0.030 mm MP: 7.50 mm

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

DC 1493 cc — 4 cyl.
RIO
F.I., SOHC 16V
2001-02



Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 7.50 mm

Ø	75.50	-2.3
CD	28.30	
TL	51.30	

2 - 1.2
1 - 2.5

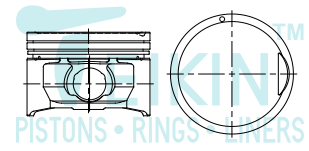
Ø 19.980
TL 52.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
52102	R 52102	P 52110

REFERENCE NO.	REFERENCE NO.
0K3Y2-11-SAO	K3Y0-11-SCO
0K3Y2-11-SBO	0K3Y0-11-SCO
0K3Y2-11-SBX	0K3Y0-11-SDO
	0K3Y0-11-SDX

5

A3E 1343 cc — 4 cyl.
RIO 2000-2005



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 7.50 mm

Ø	75.50	-0.6
CD	32.50	
TL	52.60	

2 - 1.2
1 - 2.5

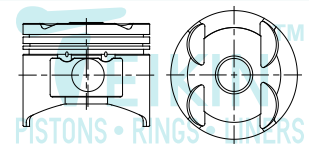
Ø 19.980
TL 52.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
52654	R 52102	P 52110

REFERENCE NO.	REFERENCE NO.
0K3Y-11-5A0	K3Y0-11-SCO
0K3Y0-11-5A0	0K3Y0-11-SCO
0K3Y0-11-SA0	0K3Y0-11-SDO
0K3Y0-11-SB0	0K3Y0-11-SDX
0K3Y0-11-SBX	

6

B6D 1500 cc — 4 cyl.
DOHC



Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 15.50 mm

Ø	78.00	+0.6
CD	31.30	
TL	63.00	

2 - 1.5
1 - 3.0

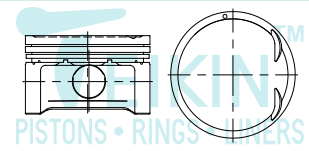
Ø 19.980
TL 65.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
52103	R 52103	P 42146

REFERENCE NO.	REFERENCE NO.
K2Y0-11-SAO	

7

RIO 1.6L 1594 cc — 4 cyl.
RIO 1.6L 2003-2005
DOHC 16V
RIO-CINCO
RIO-RX-V



Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 6.00 mm

Ø	78.00	-0.8
CD	28.30	
TL	48.30	

2 - 1.2
1 - 2.5

Ø 19.980
TL 52.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
52111	R 52111	P 52110

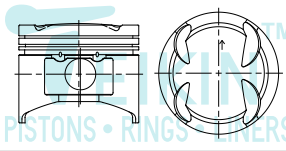
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23410-2X710	0K3Y3-11-SCO
23410-2X905/6	0K3Y3-11-SDO
	0K3Y3-11-SDX

8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

SEPHIA-II
4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 78.00 +1.0	2 - 1.5	Ø 19.980				
CD 31.40		TL 61.00				
TL 63.50	1 - 3.0					
TEIKIN NO. 52113		TEIKIN NO. P 42173				
REFERENCE NO. 0K2Y3-11-103						

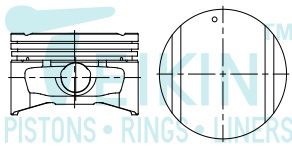


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 15.50 mm

9

CARNIVAL
SEDONA
6 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 80.00 -1.3	1 - 1.2 1 - 1.5	Ø 18.000 TL 53.00		TL 127.0 OD 84.0 FT 50.0 FD 87.45		TEIKIN NO. LKFF 52105
CD 27.30 TL 50.30	1 - 2.5					
TEIKIN NO. 52105	TEIKIN NO. R 52105	TEIKIN NO. P 46332		TEIKIN NO. LFF 52105 Suerface Treatment: None		
REFERENCE NO. 0K9YV-11-SA0	REFERENCE NO. K9YV-11-SCO 0K9YV-11-SCO 0K9YV-11-SE2			REFERENCE NO. 0K9BV-10-311A 21134-3Y210C/D/E 21134-3Y220C/D/E 21134-3Y250C/D/E		

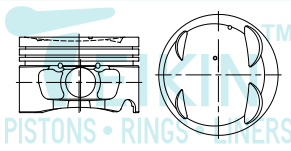


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 9.00 mm

10

CREDOS 1793 cc
DOHC
16V
1998-ON
CLARUS
4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 81.00 -2.6	2 - 1.5	Ø 19.990 TL 59.00				
CD 30.30 TL 50.50	1 - 3.0					
TEIKIN NO. 52108	TEIKIN NO. R 52108	TEIKIN NO. P 44342				
REFERENCE NO. OK2Y4-11-SAO OK2Y4-11-SBX OK2Y4-11-SBO	REFERENCE NO. K2Y3-11-SDX 0K2Y3-11-SCO 0K2Y3-11-SDX 0K2Y3-11-SDO					

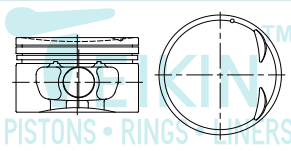


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 5.50 mm

11

SPECTRA
4 cyl.

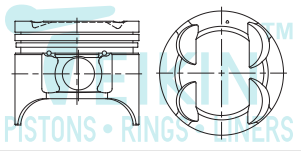
PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 81.00 -2.7	2 - 1.2	Ø 20.000 TL 58.00				
CD 30.20 TL 50.40	1 - 2.5					
TEIKIN NO. 52112	TEIKIN NO. R 52112	TEIKIN NO. P 52112				
REFERENCE NO. 23410-2Y010	REFERENCE NO. 23040-2Y050					



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 5.50 mm

12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
FE **1998 cc**	**Ø 86.00**	2 - 1.5	Ø 22.000					
SPORTAGE 4 cyl.	-0.7		TL 72.00					
1995-2002	CD 36.00							
1995-00	TL 71.00	1 - 4.0						
F.I., DOHC 16V								
	TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**					
	52101	**R 52101**	**P 46199**					
	REFERENCE NO.	**REFERENCE NO.**						
	K9Y2-11-SAO							
	FEYA-11-SAO							



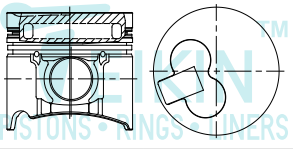
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm
	MP: 20.00 mm

13

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

RFA — 2700 cc — 4 cyl.

HI - BESTA

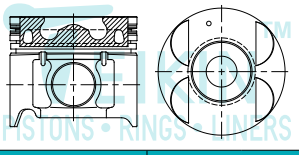


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.50 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 93.00 -2.8 CD 48.20 TL 85.20	2 - 2.0 1 - 3.0	Ø 30.000 TL 75.00		TL OD FT FD	167.5 96.8 2.5 + 0.5 102.2		TEIKIN NO. LKFF 52650A LKSF 52650A LKFF 52650AG LKSF 52650AG
TEIKIN NO. 52650A 52650AG	TEIKIN NO. R 52650	TEIKIN NO. P 52650	TEIKIN NO. B 52650		TEIKIN NO. LFF 52650* LSF 52650 Surface Treatment *Phosphate (PH)		
REFERENCE NO. VNY1-11-SAO	REFERENCE NO. 0VNY1-11-SCO VNY1-11-SCO		REFERENCE NO.		REFERENCE NO. OVN01-10-311 VN01-10-311		14

CARNIVAL-II — 2902 cc — 4 cyl.

SEDONA
K2900

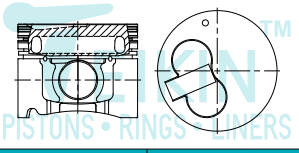


Surface Treatment	Bore Clearance
Tin Coated Moly Skirt	MRC: 0.050 mm MP: 10.50 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 97.10 -17.8 CD 52.00 TL 84.00	1 - 2.0 HK 1 - 2.0 1 - 3.0	Ø 32.000 TL 78.00		TL OD FT FD	168.0 101.5 2.5 + 0.7 106.0	168.0 101.2	TEIKIN NO. LKFF 52107AG LKSF 52107AG LKSX 52107AG
TEIKIN NO. 52107AG	TEIKIN NO. R 52107	TEIKIN NO. P 52107	TEIKIN NO. B 52107		TEIKIN NO. LFF 52107 LSF 52107 LSX 52107 Surface Treatment None		
REFERENCE NO. 0K5Z1-11-SA0	REFERENCE NO. K5Z1-11-SCO 0K5Z1-11-SCO		REFERENCE NO.		REFERENCE NO. 0K551-10-311 0K551-10-311A		15

JT 3.0 — 3000 cc — 4 cyl.

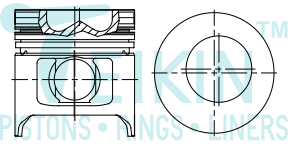
PREGIO 3.0



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 8.25 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 98.00 -4.7 CD 45.50 TL 76.10	2 - 2.0 1 - 3.0	Ø 30.000 TL 78.00		TL OD FT FD	166.2 101.5 2.5 + 0.7 107.0		TEIKIN NO. LKFF 52651A LKSF 52651A LKFF 52651AG LKSF 52651AG
TEIKIN NO. 52651A 52651AG	TEIKIN NO. R 52651	TEIKIN NO. P 43232	TEIKIN NO. B 52651		TEIKIN NO. LFF 52651* LSF 52651 Surface Treatment *Phosphate (PH)		
REFERENCE NO. K7Z1-11-SAO	REFERENCE NO. K7Z1-11-SCO 0K7Z1-11-SCO		REFERENCE NO. 0SE01-11-213		REFERENCE NO. K75A-10-311 OK75A-10-311 OK75A-10-311B OK75B-10-311		16

JD K3500 — 3455 cc — 4 cyl.

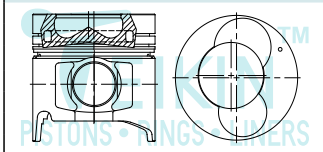


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 21.20 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 100.00 -18.0 CD 58.00 TL 105.00	1 - 2.5 1 - 2.0 1 - 4.5	Ø 34.000 TL 82.00		TL OD FT FD	193.5 103.5 2.5 + 0.8 108.0		TEIKIN NO. LKFF 52652A LKSF 52652A
TEIKIN NO. 52652A	TEIKIN NO. R 52652	TEIKIN NO. P 42107	TEIKIN NO. B 52652		TEIKIN NO. LFF 52652 LSF 52652 Surface Treatment None		
REFERENCE NO. K4YO-11-SAO	REFERENCE NO. K4Y0-11-SCO		REFERENCE NO. OK410-11-213		REFERENCE NO. OK410-10-311B SL01-23-051		17

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

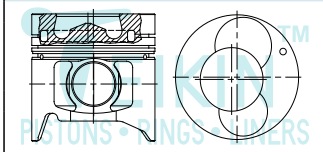
SH K3600 — 3598 cc — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm
Moly Skirt	MP: 19.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 100.00 -19.2 CD 56.20 TL 102.00	2 - 2.0 1 - 3.0	Ø 34.000 TL 82.00		TL 193.5 OD 103.5 FT 2.5 + 0.8 FD 108.0		TEIKIN NO. LKFF 52653G LKSF 52653G
TEIKIN NO. 52653G	TEIKIN NO. R 52653	TEIKIN NO. P 42107	TEIKIN NO. B 52652	TEIKIN NO. LFF 52652 LSF 52652 Surface Treatment None		
REFERENCE NO. K4Y1-11-SAO 0K4Y1-11-SAO	REFERENCE NO. K4Y1-11-SCO 0K4Y1-11-SCO		REFERENCE NO. OK410-11-213	REFERENCE NO. OK410-10-311B SL01-23-051		18

SH K3600 NEW-II — 3598 cc — 4 cyl.



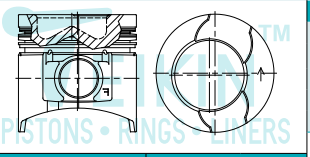
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm
Moly Skirt	MP: 19.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 100.00 -20.0 CD 56.20 TL 102.00	2 - 2.0 1 - 3.0	Ø 34.000 TL 82.00		TL 193.5 OD 103.5 FT 2.5 + 0.8 FD 108.0		TEIKIN NO. LKFF 52656G LKSF 52656G
TEIKIN NO. 52656G	TEIKIN NO. R 52653	TEIKIN NO. P 42107	TEIKIN NO. B 52652	TEIKIN NO. LFF 52652 LSF 52652 Surface Treatment None		
REFERENCE NO. K47A-11-102 K47A-11-SAO K4Y2-11-SAO OK4Y2-11-SCO	REFERENCE NO. K4Y1-11-SCO 0K4Y1-11-SCO		REFERENCE NO. OK410-11-213	REFERENCE NO. OK410-10-311B SL01-23-051		19

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

S6D95 — 1 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 95.00 -19.6 CD 51.20 TL 94.20	1 - 2.5 FK 1 - 2.3 HK 1 - 4.0	Ø 30.000 TL 74.00		TL 180.0 OD 98.0 FT 4.0 FD 104.0		TEIKIN NO. LKFF 64101A-1
TEIKIN NO. 64101A-1	TEIKIN NO. R 64101-1	TEIKIN NO. P 44630	TEIKIN NO. B 64101	TEIKIN NO. LFF 64605*		
				Surface Treatment *Phosphate (PH)		
REFERENCE NO. 6207-31-2141	REFERENCE NO. 6207-31-2400 6207-31-2500 6207-31-2501		REFERENCE NO. 6206-31-3130 6207-31-3130	REFERENCE NO. 6207-21-2110 6207-21-2120 6207-21-2121		

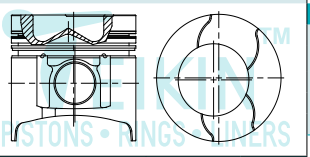


Surface Treatment	Bore Clearance
None	MRC: 0.060 mm MP: 21.40 mm

1

4D95 — 3260 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 95.00 -19.8 CD 51.10 TL 94.00	2 - 2.0 1 - 4.0	Ø 30.000 TL 74.00		TL 180.0 OD 98.0 FT 4.0 FD 104.0		TEIKIN NO. LKFF 64601 LKFF 64601A
TEIKIN NO. 64601 64601A	TEIKIN NO. R 64601	TEIKIN NO. P 44666	TEIKIN NO. B 64601	TEIKIN NO. LFF 64601*		
				Surface Treatment *Phosphate (PH)		
REFERENCE NO. 6204-31-2121	REFERENCE NO. 6204-31-2200 6204-31-2203		REFERENCE NO. 6204-31-3130 6206-31-3130 6207-31-3130	REFERENCE NO. 6207-21-2110 6207-21-2120 6207-21-2121		

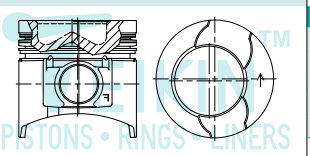


Surface Treatment	Bore Clearance
None	MRC: 0.050 mm MP: 22.00 mm

2

S6D95 — 4890 cc — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 95.00 -19.6 CD 51.20 TL 94.20	1 - 2.5 FK 1 - 2.3 HK 1 - 4.0	Ø 30.000 TL 74.00		TL 180.0 OD 98.0 FT 4.0 FD 104.0		TEIKIN NO. LKFF 64101A
TEIKIN NO. 64101A	TEIKIN NO. R 64101	TEIKIN NO. P 44630	TEIKIN NO. B 64101	TEIKIN NO. LFF 64605*		
				Surface Treatment *Phosphate (PH)		
REFERENCE NO. 6207-31-2141	REFERENCE NO. 6207-31-2400 6207-31-2500 6207-31-2501		REFERENCE NO. 6206-31-3130 6207-31-3130	REFERENCE NO. 6207-21-2110 6207-21-2120 6207-21-2121		

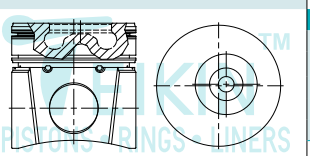


Surface Treatment	Bore Clearance
None	MRC: 0.060 mm MP: 21.40 mm

3

S6D102 — 1 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 102.00 -22.0 CD 71.60 TL 105.40	1 - 2.9 FK 1 - 2.4 1 - 4.0	Ø 40.000 TL 83.00		TL OD	200.0 104.5	TEIKIN NO. LKSX 64102A-1
TEIKIN NO. 64102A-1	TEIKIN NO. R 64102-1	TEIKIN NO. P 64102	TEIKIN NO. B 64102	TEIKIN NO. LSX 64102		
				Surface Treatment None		
REFERENCE NO. 6735-31-2111-0 6735-31-2110 6735-31-2140	REFERENCE NO. 6738-31-2030 6738-31-2031		REFERENCE NO. 6732-31-3130 6732-31-3131 6732-31-3132	REFERENCE NO. 6736-29-2110		

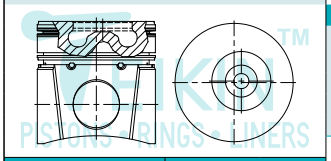


Surface Treatment	Bore Clearance
None	MRC: 0.100 mm MP: 10.00 mm

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

S6D102 — 5900 cc — 6 cyl.

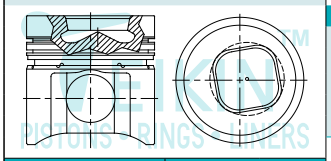


Surface Treatment	Bore Clearance
None	MRC: 0.100 mm MP: 10.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 102.00 -22.0 CD 71.60 TL 105.40	1 - 2.9 FK 1 - 2.4 1 - 4.0	Ø 40.000 TL 83.00		TL OD		200.0 104.5	TEIKIN NO. **LKSX 64102A**
TEIKIN NO. **64102A**	**TEIKIN NO.** **R 64102**	**TEIKIN NO.** **P 64102**	**TEIKIN NO.** **B 64102**		**TEIKIN NO.** **LSX 64102** Surface Treatment None		
REFERENCE NO. 6735-31-2111-0 6735-31-2110 6735-31-2140	**REFERENCE NO.** 6738-31-2030 6738-31-2031		**REFERENCE NO.** 6732-31-3130 6732-31-3131 6732-31-3132		**REFERENCE NO.** 6736-29-2110		

5

4D105 — 4326 cc — 4 cyl.



Surface Treatment	Bore Clearance
None	MRC: 0.140 mm MP: 15.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 105.00 -22.7 CD 69.00 TL 107.50	1 - 3.0 1 - 2.5 1 - 5.0	Ø 40.000 TL 84.00		TL OD FT FD	223.0 118.7 10.0 + 1.0 127.0		TEIKIN NO. **LKFF 64602A**
TEIKIN NO. **64602A**	**TEIKIN NO.** **R 64602**	**TEIKIN NO.** **P 64602**	**TEIKIN NO.** **B 64602**		**TEIKIN NO.** **LFF 64602*** Surface Treatment *Phosphate (PH)		
REFERENCE NO. 6136-31-2012 6136-31-2112	**REFERENCE NO.** 6130-31-2202 6130-32-2202 6130-32-2301 6130-32-2302		**REFERENCE NO.** 6136-31-3130		**REFERENCE NO.** 6136-21-2210 6137-21-2210 6137-22-2210		

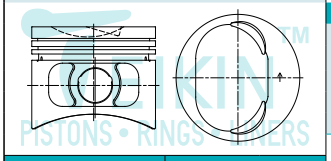
6

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
2101 4 cyl.	Ø 76.00 CD 37.90 TL 76.90	1 - 1.5 1 - 2.0 1 - 3.95	Ø 21.982 TL 67.00					
	TEIKIN NO. 59101		TEIKIN NO. P 59101					
	REFERENCE NO.							
Surface Treatment: Moly Skirt	Bore Clearance: MRC: 0.030 mm MP: 20.00 mm							1
21011 4 cyl.	Ø 79.00 -1.9 CD 37.90 TL 76.90	1 - 1.5 1 - 2.0 1 - 3.95	Ø 21.982 TL 67.00					
	TEIKIN NO. 59103		TEIKIN NO. P 59101					
	REFERENCE NO.							
Surface Treatment: Tin Coated	Bore Clearance: MRC: 0.030 mm MP: 20.00 mm							2
VAZ 2105 1294 cc 4 cyl.	Ø 79.00 -6.9 CD 38.00 TL 76.90	1 - 1.5 1 - 2.0 1 - 3.95	Ø 21.982 TL 67.00					
	TEIKIN NO. 59109	TEIKIN NO. R 59109	TEIKIN NO. P 59101					
	REFERENCE NO. P0990351	REFERENCE NO. 21011-1000100-00 21011-1000100-10 KS: 800013641000 KS: 800013642000						
Surface Treatment: Tin Coated	Bore Clearance: MRC: 0.030 mm MP: 20.00 mm							3
21083 4 cyl.	Ø 82.00 -6.5 CD 37.90 TL 65.90	1 - 1.5 1 - 2.0 1 - 3.95	Ø 21.982 TL 67.00					
	TEIKIN NO. 59105	TEIKIN NO. R 59107	TEIKIN NO. P 59101					
	REFERENCE NO.	REFERENCE NO.						
Surface Treatment: Moly Skirt	Bore Clearance: MRC: 0.030 mm MP: 12.50 mm							4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

2110

4 cyl.



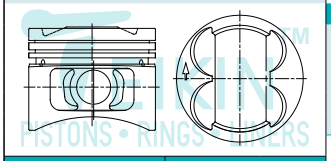
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 12.50 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 82.00 -6.5 CD 37.90 TL 65.90	1 - 1.5 1 - 2.0 1 - 3.95	Ø 21.982 TL 60.00				
TEIKIN NO. 59106	TEIKIN NO. R 59107	TEIKIN NO. P 59106				
REFERENCE NO.	REFERENCE NO.					

5

VAZ 2112

4 cyl.



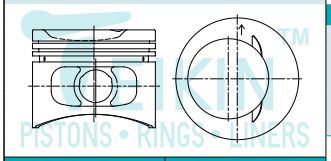
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 10.50 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 82.00 +0.9 CD 38.00 TL 66.80	1 - 1.5 1 - 2.0 1 - 3.95	Ø 21.982 TL 60.00				
TEIKIN NO. 59107	TEIKIN NO. R 59107	TEIKIN NO. P 59106				
REFERENCE NO. KS: 99 753 600	REFERENCE NO. KS: 800013842000					

6

21213

4 cyl.



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 12.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 82.00 -7.4 CD 37.90 TL 65.90	1 - 1.5 1 - 2.0 1 - 3.95	Ø 21.982 TL 67.00				
TEIKIN NO. 59108		TEIKIN NO. P 59101				
REFERENCE NO.						

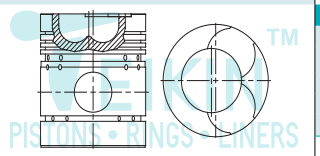
7

TEIKIN™
PISTONS • RINGS • LINERS

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
3.562 4 cyl.	Ø 90.49 CD 58.45 TL 99.95	2 - 1.8 1 - 4.8	Ø 25.400 TL 75.90				
	TEIKIN NO. 40103		TEIKIN NO. P 40103				
	REFERENCE NO. 502256						

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 14.00 mm

1

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
4.98 NV **3770 cc** FG / TERRIER SERIES TRACTORS 262, 272, 470, 462 **4 cyl.**	**Ø 98.00** -25.0 CD 68.30 TL 116.30	3 - 2.4 1 - 6.4 1 - 4.8	Ø 34.925 TL 82.50					
	**TEIKIN NO.** **50101**		**TEIKIN NO.** **P 50101**					
Surface Treatment None	**Bore Clearance** MRC: 0.150 mm MP: 22.00 mm	**REFERENCE NO.** AE 350236						

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

MAXIMO — 2 cyl.

Ø	83.00	-14.0
CD	43.80	
TL	67.80	

RINGS
1 - 2.0 FK
1 - 1.5
1 - 2.0

Ø	30.000
TL	66.00

TL	146.0
OD	86.1
FT	4.9
FD	86.9

PISTON SET TEIKIN NO.	RINGS TEIKIN NO.	PIN TEIKIN NO.	LINER: FLANGED TEIKIN NO.	LINER KIT SET TEIKIN NO.
66105A	R 66105	P 66105	LSF 66105	LKSF 66105A

Surface Treatment: None

PISTON SET REFERENCE NO.	RINGS REFERENCE NO.	LINER: FLANGED REFERENCE NO.
0312BAU01280N		

Surface Treatment	Bore Clearance
Chromated	MRC: 0.060 mm
Moly Skirt	MP: 6.00 mm

1

SCORPIO M HAWK — 4 cyl.

Ø	85.00	-15.8
CD	48.00	
TL	72.90	

RINGS
1 - 2.5 FK
1 - 2.0
1 - 2.5

Ø	31.000
TL	70.00

PISTON SET TEIKIN NO.	RINGS TEIKIN NO.	PIN TEIKIN NO.
66106A	R 66106	P 66106

PISTON SET REFERENCE NO.	RINGS REFERENCE NO.
0312BM050N	

Surface Treatment	Bore Clearance
Chromated	MRC: 0.050 mm
Moly Skirt	MP: 6.00 mm

2

MDI 3200 — 4 cyl.

Ø	88.90	-18.4
CD	51.30	
TL	84.30	

RINGS
1 - 3.0 FK
1 - 2.5
1 - 4.0

Ø	28.000
TL	67.00

TL	173.0
OD	99.5
FT	5.7
FD	103.3

PISTON SET TEIKIN NO.	RINGS TEIKIN NO.	PIN TEIKIN NO.	LINER: FLANGED TEIKIN NO.	LINER KIT SET TEIKIN NO.
66103A	R 66103	P 58118	LFF 66103	LKFF 66103A

Surface Treatment: None

PISTON SET REFERENCE NO.	RINGS REFERENCE NO.	LINER: FLANGED REFERENCE NO.

Surface Treatment	Bore Clearance
Chromated	MRC: 0.040 mm
	MP: 7.00 mm

3

XD3P — 4 cyl.

Ø	94.00	-2.0
CD	53.90	
TL	91.30	

RINGS
2 - 2.0
1 - 4.0

Ø	30.000
TL	79.80

TL	166.5
OD	97.1
FT	4.0
FD	99.4

PISTON SET TEIKIN NO.	RINGS TEIKIN NO.	PIN TEIKIN NO.	LINER: FLANGED TEIKIN NO.	LINER KIT SET TEIKIN NO.
66104	R 66104	P 44296	LSF 66104	LKSF 66104

Surface Treatment: None

PISTON SET REFERENCE NO.	RINGS REFERENCE NO.	LINER: FLANGED REFERENCE NO.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm
	MP: 15.00 mm

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
SCORPIO CRD 4 cyl.	Ø 94.00 -16.5 CD 54.10 TL 90.10	1 - 3.0 FK 1 - 2.5 1 - 4.0	Ø 32.000 TL 76.00			TL 176.7 OD 111.0 FT 9.0 + 1.0 FD 115.0		TEIKIN NO. **LKFF 66101A**
	TEIKIN NO. **66101A**	TEIKIN NO. **R 66101**	TEIKIN NO. **P 46613**			TEIKIN NO. **LFF 66101**		
						Surface Treatment None		
Surface Treatment: Chromated Bore Clearance: MRC: 0.060 mm MP: 11.00 mm	REFERENCE NO. 0312BC0181N	REFERENCE NO.				REFERENCE NO.		

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

PB — 987 cc — 4 cyl.

1967 FAMILIA

Ø	68.00	+4.0
CD	41.75	
TL	73.45	

2 - 2.0
1 - 4.0

Ø 20.000
TL 55.00

TL	125.0
OD	77.0
FT	8.5
FD	88.0

TEIKIN NO. LKFF 42108

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42108	R 42108	P 42108	LFF 42108

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.35 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
0249-99-111 0259-23-200 0249-11-102	0249-23-170A 0249-23-206 0259-23-170 0259-23-260	0249-10-311

1

TB — 1139 cc — 4 cyl.

Ø	70.00	+2.0
CD	39.00	
TL	71.00	

2 - 2.0
1 - 4.0

Ø 19.980
TL 56.00

TL	132.0
OD	77.0
FT	8.5
FD	88.0

TEIKIN NO. LKFF 42656

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42656	R 42656	P 42656	LFF 42656

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 15.50 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
0268-23-200 0268-11-102 0271-23-200	0211-23-999 0268-23-170 0268-23-206 0317-23-130	0268-10-311 0271-23-206

2

B3 — 1323 cc — 4 cyl.

323 1.3L SEDAN
1989-ON
KIA PRIDE

Ø	71.00	-1.2
CD	28.75	
TL	60.00	

1 - 2
1 - 1.5
1 - 3.0

Ø 20.000
TL 52.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42127	R 42127	P G2101

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.50 mm

REFERENCE NO.	REFERENCE NO.
B3Y0-11-SA0 KK1YO-11-SAO B315-11-102	B3Y0-11-SCOA B3Y1-11-SCO B3Y1-11-SCOA B3Y1-11-SDO

3

B3-III — 4 cyl.

Ø	71.00	+0.5
CD	28.80	
TL	60.00	

1 - 2
1 - 1.5
1 - 3.0

Ø 19.980
TL 52.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42217	R 42127	P 52110

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 13.50 mm

REFERENCE NO.	REFERENCE NO.
B3Z0-11-SA0	B3Y0-11-SCOA B3Y1-11-SCO B3Y1-11-SCOA B3Y1-11-SDO

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

B3-II 1323 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 71.00 -8.8 CD 29.40 TL 60.00	1 - 1.2 1 - 1.5 1 - 3.0	Ø 20.000 TL 52.00				
TEIKIN NO. **42660**	**TEIKIN NO.** **R 42127**	**TEIKIN NO.** **P G2101**				
REFERENCE NO. B3C7-11-102 B3Y6-11-SA0B B3Y6-11-SA0	**REFERENCE NO.** B3Y0-11-SCOA B3Y1-11-SCO B3Y1-11-SCOA B3Y1-11-SDO					

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.00 mm

5

TC LATE 1272 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 73.00 +1.3 CD 31.00 TL 64.30	2 - 1.5 1 - 4.0	Ø 20.000 TL 65.00				
TEIKIN NO. **42607** **(42182)**	**TEIKIN NO.** **R 42607**	**TEIKIN NO.** **P 56101**				
REFERENCE NO. 8034-23-200	**REFERENCE NO.** 8034-23-130 8034-23-130A					

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 18.00 mm

6

TC 1272 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 73.00 +1.4 CD 37.10 TL 70.40	2 - 2.0 1 - 4.0	Ø 20.000 TL 55.00				
TEIKIN NO. **42651**	**TEIKIN NO.** **R 42651**	**TEIKIN NO.** **P 42108**				
REFERENCE NO. 0370-23-200 0370-99-111	**REFERENCE NO.** 0324-23-130 0324-23-175					

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.75 mm

7

TC-II 1272 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 73.00 CD 37.10 TL 69.00	2 - 2.0 1 - 4.0	Ø 20.000 TL 55.00				
TEIKIN NO. **42670**	**TEIKIN NO.** **R 42651**	**TEIKIN NO.** **P 42108**				
REFERENCE NO. 0324-23-200 0324-99-111	**REFERENCE NO.** 0324-23-130 0324-23-175					

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.75 mm

8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	LINER NO FLANGE	LINER KIT SET

ZJ — **1348 cc** — 4 cyl.
2 ~ 3
(03-06)
DOHC 16V

Ø	74.00
	-3.3
CD	27.50
TL	46.00

2 - 1.2
1 - 2.5

Ø 18.000
TL 59.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42679	R 42679	P 46141

REFERENCE NO.	REFERENCE NO.
ZJY1-11-SAO	ZJY1-11-SCO
ZJY1-11-SAOA	ZJY2-11-SCO
ZJY2-11-SAOA	

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 6.00 mm

9

SKYACTIV-G 1.5L — 4 cyl.

Ø	74.50
	+7.4
CD	23.60
TL	49.30

2 - 1.0
1 - 2.0

Ø 18.000
TL 43.00

TEIKIN NO.	TEIKIN NO.
42224	P 42224

REFERENCE NO.
P5Y2-11-SA0

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 7.00 mm

10

Z5 — **1489 cc** — 4 cyl.
PROTÉGÉ
F.I; DOHC 4, 16V
1995-98

Ø	75.30
	-6.25
CD	28.11
TL	51.80

1 - 1.0
1 - 1.2
1 - 2.5

Ø 19.980
TL 61.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42173	R 42173	P 42173

REFERENCE NO.	REFERENCE NO.
Z5YO-11-SAO	Z5Y0-11-SCO
Z5Y0-11-SA0B	Z5Y0-11-SDO
	Z5Y0-11-SDX
	Z5Z0-11-SDO

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 12.00 mm

11

E3 — **1296 cc** — 4 cyl.
E5 OLD
1983

Ø	77.00
	+0.8
CD	28.96
TL	61.65

1 - 1.5
1 - 2.0
1 - 4.0

Ø 19.980
TL 65.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42131	R 42131	P 42146

REFERENCE NO.	REFERENCE NO.
E302-23-200/A	E302-23-130A
E302-11-102A	E302-23-131A
	E302-23-132A

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 15.50 mm

12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

E5 NEW — 1490 cc — 4 cyl.

1980 BONGO LASER

PISTON SET	RINGS	PIN
Ø 77.00	1 - 1.2	Ø 20.000
-2.5	1 - 1.5	TL 66.00
CD 29.00		
TL 61.00	1 - 4.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
42132	**R 42132**	**P 46187**
REFERENCE NO.	**REFERENCE NO.**	
E501-23-200	E301-23-130 E301-23-130A E512-23-130	

Surface Treatment	Bore Clearance
Chromated	MRC: 0.030 mm MP: 16.00 mm

13

E5-II — 1490 cc — 4 cyl.

PISTON SET	RINGS	PIN
Ø 77.00	1 - 1.5	Ø 19.980
-2.5	1 - 2.0	TL 65.00
CD 29.00		
TL 61.00	1 - 4.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
42196	**R 42131**	**P 42146**
REFERENCE NO.	**REFERENCE NO.**	
E502-23-200A E502-23-200 E502-11-102A	E302-23-130A E302-23-131A E302-23-132A	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.00 mm

14

UC — 1415 cc — 4 cyl.

PISTON SET	RINGS	PIN
Ø 77.00	2 - 1.5	Ø 19.990
-1.2		TL 65.00
CD 31.00		
TL 63.00	1 - 4.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
42600 **(42187)**	**R 42600**	**P 42600**
REFERENCE NO.	**REFERENCE NO.**	
8569-23-200	8569-23-130 8569-23-130A	

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 18.00 mm

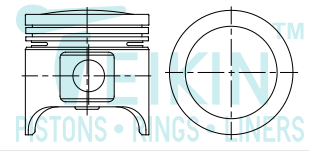
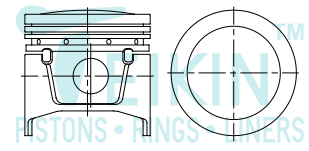
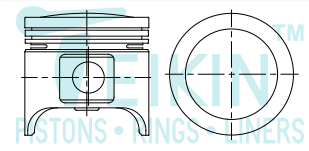
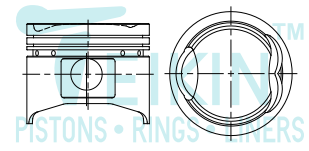
15

E3-II — 1296 cc — 4 cyl.

PISTON SET	RINGS	PIN
Ø 77.00	1 - 1.2	Ø 19.990
+0.8	1 - 1.5	TL 65.00
CD 29.00		
TL 61.80	1 - 4.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
42652	**R 42132**	**P 42600**
REFERENCE NO.	**REFERENCE NO.**	
E301-23-200	E301-23-130 E301-23-130A E512-23-130	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 19.00 mm

16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET
NA NEW 1586 cc B-1600 4 cyl.	Ø 78.00 +2.6 CD 38.56 TL 78.20	1 - 1.5 1 - 2.0 1 - 4.0	Ø 19.980 TL 65.00		TL OD		146.0 82.0	TEIKIN NO. LKSX 42140
 Surface Treatment: None Bore Clearance: MRC: 0.030 mm, MP: 19.00 mm	TEIKIN NO. 42140 REFERENCE NO. H602-23-200	TEIKIN NO. R 42170 REFERENCE NO. H617-23-130	TEIKIN NO. P 42146		TEIKIN NO. LSX 42141 Surface Treatment None REFERENCE NO. 305-23-208			17
NA OLD 1586 cc B-1600 1971 BONGO TRK, 1T, 3/4T GL, GX BONGO MULTI-VAN CAPELLA HARD TOP CUSTOM 4 cyl.	Ø 78.00 +2.5 CD 38.40 TL 77.95	2 - 1.5 1 - 4.0	Ø 22.000 TL 65.00		TL OD		146.0 82.0	TEIKIN NO. LKSX 42141
 Surface Treatment: Tin Coated Bore Clearance: MRC: 0.030 mm, MP: 17.55 mm	TEIKIN NO. 42141 REFERENCE NO. 0305-23-200 0305-23-200A 0305-11-102	TEIKIN NO. R 42141 REFERENCE NO. 0222-23-206 0222-23-130 0290-23-130 0290-23-131	TEIKIN NO. P 42141		TEIKIN NO. LSX 42141 Surface Treatment None REFERENCE NO. 305-23-208			18
NA NEW - II 1586 cc B-1600 626 4 cyl.	Ø 78.00 +2.6 CD 38.56 TL 78.20	1 - 1.2 1 - 1.5 1 - 4.0	Ø 19.980 TL 65.00		TL OD		146.0 82.0	TEIKIN NO. LKSX 42142
 Surface Treatment: None Bore Clearance: MRC: 0.030 mm, MP: 19.00 mm	TEIKIN NO. 42142 REFERENCE NO. 8170-23-200 H601-23-200 8170-23-200A	TEIKIN NO. R 42142 REFERENCE NO. 8170-23-130 8170-23-130A 8658-23-130 H604-23-130	TEIKIN NO. P 42146		TEIKIN NO. LSX 42141 Surface Treatment None REFERENCE NO. 305-23-208			19
B6 1597 cc 323 4 cyl. F.I ; SOHC 4 1986 - 87	Ø 78.00 -2.0 CD 31.90 TL 63.00	2 - 1.5 1 - 4.0	Ø 19.980 TL 65.00					
 Surface Treatment: Tin Coated Bore Clearance: MRC: 0.020 mm, MP: 14.50 mm	TEIKIN NO. 42171 REFERENCE NO. B6Y0-11-SA0 B6Y0-11-SA0A B630-11-102	TEIKIN NO. R 42171 REFERENCE NO. B6Y0-11-SCO B6Y0-11-SCOA B6Y0-11-SDO B6Y0-11-SDOA	TEIKIN NO. P 42146					20

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

B6 - II — 1597 cc — 4 cyl.

B5

PISTON SET	RINGS	PIN
Ø 78.00	2 - 1.5	Ø 19.980
-3.0		TL 65.00
CD 32.46		
TL 63.00	1 - 3.0	
TEIKIN NO. 42172	**TEIKIN NO.** R 42172	**TEIKIN NO.** P 42146
REFERENCE NO. B6Y2-11-SAO, B6Y2-11-SBO, B6Y2-11-SBX	**REFERENCE NO.** B6Y3-11-SCO, B6Y3-11-SCOA, B6Y3-11-SDO, B6Y3-11-SDX	

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 16.50 mm

21

Z6 — 1600 cc — 4 cyl.

MAZDA3 1.6L

PISTON SET	RINGS	PIN
Ø 78.00	2 - 1.2	Ø 18.980
-1.9		TL 58.00
CD 29.80		
TL 48.30	1 - 2.5	
TEIKIN NO. 42211	**TEIKIN NO.** R 42211	**TEIKIN NO.** P 42202
REFERENCE NO. Z6Y1-11-SAO	**REFERENCE NO.** ZYY1-22-SCO, ZYY2-11-SCO	

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 5.00 mm

22

ZM — 1597 cc — 4 cyl.

PROTÉGÉ
1999-2002
F.I. DOHC 16V

PISTON SET	RINGS	PIN
Ø 78.00	1 - 1.2	Ø 19.980
-3.8	1 - 1.5	TL 61.00
CD 31.00		
TL 54.50	1 - 3.0	
TEIKIN NO. 42214	**TEIKIN NO.** R 42214	**TEIKIN NO.** P 42173
REFERENCE NO. ZMY0-11-SA0	**REFERENCE NO.** ZLY0-11-SCO, ZLY0-11-SDO, ZLY0-11-SDX	

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 11.00 mm

23

MZR 1.5L — 1475 cc — 4 cyl.

MAZDA2 2011

PISTON SET	RINGS	PIN
Ø 78.00	2 - 1.2	Ø 18.980
-1.6		TL 58.00
CD 26.90		
TL 45.50	1 - 2.5	
TEIKIN NO. 42219	**TEIKIN NO.** R 42219	**TEIKIN NO.** P 42202
REFERENCE NO. ZYY3-11-SA0	**REFERENCE NO.**	

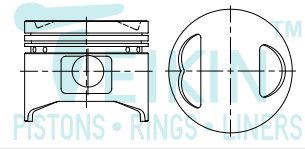
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

24

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

B5 — 1498 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 78.00	2 - 1.5	Ø 19.980				
-6.2		TL 61.00				
CD 31.90						
TL 63.50	1 - 4.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
42653	**R 42171**	**P 42173**				
REFERENCE NO.	**REFERENCE NO.**					
B505-11-102B	B6Y0-11-SCO					
B5Y5-11-A0A	B6Y0-11-SCOA					
B5Y1-11-SA0	B6Y0-11-SDO					
	B6Y0-11-SDOA					

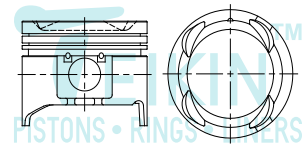


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.50 mm

25

B6-T — 1597 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 78.00	2 - 1.5	Ø 19.990				
-5.7		TL 61.50				
CD 32.30						
TL 63.60	1 - 4.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
42662	**R 42171**	**P 42662**				
REFERENCE NO.	**REFERENCE NO.**					
B6Z0-11-SA0	B6Y0-11-SCO					
B6Z0-11-SA0C	B6Y0-11-SCOA					
	B6Y0-11-SDO					
	B6Y0-11-SDOA					



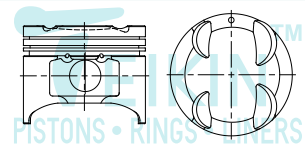
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 14.30 mm

26

B6ZE — 1498 cc — 4 cyl.

B6-ME
MX3
1994 - 95
F.I. DOHC 16V

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 78.00	2 - 1.5	Ø 19.990				
-2.5		TL 57.00				
CD 31.90						
TL 62.50	1 - 3.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
42668	**R 42172**	**P 44328**				
REFERENCE NO.	**REFERENCE NO.**					
B6Z7-11-SAO	B6Y3-11-SCO					
0K2YA-11-SAO	B6Y3-11-SCOA					
B6BF-11-102	B6Y3-11-SDO					
BP05-11-102	B6Y3-11-SDX					

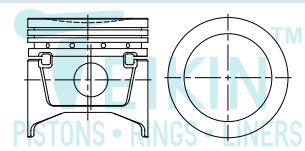


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 15.50 mm

27

VB — 1796 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 78.00	2 - 1.5	Ø 22.000		TL 146.0		TEIKIN NO.
-2.8		TL 65.50		OD 82.0		LKSX 42669
CD 39.90						
TL 76.90	1 - 4.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		
42669	**R 42141**	**P 42669**		**LSX 42141**		
				Surface Treatment		
				None		
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**		
0290-23-200	0222-23-206			305-23-208		
3879-23-200	0222-23-130					
	0290-23-130					
	0290-23-131					



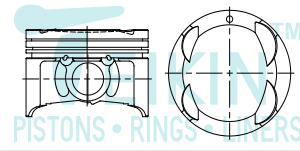
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.00 mm

28

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

ZL-VE — 1498 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 78.00	1 - 1.2	Ø 20.000				
-1.6	1 - 1.5	TL 61.00				
CD 30.60						
TL 54.00	1 - 3.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
42672	**R 42214**	**P 46310**				
REFERENCE NO.	**REFERENCE NO.**					
ZLY2-11-SAO	ZLY0-11-SCO					
ZLY2-11-SBO	ZLY0-11-SDO					
ZLY2-11-SBX	ZLY0-11-SDX					

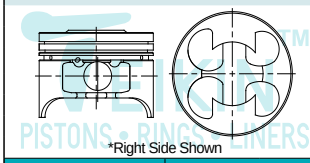


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.00 mm

29

KF — 1995 cc — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 78.00	2 - 1.5	Ø 18.980				
+1.5		TL 59.00				
CD 28.70						
TL 57.50	1 - 3.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
42665	**R 42665**	**P 42665**				
REFERENCE NO.	**REFERENCE NO.**					
KFY1-11-SA0(R/L)	KYF2-11-SCOA					
	KYF2-11-SDOA					
	KYF2-11-SDXA					



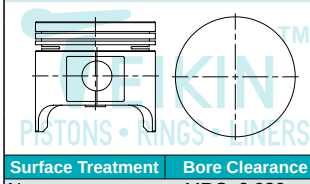
*Right Side Shown

Surface Treatment	Bore Clearance
Tin Coated Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

30

MA — 1970 cc — 1981 — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 80.00	1 - 1.2	Ø 19.980		TL 177.8		TEIKIN NO.
	1 - 1.5	TL 65.00		OD 84.0		LKSX 42146
CD 36.31						
TL 73.30	1 - 4.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		
42146	**R 42146**	**P 42146**		**LSX 42146**		
				Surface Treatment		
				None		
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**		
HE01-23-200	8682-23-130			8173-23-206		
8682-23-200	8682-23-130A					
4112-23-200	D97Z-6149					
	HE18-23-130					

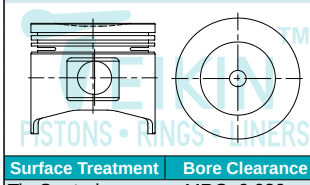


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 19.00 mm

31

VC OLD — 1769 cc — 1973 LUCE — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 80.00	2 - 2.0	Ø 22.000		TL 177.8		TEIKIN NO.
-1.9		TL 65.00		OD 84.0		LKSX 42152
CD 36.00						
TL 73.00	1 - 4.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		
42152	**R 42152**	**P 42141**		**LSX 42146**		
				Surface Treatment		
				None		
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**		
0453-23-200	0453-23-130			8173-23-206		
	0453-23-130B					
	3975-23-130					



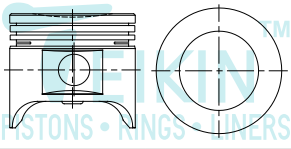
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 18.75 mm

32

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

VC NEW — 1769 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 80.00	1 - 1.5	Ø 20.000		TL 146.0			TEIKIN NO.
-2.2	1 - 2.0	TL 66.00		OD 82.0			LKSX 42170
CD 35.90							
TL 72.80	1 - 4.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
42170	R 42170	P 46187		LSX 42141			
				Surface Treatment: None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
H802-23-200	H617-23-130			305-23-208			

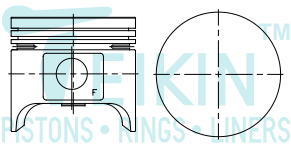


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 20.00 mm

33

MA-IV — 1970 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 80.00	1 - 1.5	Ø 19.980		TL 177.8			TEIKIN NO.
	1 - 2.0	TL 65.00		OD 84.0			LKSX 42203
CD 36.30							
TL 73.30	1 - 4.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
42203	R 42203	P 42146		LSX 42146			
				Surface Treatment: None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
HE41-23-200	HE05-23-130			8173-23-206			

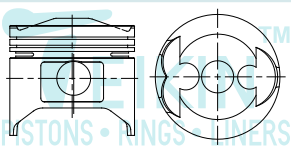


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 19.00 mm

34

F6 — 1587 cc — 4 cyl.
1982

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 81.00	2 - 1.5	Ø 21.980		TL 150.0			TEIKIN NO.
+4.7		TL 67.00		OD 85.0			LKSX 42159
CD 34.31							
TL 76.00	1 - 4.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
42159	R 42159	P 42164		LSX 42159			
				Surface Treatment: None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
F605-23-200	F601-23-130/A F601-23-131/A F6Y1-11-SCO/DO F6Y1-11-SDX/Y/Z						

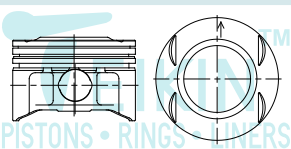


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 20.00 mm

35

GY — 2498 cc — 6 cyl.
MPV
2000-01
DOHC 24V

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 81.65	1 - 1.2	Ø 21.015					
+2.0	1 - 1.5	TL 55.50					
CD 30.00							
TL 55.60	1 - 3.0						
TEIKIN NO.		TEIKIN NO.					
42199		P 42199					
REFERENCE NO.							
GY01-11-100C 1U2ZZ6100AA							



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 9.50 mm

36

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

VA — 1985 cc — 4 cyl.

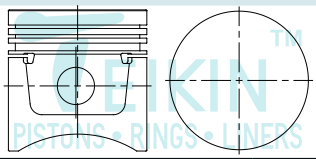
Ø	82.00
CD	45.00
TL	83.50

2 - 2.0
1 - 4.5

Ø	22.000
TL	71.00

TL	168.5
OD	90.0
FT	9.0
FD	98.0

TEIKIN NO. LKFF 42612



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42612 (42181)	R 42612	P 42612	B 42612	LFF 42612

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
0553-23-200	0552-23-180 0552-23-190 1352-23-130		0107-11-212 0170-11-212	0552-10-311 0552-10-311A

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 24.00 mm

37

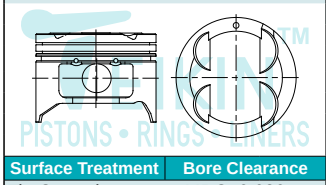
BP05 — 1839 cc — 4 cyl.

1990-96
F.I., DOHC
PROTÉGÉ, MIATA

Ø	83.00
	+0.5
CD	30.65
TL	61.50

2 - 1.5
1 - 3.0

Ø	20.000
TL	56.58



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42165	R 42165	P 42165

REFERENCE NO.	REFERENCE NO.
BPY1-11-SAO BPY1-11-SAOA	BPY1-11-SCO/DO/DX BPY4-11-SCO/DO BPZ0-11-SCOA/B BPZ0-11-SDOA/B

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 15.00 mm

38

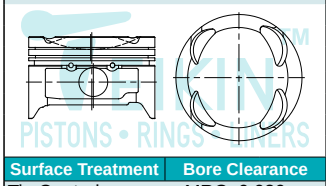
FS — 1991 cc — 4 cyl.

FP
626, MX6
16 VALVE, F.I., DOHC 4
1993-1995

Ø	83.00
	-8.5
CD	29.85
TL	53.85

1 - 1.2
1 - 1.5
1 - 3.0

Ø	19.000
TL	58.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42166 (42650)	R 42166	P 32125

REFERENCE NO.	REFERENCE NO.
FSY1-11-SA0 FP01-11-102A	FSY1-11-SCO/DO/DX FSY2-11-SCO/DO/DX FSY1-11-SCOA/DOA/DXA FSY2-11-SCOA/DOA/DXA

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 11.00 mm

39

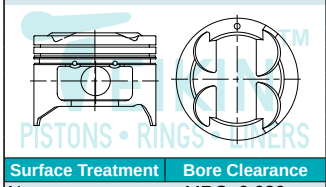
BP-II — 1839 cc — 4 cyl.

MIATA
1999-2002
DOHC 16V

Ø	83.00
	+2.0
CD	30.70
TL	63.00

2 - 1.5
1 - 3.0

Ø	20.000
TL	56.58



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42200	R 42165	P 42165

REFERENCE NO.	REFERENCE NO.
BPZ0-11-SA0	BPY1-11-SCO/DO/DX BPY4-11-SCO/DO BPZ0-11-SCOA/B BPZ0-11-SDOA/B

Surface Treatment	Bore Clearance
None	MRC: 0.020 mm MP: 15.00 mm

40

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

FP — **1839 cc** — 4 cyl.
PROTÉGÉ
1999-2000
F.I. DOHC 16V

Ø 83.00	RINGS	PIN
-6.3	1 - 1.2	Ø 18.980
	1 - 1.5	TL 58.00
CD 29.80		
TL 53.80	1 - 3.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42202	R 42166	P 42202

REFERENCE NO.	REFERENCE NO.
FPY1-11-SA0	FSY1-11-SCO/DO/DX
	FSY2-11-SCO/DO/DX
	FSY1-11-SCOA/DOA/DXA
	FSY2-11-SCOA/DOA/DXA

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 11.00 mm

41

BP-III — **1839 cc** — 4 cyl.
MIATA 2001-2005

Ø 83.00	RINGS	PIN
+3.0	2 - 1.5	Ø 20.000
		TL 56.58
CD 30.70		
TL 64.00	1 - 3.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42208	R 42165	P 42165

REFERENCE NO.	REFERENCE NO.
BPZ3-11-SA0	BPY1-11-SCO/DO/DX
	BPY4-11-SCO/DO
	BPZ0-11-SCOA/B
	BPZ0-11-SDOA/B

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 15.00 mm

42

BP — **1839 cc** — 4 cyl.

Ø 83.00	RINGS	PIN
-2.5	2 - 1.5	Ø 19.985
		TL 61.00
CD 30.70		
TL 61.00	1 - 3.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42661	R 42165	P 42661

REFERENCE NO.	REFERENCE NO.
BPY0-11-SA0	BPY1-11-SCO/DO/DX
BPY0-11-SA0A	BPY4-11-SCO/DO
	BPZ0-11-SCOA/B
	BPZ0-11-SDOA/B

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 10.00 mm

43

L8 — **1798 cc** — 4 cyl.

Ø 83.00	RINGS	PIN
	2 - 1.2	Ø 21.000
		TL 59.00
CD 28.50		
TL 51.00	1 - 2.5	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42676	R 42676	P 45131

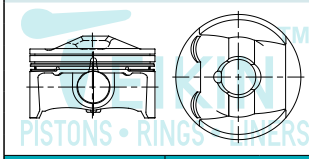
REFERENCE NO.	REFERENCE NO.
L8Y1-11-010	L8Y1-11-SCA
L8Y1-11-SAO	L8Y1-11-SCO
L8Y1-11-SAOA	L8Y1-11-SCOA

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 10.50 mm

44

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

SKYACTIV-G 1998 cc
MAZDA CX-5 — 4 cyl.



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 7.60 mm
1st Ring Anodized	

Ø	83.50	+8.3
CD	25.70	
TL	54.60	

RINGS	
2 - 1.0	
1 - 2.0	

PIN	
Ø	21.000
TL	45.00

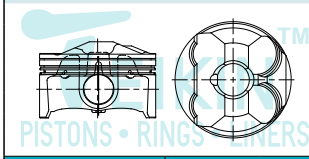


TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42220	R 42220	P 42220

REFERENCE NO.	REFERENCE NO.
PEY2-11-SA0A	PEY1-11-SC0

45

SKYACTIV-G-II 1998 cc
MAZDA3 2014-2015
VIN 7
DOHC 16V L4
CX-5 2013-16 — 4 cyl.



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 7.60 mm
1st Ring Anodized	

Ø	83.50	+8.4
CD	25.70	
TL	54.60	

RINGS	
2 - 1.0	
1 - 2.0	

PIN	
Ø	21.000
TL	45.00

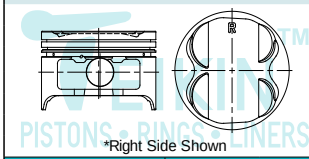


TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42225	R 42225	P 42220

REFERENCE NO.
PEY3-11-SA0A

46

KL 2496 cc
6 cyl.



*Right Side Shown

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Moly Skirt	MP: 13.00 mm

Ø	84.50	-1.7
CD	29.20	
TL	56.00	

RINGS	
2 - 1.5	
1 - 3.0	

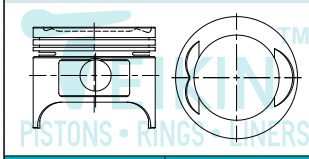
PIN	
Ø	19.990
TL	61.50

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42664	R 42664	P 42662

REFERENCE NO.	REFERENCE NO.
KLY1-11-SL0 (R)	KLY1-11-SCO/DO/DX
KLY1-11-SA0 (L)	KLY1-11-SCOA/DOA/DXA
	KLY2-11-SCO/DO/DX
	KLY2-11-SCOA/DOA/DXA

47

FE 2000 cc
TX-5
626, SL/SLX
1989-92 — 4 cyl.



Surface Treatment	Bore Clearance
None	MRC: 0.050 mm
	MP: 20.20 mm

Ø	86.00	-2.8
CD	33.96	
TL	71.00	

RINGS	
2 - 1.5	
1 - 4.0	

PIN	
Ø	21.980
TL	67.00

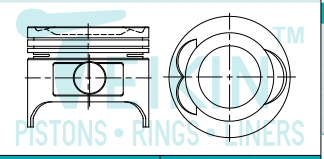
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42157	R 42157	P 42164

REFERENCE NO.	REFERENCE NO.
FE01-23-200	F2Y1-11-SC0/DO/DX
FE01-11-102	F2Y2-11-SCO
FE01-23-210	F801-23/130/0A/1A/2A
FE01-23-220	F8Y1-11-SCO/DO/DX

48

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET

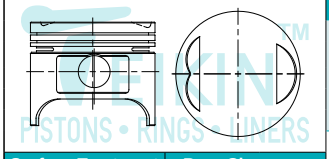
F2 — 2184 cc — 4 cyl.
626
1987-93
F.I., / CARB., SOHC
PICKUP



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 19.90 mm

PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 86.00 -5.4 CD 36.11 TL 70.90	2 - 1.5 1 - 4.0	Ø 21.980 TL 67.00		TL OD		158.8 90.0	TEIKIN NO. LKSX 42164
TEIKIN NO. 42164	TEIKIN NO. R 42157	TEIKIN NO. P 42164			TEIKIN NO. LSX 42164 Surface Treatment None		
REFERENCE NO. F2Y4-11-SAO	REFERENCE NO. F2Y1-11-SC0/DO/DX F2Y2-11-SCO F801-23/130/0A/1A/2A F8Y1-11-SCO/DO/DX				REFERENCE NO. F801-10-311		49

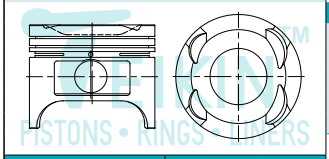
F8 — 1789 cc — 4 cyl.
1982



Surface Treatment	Bore Clearance
None	MRC: 0.050 mm MP: 20.20 mm

PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 86.00 -3.7 CD 33.96 TL 71.00	2 - 1.5 1 - 4.0	Ø 21.980 TL 67.00		TL OD		158.8 90.0	TEIKIN NO. LKSX 42168
TEIKIN NO. 42168	TEIKIN NO. R 42157	TEIKIN NO. P 42164			TEIKIN NO. LSX 42164 Surface Treatment None		
REFERENCE NO. F801-23-200 F801-11-102	REFERENCE NO. F2Y1-11-SC0/DO/DX F2Y2-11-SCO F801-23/130/0A/1A/2A F8Y1-11-SCO/DO/DX				REFERENCE NO. F801-10-311		50

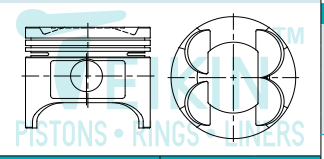
F2-II — 2200 cc — 4 cyl.
N 2200
626, 1988-92
F.I., SOHC, 16 V



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 19.90 mm

PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 86.00 -6.7 CD 36.50 TL 71.50	2 - 1.5 1 - 4.0	Ø 21.980 TL 67.00		TL OD		158.8 90.0	TEIKIN NO. LKSX 42192
TEIKIN NO. 42192	TEIKIN NO. R 42157	TEIKIN NO. P 42164			TEIKIN NO. LSX 42164 Surface Treatment None		
REFERENCE NO. F2Y2-11-SAO	REFERENCE NO. F2Y1-11-SC0/DO/DX F2Y2-11-SCO F801-23/130/0A/1A/2A F8Y1-11-SCO/DO/DX				REFERENCE NO. F801-10-311		51

FE-II — 1998 cc — 4 cyl.
626, 2.0 SL, SLX



Surface Treatment	Bore Clearance
None	MRC: 0.050 mm MP: 20.20 mm

PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 86.00 -0.5 CD 34.50 TL 70.90	2 - 1.5 1 - 4.0	Ø 21.980 TL 67.00					
TEIKIN NO. 42193	TEIKIN NO. R 42193	TEIKIN NO. P 42164					
REFERENCE NO. FEYC-11-SA0	REFERENCE NO.						52

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

FE-VII — 1998 cc — 4 cyl.

Ø 86.00	2 - 1.5	Ø 22.000
-1.6		TL 72.00
CD 36.50		
TL 71.40	1 - 4.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42206	R 42157	P 46199

REFERENCE NO.	REFERENCE NO.
FEYA-11-SAOC	F2Y1-11-SC0/DO/DX F2Y2-11-SCO F801-23/130/0A/1A/2A F8Y1-11-SCO/DO/DX

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 20.00 mm

53

FE-VIII — 2300 cc — 4 cyl.

Ø 86.00	2 - 1.5	Ø 21.980
-2.3		TL 67.00
CD 34.00		
TL 70.50	1 - 4.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42218	R 42157	P 42164

REFERENCE NO.	REFERENCE NO.
FEJK-11-SA0A	F2Y1-11-SC0/DO/DX F2Y2-11-SCO F801-23/130/0A/1A/2A F8Y1-11-SCO/DO/DX

Surface Treatment	Bore Clearance
None	MRC: 0.050 mm MP: 20.00 mm

54

FE-III — 1998 cc — 4 cyl.

Ø 86.00	2 - 1.5	Ø 22.000
+1.0		TL 72.00
CD 36.50		
TL 72.50	1 - 4.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42602 (42194)	R 42157	P 46199

REFERENCE NO.	REFERENCE NO.
FEYB-11-SAO	F2Y1-11-SC0/DO/DX F2Y2-11-SCO F801-23/130/0A/1A/2A F8Y1-11-SCO/DO/DX

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.00 mm

55

FE-IV — 1998 cc — 4 cyl.

626 Sli
1989-92

Ø 86.00	2 - 1.5	Ø 21.980
+1.8		TL 67.00
CD 33.90		
TL 72.80	1 - 4.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42603 (42195)	R 42157	P 42164

REFERENCE NO.	REFERENCE NO.
FEA7-23-200	F2Y1-11-SC0/DO/DX F2Y2-11-SCO F801-23/130/0A/1A/2A F8Y1-11-SCO/DO/DX

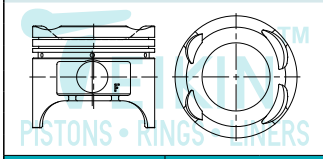
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.00 mm

56

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

F2T — 2184 cc — 4 cyl.

626 - MX-6
SOHC 16V



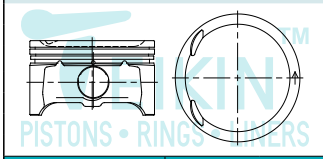
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 19.90 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 86.00	2 - 1.5	Ø 22.000		TL		158.8	TEIKIN NO.
-9.5		TL 67.00		OD		90.0	LKSX 42678
CD 36.50							
TL 71.50	1 - 4.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
42678	R 42157	P 44703		LSX 42164			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
F220-11-SAO	F2Y1-11-SC0/DO/DX F2Y2-11-SCO F801-23/130/0A/1A/2A F8Y1-11-SCO/DO/DX			F801-10-311			

57

L3 — 2300 cc — 4 cyl.

MAZDA3 2001-2006



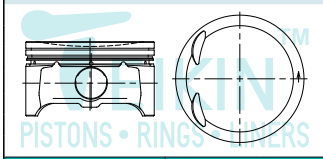
Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown	MRC: 0.030 mm MP: 10.00 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 87.50	2 - 1.2	Ø 21.000					
-4.0		TL 61.50					
CD 28.50							
TL 51.00	1 - 2.5						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.					
42205	R 42210	P 56104					
REFERENCE NO.	REFERENCE NO.						
L3Y5-11-010 L3Y9-11-010	L3Y1-11-SCA/O L3Y3-11-SCO LFY1-11-SCA/0 LFY5-11-SCO						

58

L3-II — 2300 cc — 4 cyl.

MAZDA6 2.3L



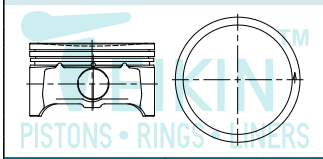
Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 10.00 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 87.50	2 - 1.2	Ø 21.000					
-3.3		TL 61.50					
CD 28.50							
TL 51.00	1 - 2.5						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.					
42209	R 42210	P 56104					
REFERENCE NO.	REFERENCE NO.						
L3Y7-11-010 L3Y2-11-010 L3Y2-11-SAO L3Y2-11-SAOA	L3Y1-11-SCA/O L3Y3-11-SCO LFY1-11-SCA/0 LFY5-11-SCO						

59

LF — 2000 cc — 4 cyl.

MAZDA3 2.0
MAZDA6 2.0



Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 10.00 mm

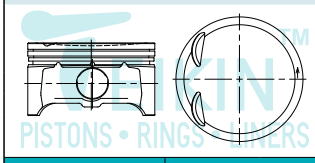
PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 87.50	2 - 1.2	Ø 21.000					
-2.0		TL 61.50					
CD 28.50							
TL 51.00	1 - 2.5						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.					
42210	R 42210	P 56104					
REFERENCE NO.	REFERENCE NO.						
LFY2-11-010	L3Y1-11-SCA/O L3Y3-11-SCO LFY1-11-SCA/0 LFY5-11-SCO						

60

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

LF-II
4 cyl.

Ø 87.50	2 - 1.2	Ø 21.000
-2.0		TL 61.50
CD 28.50		
TL 51.00	1 - 2.5	



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42216	R 42210	P 56104

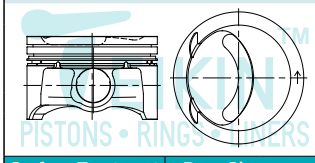
REFERENCE NO.	REFERENCE NO.
LFY5-11-010	L3Y1-11-SCA/O L3Y3-11-SCO LFY1-11-SCA/0 LFY5-11-SCO

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 10.00 mm
1st Ring Anodized	

61

MZR 2.3L 2261 cc
MAZDA CX-7 2009
4 cyl.

Ø 87.50	2 - 1.5	Ø 22.500
-4.5		TL 65.00
CD 32.50		
TL 55.00	1 - 2.0	



TEIKIN NO.	TEIKIN NO.
42221	P 42221

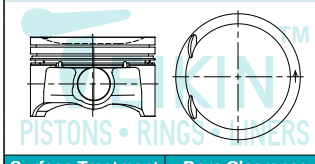
REFERENCE NO.
L3Y4-11-SA0

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 11.50 mm
1st Ring Anodized	

62

L3-III 2261 cc
MAZDA CX-7 2006
MAZDA3
4 cyl.

Ø 87.50	2 - 1.5	Ø 22.500
-5.5		TL 65.00
CD 32.50		
TL 55.00	1 - 2.0	



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42222	R 42222	P 42221

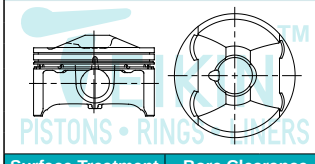
REFERENCE NO.	REFERENCE NO.
L3Y0-11-SA0	L3Y4-11-SC0

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 11.50 mm
1st Ring Anodized	

63

SKYACTIV-G 2.5L 2488 cc
4 cyl.

Ø 89.00	2 - 1.0	Ø 21.000
+8.8		TL 49.50
CD 25.80		
TL 58.00	1 - 2.0	



TEIKIN NO.	TEIKIN NO.
42223	P 42223

REFERENCE NO.
PYY1-11-SAO

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 9.70 mm
1st Ring Anodized	

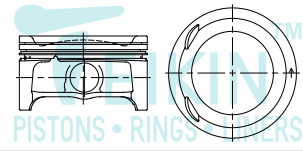
64

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

L5-VE — 2488 cc — 4 cyl.

3 ~ 6 ~ CX-7
(07-)
DOHC 16V

PISTON SET	RINGS	PIN
Ø 89.00	2 - 1.2	Ø 20.000
-6.8		TL 55.00
CD 28.40		
TL 50.60	1 - 2.5	
TEIKIN NO. 42680	TEIKIN NO. R 42680	TEIKIN NO. P 42108
REFERENCE NO. L5Y3-11-SAO	REFERENCE NO. L5Y3-11-SCO	



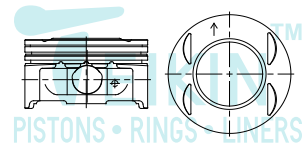
Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 10.00 mm

65

AJ — 2967 cc — 6 cyl.

3.0L
DOHC 24V
MPV 02-05
TRIBUTE 01-05
ESCAPE 01-09 (FALDA GRAFITADA)

PISTON SET	RINGS	PIN
Ø 89.00	1 - 1.2	Ø 21.012
+1.0	1 - 1.5	TL 60.50
CD 30.00		
TL 52.60	1 - 2.5	
TEIKIN NO. 42207		TEIKIN NO. P 42207
REFERENCE NO. AJ0311100A ZZTT11100 AJTM11100 6E5Z-6100-BA		



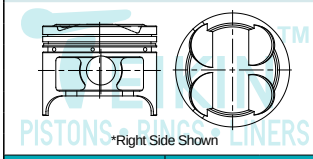
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

66

JE-48 / JE-27 — 2954 cc — 6 cyl.

929. 24 V
1992-96
F.I., DOHC V6

PISTON SET	RINGS	PIN
Ø 90.00	2 - 1.5	Ø 22.980
+1.3		TL 63.00
CD 35.11		
TL 71.90	1 - 4.0	
TEIKIN NO. 42169		TEIKIN NO. P 42163
REFERENCE NO. JE27-11-SAO JEY8-11-SA0 JEY9-11-SL0		

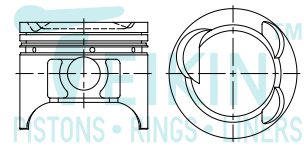


Surface Treatment	Bore Clearance
Tin Coated Moly Skirt	MRC: 0.020 mm MP: 17.30 mm

67

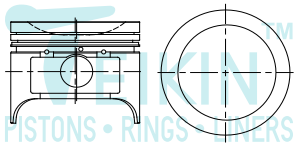
JE — 2954 cc — 6 cyl.

PISTON SET	RINGS	PIN
Ø 90.00	2 - 1.5	Ø 23.000
-3.6		TL 77.00
CD 35.50		
TL 74.00	1 - 4.0	
TEIKIN NO. 42655	TEIKIN NO. R 42655	TEIKIN NO. P 42655
REFERENCE NO. JEY6-11-SA0 JEY6-11-SA0B	REFERENCE NO. JEY0-11-SCO/DO/DX JEY1-11-SCO/DO/DX	



Surface Treatment	Bore Clearance
Tin Coated Moly Skirt	MRC: 0.030 mm MP: 10.00 mm

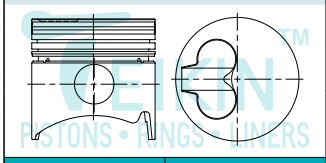
68

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
G6 **2606 cc** 1989-94 **4 cyl.** F.I., SOHC 4, 12 VALVE B2600i, MPV	**Ø 92.00** -9.6 CD 36.55 TL 74.50	2 - 1.5 1 - 4.0	Ø 22.980 TL 63.00					
	**TEIKIN NO.** **42163**	**TEIKIN NO.** **R 42163**	**TEIKIN NO.** **P 42163**					
Surface Treatment Tin Coated	**Bore Clearance** MRC: 0.020 mm MP: 20.25 mm	**REFERENCE NO.** G602-11-SAO	**REFERENCE NO.** G601-11-SCOA G612-11-SCO G612-11-SDO G612-11-SDX					69

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

PN — 1720 cc — 4 cyl.

Ø 78.00	1 - 2.0	Ø 25.000		TL 157.0	155.0	TEIKIN NO.
-2.6	1 - 1.5	TL 64.00		OD 82.0	82.0	LKSF 42601
CD 41.30				FT 2.0		LKSX 42601
TL 76.10	1 - 3.0			FD 86.0		



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42601 (42175)	R 42601	P 42601	B 42601	LSF 42601 LSX 42601
				Surface Treatment: None
REFERENCE NO. PN20-11-SBX PN20-11-SAO PN11-11-SAOB	REFERENCE NO. PN11-11-SCO PNY2-11-SCO PNY2-11-SCOA		REFERENCE NO. PN11-11-213	REFERENCE NO. PN11-11-311

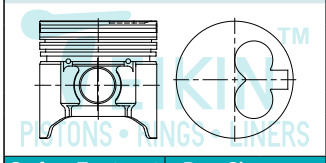
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 15.00 mm

70

R2 — 2184 cc — 4 cyl.

KIA BESTA 2.2L
NB1, B2200

Ø 86.00	2 - 2.0	Ø 25.000		TL 165.0	165.0	TEIKIN NO.
-1.5		TL 68.00		OD 89.0	90.0	LKFF 42167
CD 47.25				FT 4.0		LKSF 42167
TL 86.35	1 - 4.0			FD 94.0		LKSX 42167
						LKFF 42167A
						LKSF 42167A
						LKSX 42167A



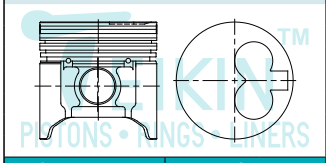
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42167 42167A	R 42167	P 42167	B 42167	LFF 42167 LSF 42167 LSX 42167
				Surface Treatment: None
REFERENCE NO. RF01-23-200 K7YO-11-SAO RF01-23-200B	REFERENCE NO. R201-23-130A R201-23-130B		REFERENCE NO. RF01-11-213	REFERENCE NO. R201-23-051 RF01-10-311

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.00 mm

71

R2 LATE — 2184 cc — 4 cyl.

Ø 86.00	2 - 2.0	Ø 25.000		TL 163.0	163.0	TEIKIN NO.
-1.7		TL 68.00		OD 89.0	90.0	LKFF 42611
CD 47.10				FT 2.8		LKSF 42611
TL 86.10	1 - 3.0			FD 94.0		LKSX 42611
						LKFF 42611AG
						LKSF 42611AG
						LKSX 42611AG



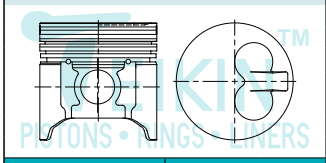
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42611 42611AG	R 42611	P 42167	B 42167	LFF 42610 LSF 42610 LSX 42610
				Surface Treatment: None
REFERENCE NO. R2Y0-11-SA0	REFERENCE NO. R2B6-11-SCO RF2A-11-SCO RFY5-11-SCOA/DOA RFY5-11-SXOA		REFERENCE NO. RF01-11-213	REFERENCE NO. R2B6-10-311 R2B6-10-313

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.50 mm

72

RF — 1998 cc — 4 cyl.

Ø 86.00	1 - 2.0 HK	Ø 30.000		TL 163.0	163.0	TEIKIN NO.
-3.4	1 - 2.0	TL 68.00		OD 89.0	90.0	LKFF 42610AG
CD 47.20				FT 2.8		LKSF 42610AG
TL 86.20	1 - 3.0			FD 94.0		LKSX 42610AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42610AG	R 42610	P 42671	B 42610	LFF 42610 LSF 42610 LSX 42610
				Surface Treatment: None
REFERENCE NO. RFY4-11-SA0A RFY2-11-SC0	REFERENCE NO. RFY2-11-SCO RFYO-11-SCO		REFERENCE NO. RF5C-11-123 RF71-11-213 RF71-11-213A	REFERENCE NO. R2B6-10-311 R2B6-10-313

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 20.00 mm

73

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

RF-II — 1998 cc — 4 cyl.

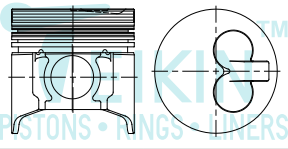
Ø 86.00	-1.1	CD 47.30	TL 86.30

2 - 2.0
1 - 4.0

Ø 30.000
TL 68.00

	LINER: FLANGED	LINER: NO FLANGE
TL	165.0	165.0
OD	89.0	90.0
FT	4.0	
FD	94.0	

TEIKIN NO.
LKFF 42671A
LKSF 42671A
LKSX 42671A



TEIKIN NO. (PISTON)	TEIKIN NO. (RINGS)	TEIKIN NO. (PIN)	TEIKIN NO. (BUSHING)	TEIKIN NO. (LINER)
42671A	**R 42167**	**P 42671**	**B 42610**	**LFF 42167** **LSF 42167** **LSX 42167**

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 15.00 mm

REFERENCE NO. (PISTON)	REFERENCE NO. (RINGS)	REFERENCE NO. (BUSHING)	REFERENCE NO. (LINER)
RFY0-11-SA0 RFY0-11-SA0A	R201-23-130A R201-23-130B	RF5C-11-123 RF71-11-213 RF71-11-213A	R201-23-051 RF01-10-311

74

R2 NEW — 2184 cc — 4 cyl.

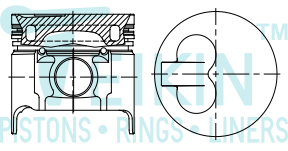
Ø 86.00	-2.1	CD 43.20	TL 82.20

2 - 2.0
1 - 3.0

Ø 25.000
TL 64.00

	LINER: FLANGED	LINER: NO FLANGE
TL	163.0	163.0
OD	89.0	90.0
FT	2.8	
FD	94.0	

TEIKIN NO.
LKFF 42674AG
LKSF 42674AG
LKSX 42674AG



TEIKIN NO. (PISTON)	TEIKIN NO. (RINGS)	TEIKIN NO. (PIN)	TEIKIN NO. (BUSHING)	TEIKIN NO. (LINER)
42674AG	**R 42611**	**P 42601**	**B 42167**	**LFF 42610** **LSF 42610** **LSX 42610**

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 21.40 mm

REFERENCE NO. (PISTON)	REFERENCE NO. (RINGS)	REFERENCE NO. (BUSHING)	REFERENCE NO. (LINER)
R2Y3-11-SA0B	R2B6-11-SCO RF2A-11-SCO RFY5-11-SCOA/DOA RFY5-11-SXOA	RF01-11-213	R2B6-10-311 R2B6-10-313

75

RF7 — 1998 cc — 4 cyl.

16V
2002

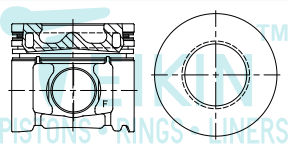
Ø 86.00	-13.7	CD 46.80	TL 75.80

2 - 2.0
1 - 3.0

Ø 30.000
TL 68.00

	LINER: FLANGED	LINER: NO FLANGE
TL	163.0	163.0
OD	89.0	90.0
FT	2.8	
FD	94.0	

TEIKIN NO.
LKFF 42675AG
LKSF 42675AG
LKSX 42675AG



TEIKIN NO. (PISTON)	TEIKIN NO. (RINGS)	TEIKIN NO. (PIN)	TEIKIN NO. (BUSHING)	TEIKIN NO. (LINER)
42675AG	**R 42611**	**P 42671**	**B 42610**	**LFF 42610** **LSF 42610** **LSX 42610**

Surface Treatment: None

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.040 mm MP: 7.50 mm

REFERENCE NO. (PISTON)	REFERENCE NO. (RINGS)	REFERENCE NO. (BUSHING)	REFERENCE NO. (LINER)
RFY7-11-SAOA/B REY7-11-SBOA RFY7-11-SBOB RFY7-11-SBXA/B	R2B6-11-SCO RF2A-11-SCO RFY5-11-SCOA/DOA RFY5-11-SXOA	RF5C-11-123 RF71-11-213 RF71-11-213A	R2B6-10-311 R2B6-10-313

76

S2 — 2209 cc — 4 cyl.

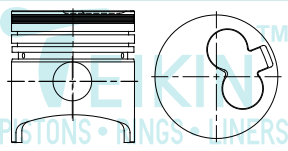
Ø 88.90	-1.7	CD 50.70	TL 94.70

2 - 2.4
1 - 4.75

Ø 28.000
TL 73.50

	LINER: FLANGED	LINER: NO FLANGE
TL	167.5	
OD	96.9	
FT	3.8 + 1.0	
FD	101.0	

TEIKIN NO.
LKFF 42174
LKSF 42174
LKFF 42174A
LKSF 42174A



TEIKIN NO. (PISTON)	TEIKIN NO. (RINGS)	TEIKIN NO. (PIN)	TEIKIN NO. (BUSHING)	TEIKIN NO. (LINER)
42174 **42174A** **(42604)**	**R 42174**	**P 42174**	**B 42174**	**LFF 42174** **LSF 42174**

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 25.00 mm

REFERENCE NO. (PISTON)	REFERENCE NO. (RINGS)	REFERENCE NO. (BUSHING)	REFERENCE NO. (LINER)
1456-23-200A 1456-23-200 8259-23-200C	1456-23-206	0911-11-213 1456-11-213 S213-11-213	1456-23-051

77

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

XA — 2522 cc — 4 cyl.

Ø	88.90	3 - 2.4	Ø	31.750		TL	191.0	TEIKIN NO.
			TL	75.00		OD	96.9	LKFF 42605
CD	60.60					FT	3.8 + 0.8	LKSF 42605
TL	116.00	2 - 4.8				FD	101.0	
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
42605 (42178)		R 42605	P 42149		B 42149	LFF 42605 LSF 42605		
						Surface Treatment: None		
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.	REFERENCE NO.		
0559-99-111		0559-23-206			0636-11-213	0636-10-311		
0559-23-200		0559-23-207				S501-23-051		
0636-23-200		0636-23-206/7						
0750-23-200		0636-23-210						

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 23.00 mm

78

S5 — 2522 cc — 4 cyl.

Ø	88.90	2 - 2.4	Ø	28.000		TL	191.0	TEIKIN NO.
	-1.9		TL	73.50		OD	96.9	LKFF 42606
CD	60.40					FT	3.8 + 0.8	LKSF 42606
TL	103.40	1 - 4.75				FD	101.0	
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
42606		R 42174	P 42174		B 42606	LFF 42605 LSF 42605		
						Surface Treatment: None		
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.	REFERENCE NO.		
S501-23-200		1456-23-206			S501-11-213	0636-10-311		
S501-99-111						S501-23-051		

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 23.50 mm

79

XA-II — 2522 cc — 4 cyl.

Ø	88.90	2 - 2.4	Ø	28.000		TL	191.0	TEIKIN NO.
			TL	73.50		OD	96.9	LKFF 42659
CD	60.30					FT	3.8 + 0.8	LKSF 42659
TL	103.30	1 - 4.75				FD	101.0	
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
42659		R 42174	P 42174		B 42606	LFF 42605 LSF 42605		
						Surface Treatment: None		
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.	REFERENCE NO.		
0911-99-111B		1456-23-206			S501-11-213	0636-10-311		
						S501-23-051		

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 23.00 mm

80

XB — 2700 cc — 4 cyl.

E-2700
1969-80

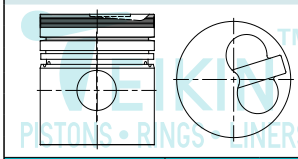
Ø	92.00	3 - 2.4	Ø	31.750		TL	191.0	TEIKIN NO.
			TL	75.00		OD	96.9	LKFF 42150
CD	60.18					FT	3.8 + 0.8	LKSF 42150
TL	115.65	2 - 4.8				FD	101.0	
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
42150		R 42150	P 42149		B 42149	LFF 42150 LSF 42150		
						Surface Treatment: None		
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.	REFERENCE NO.		
0528-23-200		0527-23-206			0636-11-213	0528-10-311		
		0528-23-206				0527-23-051		
						0552-10-311		

Surface Treatment	Bore Clearance
None	MRC: 0.070 mm MP: 31.25 mm

81

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

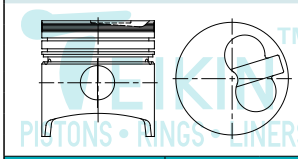
SS K2700 — 2700 cc — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.60 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 92.00 -5.1 CD 60.30 TL 103.30	1 - 2.85 FK 1 - 2.4 1 - 4.0	Ø 31.750 TL 75.00		TL 192.0 OD 96.9 FT 3.84 + 0.7 FD 101.0			**TEIKIN NO.** **LKFF 42198** **LKSF 42198** **LKFF 42198A** **LKSF 42198A**
TEIKIN NO. **42198** **42198A**	**TEIKIN NO.** **R 42198**	**TEIKIN NO.** **P 42149**	**TEIKIN NO.** **B 42198**	**TEIKIN NO.** **LFF 42198** **LSF 42198** **Surface Treatment** None			
REFERENCE NO. K4Z0-11-SAO K480-11-102	**REFERENCE NO.** K4Z0-11-SCO K480-23-206		**REFERENCE NO.**	**REFERENCE NO.** K800-10-311A			82

SF K2400 — 2400 cc — 4 cyl.

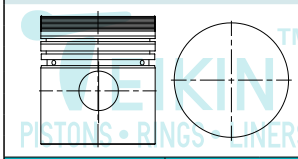


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 24.75 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 92.00 -4.6 CD 50.60 TL 94.60	2 - 2.4 1 - 4.0	Ø 28.000 TL 74.80		TL 165.0 OD 96.9 FT 3.86 + 0.8 FD 100.9			**TEIKIN NO.** **LKFF 42658** **LKSF 42658** **LKFF 42658A** **LKSF 42658A**
TEIKIN NO. **42658** **42658A**	**TEIKIN NO.** **R 42658**	**TEIKIN NO.** **P 32127**	**TEIKIN NO.** **B 42658**	**TEIKIN NO.** **LFF 42658** **LSF 42658** **Surface Treatment** None			
REFERENCE NO. K7Z0-11-SAO K768-11-102	**REFERENCE NO.** K756-23-206 K7Z0-11-SCO 0K7Z0-11-SCO/D/X 0K7Z0-11-SCY/Z		**REFERENCE NO.**	**REFERENCE NO.** 1456-10-311/B K456-10-311 K756-10-311 OK756-10-311/A			83

ZB — 4052 cc — 6 cyl.

T-4100
1980-ON

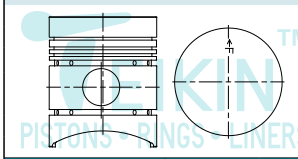


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.60 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 92.00 CD 60.30 TL 103.30	2 - 2.4 1 - 4.8	Ø 31.750 TL 75.00		TL 191.0 OD 96.9 FT 3.8 + 0.8 FD 101.0			**TEIKIN NO.** **LKFF 42179** **LKSF 42179** **LKFF 42179A** **LKSF 42179A**
TEIKIN NO. **42179** **42179A**	**TEIKIN NO.** **R 42179**	**TEIKIN NO.** **P 42149**	**TEIKIN NO.** **B 42179**	**TEIKIN NO.** **LFF 42179** **LSF 42179** **Surface Treatment** None			
REFERENCE NO. V101-23-200	**REFERENCE NO.** V101-23-206		**REFERENCE NO.** 0636-11-213	**REFERENCE NO.** 0528-10-311 V101-23-051			84

ZB OLD — 4050 cc — 6 cyl.

1972-80



Surface Treatment	Bore Clearance
None	MRC: 0.070 mm MP: 31.25 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 92.00 CD 60.17 TL 115.65	3 - 2.4 2 - 4.8	Ø 31.750 TL 75.00		TL 191.0 OD 96.9 FT 3.8 + 0.8 FD 101.0			**TEIKIN NO.** **LKFF 42150-6** **LKSF 42150-6**
TEIKIN NO. **42150-6**	**TEIKIN NO.** **R 42150-6**	**TEIKIN NO.** **P 42149**	**TEIKIN NO.** **B 42179**	**TEIKIN NO.** **LFF 42179** **LSF 42179** **Surface Treatment** None			
REFERENCE NO. 0528-23-200	**REFERENCE NO.** 0784-23-206 0785-23-206		**REFERENCE NO.** 0636-11-213	**REFERENCE NO.** 0528-10-311 V101-23-051			85

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

WL-T 2499 cc — 4 cyl.

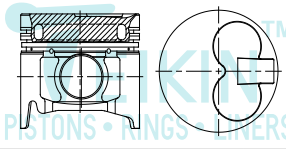
Ø	93.00 / -3.0
CD	47.80
TL	87.30

1 - 2.5
1 - 2.0
1 - 3.0

Ø	32.000
TL	70.00

TL	167.5
OD	96.8
FT	2.5 + 0.5
FD	102.5

TEIKIN NO.
LKFF 42185
LKSF 42185
LKFF 42185A
LKSF 42185A
LKFF 42185AG
LKSF 42185AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42185 42185A 42185AG	R 42185	P 42185	B 42185	LFF 42185* LSF 42185

Surface Treatment: *Phosphate (PH)

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.00 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
WLY8-11-SAOB WLY1-11-SAOA W5Y8-11-SAOD	WLY1-11-SCO	WL01-11-213	WL01-10-311 WL01-23-051 WLY3-23-051

86

WL 2500 cc — 4 cyl.

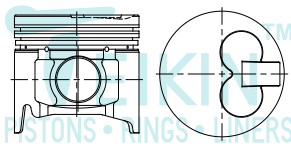
Ø	93.00 / -3.0
CD	47.80
TL	87.30

1 - 2.5
1 - 2.0
1 - 3.0

Ø	32.000
TL	70.00

TL	167.5
OD	96.8
FT	2.5 + 0.5
FD	102.5

TEIKIN NO.
LKFF 42186
LKSF 42186
LKFF 42186A
LKSF 42186A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42186 42186A	R 42185	P 42185	B 42185	LFF 42185* LSF 42185

Surface Treatment: *Phosphate (PH)

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.00 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
WLY3-11-SAOC WLY5-11-SAOB	WLY1-11-SCO	WL01-11-213	WL01-10-311 WL01-23-051 WLY3-23-051

87

MZ-DE 2499 cc — 4 cyl.
BT-50 2500 cc

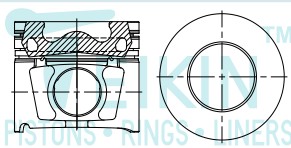
Ø	93.00 / -15.1
CD	51.80
TL	81.30

1 - 2.0
1 - 1.5
1 - 2.0

Ø	34.000
TL	70.00

TL	167.5
OD	96.8
FT	2.5 + 0.5
FD	102.5

TEIKIN NO.
LKFF 42212AG
LKSF 42212AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42212AG	R 42212	P 42212	B 42213	LFF 42185* LSF 42185

Surface Treatment: *Phosphate (PH)

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.050 mm MP: 6.00 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
WLYE-11-SAO WLYE-11-SBO WLYE-11-SBX	WLY6-11-SC0 WLY6-11-SD0 WLY6-11-SDX	WE01-11-213 WE01-11-213A	WL01-10-311 WL01-23-051 WLY3-23-051

88

JS K2700 2700 cc — 4 cyl.
FRONTIER
PREGIO 2.7

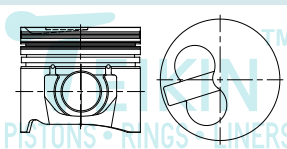
Ø	94.50 / -3.4
CD	50.00
TL	81.70

2 - 2.0
1 - 3.0

Ø	30.000
TL	75.00

TL	166.0
OD	97.5
FT	3.8 + 0.5
FD	104.2

TEIKIN NO.
LKFF 42657
LKSF 42657
LKFF 42657A
LKSF 42657A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42657 42657A	R 42657	P 52650	B 42657	LFF 42657* LSF 42657

Surface Treatment: *Phosphate (PH)

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 10.00 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
K6Z1-11-SAO	K6Z1-11-SCO K6Z1-46-SCO OK6Z1-11-SCO	OSE01-11-213	K65A-10-311 OK65-10-311 OK65B-10-311

89

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

HA — 2977 cc — 4 cyl.

E-3000
1981

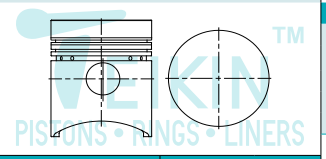
Ø	95.00
CD	58.42
TL	115.50

	2 - 2.4
	1 - 4.8

Ø	31.750
TL	75.00

TL	190.0
OD	98.5
FT	3.8 + 0.8
FD	103.4

TEIKIN NO.
LKFF 42149
LKSF 42149
LKFF 42149A
LKSF 42149A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42149 42149A	R 42149	P 42149	B 42149	LFF 42149 LSF 42149

Surface Treatment
None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm MP: 28.30 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
0933-23-200 1363-23-200	1363-23-206 SE01-23-130 SE01-23-206		0636-11-213	1363-23-051 1363-23-051A SE01-23-051

90

HA-II — 2977 cc — 4 cyl.

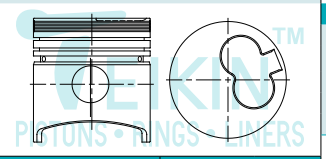
Ø	95.00
	-2.0
CD	53.70
TL	100.70

	2 - 2.4
	1 - 4.75

Ø	30.000
TL	79.00

TL	190.0
OD	98.5
FT	3.8 + 0.8
FD	103.4

TEIKIN NO.
LKFF 42609
LKSF 42609



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42609 (42189)	R 42149	P 42609	B 42609	LFF 42149 LSF 42149

Surface Treatment
None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 39.50 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
SE01-23-200A	1363-23-206 SE01-23-130 SE01-23-206		SE01-11-213	1363-23-051 1363-23-051A SE01-23-051

91

W9 — 2900 cc — 4 cyl.

B2900

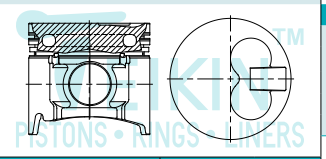
Ø	95.00
	-3.1
CD	47.80
TL	87.30

	1 - 2.5
	1 - 2.0
	1 - 3.0

Ø	32.000
TL	70.00

TL	190.0
OD	98.5
FT	3.8 + 0.8
FD	103.4

TEIKIN NO.
LKFF 42215AG
LKSF 42215AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42215AG	R 42215	P 42185	B 42215	LFF 42149 LSF 42149

Surface Treatment
None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.50 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
W9Y1-11-SA0B	W9Y1-11-SCO			1363-23-051 1363-23-051A SE01-23-051

92

MZR-CD — 3000 cc — 4 cyl.

BT-50 3000 cc

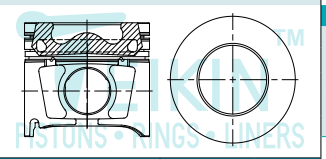
Ø	96.00
	-16.2
CD	51.70
TL	86.20

	1 - 2.0
	1 - 1.5
	1 - 2.0

Ø	34.000
TL	70.00

TL	170.5
OD	99.5
FT	3.8
FD	105.5

TEIKIN NO.
LKFF 42213AG
LKSF 42213AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42213AG	R 42213	P 42212	B 42213	LFF 42213 LSF 42213

Surface Treatment
None

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.050 mm MP: 11.00 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
WEY1-11-SAO	WEY1-11-SCO		WE01-11-213 WE01-11-213A	

93

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

SL — 3455 cc — 4 cyl.

T-3500T
KIA SH, K3600

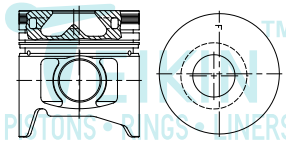
Ø	100.00	-21.3
CD	58.00	
TL	105.00	

1 - 2.5
1 - 2.0
1 - 4.5

Ø 34.000
TL 82.00

TL	193.5
OD	103.5
FT	2.5 + 0.8
FD	108.0

TEIKIN NO.
LKFF 42107
LKSF 42107
LKFF 42107G
LKSF 42107G



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42107 42107G	R 42107	P 42107	B 42107	LFF 42107* LSF 42107
				Surface Treatment: *Phosphate (PH)
REFERENCE NO. SL07-23-200 SL07-23-200B SL01-23-200A	REFERENCE NO. SL07-23-206 SL07-23-206A		REFERENCE NO. SL01-11-213	REFERENCE NO. SL01-23-311 SL01-23-312 SL07-23-051

Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.050 mm MP: 20.40 mm

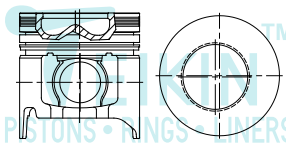
94

SL-III — 4 cyl.

Ø	100.00	-18.6
CD	57.80	
TL	104.60	

1 - 2.5 HK
1 - 2.0
1 - 4.5

Ø 34.000
TL 82.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42201 42201A (42666)		P 42107
REFERENCE NO.		

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 21.00 mm

95

SL-T — 3455 cc — 4 cyl.

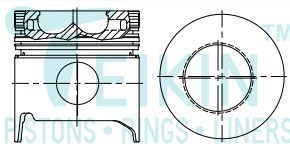
Ø	100.00	-18.6
CD	58.20	
TL	105.20	

1 - 2.5
1 - 2.0
1 - 4.5

Ø 34.000
TL 82.00

TL	193.5
OD	103.5
FT	2.5 + 0.8
FD	108.0

TEIKIN NO.
LKFF 42613AG
LKSF 42613AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42613AG (42190)	R 42613	P 42107	B 42107	LFF 42107* LSF 42107
				Surface Treatment: *Phosphate (PH)
REFERENCE NO. SL50-11-SAO	REFERENCE NO. SL50-11-SCO		REFERENCE NO. SL01-11-213	REFERENCE NO. SL01-23-311 SL01-23-312 SL07-23-051

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 23.50 mm

96

TF — 4021 cc — 4 cyl.

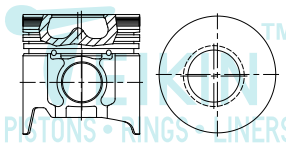
Ø	105.50	-21.7
CD	61.30	
TL	108.30	

1 - 2.5 HK
1 - 2.0
1 - 4.5

Ø 35.000
TL 87.50

TL	200.0
OD	109.0
FT	6.0 + 1.0
FD	114.5

TEIKIN NO.
LKFF 42183
LKSF 42183
LKFF 42183A
LKSF 42183A



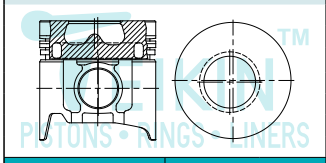
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
42183 42183A	R 42184	P 39149	B 42184	LFF 42183* LSF 42183
				Surface Treatment: *Phosphate (PH)
REFERENCE NO. TF01-11-SA0	REFERENCE NO. TF01-11-SCO		REFERENCE NO. TF01-11-213	REFERENCE NO. TFY0-10-311 TFY0-10-311A TFY0-10-311B FY0-10-313

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 20.00 mm

97

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

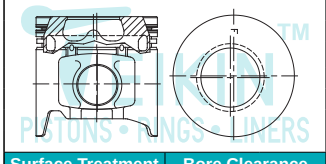
TF-II 4021 cc
T4000 — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 20.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 105.50 -21.8 CD 61.30 TL 108.30	1 - 2.5 HK 1 - 2.0 1 - 4.5	Ø 35.000 TL 87.50		TL 200.0 OD 109.0 FT 6.0 + 1.0 FD 114.5			TEIKIN NO. LKFF 42184AG LKSF 42184AG
TEIKIN NO. 42184AG	TEIKIN NO. R 42184	TEIKIN NO. P 39149	TEIKIN NO. B 42184		TEIKIN NO. LFF 42183* LSF 42183		
					Surface Treatment *Phosphate (PH)		
REFERENCE NO. TF20-11-SAO	REFERENCE NO. TF01-11-SCO		REFERENCE NO. TF01-11-213		REFERENCE NO. TFY0-10-311 TFY0-10-311A TFY0-10-311B FY0-10-313		98

TM 4553 cc
4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 19.50 mm

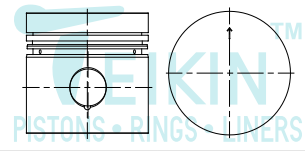
PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 109.00 -20.9 CD 61.30 TL 107.30	1 - 3.0 HK 1 - 2.0 1 - 3.0	Ø 35.000 TL 79.00		TL 202.0 OD 112.5 FT 6.0 + 1.0 FD 118.0			TEIKIN NO. LKFF 42663AG LKSF 42663AG
TEIKIN NO. 42663AG	TEIKIN NO. R 42663	TEIKIN NO. P 42663	TEIKIN NO. B 42184		TEIKIN NO. LFF 42663* LSF 42663		
					Surface Treatment *Phosphate (PH)		
REFERENCE NO. TMY0-11-200 TMYO-11-SAO	REFERENCE NO. TMYO-11-SCO		REFERENCE NO. TF01-11-213		REFERENCE NO. TMY0-10-313 TMY0-10-311		99

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	LINER NO FLANGE	LINER KIT SET

M115.923 — 1988 cc — 4 cyl.

200 1968-77

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 87.00	1 - 1.75	Ø 26.000				
	1 - 2.5	TL 71.00				
CD 52.40						
TL 84.60	1 - 4.0					
TEIKIN NO. 29120		TEIKIN NO. P 44210				
REFERENCE NO. KS : 91 430 610						

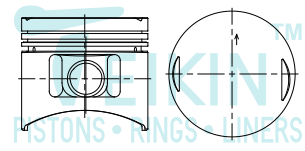


Surface Treatment	Bore Clearance
Chromated	MRC: 0.030 mm MP: 9.50 mm

1

M102 E20/V20 — 1997 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 89.00	1 - 1.75	Ø 22.000				
	1 - 2.0	TL 56.00				
CD 43.20						
TL 79.70	1 - 3.5					
TEIKIN NO. 29601	TEIKIN NO. R 29601	TEIKIN NO. P 34101				
REFERENCE NO. KS: 93 673 700 MAHLE: 002 17 20	REFERENCE NO. KS: 800017741000 MAHLE: 002 15 N0 G-0817950000					



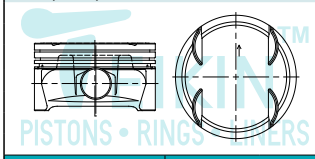
Surface Treatment	Bore Clearance
Chromated	MRC: 0.030 mm MP: 15.00 mm

2

M272 — 3498 cc — 6 cyl.

C-Class (2001-2015), CLC-Class (2008-2011), CLK (2002-2010), CLS (2004-2011), E-Class (2002-2016), GL-Class (2006-2012), GLK-Class (2008-2015), M-Class (2005-2012), R-Class (2005-2017), S-Class (2005-2013), SL (2001-2012), Sprinter (2006-), Viano (2003-), Vito / Mixto (2003-)

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 92.90	1 - 1.5	Ø 22.000				
-1.7	1 - 1.75	TL 52.00				
CD 30.40						
TL 50.80	1 - 2.5					
TEIKIN NO. 29605	TEIKIN NO. R 29605	TEIKIN NO. P 55106				
REFERENCE NO. 272 030 16 18 272 030 22 17 272 030 43 17 272 030 89 17 272 030 97 17	REFERENCE NO. 272 037 01 16 272 037 01 17 272 037 09 16 272 037 09 17					



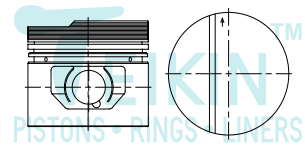
Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.050 mm MP: 4.00 mm

3

M115.952 / 955 — 2307 cc — 4 cyl.

230
M115.970 - 974
COMPRESSION 8:1

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 93.75	1 - 1.8	Ø 26.000				
-4.4	1 - 2.5	TL 73.00				
CD 51.80						
TL 82.00	1 - 4.0					
TEIKIN NO. 29116		TEIKIN NO. P 29116				
REFERENCE NO.						



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.015 mm MP: 7.00 mm

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

M115.951 / 954 — **2307 cc** — 4 cyl.
230
M115.958 / -000
COMPRESSION 9:1

Ø	93.75	-1.0
CD	51.75	
TL	81.95	

1 - 1.8
1 - 2.5
1 - 4.0

Ø 26.000
TL 73.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
29117	R 29117	P 29116

REFERENCE NO.	REFERENCE NO.
KS : 92 931 600	KS: 800018741000 MAHLE: 002 60 V0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.015 mm MP: 7.00 mm

5

M102.945 — **2299 cc** — 4 cyl.
2.3 SERIES 210, 310
1982-95

Ø	95.50	-1.9
CD	43.30	
TL	76.30	

1 - 1.75
1 - 2.0
1 - 3.5

Ø 22.000
TL 56.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
29119	R 29119	P 34101

REFERENCE NO.	REFERENCE NO.
KS : 93 968 610	KS: 800018940000 MAHLE: 002 77N0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.50 mm

6

M102.980 — **2299 cc** — 4 cyl.
230 E 1980-85

Ø	95.50	-1.9
CD	43.30	
TL	83.20	

1 - 1.75
1 - 2.0
1 - 3.5

Ø 24.000
TL 61.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
29121	R 29119	P 46300

REFERENCE NO.	REFERENCE NO.
KS : 93 495 600	KS: 800018940000 MAHLE: 002 77N0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.50 mm

7

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

OM 601 — 1997 cc — 4 cyl.

OM 602
OM 603

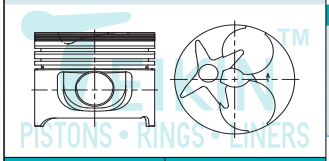
Ø	87.00	-9.0
CD	44.85	
TL	74.85	

1 - 2.5
1 - 2.0
1 - 3.0

Ø 26.000
TL 55.00

TL	148.6
OD	90.0
FT	4.7
FD	92.6

TEIKIN NO.: LKSF 29603A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
29603A	R 29603	P 29603	LSF 29603

Surface Treatment: None

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 10.00 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
KS : 94 330 600 MAHLE: 002 93 00	KS: 800017311000 MAHLE: 002 93 N0	KS : 89 193 190 MAHLE: 001 WV 09

8

OM 661 — 2299 cc — 4 cyl.

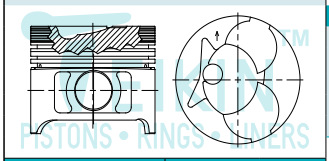
Ø	89.00	-8.9
CD	44.60	
TL	74.60	

1 - 2.5
1 - 2.0
1 - 3.0

Ø 26.000
TL 62.00

TL	156.5
OD	91.5
FT	4.7
FD	94.0

TEIKIN NO.: LKSF 29602A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
29602A	R 29602	P 29602	LSF 29602

Surface Treatment: None

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 12.00 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
KS : 91 372 600 MAHLE: 002 24 00	KS: 800017810000 MAHLE: 002 24 N0	KS : 89 456 190 MAHLE: 004 WV 14

9

OM 602 TURBO — 2874 cc — 5 cyl.

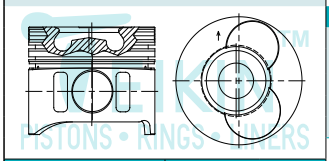
Ø	89.00	-16.7
CD	44.75	
TL	74.75	

1 - 2.5
1 - 2.0
1 - 3.0

Ø 28.000
TL 70.00

TL	156.5
OD	91.5
FT	4.7
FD	94.0

TEIKIN NO.: LKSF 29604AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
29604AG	R 29604	P G1114	LSF 29604

Surface Treatment: None

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.040 mm MP: 13.00 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
KS : 94 823 700 MAHLE: 001 01 00	KS: 800017810000 MAHLE: 002 24 N0	KS : 89 456 190 MAHLE: 004 WV 14

10

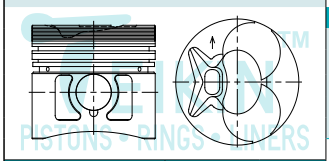
240D — 2399 cc — 4 cyl.

OM 616.910/912-914
OM 616.918/932-933/936/940
OM 616.942/944/960/963
OM 617.912-913/919/931-932

Ø	90.90	-8.7
CD	48.30	
TL	81.80	

1 - 3.0
1 - 2.0
1 - 4.0

Ø 26.000
TL 74.00



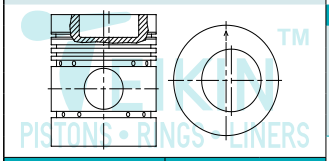
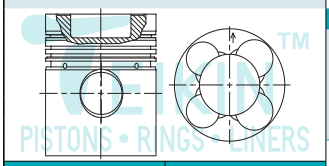
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
29118 29118A	R 29118	P 44215

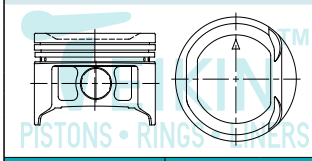
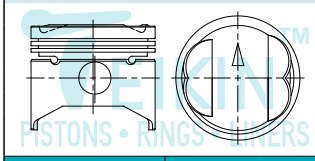
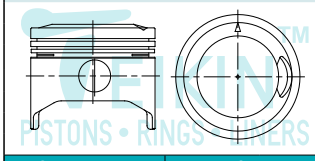
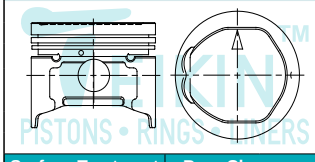
Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.030 mm MP: 10.00 mm

REFERENCE NO.	REFERENCE NO.
KS : 93 444 600 616 030 39 17 616 030 60 17 616 030 64 17 616 030 66 17	KS: 800018410000 MAHLE: 002 49N0 616 030 00 24 G-0817670010

11

M MERCEDES BENZ

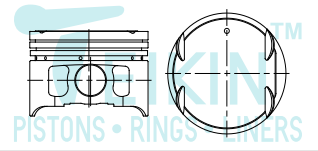
ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
911, OM - 352 **5675 cc** 6 cyl.	Ø 97.00 -20.0 CD 65.20 TL 115.65	1 - 3.0 FK 2 - 3.0 2 - 5.5	Ø 36.000 TL 82.50					
	**TEIKIN NO.** **29110** **29110A**	**TEIKIN NO.** **R 29110**	**TEIKIN NO.** **P 29110**					
Surface Treatment Chromated Moly Skirt	**Bore Clearance** MRC: 0.100 mm MP: 23.00 mm	**REFERENCE NO.** KS : 90 274 800 MAHLE : 0044510 N-8717430000	**REFERENCE NO.** KS: 800010910000 MAHLE: 002 45 N0 MAHLE: 004 45 N0 G-0817430010					12
OM - 355 6 cyl.	Ø 128.00 -27.1 CD 90.20 TL 161.30	1 - 3.5 FK 2 - 3.5 1 - 6.5	Ø 48.000 TL 108.00		TL 287.5 OD 133.5 FT 5.5 FD 137.5			**TEIKIN NO.** **LKSF 29106** **LKSF 29106A**
	**TEIKIN NO.** **29106** **29106A**	**TEIKIN NO.** **R 29106**	**TEIKIN NO.** **P 29106**		**TEIKIN NO.** **LSF 29106**			
Surface Treatment Chromated Moly Skirt	**Bore Clearance** MRC: 0.110 mm MP: 37.00 mm	**REFERENCE NO.** KS : 93 568 600 G-8717690000	**REFERENCE NO.** KS :800019611000 MAHLE :00354V0 G-0817690010		**Surface Treatment** None **REFERENCE NO.** KS :88869190 MAHLE :003WV09 G-1402589000			13

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
4A31 4 cyl.	Ø 66.00 -3.1 CD 26.60 TL 48.60	1 - 1.0 1 - 1.2 1 - 2.5	Ø 16.000 TL 46.00				
	**TEIKIN NO.** 43680	**TEIKIN NO.** R 43680	**TEIKIN NO.** P 43680				
Surface Treatment: Tin Coated Bore Clearance: MRC: 0.030 mm, MP: 10.00 mm	**REFERENCE NO.** MD333030, MD333031, MD333032, MD333033	**REFERENCE NO.**					1
4G11 1244 cc 4 cyl.	Ø 69.50 +0.8 CD 29.00 TL 58.80	2 - 1.5 1 - 4.0	Ø 18.000 TL 60.00				
	**TEIKIN NO.** 43616 (43254)	**TEIKIN NO.** R 43616	**TEIKIN NO.** P 32601				
Surface Treatment: Tin Coated Bore Clearance: MRC: 0.010 mm, MP: 10.00 mm	**REFERENCE NO.** MD030312	**REFERENCE NO.** MD030350, MD031670					2
2G23 546 cc L100, L103 2 cyl.	Ø 70.00 +2.1 CD 27.00 TL 59.00	2 - 1.5 1 - 2.5	Ø 18.000 TL 61.00				
	**TEIKIN NO.** 43176	**TEIKIN NO.** R 43176	**TEIKIN NO.** P 43187				
Surface Treatment: Tin Coated Bore Clearance: MRC: 0.030 mm, MP: 17.00 mm	**REFERENCE NO.** MD019851	**REFERENCE NO.** MD011965, MD019610					3
4G13-II 1298 cc 4 cyl.	Ø 71.00 -1.1 CD 29.30 TL 58.30	2 - 1.5 1 - 4.0	Ø 18.000 TL 59.00		TL 132.0 OD 75.0		**TEIKIN NO.** LKSX 43257
	**TEIKIN NO.** 43257 (43603)	**TEIKIN NO.** R 43257	**TEIKIN NO.** P 46141		**TEIKIN NO.** LSX 43257 **Surface Treatment** None		
Surface Treatment: Tin Coated Bore Clearance: MRC: 0.030 mm, MP: 14.00 mm	**REFERENCE NO.** MD099759	**REFERENCE NO.** MD074687, MD078543, MD115490			**REFERENCE NO.**		4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

4G13-IV — 1298 cc — 4 cyl.

Ø 71.00 +0.3 CD 28.70 TL 50.00	1 - 1.2 1 - 1.5 1 -2.8	Ø 18.000 TL 56.00						
TEIKIN NO. **43282**	**TEIKIN NO.** **R 43282**	**TEIKIN NO.** **P 30104**						
REFERENCE NO. MD351586	**REFERENCE NO.** MD335419 MD335420 MD335421 MD335422							

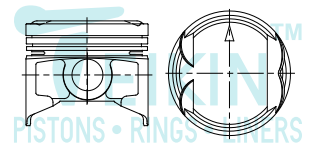


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 9.00 mm

5

4G13 — 1298 cc — 4 cyl.

Ø 71.00 +1.7 CD 29.10 TL 59.70	1 - 1.2 1 - 1.5 1 -3.0	Ø 18.000 TL 56.00		TL OD		132.0 75.0	**TEIKIN NO.** **LKSX 43600**	
TEIKIN NO. **43600** **(43246)**	**TEIKIN NO.** **R 43600**	**TEIKIN NO.** **P 30104**		**TEIKIN NO.** **LSX 43257**				
REFERENCE NO. MD172036	**REFERENCE NO.** MD158908			**Surface Treatment** None **REFERENCE NO.**				

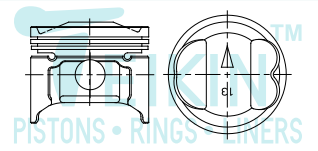


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 15.00 mm

6

4G13-III — 1298 cc — 4 cyl.

Ø 71.00 +2.7 CD 28.80 TL 60.50	2 - 1.5 1 - 4.0	Ø 18.000 TL 59.00		TL OD		132.0 75.0	**TEIKIN NO.** **LKSX 43652**	
TEIKIN NO. **43652**	**TEIKIN NO.** **R 43257**	**TEIKIN NO.** **P 46141**		**TEIKIN NO.** **LSX 43257**				
REFERENCE NO. MD074677 MD074680 MD074676 23410-21000	**REFERENCE NO.** MD074687 MD078543 MD115490			**Surface Treatment** None **REFERENCE NO.**				

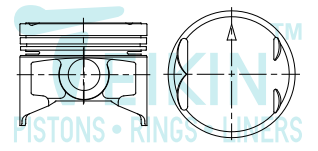


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.50 mm

7

4G17 — 1300 cc — 4 cyl.
T-120SS

Ø 72.20 +0.5 CD 29.00 TL 58.40	1 - 1.2 1 - 1.5 1 -3.0	Ø 18.000 TL 56.00		TL OD		130.0 76.2	**TEIKIN NO.** **LKSX 43216**	
TEIKIN NO. **43216**	**TEIKIN NO.** **R 43216**	**TEIKIN NO.** **P 30104**		**TEIKIN NO.** **LSX 43216**				
REFERENCE NO. MD173577A	**REFERENCE NO.** MD165325			**Surface Treatment** None **REFERENCE NO.**				



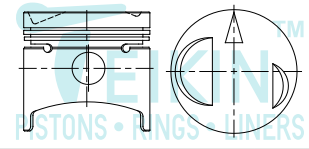
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 15.00 mm

8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

4G33 — 1439 cc — 4 cyl.
HYUNDAI PONY 1

Ø 73.00	2 - 1.5	Ø 19.000		TL	150.0	TEIKIN NO.
-7.0		TL 64.00		OD	77.0	LKSX 43137
CD 33.25						
TL 70.20	1 -4.0					
TEIKIN NO. 43137	TEIKIN NO. R 43137	TEIKIN NO. P 43132		TEIKIN NO. LSX 43137		
				Surface Treatment: None		
REFERENCE NO. MD009581, MD009580, 23410-11424	REFERENCE NO. MD009625, MD034010, MD115500			REFERENCE NO. MD002290		

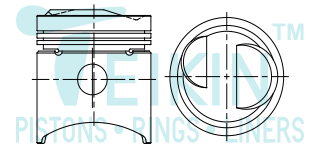


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 22.00 mm

9

4G36 — 1238 cc — 4 cyl.

Ø 73.00	2 - 1.5	Ø 19.000		TL	150.0	TEIKIN NO.
+3.5		TL 64.00		OD	77.0	LKSX 43606
CD 39.50						
TL 82.50	1 - 4.0					
TEIKIN NO. 43606 (43245)	TEIKIN NO. R 43137	TEIKIN NO. P 43132		TEIKIN NO. LSX 43137		
				Surface Treatment: None		
REFERENCE NO. MD009560, MD009561	REFERENCE NO. MD009625, MD034010, MD115500			REFERENCE NO. MD002290		

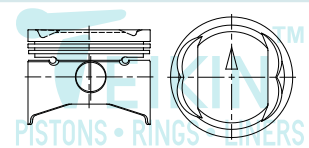


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 37.00 mm

10

4G12 — 1410 cc — 4 cyl.

Ø 74.00	2 - 1.5	Ø 18.000		TL	150.0	TEIKIN NO.
-1.5		TL 60.00		OD	77.0	LKSX 43607
CD 28.90						
TL 58.10	1 - 4.0					
TEIKIN NO. 43607 (43236)	TEIKIN NO. R 43607	TEIKIN NO. P 32601		TEIKIN NO. LSX 43137		
				Surface Treatment: None		
REFERENCE NO. MD030322, MD030327, MD012008	REFERENCE NO. MD012025, MD012035, MD030355, MD031700			REFERENCE NO. MD002290		

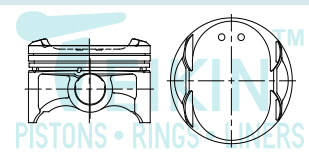


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.50 mm

11

3A92 — 1193 cc — 3 cyl.

Ø 75.00	1 - 1.0 1 - 1.2	Ø 18.000				
+3.9		TL 50.00				
CD 26.00						
TL 49.90	1 - 2.0					
TEIKIN NO. 43296	TEIKIN NO. R 43296	TEIKIN NO. P 45136				
REFERENCE NO. 1110C275, 1110C337	REFERENCE NO. 1110C488					



Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 8.50 mm

12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

3A91 — **1124 cc** — 3 cyl.
COLT ~ LANCER
LANCER SPORTBACK
CX2A ~ CY2A ~ Z36A
(07-)
DOHC 12V

Ø 75.00		Ø 18.010
	1 - 1.2	
-0.8	1 - 0.8	TL 50.00
CD 26.10		
TL 46.10	1 - 2.0	
TEIKIN NO. 43696-3	**TEIKIN NO.** R 43696-3	**TEIKIN NO.** P 43696
REFERENCE NO. MN195611	**REFERENCE NO.** MN195612 MN195656	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 10.00 mm

13

4A92 — **1598 cc** — 4 cyl.
ASX, LANCER
CX1A, ASX CX1A CY1A
GA1W
DOHC 16V
(10-)

Ø 75.00		Ø 18.000
	1 - 1.0	
+3.9	1 - 1.2	TL 50.00
CD 26.00		
TL 49.90	1 - 2.0	
TEIKIN NO. 43296-4	**TEIKIN NO.** R 43296-4	**TEIKIN NO.** P 45136
REFERENCE NO. 1110C337 1110C275	**REFERENCE NO.** 1110C488	

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 8.50 mm

14

4A91 MIVEC — 4 cyl.

Ø 75.00		Ø 18.000
	1 - 1.0	
+3.6	1 - 1.2	TL 50.00
CD 25.90		
TL 49.60	1 - 2.0	
TEIKIN NO. 43303		**TEIKIN NO.** P 45136
REFERENCE NO. 1110D300		

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 8.00 mm

15

4B40 — 4 cyl.
ECLIPSE CROSS
(2018-2019)

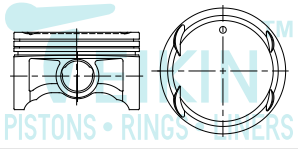
Ø 75.00		Ø 20.000
	1 - 1.2	
-1.0	1 - 1.0	TL 48.00
CD 27.50		
TL 47.50	1 - 2.0	
TEIKIN NO. 43306G		**TEIKIN NO.** P 67110
REFERENCE NO. 1110D252		

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 7.00 mm

16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

4A91 — **1499 cc** — 4 cyl.
COLT ~ LANCER
LANCER SPORTBACK
CX2A ~ CY2A ~ Z36A
(07-)
DOHC 16V

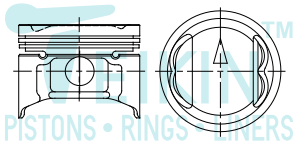


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 10.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 75.00	1 - 1.2	Ø 18.010				
-0.8	1 - 0.8	TL 50.00				
CD 26.10						
TL 46.10	1 - 2.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
43696	**R 43696**	**P 43696**				
REFERENCE NO.	**REFERENCE NO.**					
MN195611	MN195612 MN195656					

17

G15B — **1468 cc** — 4 cyl.
MIRAGE 1985-88
PRECIS 1987-89
HYUNDAI G4AJ, X1, G4DJ
1986-89

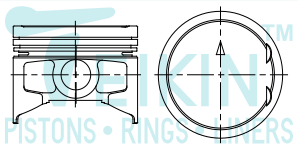


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 75.50	2 - 1.5	Ø 18.000		TL 140.0		**TEIKIN NO.**
-0.7		TL 61.00		OD 79.5		**LKSX 43187**
CD 29.10						
TL 58.30	1 - 4.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		
43187	**R 43187**	**P 43187**		**LSX 43187**		
				Surface Treatment		
				None		
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**		
MD074715 23410-21114	MD074725 MD078548 MD104656					

18

4G15 — **1468 cc** — 4 cyl.
MIRAGE 1991-92
F.I., SOHC, 12 V
HYUNDAI X3

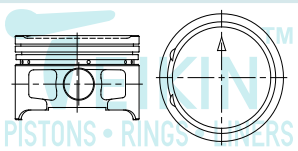


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 14.00mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 75.50	1 - 1.2	Ø 18.000		TL 140.0		**TEIKIN NO.**
-0.5	1 - 1.5	TL 56.00		OD 79.5		**LKSX 43217**
CD 29.00						
TL 58.00	1 - 3.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		
43217	**R 43217**	**P 30104**		**LSX 43187**		
				Surface Treatment		
				None		
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**		
MD320435 MD066396 MD144901 MD143914	MD158549 MD180804					

19

4G15-II — **1468 cc** — 4 cyl.
MIRAGE 1997-99
SOHC 12 V



Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 9.30mm

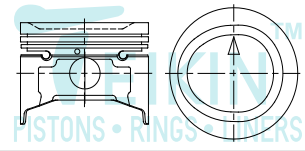
PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 75.50	1 - 1.2	Ø 18.000		TL 140.0		**TEIKIN NO.**
-1.6	1 - 1.5	TL 56.00		OD 79.5		**LKSX 43248**
CD 28.70						
TL 49.70	1 - 2.8					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		
43248	**R 43248**	**P 30104**		**LSX 43187**		
				Surface Treatment		
				None		
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**		
MD332841	MD331313 MD333896					

20

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

G15B-II — 1468 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 75.50	2 - 1.5	Ø 18.000		TL		140.0	TEIKIN NO.
-3.6		TL 61.00		OD		79.5	LKSX 43272
CD 29.10							
TL 58.30	1 - 4.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
43272 (43653)	R 43187	P 43187		LSX 43187			
				Surface Treatment: None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
MD099770	MD074725						
MD099769	MD078548						
	MD104656						

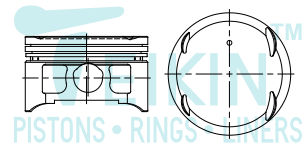


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 15.00mm

21

4G18 — 1584 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 76.00	2 - 1.2	Ø 18.000					
-1.5		TL 56.00					
CD 26.00							
TL 47.00	1 - 2.5						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.					
43281	R 43281	P 30104					
REFERENCE NO.	REFERENCE NO.						
MD366902	MD361982						
MD367775	MD361983						
MD367776							
MD367777							
MD349812							

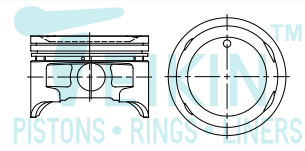


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 9.50 mm

22

4G18-II — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 76.00	1 - 1.0	Ø 18.000					
-3.7	1 - 1.5	TL 58.00					
CD 26.50							
TL 52.50	1 - 2.8						
TEIKIN NO.		TEIKIN NO.					
43302		P 44687					
REFERENCE NO.							
MD345934							

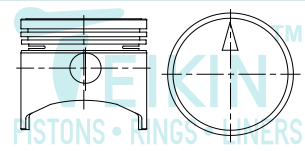


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 15.00 mm

23

4G41R NEW — 1378 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 76.50	2 - 2.0	Ø 19.000		TL		127.0	TEIKIN NO.
+0.2		TL 64.00		OD		80.5	LKSX 43144
CD 30.75							
TL 69.15	1 - 4.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
43144	R 43132N	P 43132		LSX 43143			
				Surface Treatment: None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
MD011940	MD010710						
MD011941	MD010715						
	MD011893						



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 23.60 mm

24

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

4G32 — 1597 cc — 4 cyl.

L200
HYUNDAI 1600 CC

Ø	76.90	-2.8	CD 33.55	TL 70.50	2 - 2.0	1 - 4.0	Ø 19.000	TL 64.00		TL	OD	150.0	80.9	TEIKIN NO. LKSX 43132

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.
43132	R 43132N	P 43132		LSX 43221

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 19.50 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.
MD008851 23410-11621 MD004761	MD000725 MD004709/39/70 MD005885 MD007251		MD004233

25

4G32-M — 1597 cc — 4 cyl.

Ø	76.90	-2.3	CD 34.00	TL 67.95	2 - 1.5	1 - 4.0	Ø 19.000	TL 64.00		TL	OD	150.0	80.9	TEIKIN NO. LKSX 43221

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.
43221	R 43221	P 43132		LSX 43221

Surface Treatment: None

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 16.00 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.
MD105495	MD012765 MD062387 MD093337 MD099430		MD004233

26

4G32-III — 1597 cc — 4 cyl.

Ø	76.90	-3.3	CD 33.75	TL 70.70	2 - 2.0	1 - 4.0	Ø 19.000	TL 64.00		TL	OD	150.0	80.9	TEIKIN NO. LKSX 43224

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.
43224	R 43132N	P 43132		LSX 43221

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 19.50 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.
MD004670	MD000725 MD004709/39/70 MD005885 MD007251		MD004233

27

G32S — 1597 cc — 4 cyl.

Ø	76.90	-0.4	CD 33.50	TL 70.50	2 - 2.0	1 - 4.0	Ø 19.000	TL 64.00		TL	OD	150.0	80.9	TEIKIN NO. LKSX 43656

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.
43656	R 43132N	P 43132		LSX 43221

Surface Treatment: None

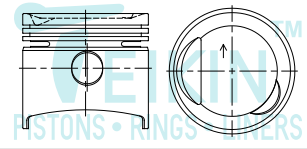
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 28.00 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.
MD008861 MD004680 MD004767 MD008860	MD000725 MD004709/39/70 MD005885 MD007251		MD004233

28

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

4G32 NEW — **1597 cc** — 4 cyl.
L200
HYUNDAI 1600 CC

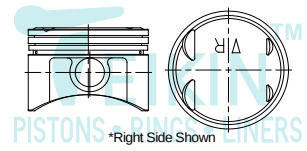


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 20.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 76.90 -2.9 CD 33.50 TL 70.50	2 - 2.0 1 - 4.0	Ø 19.000 TL 64.00		TL OD		150.0 80.9	TEIKIN NO. **LKSX 43132N**
TEIKIN NO. **43132N**	TEIKIN NO. **R 43132N**	TEIKIN NO. **P 43132**		TEIKIN NO. **LSX 43221** Surface Treatment None			
REFERENCE NO. MD008851 23410-11621 MD004761	REFERENCE NO. MD000725 MD004709/39/70 MD005885 MD007251			REFERENCE NO. MD004233			

29

6A12 — **1999 cc** — 6 cyl.
ST-41



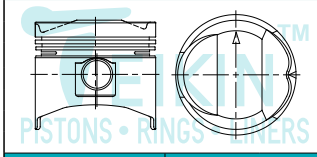
*Right Side Shown

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.030 mm MP: 12.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 78.40 +1.0 CD 28.70 TL 55.20	2 - 1.2 1 - 2.8	Ø 19.000 TL 58.00					
TEIKIN NO. **43677**	TEIKIN NO. **R 43677**	TEIKIN NO. **P 32125**					
REFERENCE NO. MD352494 (R/L) MD356498 (R/L)	REFERENCE NO. MD189104 MD302644						

30

4G62 — **1795 cc** — 4 cyl.
1800 PICK-UP
L300 1800 VAN, 1983-ON
TREDIA 1.8 SL & SLX
HYUNDAI Y2

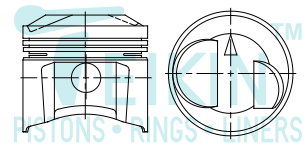


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 19.30 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 80.60 +1.3 CD 34.95 TL 73.10	2 - 2.0 1 - 4.0	Ø 21.000 TL 72.50		TL OD		150.0 84.5	TEIKIN NO. **LKSX 43154**
TEIKIN NO. **43154**	TEIKIN NO. **R 43154**	TEIKIN NO. **P 43155**		TEIKIN NO. **LSX 43154** Surface Treatment None			
REFERENCE NO. MD040571	REFERENCE NO. MD040610 MD106736			REFERENCE NO. MD061685			

31

G37B — **1755 cc** — 4 cyl.
4G37



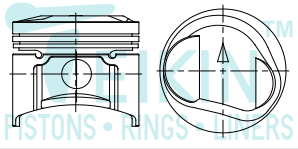
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 14.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 80.60 +7.0 CD 33.50 TL 75.45	2 - 1.5 1 - 4.0	Ø 19.000 TL 64.00					
TEIKIN NO. **43195**	TEIKIN NO. **R 43195**	TEIKIN NO. **P 43132**					
REFERENCE NO. MD074210	REFERENCE NO. MD040465 MD077113 MD106028 MD154012						

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ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

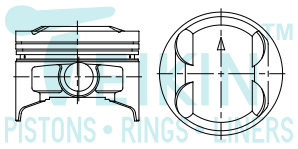
4G37 — **1755 cc** — 4 cyl.
1990-94 ECLIPSE
F.I., SOHC4



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 16.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 80.60 +3.8 CD 34.00 TL 71.80	2 - 1.5 1 - 4.0	Ø 19.000 TL 64.00				
TEIKIN NO. **43219**	**TEIKIN NO.** **R 43195**	**TEIKIN NO.** **P 43132**				
REFERENCE NO. MD100416	**REFERENCE NO.** MD040465 MD077113 MD106028 MD154012					33

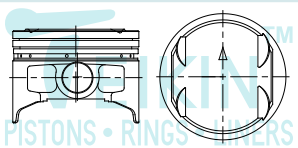
4G92S-H — **1597 cc** — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 81.00 +3.1 CD 30.00 TL 62.10	2 - 1.2 1 - 2.8	Ø 19.000 TL 58.00				
TEIKIN NO. **43657**	**TEIKIN NO.** **R 43657**	**TEIKIN NO.** **P 32125**				
REFERENCE NO. MD329140-6	**REFERENCE NO.** MD173206 MD137211					34

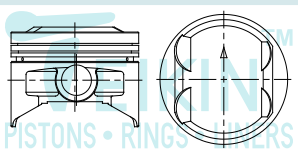
4G93 — **1834 cc** — 4 cyl.
CARISMA
SPACE STAR
(97-)
DOHC 16V



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 81.00 +1.0 CD 30.10 TL 60.10	2 - 1.2 1 - 2.8	Ø 19.000 TL 58.00				
TEIKIN NO. **43658**	**TEIKIN NO.** **R 43657**	**TEIKIN NO.** **P 32125**				
REFERENCE NO. MD329139	**REFERENCE NO.** MD173206 MD137211					35

4G92S — **1597 cc** — 4 cyl.



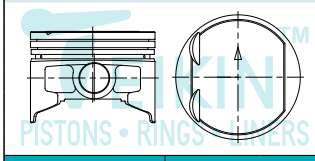
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 15.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 81.00 +2.2 CD 30.10 TL 61.30	2 - 1.2 1 - 2.8	Ø 19.000 TL 58.00				
TEIKIN NO. **43671**	**TEIKIN NO.** **R 43657**	**TEIKIN NO.** **P 32125**				
REFERENCE NO. MD191343 MD191342 MD191344	**REFERENCE NO.** MD173206 MD137211					36

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

4G93-II — 1834 cc — 4 cyl.

PISTON SET	RINGS	PIN
Ø 81.00 +0.2	2 - 1.2	Ø 19.000
CD 30.80		TL 58.00
TL 60.00	1 - 2.8	
TEIKIN NO. 43679	TEIKIN NO. R 43657	TEIKIN NO. P 32125
REFERENCE NO. MD190610 MD318097	REFERENCE NO. MD173206 MD137211	



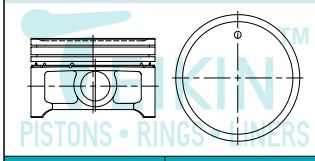
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.50 mm

37

4G94 — 1999 cc — 4 cyl.

2.0L
SOHC 16V
LANCER 02-05

PISTON SET	RINGS	PIN
Ø 81.50 -1.2	2 - 1.2	Ø 19.000
CD 30.40		TL 58.00
TL 50.40	1 - 2.5	
TEIKIN NO. 43288	TEIKIN NO. R 43288	TEIKIN NO. P 32125
REFERENCE NO. MD375975 MN187171 MN187172 MD375974	REFERENCE NO. 1110B098 1110B099 1110B100	



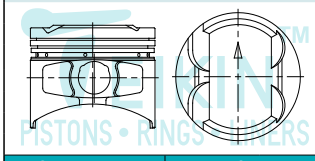
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 7.00 mm

38

4G61 — 1595 cc — 4 cyl.

MIRAGE 1991-92
DOHC 16 V
HYUNDAI G4CR, J1

PISTON SET	RINGS	PIN
Ø 82.30 +1.7	1 - 1.2 1 - 1.5	Ø 21.000 TL 66.00
CD 32.10		
TL 66.10	1 - 3.0	
TEIKIN NO. 43250	TEIKIN NO. R 43250	TEIKIN NO. P 44121
REFERENCE NO. MD129932 23410-33000 23410-33010 23410-33020	REFERENCE NO. MD133485 MD133495	



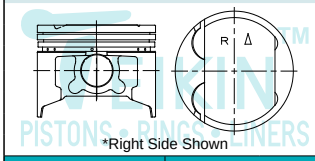
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 17.00 mm

39

6G73 — 2497 cc — 6 cyl.

CHRYSLER STRATUS
SEBRING, CIRRUS, AVENGER
1995-98

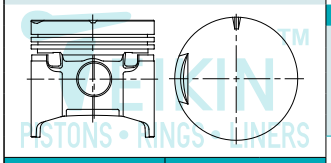
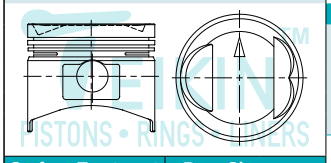
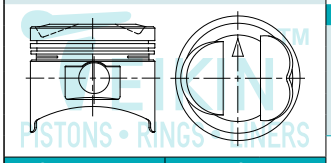
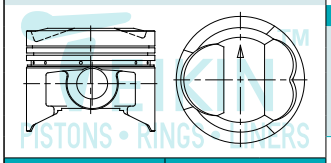
PISTON SET	RINGS	PIN
Ø 83.50 +0.2	1 - 1.2 1 - 1.5	Ø 22.000 TL 64.00
CD 31.60		
TL 64.10	1 - 3.0	
TEIKIN NO. 43263	TEIKIN NO. R 43263	TEIKIN NO. P 43220
REFERENCE NO. MD309393 (R) MD309399 (L)	REFERENCE NO. MD310257 MD310258	



*Right Side Shown

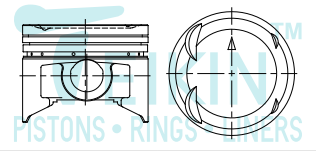
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 15.50 mm

40

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
4G52 1995 cc 1973 4 cyl.	Ø 84.00 -2.2 CD 40.15 TL 79.75	2 - 2.0 1 - 4.0	Ø 22.000 TL 75.00				
	**TEIKIN NO.** **43148**	**TEIKIN NO.** **R 43148**	**TEIKIN NO.** **P 46189**				
Surface Treatment: None **Bore Clearance**: MRC: 0.070 mm MP: 22.00 mm	**REFERENCE NO.** MD021058 MD021000 MD021063 MD021192	**REFERENCE NO.** MD021010 MD021035 MD021070 MD027010					41
4G63 OLD 2555 cc T/C GALANT SIGMA 4 cyl.	Ø 85.00 -1.0 CD 35.10 TL 72.00	2 - 2.0 1 - 4.0	Ø 21.000 TL 72.50				
	**TEIKIN NO.** **43155**	**TEIKIN NO.** **R 43207**	**TEIKIN NO.** **P 43155**				
Surface Treatment: Tin Coated **Bore Clearance**: MRC: 0.030 mm MP: 19.00 mm	**REFERENCE NO.** MD041564 MD040591	**REFERENCE NO.** MD040640 MD040840 MD041580 MD108068					42
G63B 1997 cc 4G63 NEW 4 cyl.	Ø 85.00 +1.8 CD 34.95 TL 73.65	2 - 2.0 1 - 4.0	Ø 21.000 TL 72.50		TL 150.0 OD 89.0		**TEIKIN NO.** **LKSX 43207**
	**TEIKIN NO.** **43207**	**TEIKIN NO.** **R 43207**	**TEIKIN NO.** **P 43155**		**TEIKIN NO.** **LSX 43207** **Surface Treatment** None		
Surface Treatment: None **Bore Clearance**: MRC: 0.030 mm MP: 19.95 mm	**REFERENCE NO.** MD040821	**REFERENCE NO.** MD040640 MD040840 MD041580 MD108068			**REFERENCE NO.** MD040409		43
4G63-P 1997 cc 4 cyl.	Ø 85.00 +1.6 CD 35.45 TL 69.00	1 - 1.2 1 - 1.5 1 - 3.0	Ø 22.000 TL 62.00		TL 150.0 OD 89.0		**TEIKIN NO.** **LKSX 43222**
	**TEIKIN NO.** **43222**	**TEIKIN NO.** **R 43222**	**TEIKIN NO.** **P 43222**		**TEIKIN NO.** **LSX 43207** **Surface Treatment** None		
Surface Treatment: Tin Coated **Bore Clearance**: MRC: 0.020 mm MP: 14.50 mm	**REFERENCE NO.** MD190256	**REFERENCE NO.** MD133485 MD140923 MD195850			**REFERENCE NO.** MD040409		44

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET

4G63DK — **1997 cc** — 4 cyl.
1993-94
F.I., DOHC
ECLIPSE 16V



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 14.50 mm

Ø	85.00	-2.3
CD	35.00	
TL	66.95	

1 - 1.2
1 - 1.5
1 - 3.0

Ø	22.000
TL	62.00

TL	150.0
OD	89.0

TEIKIN NO. LKSX 43226

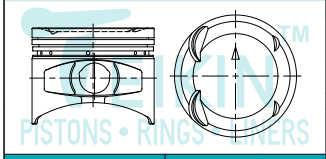
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43226	R 43222	P 43222	LSX 43207

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
MD190262	MD133485 MD140923 MD195850	MD040409

45

4G63D — **1997 cc** — 4 cyl.
ECLIPSE 1989-92
F.I., DOHC, 16 V
HYUNDAI Y2, G4CF
SONATA 1992-98



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 17.00 mm

Ø	85.00	-2.6
CD	34.90	
TL	66.90	

1 - 1.2
1 - 1.5
1 - 3.0

Ø	21.000
TL	66.00

TL	150.0
OD	89.0

TEIKIN NO. LKSX 43231

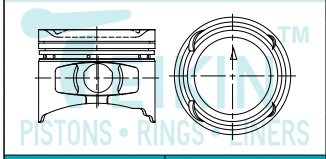
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43231	R 43222	P 44121	LSX 43207

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
MD129922 23410-33100 23410-33110 23410-33120	MD133485 MD140923 MD195850	MD040409

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4G63D-T — **1997 cc** — 4 cyl.
ECLIPSE TURBO
GALANT TURBO
F.I., DOHC 16V
1990-92



Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.020 mm MP: 16.00 mm

Ø	85.00	-5.5
CD	35.00	
TL	67.00	

1 - 1.2
1 - 1.5
1 - 3.0

Ø	21.000
TL	66.00

TL	150.0
OD	89.0

TEIKIN NO. LKSX 43234

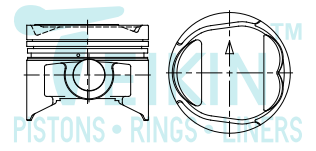
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43234	R 43222	P 44121	LSX 43207

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
MD129232	MD133485 MD140923 MD195850	MD040409

47

4G63K — **1997 cc** — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.50 mm

Ø	85.00	+0.5
CD	35.00	
TL	67.50	

1 - 1.2
1 - 1.5
1 - 3.0

Ø	22.000
TL	62.00

TL	150.0
OD	89.0

TEIKIN NO. LKSX 43261

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43261 (43620)	R 43222	P 43222	LSX 43207

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
MD188289 MD188292	MD133485 MD140923 MD195850	MD040409

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ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET

4G63N — 1997 cc — 4 cyl.

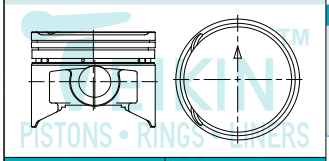
Ø	85.00	-2.1
CD	35.00	
TL	67.00	

1 - 1.2
1 - 1.5
1 - 2.8

Ø 22.000
TL 62.00

TL 150.0
OD 89.0

TEIKIN NO. LKSX 43279



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43279	R 43279	P 43222	LSX 43207

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
MD188097 MD188100	MD108608 MD195085 MD195810 MD313405	MD040409

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 14.50 mm

49

G63B-II — 1997 cc — 4 cyl.

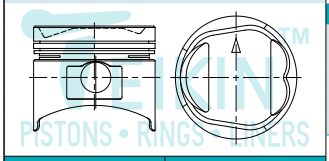
Ø	85.00	-1.8
CD	35.40	
TL	72.40	

2 - 1.5
1 - 4.0

Ø 21.000
TL 72.50

TL 150.0
OD 89.0

TEIKIN NO. LKSX 43621



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43621 (43262)	R 43621	P 43155	LSX 43207

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
MD100372	MD088941 MD100467 MD105516	MD040409

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 19.00 mm

50

G63DH — 1997 cc — 4 cyl.

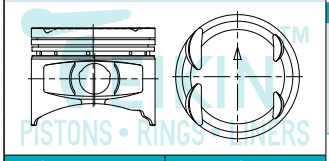
Ø	85.00	-0.6
CD	35.00	
TL	67.00	

1 - 1.2
1 - 1.5
1 - 3.0

Ø 21.000
TL 66.00

TL 150.0
OD 89.0

TEIKIN NO. LKSX 43676



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43676	R 43222	P 44121	LSX 43207

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
MD129942	MD133485 MD140923 MD195850	MD040409

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.50 mm

51

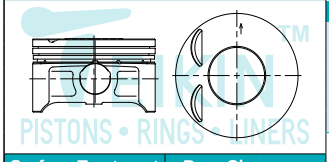
4B11 — 1998 cc — 4 cyl.

ASX - DELICA
GALLANT - LANCER
OUTLANDER
CV4W - CW4W
DOHC 16V

Ø	86.00	+0.3
CD	27.50	
TL	50.80	

2 - 1.2
1 - 2.0

Ø 21.000
TL 57.50



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43692	R 43692	P 45152

REFERENCE NO.	REFERENCE NO.
1110B478 1110B479 1110B480	1110A436 1110B484 1110B795 1110C103

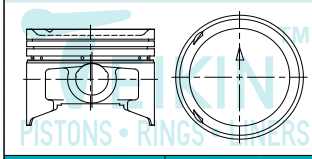
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 10.00 mm

52

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

4G64S — 2350 cc — 4 cyl.

1993-96
F.I., SOHC 4
EXPO, GALANT



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 14.00 mm

Ø	86.50	-4.3
CD	35.00	
TL	67.05	

	1 - 1.2
	1 - 1.5
	1 - 2.8

Ø	22.000
TL	62.00

TL		155.0
OD		90.0

TEIKIN NO. **LKSX 43225**

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43225	**R 43225**	**P 43222**	**LSX 43228**

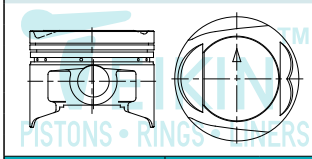
Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
MD303071 MD188115 MD303074	MD192815 MD194597 MD195828	

53

4G64 — 2350 cc — 4 cyl.

PICKUP, MIGHTY MAX
F.I., SOHC 8V
1993-96



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.60 mm

Ø	86.50	+0.2
CD	35.10	
TL	67.40	

	1 - 1.2
	1 - 1.5
	1 - 3.0

Ø	22.000
TL	62.00

TL		155.0
OD		90.0

TEIKIN NO. **LKSX 43228**

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43228	**R 43228**	**P 43222**	**LSX 43228**

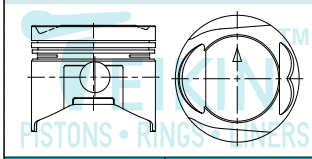
Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
MD188998	MD195872	

54

4G64N — 2350 cc — 4 cyl.

HYUNDAI Y2, G4 CS
F.I., SOHC 12V



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.50 mm

Ø	86.50	+0.4
CD	35.00	
TL	72.40	

	2 - 1.5
	1 - 4.0

Ø	21.000
TL	72.50

TL		155.0
OD		90.0

TEIKIN NO. **LKSX 43258**

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43258 **(43601)**	**R 43258**	**P 43155**	**LSX 43228**

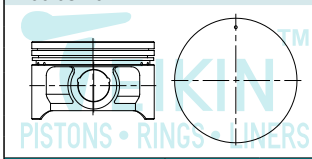
Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
MD105377 23410-32600 23410-32610 23410-32620 23410-32640	MD085346 MD103580	

55

4G64-II — 2350 cc — 4 cyl.

GALANT, ECLIPSE
1999-2002
F.I., SOHC 16V
DODGE 1000 08-10
L200 08-16



Surface Treatment	Bore Clearance
None	MRC: 0.020 mm MP: 8.50 mm

Ø	86.50
CD	30.50
TL	53.00

	1 - 1.2
	1 - 1.5
	1 - 2.8

Ø	22.000
TL	62.00

TL		155.0
OD		90.0

TEIKIN NO. **LKSX 43270**

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43270	**R 43225**	**P 43222**	**LSX 43228**

Surface Treatment: None

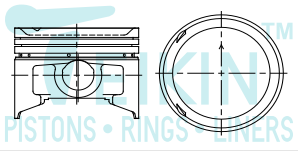
REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
MD357066 MD357067 MD357068 MD354837/ 38/ 39 MD361351/ 52	MD192815 MD194597 MD195828	

56

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

G64FR — 2350 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 86.50	1 - 1.2	Ø 22.000				
-5.2	1 - 1.5	TL 62.00				
CD 35.00						
TL 67.05	1 - 2.8					
TEIKIN NO. 43276		TEIKIN NO. P 43222				
REFERENCE NO. MD341733						



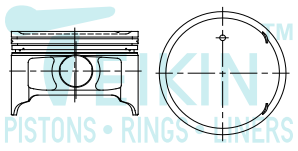
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.00 mm

57

4G69 — 2378 cc — 4 cyl.

2.4L
SOHC 16V
GALANT 04-05
LANCER 04-05
OUTLANDER 04-05

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 87.00	2 - 1.2	Ø 22.000				
-1.8		TL 62.00				
CD 28.00						
TL 59.00	1 - 2.0					
TEIKIN NO. 43287	TEIKIN NO. R 43287	TEIKIN NO. P 43222				
REFERENCE NO. MN183396 MN163080	REFERENCE NO. MD377324					



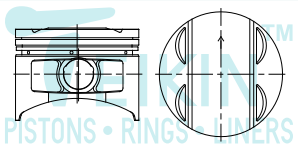
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 15.50 mm

58

420A — 1996 cc — 4 cyl.

ECLIPSE 1995-99
CHRYSLER AVERANGER,
CIRRUS,
SEBRING, STRATUS 1995-00
TALON 1995-1998

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 87.50	2 - 1.2	Ø 21.000				
+0.8		TL 72.50				
CD 31.50						
TL 64.85	1 - 3.0					
TEIKIN NO. 43230		TEIKIN NO. P 43155				
REFERENCE NO. M04741372 M04797613						



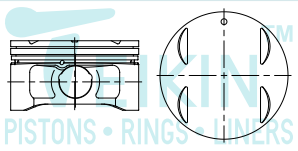
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 17.25 mm

59

6B31 — 2998 cc — 6 cyl.

SOHC 24V V6
VIN X
OUTLANDER 07-10

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 87.60	1 - 1.2	Ø 22.000				
-2.2	1 - 1.0	TL 58.00				
CD 28.30						
TL 47.80	1 - 2.0					
TEIKIN NO. 43297	TEIKIN NO. R 43297	TEIKIN NO. P 43290				
REFERENCE NO. 1110B629 1110B630 1110B631	REFERENCE NO. 1110B435 1110B632					



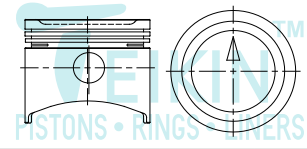
Surface Treatment	Bore Clearance
Tin Coated Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 5.50 mm

60

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	LINER NO FLANGE	LINER KIT SET

4G53 OLD — **2384 cc** — 4 cyl.
FORKLIFT 3T

PISTON SET	RINGS	PIN
Ø 88.00	2 - 2.0	Ø 22.000
-4.3		TL 75.00
CD 35.10		
TL 75.00	1 - 4.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
43151	**R 43151**	**P 46189**
REFERENCE NO.	**REFERENCE NO.**	
MD024901	MD025000	
MD024921	MD026985	

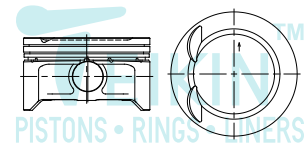


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 22.50 mm

61

4B12 — **2359 cc** — 4 cyl.
LANCER - DELICA
OUTLANDER
CV5W - CW5W
CX5A - CY5A
(07-)

PISTON SET	RINGS	PIN
Ø 88.00	2 - 1.2	Ø 21.000
-1.7		TL 57.50
CD 27.50		
TL 51.50	1 - 2.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
43694	**R 43694**	**P 45152**
REFERENCE NO.	**REFERENCE NO.**	
1110B365	1110A822	
1110B366	1110B485	
1110B367	1110B754	
1110B483	1110C162	

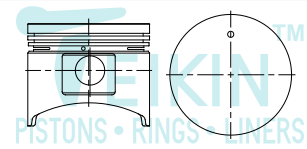


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 10.00 mm

62

4G54 — **2555 cc** — 4 cyl.
DASH GALANT
MONTERO 1983, CHRYSLER
400 1982-83, 600, CARAVAN
1983-84, CHALLANGER 1981-84

PISTON SET	RINGS	PIN			
Ø 91.10	2 - 2.0	Ø 22.000	TL		165.0
		TL 79.00	OD		95.1
CD 35.40					
TL 77.30	1 - 4.0				
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**	**TEIKIN NO.**		
43153	**R 43153**	**P 43153**	**LSX 43153**		
REFERENCE NO.	**REFERENCE NO.**		**REFERENCE NO.**		
MD026921	MD025089				
	MD026835				
	MD026960				
	MD027140				



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.50 mm

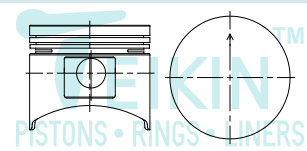
Surface Treatment
None

TEIKIN NO. **LKSX 43153**

63

G54B, RWD — **2555 cc** — 4 cyl.
MONTERO 1983-89
SOHC, 12 V
CHRYSLER CARAVAN 1983-87
RELIANT 1985-88,

PISTON SET	RINGS	PIN			
Ø 91.10	2 - 1.5	Ø 22.000	TL		165.0
		TL 79.00	OD		95.1
CD 35.50					
TL 77.50	1 - 4.0				
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**	**TEIKIN NO.**		
43233	**R 43233**	**P 43153**	**LSX 43153**		
REFERENCE NO.	**REFERENCE NO.**		**REFERENCE NO.**		
MD071172	MD061258				
	MD076170				
	MD080598				
	MD101895				



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 20.70 mm

Surface Treatment
None

TEIKIN NO. **LKSX 43233**

64

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

G54BT — 2555 cc — 4 cyl.

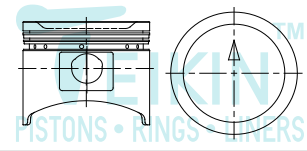
Ø	91.10	-5.2	CD 35.00	TL 76.90

2 - 1.5
1 - 4.0

Ø	22.000
TL	79.00

TL	165.0
OD	95.1

TEIKIN NO. LKSX 43273



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43273	R 43233	P 43153	LSX 43153

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.50 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
MD061248 MD128450	MD061258 MD076170 MD080598 MD101895	

65

4G54C — 2555 cc — 4 cyl.

PAJERO ~ STARION (82-) SOHC

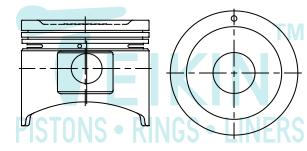
Ø	91.10	-3.0	CD 35.40	TL 77.40

2 - 1.5
1 - 4.0

Ø	22.000
TL	79.00

TL	165.0
OD	95.1

TEIKIN NO. LKSX 43292



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43292	R 43233	P 43153	LSX 43153

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.50 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
MD080394	MD061258 MD076170 MD080598 MD101895	

66

G54B-II — 2555 cc — 4 cyl.

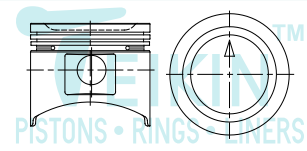
Ø	91.10	-5.0	CD 35.00	TL 77.00

2 - 2.0
1 - 4.0

Ø	22.000
TL	79.00

TL	165.0
OD	95.1

TEIKIN NO. LKSX 43654



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43654	R 43153	P 43153	LSX 43153

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 21.00 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
MD024946/47 MD024990/91 MD026860/61 MD026870/71	MD025089 MD026835 MD026960 MD027140	

67

6G72 — 2972 cc — 6 cyl.

GALANT SIGMA 1988-90
MONTERO PICKUP 1989-95
F.I., SOHC, V6, HYUNDAI 3000 CC

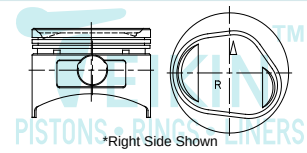
Ø	91.10	-3.4	CD 31.65	TL 67.50

2 - 1.5
1 - 4.0

Ø	22.000
TL	66.00

TL	164.5
OD	94.2

TEIKIN NO. LKSX 43218



*Right Side Shown

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43218	R 43218	P 39104	LSX 43218

Surface Treatment: None

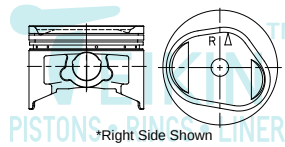
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 20.25 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
MD131252/4 MD119671 (R) MD152562/3/4 (L) 23410-35104/14/24 23410-35134/44/54	MD101895 MD104922/23 MD104939/40 MD129548	

68

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET

6G72 NEW — 2972 cc — 6 cyl.
F.I., SOHC V6, 12 V
MONTERO 1994, 3000GT 1994-99
HYUNDAI 3000 CC

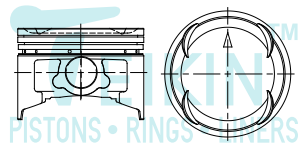


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 16.00 mm

Ø	91.10	1 - 1.2	Ø	22.000		TL	164.5	TEIKIN NO.
	-3.0	1 - 1.5	TL	64.00		OD	94.2	LKSX 43220
CD	32.20							
TL	66.20	1 - 3.0						
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.			TEIKIN NO.		
43220		R 43220	P 43220			LSX 43218		
						Surface Treatment		
						None		
REFERENCE NO.		REFERENCE NO.				REFERENCE NO.		
MD197808 (R)		MD158344						
MD197814 (L)		MD165949						
23410-35214 (R)		MD301803						
23410-35244 (L)								

69

6G72-T — 2972 cc — 6 cyl.
3000GT TURBO
F.I., DOHC, 24 V
1991-99

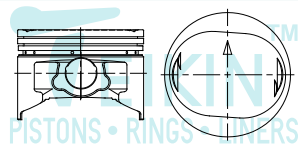


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 15.00 mm

Ø	91.10	1 - 1.2	Ø	22.000		TL	164.5	TEIKIN NO.
	-3.4	1 - 1.5	TL	64.00		OD	94.2	LKSX 43235
CD	31.90							
TL	65.90	1 - 3.0						
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.			TEIKIN NO.		
43235		R 43220	P 43220			LSX 43218		
						Surface Treatment		
						None		
REFERENCE NO.		REFERENCE NO.				REFERENCE NO.		
MD307972		MD158344						
		MD165949						
		MD301803						

70

6G72H — 2972 cc — 6 cyl.
DIAMENTE 1992-96
F.I., SOHC, 12 V
HYUNDAI FBM

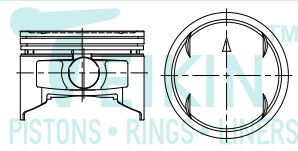


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.00 mm

Ø	91.10	1 - 1.2	Ø	22.000		TL	164.5	TEIKIN NO.
	-0.2	1 - 1.5	TL	64.00		OD	94.2	LKSX 43249
CD	31.90							
TL	65.90	1 - 3.0						
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.			TEIKIN NO.		
43249		R 43220	P 43220			LSX 43218		
						Surface Treatment		
						None		
REFERENCE NO.		REFERENCE NO.				REFERENCE NO.		
MD307944		MD158344						
MD194548		MD165949						
23410-35650		MD301803						
23410-35660/70								

71

6G72-II — 2972 cc — 6 cyl.
MONTERO SPORT 2001-02
GALANT, ECLIPSE 2000-02
F.I. SOHC 24V



Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 19.50 mm

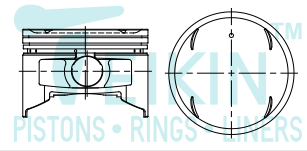
Ø	91.10	1 - 1.2	Ø	22.000		TL	164.5	TEIKIN NO.
	-1.3	1 - 1.5	TL	64.00		OD	94.2	LKSX 43278
CD	30.20							
TL	64.20	1 - 3.0						
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.			TEIKIN NO.		
43278		R 43220	P 43220			LSX 43218		
						Surface Treatment		
						None		
REFERENCE NO.		REFERENCE NO.				REFERENCE NO.		
MD367089		MD158344						
MD367088		MD165949						
MD367090		MD301803						

72

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	LINER NO FLANGE	LINER KIT SET

6G72-V — 2972 cc — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 91.10	1 - 1.2	Ø 22.000				
-2.7	1 - 1.5	TL 64.00				
CD 31.20						
TL 65.20	1 - 3.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
43294	**R 43294**	**P 43220**				
REFERENCE NO.	**REFERENCE NO.**					
MD367101						

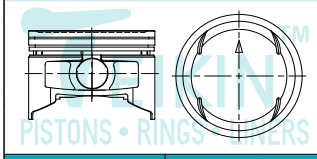


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 19.50 mm

73

6G72-IV — 2972 cc — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING				LINER KIT SET
Ø 91.10	1 - 1.2	Ø 22.000		TL		164.5	**TEIKIN NO.**
-2.6	1 - 1.5	TL 64.00		OD		94.2	**LKSX 43667**
CD 31.80							
TL 65.80	1 - 3.0						
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**			
43667	**R 43220**	**P 43220**		**LSX 43218**			
(43665)							
				Surface Treatment			
				None			
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**			
MD318501	MD158344						
	MD165949						
	MD301803						

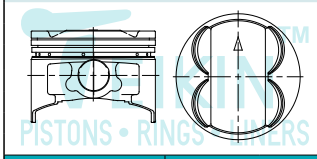


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.00 mm

74

6G72-III — 2972 cc — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING				LINER KIT SET
Ø 91.10	1 - 1.2	Ø 22.000		TL		164.5	**TEIKIN NO.**
+0.5	1 - 1.5	TL 64.00		OD		94.2	**LKSX 43669**
CD 32.10							
TL 66.60	1 - 3.0						
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**			
43669	**R 43220**	**P 43220**		**LSX 43218**			
				Surface Treatment			
				None			
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**			
MD307958	MD158344						
MD158317	MD165949						
	MD301803						



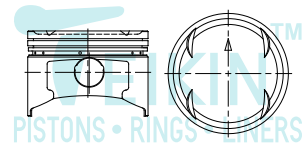
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.00 mm

75

6G74 — 3496 cc — 6 cyl.

MONTERO 1994-96
F.I., DOHC V6, 24 V
HYUNDAI 3500 CC

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 93.00	2 - 1.5	Ø 22.000				
-2.8		TL 64.00				
CD 32.00						
TL 65.90	1 - 3.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
43247	**R 43247**	**P 43220**				
REFERENCE NO.	**REFERENCE NO.**					
MD308276	MD300569					
MD189498	MD322783					
23410-35700	MD369575					
23410-35710/20						

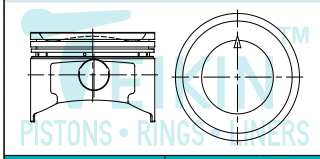


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.00 mm

76

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

6G74-II — **3496 cc** — 6 cyl.
DIAMANTE, MONTERO
1997-99
SOHC 24V

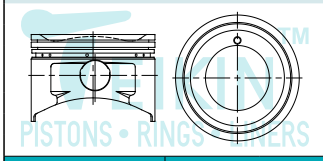


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 93.00 -6.1 CD 31.00 TL 64.90	2 - 1.5 1 - 3.0	Ø 22.000 TL 64.00				
TEIKIN NO. **43271**	TEIKIN NO. **R 43247**	TEIKIN NO. **P 43220**				
REFERENCE NO. MD334469	REFERENCE NO. MD300569 MD322783 MD369575					

77

6G74-III — **3500 cc** — 6 cyl.
SOHC 24V
MONTERO 2001-2002
MONTERO SPORT 2001-2004

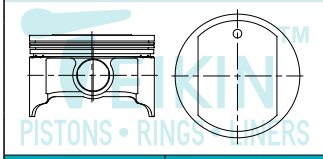


Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.030 mm MP: 20.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 93.00 -4.8 CD 30.20 TL 64.20	2 - 1.5 1 - 3.0	Ø 22.000 TL 64.00				
TEIKIN NO. **43284**	TEIKIN NO. **R 43247**	TEIKIN NO. **P 43220**				
REFERENCE NO. MN149038 MN149037 MN14039 MD371361 MD371362	REFERENCE NO. MD300569 MD322783 MD369575					

78

6G75 — **3828 cc** — 6 cyl.
ENDEAVOR 04-05
GALANT 04-05
MONTERO 03-05
V6 SOHC 24V



Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown	MRC: 0.030 mm MP: 12.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 95.00 +0.2 CD 29.10 TL 56.80	2 - 1.2 1 - 2.0	Ø 22.000 TL 58.00				
TEIKIN NO. **43290**	TEIKIN NO. **R 43290**	TEIKIN NO. **P 43290**				
REFERENCE NO. MN183040	REFERENCE NO. MN183867					

79

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

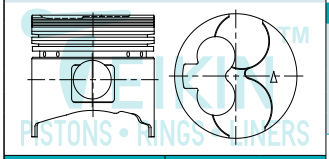
4D65T — 1795 cc — 4 cyl.

Ø	80.60	-2.1
CD	41.70	
TL	78.70	

2 - 2.0 HK
1 - 4.0

Ø	25.000
TL	68.00

TL	150.0	146.0
OD	84.6	84.6
FT	4.0	
FD	90.5	



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 19.50 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43229 43229A	R 43229	P 42167	B 43229	LSF 43229 LSX 43229
				Surface Treatment: None
REFERENCE NO. MD072264	REFERENCE NO. MD071206 MD078209/309 MD127017/22 MD136692		REFERENCE NO. MD060467	REFERENCE NO.

TEIKIN NO.: LKSF 43229, LKSX 43229, LKSF 43229A, LKSX 43229A

80

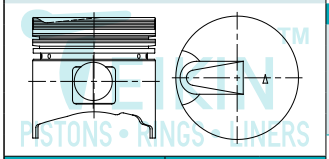
4D65T OLD — 1795 cc — 4 cyl.

Ø	80.60	-3.5
CD	41.70	
TL	78.70	

2 - 2.0 HK
1 - 4.0

Ø	25.000
TL	68.00

TL	150.0	146.0
OD	84.6	84.6
FT	4.0	
FD	90.5	



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 19.50 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43241 43241A	R 43229	P 42167	B 43229	LSF 43229 LSX 43229
				Surface Treatment: None
REFERENCE NO. MD131615 MD131612	REFERENCE NO. MD071206 MD078209/309 MD127017/22 MD136692		REFERENCE NO. MD060467	REFERENCE NO.

TEIKIN NO.: LKSF 43241, LKSX 43241, LKSF 43241A, LKSX 43241A

81

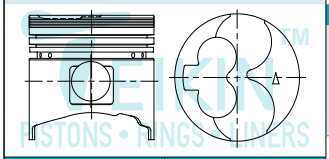
4D65 — 1795 cc — 4 cyl.

Ø	80.60	-2.3
CD	41.90	
TL	78.90	

2 - 2.0 HK
1 - 4.0

Ø	25.000
TL	68.00

TL	150.0	146.0
OD	84.6	84.6
FT	4.0	
FD	90.5	



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 19.50 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43264 43264A (43650)	R 43229	P 42167	B 43229	LSF 43229 LSX 43229
				Surface Treatment: None
REFERENCE NO.	REFERENCE NO. MD071206 MD078209/309 MD127017/22 MD136692		REFERENCE NO. MD060467	REFERENCE NO.

TEIKIN NO.: LKSF 43264, LKSX 43264, LKSF 43264A, LKSX 43264A

82

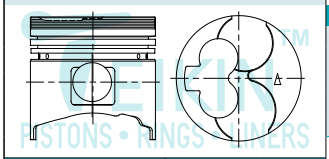
4D65-II — 1800 cc — 4 cyl.

Ø	80.60	-2.3
CD	41.90	
TL	78.90	

1 - 2.0 HK
1 - 2.0
1 - 4.0

Ø	25.000
TL	68.00

TL	150.0	146.0
OD	84.6	84.6
FT	4.0	
FD	90.5	



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 19.50 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43286 43286A	R 43229	P 42167	B 43229	LSF 43229 LSX 43229
				Surface Treatment: None
REFERENCE NO. MD061985	REFERENCE NO. MD071206 MD078209/309 MD127017/22 MD136692		REFERENCE NO. MD060467	REFERENCE NO.

TEIKIN NO.: LKSF 43286, LKSX 43286, LKSF 43286A, LKSX 43286A

83

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

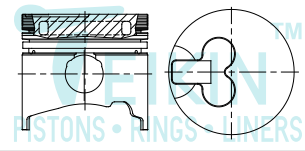
4D68T — 1998 cc — 4 cyl.

Ø	82.70	-1.5
CD	39.30	
TL	76.30	

2 - 2.0 HK
1 - 3.0

Ø 25.000
TL 66.00

TL	170.0	165.0
OD	86.7	86.7
FT	5.0	
FD	90.7	



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43612 43612AG (43243)	R 43612	P 43612	B 43229	LFX 43612 LSF 43612 LSX 43612
				Surface Treatment: None
REFERENCE NO. MD194157	REFERENCE NO. MD197187		REFERENCE NO. MD060467	REFERENCE NO.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 10.00 mm

TEIKIN NO.
LKFX 43612
LKSF 43612
LKSX 43612
LKFX 43612AG
LKSF 43612AG
LKSX 43612AG

84

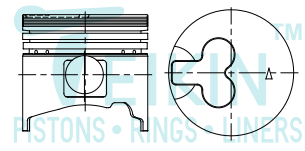
4D68 — 1998 cc — 4 cyl.

Ø	82.70	-1.9
CD	39.40	
TL	76.30	

1 - 2.0 HK
1 - 2.0
1 - 3.0

Ø 25.000
TL 67.00

TL	170.0	165.0
OD	86.7	86.7
FT	5.0	
FD	90.7	



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43613 43613A (43240)	R 43613	P 39157	B 43229	LFX 43612 LSF 43612 LSX 43612
				Surface Treatment: None
REFERENCE NO. MD194163 MD194168	REFERENCE NO. MD197162		REFERENCE NO. MD060467	REFERENCE NO.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 20.00 mm

TEIKIN NO.
LKFX 43613
LKSF 43613
LKSX 43613
LKFX 43613A
LKSF 43613A
LKSX 43613A

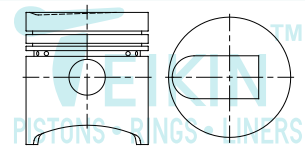
85

4DQ5 — 2084 cc — 4 cyl.

Ø	84.00	-1.8
CD	45.30	
TL	92.30	

1 - 2.5
1 - 2.0
1 - 4.0

Ø 25.000
TL 70.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43687	R 43687	P G0118	B 43687
REFERENCE NO. 30617-57105	REFERENCE NO. 30617-51011		REFERENCE NO.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm MP: 25.00 mm

86

4N15 — 2442 cc — 4 cyl.

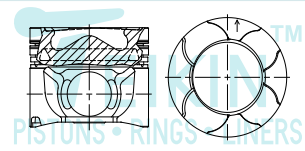
L200
MONTERO SPORT
PAJERO SPORT
2015

Ø	86.00	-16.5
CD	47.80	
TL	71.50	

1 - 2.0 HK
1 - 1.5
1 - 2.0

Ø 32.000
TL 70.00

TL	163.0	163.0
OD	89.0	89.0
FT	2.9	
FD	94.0	



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43301AG	R 43301	P 42185	LSF 43301 LSX 43301
			Surface Treatment: None
REFERENCE NO. 1110D114 1110D115 1110D116	REFERENCE NO. 1110C712		REFERENCE NO.

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown	MRC: 0.030 mm MP: 5.50 mm

TEIKIN NO.
LKSF 43301AG
LKSX 43301AG

87

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

4N15-II
L200, TRITON
STRADA, PAJERO SPORT
MONTERO SPORT
2015- 2019
4 cyl.

Ø 86.00	2 - 2.0 HK	Ø 32.000
-16.5		TL 70.00
CD 47.80		
TL 71.50	1 - 2.0	

TEIKIN NO.	TEIKIN NO.
43304AG	P 42185

REFERENCE NO.
1110D472
1110D473
1110D474

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 5.50 mm

88

4D55 / 4D56 — 2346 cc
L 300 D
HYUNDAI D4BX OLD
4 cyl.

Ø 91.10	1 - 2.5	Ø 29.000	TL 165.0	165.0
-2.8	1 - 2.0	TL 75.00	OD 94.2	94.2
CD 48.70			FT 2.0	
TL 88.75	1 - 4.0		FD 98.1	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43171	R 43171	P 43171	B 43171	LFX 43171
43171A				LSF 43171
				LSX 43171
				Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
MD050021	MD050395	MD050009
MD103318		
23410-42000		
23410-42010/20		

REFERENCE NO.
MD050430
MD103648
MD168963

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm
	MP: 19.00 mm

TEIKIN NO.
LKFX 43171
LKSF 43171
LKSX 43171
LKFX 43171A
LKSF 43171A
LKSX 43171A

89

4D56T — 2346 cc
L 300 D NEW
HYUNDAI TC (D4BF-T)
1980
4 cyl.

Ø 91.10	1 - 2.5 HK	Ø 29.000	TL 165.0	165.0
-2.8	1 - 2.0 HK	TL 75.00	OD 94.2	94.2
CD 48.70			FT 2.0	
TL 88.75	1 - 4.0		FD 98.1	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43173	R 43173	P 43171	B 43171	LFX 43171
43173A				LSF 43171
				LSX 43171
				Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
MD103308	1110A561	MD050009
MD050011	1110A562/3	
23410-42850	MD050390	
23410-42860/70	MD103391	

REFERENCE NO.
MD050430
MD103648
MD168963

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm
	MP: 19.00 mm

TEIKIN NO.
LKFX 43173
LKSF 43173
LKSX 43173
LKFX 43173A
LKSF 43173A
LKSX 43173A

90

4D56-II
4 cyl.

Ø 91.10	1 - 2.5	Ø 29.000	TL 165.0	165.0
-2.6	1 - 2.0	TL 75.00	OD 94.2	94.2
CD 48.70			FT 2.0	
TL 88.70	1 - 4.0		FD 98.1	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43285	R 43171	P 43171	B 43171	LFF 43171
				LFX 43171
				LSF 43171
				LSX 43171
				Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
MD304835	MD050395	MD050009
MD304834/36		
MD308437/39		
MD367334/35/36/40/41		

REFERENCE NO.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm
	MP: 19.00 mm

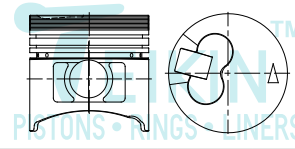
TEIKIN NO.
LKFF 43285
LKFX 43285
LKSF 43285
LKSX 43285

91

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET

4D56 LATE — 2476 cc — 4 cyl.

Ø	91.10	-2.7	1 - 2.5	1 - 2.0	Ø	29.000	TL	75.00		TL	165.0	165.0	TEIKIN NO.
CD	48.70									OD	94.2	94.2	LKFX 43291
TL	88.70		1 - 4.0							FT	2.0		LKSF 43291
										FD	98.1		LKSX 43291
													LKFX 43291A
													LKSF 43291A
													LKSX 43291A
TEIKIN NO.			TEIKIN NO.		TEIKIN NO.		TEIKIN NO.			TEIKIN NO.			
43291			R 43171		P 43171		B 43171			LFX 43171			
43291A										LSF 43171			
										LSX 43171			
										Surface Treatment			
										None			
REFERENCE NO.			REFERENCE NO.				REFERENCE NO.			REFERENCE NO.			
MD304838			MD050395				MD050009			MD050430			
										MD103648			
										MD168963			



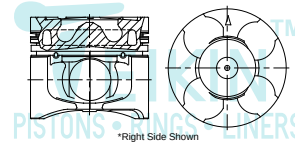
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 19.00 mm

92

4D56T CRDi-II — 2476 cc — 4 cyl.

NATIVA
L200
PAJERO SPORT
2010

Ø	91.10	-19.0	1 - 2.5 HK	1 - 2.0 HK	Ø	32.000	TL	75.00		TL	165.0	165.0	TEIKIN NO.
CD	48.20									OD	94.2	94.2	LKFX 43300AG
TL	78.20		1 - 3.0							FT	4.0		LKSF 43300AG
										FD	98.1		LKSX 43300AG
TEIKIN NO.			TEIKIN NO.		TEIKIN NO.		TEIKIN NO.			TEIKIN NO.			
43300AG			R 43300		P 43678		B 43672			LFX 43171			
										LSF 43171			
										LSX 43171			
										Surface Treatment			
										None			
REFERENCE NO.			REFERENCE NO.				REFERENCE NO.			REFERENCE NO.			
1110C313 (R/L)			1110B977							MD050430			
1110C314			1110B978							MD103648			
1110C315			1110B979							MD168963			
1110C316													
1110C317													

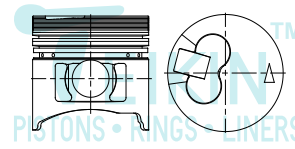


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 10.00 mm

93

4D56-T LATE-II — 2476 cc — 4 cyl.

Ø	91.10	-2.7	1 - 2.5 HK	1 - 2.0 HK	Ø	29.000	TL	75.00		TL	165.0	165.0	TEIKIN NO.
CD	48.70									OD	94.2	94.2	LKFX 43661
TL	88.70		1 - 4.0							FT	2.0		LKSF 43661
										FD	98.1		LKSX 43661
													LKFX 43661A
													LKSF 43661A
													LKSX 43661A
TEIKIN NO.			TEIKIN NO.		TEIKIN NO.		TEIKIN NO.			TEIKIN NO.			
43661			R 43173		P 43171		B 43171			LFX 43171			
43661A										LSF 43171			
										LSX 43171			
										Surface Treatment			
										None			
REFERENCE NO.			REFERENCE NO.				REFERENCE NO.			REFERENCE NO.			
MD304850			1110A561				MD050009			MD050430			
MD304847			1110A562/3							MD103648			
			MD050390							MD168963			
			MD103391										



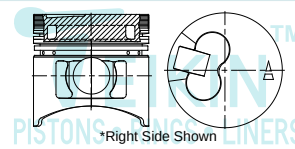
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 19.00 mm

94

4D56-T LATE — 2476 cc — 4 cyl.

HYUNDAI D4BH TCI

Ø	91.10	-2.7	1 - 2.5 HK	1 - 2.0 HK	Ø	29.000	TL	75.00		TL	165.0	165.0	TEIKIN NO.
CD	48.70									OD	94.2	94.2	LKFX 43242AG
TL	88.70		1 - 4.0							FT	4.0		LKSF 43242AG
										FD	98.1		LKSX 43242AG
TEIKIN NO.			TEIKIN NO.		TEIKIN NO.		TEIKIN NO.			TEIKIN NO.			
43242AG			R 43173		P 43171		B 43171			LFX 43171			
										LSF 43171			
										LSX 43171			
										Surface Treatment			
										None			
REFERENCE NO.			REFERENCE NO.				REFERENCE NO.			REFERENCE NO.			
MD304853 (R)			1110A561				MD050009			MD050430			
MD304859 (L)			1110A562/3							MD103648			
23410-42170 (R)			MD050390							MD168963			
23430-42170 (L)			MD103391										
MD367637 (R)													



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 18.90 mm

95

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

4D55T/4D56T-II — 2476 cc — 4 cyl.

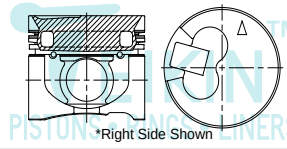
Ø	91.10	-2.6
CD	48.70	
TL	78.70	

1 - 2.5 HK
1 - 2.0 HK
1 - 4.0

Ø 32.000
TL 75.00

	FLANGED	NO FLANGE
TL	165.0	165.0
OD	94.2	94.2
FT	2.0	
FD	98.1	

TEIKIN NO.
LKFX 43672AG
LKSF 43672AG
LKSX 43672AG


*Right Side Shown

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43672AG	R 43173	P 43678	B 43672	LFX 43171 LSF 43171 LSX 43171
				Surface Treatment: None
REFERENCE NO. MR984128/30 (R/L) MD377962 MD377963 MD377965 MD377966	REFERENCE NO. 1110A561 1110A562/3 MD050390 MD103391		REFERENCE NO.	REFERENCE NO. MD050430 MD103648 MD168963

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.040 mm MP: 10.00 mm

96

4D56T CRDi — 2477 cc — 4 cyl.

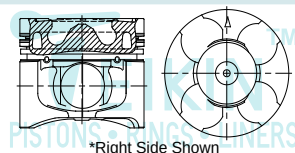
Ø	91.10	-19.0
CD	48.20	
TL	78.20	

1 - 2.5 HK
1 - 2.0 HK
1 - 4.0

Ø 32.000
TL 75.00

	FLANGED	NO FLANGE
TL	165.0	165.0
OD	94.2	94.2
FT	2.0	
FD	98.1	

TEIKIN NO.
LKFX 43678AG
LKSF 43678AG
LKSX 43678AG


*Right Side Shown

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43678AG	R 43173	P 43678	B 43672	LFX 43171 LSF 43171 LSX 43171
				Surface Treatment: None
REFERENCE NO. 1110A593 (R/L) 1110A594 1110A595 1110A596	REFERENCE NO. 1110A561 1110A562/3 MD050390 MD103391		REFERENCE NO.	REFERENCE NO. MD050430 MD103648 MD168963

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown	MRC: 0.040 mm MP: 10.00 mm

97

4DR5 — 2659 cc — 4 cyl.
T-210
1971

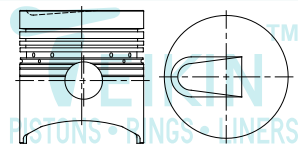
Ø	92.00	-3.8
CD	52.50	
TL	99.65	

1 - 2.5 HK
2 - 2.0
1 - 4.5

Ø 28.000
TL 76.80

	NO FLANGE
TL	176.0
OD	95.0

TEIKIN NO.
LKFX 43157
LKSX 43157



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43157	R 43157	P 43157	B 43157	LFX 43157 LSX 43157
				Surface Treatment: None
REFERENCE NO. 31617-00104 31617-00106	REFERENCE NO. 31617-02012/3 31617-05102/3 ME999073		REFERENCE NO. 31619-00700 31619-00792	REFERENCE NO. 31607-02202

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 25.00 mm

98

4DR51/4DR5 LATE — 2659 cc — 4 cyl.

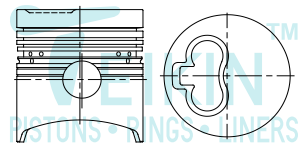
Ø	92.00	-2.4
CD	52.70	
TL	99.70	

1 - 2.5 HK
2 - 2.0
1 - 4.5

Ø 28.000
TL 77.00

	NO FLANGE
TL	176.0
OD	95.0

TEIKIN NO.
LKFX 43609
LKSX 43609



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43609 (43238)	R 43157	P 43609	B 43157	LFX 43157 LSX 43157
				Surface Treatment: None
REFERENCE NO. MD002044 ME002044	REFERENCE NO. 31617-02012/3 31617-05102/3 ME999073		REFERENCE NO. 31619-00700 31619-00792	REFERENCE NO. 31607-02202

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 24.70 mm

99

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

S4E — **2610 cc** — 4 cyl.

Ø	94.00	-3.5
CD	51.50	
TL	98.50	

1 - 2.5 HK
1 - 2.0
1 - 4.5

Ø	28.000
TL	77.00

TL		168.0
OD		98.0

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43655 43655A	R 43655	P 43609	B 43157	LSX 43655	LKSX 43655 LKSX 43655A

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.170 mm MP: 13.00 mm

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.	
34417-20101 34417-04101	34417-11011 34417-02012		31619-00700 31619-00792	34407-00301 34407-00302	

100

S4S — **3331 cc** — 4 cyl.

Ø	94.00	-4.7
CD	55.00	
TL	89.80	

1 - 2.5 HK
1 - 2.0
1 - 4.5

Ø	30.000
TL	76.50

TL	185.0	190.0
OD	98.0	98.0
FT	4.0	
FD	101.9	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43682	R 43655	P 43682	B 43682	LSF 43682 LSX 43682	LKSF 43682 LKSX 43682

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 12.00 mm

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.	
32A17-00100	34417-11011 34417-02012			32A07-00300	

101

S6E — **2610 cc** — 6 cyl.

Ø	94.00	-3.5
CD	51.50	
TL	98.50	

1 - 2.5 HK
1 - 2.0
1 - 4.5

Ø	28.000
TL	77.00

TL		168.0
OD		98.0

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.	TEIKIN NO.
43655-6	R 43655-6	P 43609		LSX 43655-6	LKSX 43655-6

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.170 mm MP: 13.00 mm

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.			REFERENCE NO.	
34417-20101 34417-04101	34417-11011 34417-02012			34407-00301 34407-00302	

102

S6S — **4996 cc** — 6 cyl.

Ø	94.00	-4.7
CD	55.00	
TL	89.80	

1 - 2.5 HK
1 - 2.0
1 - 4.5

Ø	30.000
TL	76.50

TL	185.0	190.0
OD	98.0	98.0
FT	4.0	
FD	101.9	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43682-6	R 43655-6	P 43682	B 43682	LSF 43682 LSX 43682	LKSF 43682-6 LKSX 43682-6

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 12.00 mm

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.	
32A17-00100	34417-11011 34417-02012			32A07-00300	

103

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

4M40-T — 2835 cc — 4 cyl.

Ø 95.00	1 - 2.5 FK	Ø 30.000		TL	186.0	186.0	TEIKIN NO.
-3.0	1 - 2.0	TL 78.00		OD	99.0	99.0	LKFX 43232
CD 51.60				FT	2.5		LKSF 43232
TL 91.60	1 - 4.0			FD	104.6		LKSX 43232
							LKFX 43232A
							LKSF 43232A
							LKSX 43232A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			LKFX 43232AG
43232	R 43232	P 43232	B 43232	LFX 43232			LKSF 43232AG
43232A				LSF 43232			LKSX 43232AG
43232AG				LSX 43232			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
ME200689	ME201522		ME201016	ME200685			
ME200688	ME202380			ME99919			
ME200690	ME202950						
ME204029	ME997256/894						
ME204030							

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm
Anodized Crown	MP: 19.00 mm

104

4DR7 — 2835 cc — 4 cyl.

Ø 95.00	1 - 2.7 FK	Ø 30.000		TL		180.0	TEIKIN NO.
-2.3	1 - 2.0	TL 78.00		OD		98.0	LKFX 43610
CD 52.60							LKSX 43610
TL 94.60	1 - 4.0						LKFX 43610A
							LKSX 43610A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
43610	R 43232	P 43232	B 43232	LFX 43610			
43610A				LSX 43610			
(43239)				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
ME021861	ME201522		ME201016	ME997798			
	ME202380						
	ME202950						
	ME997256/894						

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm
	MP: 20.50 mm

105

4M40-T-II — 2835 cc — 4 cyl.

Ø 95.00	1 - 2.3 FK	Ø 30.000		TL	186.0	186.0	TEIKIN NO.
-2.7	1 - 2.0	TL 78.00		OD	99.0	99.0	LKFX 43670AG
CD 51.60				FT	2.5		LKSF 43670AG
TL 91.60	1 - 3.0			FD	104.6		LKSX 43670AG
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
43670AG	R 43670	P 43232	B 43232	LFX 43232			
				LSF 43232			
				LSX 43232			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
ME203223	ME190317		ME201016	ME200685			
ME203224	ME202148			ME99919			
ME203225	ME202848						

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm
Anodized Crown	MP: 18.50 mm

106

4M40 — 2835 cc — 4 cyl.

Ø 95.00	1 - 2.3 FK	Ø 30.000		TL	186.0	186.0	TEIKIN NO.
-3.1	1 - 2.0	TL 78.00		OD	99.0	99.0	LKFX 43673A
CD 51.70				FT	2.5		LKSF 43673A
TL 91.70	1 - 4.0			FD	104.6		LKSX 43673A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
43673A	R 43232	P 43232	B 43232	LFX 43232			
				LSF 43232			
				LSX 43232			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
ME200680/1/2	ME201522		ME201016	ME200685			
ME201780/1/2	ME202380			ME99919			
	ME202950						
	ME997256/894						

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm
Anodized Crown	MP: 19.50 mm

107

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

4M42-0AT — 2977 cc — 4 cyl.

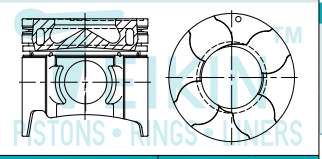
Ø	95.00	-18.1
CD	47.00	
TL	87.00	

1 - 2.3 FK
1 - 2.0
1 - 3.0

Ø 32.000
TL 80.00

	FLANGED	NO FLANGE
TL	186.0	186.0
OD	99.0	99.0
FT	2.5	
FD	104.6	

TEIKIN NO.
LKFX 43681AG
LKSF 43681AG
LKSX 43681AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43681AG	R 43670	P G1106	B 43663	LFX 43232 LSF 43232 LSX 43232
				Surface Treatment: None
REFERENCE NO. ME190902 ME190903 ME190904 ME190905 ME190906	REFERENCE NO. ME190317 ME202148 ME993211 ME993212		REFERENCE NO. ME203868	REFERENCE NO. ME200685 ME99919

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.090 mm MP: 20.00 mm

108

S4E2 — 2960 cc — 4 cyl.

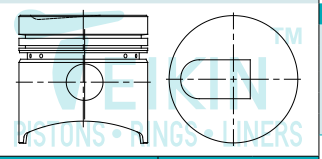
Ø	98.00	-3.5
CD	51.50	
TL	98.50	

1 - 3.0 HK
1 - 2.0
1 - 5.0

Ø 28.000
TL 77.00

	FLANGED	NO FLANGE
TL	170.0	168.5
OD	101.0	102.0
FT	4.0	
FD	103.0	

TEIKIN NO.
LKSF 43688
LKSX 43688



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43688	R 43688	P 43157	B 43688	LSF 43688 LSX 43688
				Surface Treatment: None
REFERENCE NO. 34417-54100	REFERENCE NO. 34417-09012		REFERENCE NO.	REFERENCE NO. 34407-00500 34407-05400

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 25.00 mm

109

6DS7 — 5430 cc — 6 cyl.
FUSO T-653

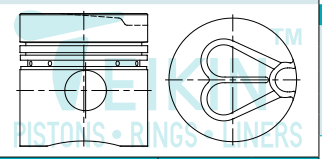
Ø	98.00	-9.4
CD	60.70	
TL	105.20	

1 - 3.0 HK
1 - 2.0
1 - 5.0

Ø 32.000
TL 82.00

TL	201.0
OD	110.0
FT	10.0 + 0.9
FD	117.0

TEIKIN NO.
LKFF 43115



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43115	R 43115	P 43115	B 43115	LFF 43115
				Surface Treatment: None
REFERENCE NO. ME024402 ME023274 ME024407	REFERENCE NO. ME021861 ME023333 ME024409		REFERENCE NO. ME020448 ME020449	REFERENCE NO. ME021843

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 16.50 mm

110

6DS7 NEW — 5430 cc — 6 cyl.
FUSO T-653

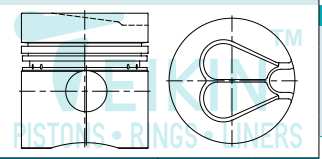
Ø	98.00	-9.4
CD	60.70	
TL	105.20	

1 - 3.0 HK
1 - 2.0
1 - 5.0

Ø 32.000
TL 82.00

TL	206.0
OD	110.0
FT	10.0 + 1.1
FD	117.0

TEIKIN NO.
LKFF 43115N



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43115N	R 43115	P 43115	B 43115	LFF 43115N
				Surface Treatment: None
REFERENCE NO. ME024402 ME023274 ME024407	REFERENCE NO. ME021861 ME023333 ME024409		REFERENCE NO. ME020448 ME020449	REFERENCE NO. ME029081 ME029187

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 16.50 mm

111

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

4M41-T — 3200 cc — 4 cyl.

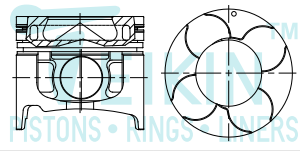
Ø	98.50	-20.7
CD	47.00	
TL	87.00	

1 - 2.5 FK
1 - 1.5
1 - 3.0

Ø	32.000
TL	78.00

TL	170.5	170.5
OD	102.5	102.5
FT	4.0	
FD	105.5	

TEIKIN NO. LKSF 43663AG, LKSX 43663AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43663AG	R 43663	P 52107	B 43663	LSF 43663, LSX 43663

Surface Treatment: None

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown	MRC: 0.060 mm MP: 18.00 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
ME191469 ME191470 ME191471 1110C623/4/5	ME203533		ME203868	

112

4D30 OLD — 3300 cc — 4 cyl.

FE
1979

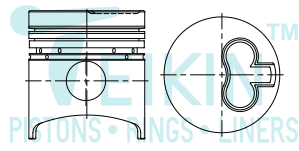
Ø	100.00	-2.7
CD	60.50	
TL	110.45	

1 - 3.0 HK
1 - 2.0
1 - 5.0

Ø	34.000
TL	83.50

TL	197.0	197.0
OD	104.0	104.0
FT	5.0	
FD	109.0	

TEIKIN NO. LKSF 43164, LKSX 43164, LKSF 43164A, LKSX 43164A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43164 43164A	R 43166	P 39138	B 43683	LSF 43166 LSX 43166

Surface Treatment: None

Surface Treatment	Bore Clearance
None	MRC: 0.100 mm MP: 26.70 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
ME012051 ME012090	ME012010 ME012070		ME012203 ME012249 ME012255 ME012257	ME011513

113

4D30 — 3300 cc — 4 cyl.

CANTER 2T, 3T
FE 83

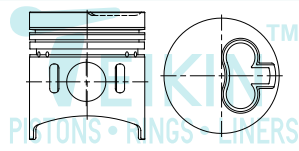
Ø	100.00	-2.8
CD	60.40	
TL	110.40	

1 - 3.0 HK
1 - 2.0
1 - 5.0

Ø	34.000
TL	83.50

TL	197.0	197.0
OD	104.0	104.0
FT	5.0	
FD	109.0	

TEIKIN NO. LKSF 43166, LKSX 43166, LKSF 43166A, LKSX 43166A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43166 43166A	R 43166	P 39138	B 43683	LSF 43166 LSX 43166

Surface Treatment: None

Surface Treatment	Bore Clearance
None	MRC: 0.050 mm MP: 26.00 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
ME012100 ME012001-3 ME012115	ME012010 ME012070		ME012203 ME012249 ME012255 ME012257	ME011513

114

4D31 / 4D31T — 3300 cc — 4 cyl.

PS 100

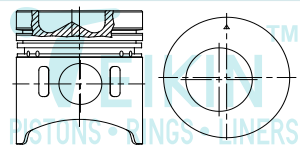
Ø	100.00	-18.3
CD	60.70	
TL	110.70	

1 - 3.0 HK
1 - 2.0
1 - 5.0

Ø	34.000
TL	83.50

TL	191.0	191.0
OD	104.0	104.0
FT	5.0	
FD	109.0	

TEIKIN NO. LKFX 43168, LKSF 43168, LKSX 43168, LKFX 43168A, LKSF 43168A, LKSX 43168A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43168 43168A	R 43166	P 39138	B 43683	LFX 43168 LSF 43168 LSX 43168

Surface Treatment: None

Surface Treatment	Bore Clearance
None	MRC: 0.070 mm MP: 26.80 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
ME012131 ME012145 ME012160	ME012010 ME012070		ME012203 ME012249 ME012255 ME012257	ME011523 ME011604

115

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

4D31 T — 3298 cc — 4 cyl.

Ø	100.00	-18.0
CD	60.70	
TL	110.70	

1 - 3.0 HK
1 - 2.0
1 - 5.0

Ø 34.000
TL 84.50

TL	191.0	191.0
OD	104.0	104.0
FT	5.0	
FD	109.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43617 43617A (43255)	R 43166	P 39138	B 43683	LFX 43168 LSF 43168 LSX 43168
				Surface Treatment: None
REFERENCE NO. ME012906	REFERENCE NO. ME012010 ME012070		REFERENCE NO. ME012203 ME012249 ME012255 ME012257	REFERENCE NO. ME011523 ME011604

TEIKIN NO.
LKFX 43617
LKSF 43617
LKSX 43617
LKFX 43617A
LKSF 43617A
LKSX 43617A

Surface Treatment: Tin Coated
Bore Clearance: MRC: 0.050 mm, MP: 25.00 mm

116

6D31 / 6D31T — 4948 cc — 6 cyl.

Ø	100.00	-18.3
CD	60.70	
TL	110.70	

1 - 3.0 HK
1 - 2.0
1 - 5.0

Ø 34.000
TL 83.50

TL	191.0	191.0
OD	104.0	104.0
FT	5.0	
FD	109.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43168-6 43168A-6	R 43168-6	P 39138	B 43168-6	LSF 43168-6 LSX 43168-6
				Surface Treatment: None
REFERENCE NO. ME012131 ME012145 ME012160	REFERENCE NO. ME999717		REFERENCE NO. ME012257	REFERENCE NO. ME011626

TEIKIN NO.
LKSF 43168-6
LKSX 43168-6
LKSF 43168A-6
LKSX 43168A-6

Surface Treatment: None
Bore Clearance: MRC: 0.070 mm, MP: 26.80 mm

117

4D31-T LATE — 3298 cc — 4 cyl.

Ø	100.00	-17.5
CD	60.70	
TL	110.70	

1 - 3.0 HK
1 - 2.0
1 - 4.0

Ø 34.000
TL 84.00

TL	191.0	191.0
OD	104.0	104.0
FT	5.0	
FD	109.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43664A	R 43664	P 43664	B 43170	LFX 43168 LSF 43168 LSX 43168
				Surface Treatment: None
REFERENCE NO. ME012858 ME012859 ME012860 ME012861 ME012862	REFERENCE NO. ME012848 ME997396 ME997398 ME999783		REFERENCE NO. ME012234	REFERENCE NO. ME011523 ME011604

TEIKIN NO.
LKFX 43664A
LKSF 43664A
LKSX 43664A

Surface Treatment: Tin Coated
Bore Clearance: MRC: 0.130 mm, MP: 27.00 mm

118

4D34 — 3907 cc — 4 cyl.
PS 120

Ø	104.00	-20.5
CD	62.20	
TL	112.20	

1 - 3.0 FK
1 - 2.0
1 - 4.0

Ø 34.000
TL 83.50

TL	200.0	200.0
OD	108.0	108.0
FT	4.0	
FD	113.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43170 43170A	R 43170	P 39138	B 43170	LFX 43170 LSF 43170 LSX 43170
				Surface Treatment: None
REFERENCE NO. ME012928 ME012900 ME012901	REFERENCE NO. ME997240 ME996566		REFERENCE NO. ME012234	REFERENCE NO. ME013366

TEIKIN NO.
LKFX 43170
LKSF 43170
LKSX 43170
LKFX 43170A
LKSF 43170A
LKSX 43170A

Surface Treatment: Tin Coated
Bore Clearance: MRC: 0.050 mm, MP: 27.50 mm

119

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

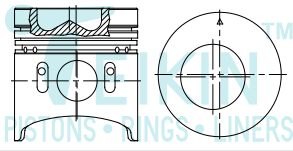
4D32 — 3567 cc — 4 cyl.

Ø	104.00	-18.9
CD	60.70	
TL	110.70	

1 - 3.0 HK
1 - 2.0
1 - 4.0

Ø 34.000
TL 83.50

TL	197.0	197.0	TEIKIN NO.
OD	108.0	108.0	LKFX 43227
FT	4.0		LKSF 43227
FD	113.0		LKSX 43227
			LKFX 43227A
			LKSF 43227A
			LKSX 43227A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43227	R 43227	P 39138	B 43683	LFX 43227
43227A				LSF 43227
				LSX 43227
				Surface Treatment: None
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
ME012174	ME999641		ME012203	ME012900
ME012178	ME997318		ME012249	
ME012180	ME999243		ME012255	
			ME012257	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 27.00 mm

120

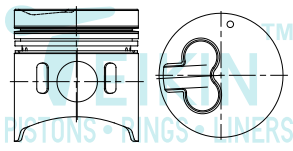
4D36 — 3567 cc — 4 cyl.

Ø	104.00	-4.6
CD	60.60	
TL	110.60	

1 - 2.8 FK
1 - 2.0
1 - 4.0

Ø 34.000
TL 83.50

TL	197.0	197.0	TEIKIN NO.
OD	108.0	108.0	LKFX 43280
FT	4.0		LKSF 43280
FD	113.0		LKSX 43280
			LKFX 43280A
			LKSF 43280A
			LKSX 43280A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43280	R 43170	P 39138	B 43170	LFX 43227
43280A				LSF 43227
				LSX 43227
				Surface Treatment: None
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
ME018283	ME997240		ME012234	ME012900
	ME996566			

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.050 mm MP: 26.50 mm

121

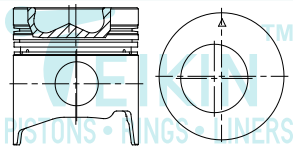
4D34T — 3907 cc — 4 cyl.

Ø	104.00	-20.6
CD	62.20	
TL	112.20	

1 - 3.0 FK
1 - 2.0
1 - 4.0

Ø 36.000
TL 88.00

TL	200.0	200.0	TEIKIN NO.
OD	108.0	108.0	LKFX 43605
FT	4.0		LKSF 43605
FD	113.0		LKSX 43605
			LKFX 43605A
			LKSF 43605A
			LKSX 43605A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43605	R 43170	P 43608	B 43293	LFX 43170
43605A				LSF 43170
(43252)				LSX 43170
				Surface Treatment: None
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
ME014160	ME997240		ME013075	ME013366
	ME996566			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.090 mm MP: 27.00 mm

122

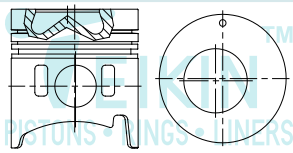
4D32 LATE — 3567 cc — 4 cyl.

Ø	104.00	-20.8
CD	62.30	
TL	112.30	

1 - 3.0 FK
1 - 2.0
1 - 4.0

Ø 34.000
TL 83.50

TL	197.0	197.0	TEIKIN NO.
OD	108.0	108.0	LKFX 43619
FT	4.0		LKSF 43619
FD	113.0		LKSX 43619
			LKFX 43619A
			LKSF 43619A
			LKSX 43619A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43619	R 43170	P 39138	B 43170	LFX 43227
43619A				LSF 43227
(43260)				LSX 43227
				Surface Treatment: None
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
ME018277	ME997240		ME012234	ME012900
	ME996566			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 28.00 mm

123

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

4D32 NEW — 3567 cc — 4 cyl.

Ø	104.00	-18.9
CD	60.70	
TL	110.70	

1 - 3.0 FK
1 - 2.0
1 - 4.0

Ø	34.000
TL	83.50

TL	197.0		197.0
OD		108.0	108.0
FT	4.0		
FD		113.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43666 43666A	R 43170	P 39138	B 43170	LFX 43227 LSF 43227 LSX 43227
				Surface Treatment: None
REFERENCE NO. ME018274	REFERENCE NO. ME997240 ME996566		REFERENCE NO. ME012234	REFERENCE NO. ME012900

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 27.00 mm

TEIKIN NO.
LKFX 43666
LKSF 43666
LKSX 43666
LKFX 43666A
LKSF 43666A
LKSX 43666A

124

4D34T NEW — 3907 cc — 4 cyl.
HYUNDAI D4DB

Ø	104.00	-22.9
CD	62.20	
TL	112.10	

1 - 2.8 FK
1 - 2.0
1 - 4.0

Ø	36.000
TL	88.00

TL	200.0		200.0
OD		108.0	108.0
FT	4.0		
FD		113.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43293 43293A 43293AG	R 43170	P 43608	B 43293	LSF 43170 LSX 43170
				Surface Treatment: None
REFERENCE NO. ME220470 ME011143 23411-45700	REFERENCE NO. ME997240 ME996566		REFERENCE NO. ME013075	REFERENCE NO. ME013366

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.140 mm MP: 27.00 mm

TEIKIN NO.
LKSF 43293
LKSX 43293
LKSF 43293A
LKSX 43293A
LKSF 43293AG
LKSX 43293AG

125

4D34T-II — 3907 cc — 4 cyl.

Ø	104.00	-20.5
CD	62.20	
TL	112.20	

1 - 2.8 FK
1 - 2.0
1 - 4.0

Ø	36.000
TL	88.00

TL	200.0		200.0
OD		108.0	108.0
FT	4.0		
FD		113.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43693A	R 43170	P 43608	B 43293	LFX 43170 LSF 43170 LSX 43170
				Surface Treatment: None
REFERENCE NO. ME013325	REFERENCE NO. ME997240 ME996566		REFERENCE NO. ME013075	REFERENCE NO. ME013366

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 27.00 mm

TEIKIN NO.
LKFX 43693A
LKSF 43693A
LKSX 43693A

126

6D34T — 5861 cc — 6 cyl.

Ø	104.00	-20.6
CD	62.20	
TL	112.20	

1 - 2.8 FK
1 - 2.0
1 - 4.0

Ø	36.000
TL	88.00

TL	200.0		200.0
OD		108.0	108.0
FT	4.0		
FD		113.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43605-6 43605A-6	R 43605-6	P 43608	B 43605-6	LSX 43605-6
				Surface Treatment: None
REFERENCE NO. ME014160	REFERENCE NO. ME996442		REFERENCE NO.	REFERENCE NO. ME012900 ME013366

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.090 mm MP: 27.00 mm

TEIKIN NO.
LKSX 43605-6
LKSX 43605A-6

127

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

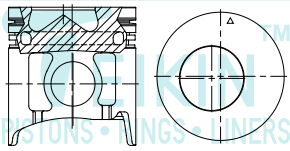
6D34.2AT — 5861 cc — 6 cyl.
6D34.3AT

Ø	104.00
	-19.7
CD	62.20
TL	112.20

	1 - 3.0 FK
	1 - 2.0
	1 - 4.0

Ø	36.000
TL	88.00

TL	200.0	200.0
OD	108.0	108.0
FT	4.0	
FD	113.0	



PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
TEIKIN NO. 43701AG	TEIKIN NO. R 43605-6	TEIKIN NO. P 43608	TEIKIN NO. B 43605-6	TEIKIN NO. LSF 43605-6 LSX 43605-6 Surface Treatment None		TEIKIN NO. LKSF 43701AG LKSX 43701AG
REFERENCE NO. ME220454	REFERENCE NO. ME996442		REFERENCE NO.	REFERENCE NO. ME012900 ME013366		

Surface Treatment: Tin Coated
Bore Clearance: MRC: 0.120 mm, MP: 20.00 mm

128

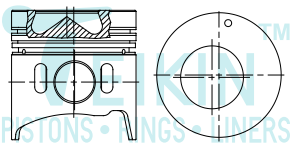
4D33 — 4214 cc — 4 cyl.

Ø	108.00
	-20.7
CD	62.20
TL	112.20

	1 - 3.0
	1 - 2.0
	1 - 4.0

Ø	34.000
TL	83.50

TL	205.0	200.0
OD	112.0	112.0
FT	5.0	
FD	117.0	



PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
TEIKIN NO. 43244 43244A	TEIKIN NO. R 43244	TEIKIN NO. P 39138	TEIKIN NO. B 43170	TEIKIN NO. LFX 43244 LSF 43244 LSX 43244 Surface Treatment None		TEIKIN NO. LKFX 43244 LKSF 43244 LKSX 43244 LKFX 43244A LKSF 43244A LKSX 43244A
REFERENCE NO. ME016895 ME018280	REFERENCE NO. ME999871 ME996378		REFERENCE NO. ME012234	REFERENCE NO. ME013333		

Surface Treatment: Tin Coated
Bore Clearance: MRC: 0.080 mm, MP: 27.00 mm

129

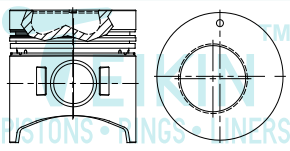
4D33-III — 4 cyl.

Ø	108.00
	-20.5
CD	62.10
TL	112.10

	1 - 3.0
	1 - 2.0
	1 - 4.0

Ø	34.000
TL	83.50

TL	205.0	200.0
OD	112.0	112.0
FT	5.0	
FD	117.0	



PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
TEIKIN NO. 43299A	TEIKIN NO. R 43244	TEIKIN NO. P 39138	TEIKIN NO. B 43170	TEIKIN NO. LFX 43244 LSF 43244 LSX 43244 Surface Treatment None		TEIKIN NO. LKFX 43299A LKSF 43299A LKSX 43299A
REFERENCE NO. ME012897 ME013312	REFERENCE NO. ME999871 ME996378		REFERENCE NO. ME012234	REFERENCE NO. ME013333		

Surface Treatment: Tin Coated
Bore Clearance: MRC: 0.080 mm, MP: 26.50 mm

130

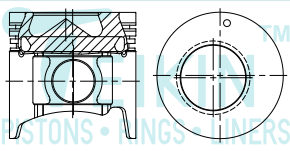
4D35 — 4561 cc — 4 cyl.

Ø	110.00
	-21.4
CD	59.80
TL	109.60

	1 - 3.0
	1 - 2.5
	1 - 4.0

Ø	36.000
TL	88.00

TL	205.0	200.0
OD	114.0	114.0
FT	5.0	
FD	119.0	



PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
TEIKIN NO. 43608 43608A 43608AG (43237)	TEIKIN NO. R 43608	TEIKIN NO. P 43608	TEIKIN NO. B 43293	TEIKIN NO. LFX 43608 LSF 43608 LSX 43608 Surface Treatment None		TEIKIN NO. LKFX 43608 LKSF 43608 LKSX 43608 LKFX 43608A LKSF 43608A LKSX 43608A LKFX 43608AG LKSF 43608AG LKSX 43608AG
REFERENCE NO. ME018825 ME012941	REFERENCE NO. ME996628		REFERENCE NO. ME013075	REFERENCE NO. ME013678		

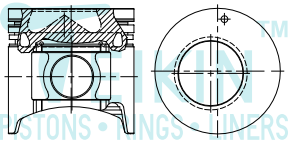
Surface Treatment: Tin Coated
Bore Clearance: MRC: 0.100 mm, MP: 26.50 mm

131

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET

4D35 / 4D35T — 4561 cc — 4 cyl.

Ø 110.00	-21.5	1 - 3.0	Ø 36.000		TL	205.0	200.0	TEIKIN NO.
		1 - 2.0	TL 88.00		OD	114.0	114.0	LKFX 43691AG
CD 59.70					FT	5.0		LKSF 43691AG
TL 109.60		1 - 4.0			FD	119.0		LKSX 43691AG
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
43691AG		R 43691	P 43608	B 43293	LFX 43608 LSF 43608 LSX 43608			
					Surface Treatment			
					None			
REFERENCE NO.		REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
ME014693		ME995214		ME013075	ME013678			

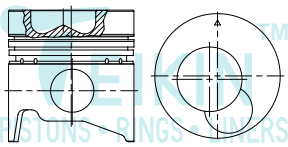


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 26.50 mm

132

6D14 — 6557 cc — 6 cyl.
FUSO FR

Ø 110.00	-20.9	1 - 3.0 HK	Ø 38.000		TL	206.0		TEIKIN NO.
		1 - 2.5	TL 90.00		OD	121.95		LKFF 43102
CD 71.10					FT	10.0 + 1.4		LKSF 43102
TL 116.10		1 - 5.0			FD	130.65		LKFF 43102A
								LKSF 43102A
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
43102 43102A		R 43102	P 43102	B 43102	LFF 43102 LSF 43102			
					Surface Treatment			
					None			
REFERENCE NO.		REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
ME032626		ME032071/260		ME032014	ME031453/63			
ME033908		ME032404/58		ME032015	ME031508/10			
ME032216/98		ME033904		ME033943	ME031617/18			
ME032619/21		ME997423/39			ME071174/98			

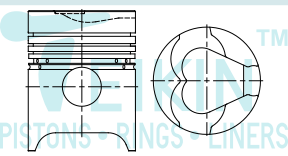


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.130 mm MP: 22.00 mm

133

6DB NEW — 8550 cc — 6 cyl.

Ø 110.00	-12.0	1 - 3.5	Ø 40.000		TL	270.0		TEIKIN NO.
		2 - 2.5	TL 95.00		OD	125.9		LKFF 43107
CD 77.50					FT	11.82		LKFF 43107A
TL 152.50		1 - 5.0			FD	134.5		
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
43107 43107A		R 43107	P 43107	B 43107	LFF 43107			
					Surface Treatment			
					None			
REFERENCE NO.		REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
30017-82101		30017-71002/3		30019-20601	30007-62200			
30017-90100		30017-73002			ME040040			
30017-93101		30017-75002/3						

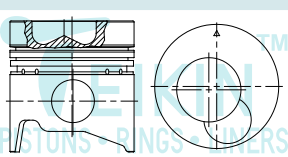


Surface Treatment	Bore Clearance
None	MRC: 0.100 mm MP: 37.00 mm

134

6D14.A — 6 cyl.

Ø 110.00	-21.0	1 - 3.0 HK	Ø 38.000		TL	206.0		TEIKIN NO.
		1 - 2.5	TL 90.00		OD	121.95		LKFF 43289
CD 71.10					FT	10.0 + 1.4		LKSF 43289
TL 116.10		1 - 5.0			FD	130.65		
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
43289		R 43102	P 43102	B 43102	LFF 43102 LSF 43102			
					Surface Treatment			
					None			
REFERENCE NO.		REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
ME032654		ME032071/260		ME032014	ME031453/63			
ME032656		ME032404/58		ME032015	ME031508/10			
ME033916		ME033904		ME033943	ME031617/18			
		ME997423/39			ME071174/98			



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.140 mm MP: 10.00 mm

135

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

6D14-T — 6557 cc — 6 cyl.

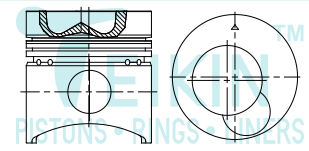
Ø	110.00 / -20.0
CD	71.10
TL	116.10

	1 - 3.0 HK
	1 - 2.5
	1 - 5.0

Ø	38.000
TL	90.00

TL	206.0
OD	121.95
FT	10.0 + 1.4
FD	130.65

TEIKIN NO.
LKFF 43615
LKSF 43615
LKFF 43615A
LKSF 43615A



PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**	**TEIKIN NO.**	**TEIKIN NO.**
43615 **43615A** **(43253)**	**R 43102**	**P 43102**	**B 43102**	**LFF 43102** **LSF 43102**
REFERENCE NO.	**REFERENCE NO.**		**REFERENCE NO.**	**REFERENCE NO.**
ME032569	ME032071/260 ME032404/58 ME033904 ME997423/39		ME032014 ME032015 ME033943	ME031453/63 ME031508/10 ME031617/18 ME071174/98

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.120 mm MP: 10.00 mm

136

6D14-T.2A — 6557 cc — 6 cyl.

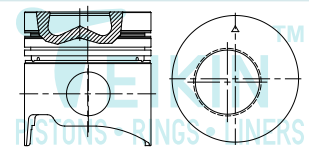
Ø	110.00 / -20.6
CD	71.10
TL	116.10

	1 - 3.0
	1 - 2.5
	1 - 4.0

Ø	38.000
TL	90.00

TL	206.0
OD	121.95
FT	10.0 + 1.4
FD	130.65

TEIKIN NO.
LKFF 43665A
LKSF 43665A



PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**	**TEIKIN NO.**	**TEIKIN NO.**
43665A	**R 43665**	**P 43102**	**B 43223**	**LFF 43102** **LSF 43102**
REFERENCE NO.	**REFERENCE NO.**		**REFERENCE NO.**	**REFERENCE NO.**
ME072170 ME072064 ME072172	ME999952 ME999927		ME072128	ME031453/63 ME031508/10 ME031617/18 ME071174/98

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.130 mm MP: 20.00 mm

137

6D14-T-II — 6557 cc — 6 cyl.

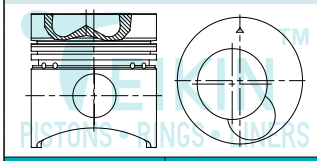
Ø	110.00 / -20.3
CD	71.20
TL	116.10

	1 - 3.0 HK
	1 - 2.5
	1 - 5.0

Ø	38.000
TL	90.00

TL	206.0
OD	121.95
FT	10.0 + 1.4
FD	130.65

TEIKIN NO.
LKFF 43668A
LKSF 43668A



PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**	**TEIKIN NO.**	**TEIKIN NO.**
43668A	**R 43102**	**P 43102**	**B 43102**	**LFF 43102** **LSF 43102**
REFERENCE NO.	**REFERENCE NO.**		**REFERENCE NO.**	**REFERENCE NO.**
ME032742	ME032071/260 ME032404/58 ME033904 ME997423/39		ME032014 ME032015 ME033943	ME031453/63 ME031508/10 ME031617/18 ME071174/98

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.120 mm MP: 10.00 mm

138

6D14.3AT — 6557 cc — 6 cyl.

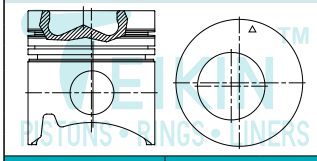
Ø	110.00 / -21.5
CD	71.10
TL	116.10

	1 - 2.8 FK
	1 - 2.5
	1 - 4.0

Ø	38.000
TL	90.00

TL	210.0
OD	121.95
FT	10.0 + 1.4
FD	130.65

TEIKIN NO.
LKFF 43684A



PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**	**TEIKIN NO.**	**TEIKIN NO.**
43684A	**R 43684**	**P 43684**	**B 43223**	**LFF 43684**
REFERENCE NO.	**REFERENCE NO.**		**REFERENCE NO.**	**REFERENCE NO.**
ME072047	ME997465		ME072128	ME071175 ME071199

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.140 mm MP: 22.00 mm

139

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

6D15 — 6919 cc — 6 cyl.

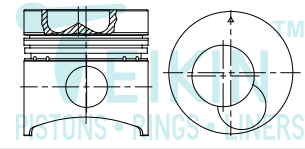
Ø	113.00	-21.2
CD	71.10	
TL	116.10	

1 - 3.0 HK
1 - 2.5
1 - 5.0

Ø	38.000
TL	90.00

TL	206.0
OD	124.99
FT	10.0 + 1.5
FD	132.85

TEIKIN NO.
LKFF 43104
LKFF 43104A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43104 43104A	R 43104	P 43102	B 43102	LFF 43104

Surface Treatment
None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.130 mm MP: 21.50 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
ME032661 ME072033 ME072035 ME033934	ME032403 ME072306		ME032014 ME032015 ME033943	ME031654 ME031656 ME071041 ME071063

140

6D15-II — 6919 cc — 6 cyl.

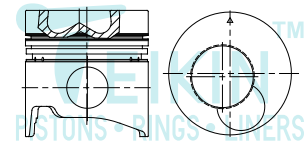
Ø	113.00	-21.2
CD	71.10	
TL	116.10	

1 - 3.0 HK
1 - 2.5
1 - 5.0

Ø	38.000
TL	90.00

TL	211.0
OD	125.0
FT	10.0 + 1.5
FD	132.8

TEIKIN NO.
LKFF 43283
LKFF 43283A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43283 43283A	R 43104	P 43102	B 43102	LFF 43283

Surface Treatment
None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.130 mm MP: 21.50 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
ME032870 ME032871	ME032403 ME072306		ME032014 ME032015 ME033943	ME071062 ME071063 ME071064

141

6D15.3AT — 6919 cc — 6 cyl.

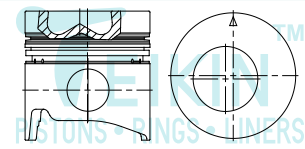
Ø	113.00	-21.4
CD	71.10	
TL	116.10	

1 - 2.8 FK
1 - 2.5
1 - 4.0

Ø	38.000
TL	92.00

TL	206.0
OD	116.99
FT	8.0 + 1.5
FD	125.0

TEIKIN NO.
LKFF 43675A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43675A	R 43675	P 43675	B 43223	LFF 43675*

Surface Treatment
*Phosphate (PH)

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.120 mm MP: 16.00 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
ME072055	ME997456 ME997466 ME999929 ME999954		ME072128	ME047574 ME071086/87 ME071088/89 ME071090/91/92

142

6D15-III — 6919 cc — 6 cyl.

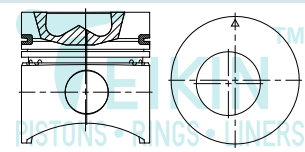
Ø	113.00	-21.3
CD	70.80	
TL	115.80	

1 - 3.0 HK
1 - 2.5
1 - 5.0

Ø	38.000
TL	90.00

TL	206.0
OD	124.99
FT	10.0 + 1.5
FD	132.85

TEIKIN NO.
LKFF 43686A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43686A	R 43104	P 43684	B 43102	LFF 43104

Surface Treatment
None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.140 mm MP: 20.00 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
ME032593 ME032480 ME032634 ME033963	ME032403 ME072306		ME032014 ME032015 ME033943	ME031654 ME031656 ME071041

143

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

4M50T — 4899 cc — 4 cyl.

Ø	114.00
	-21.0
CD	59.10
TL	99.10

1 - 3.0 FK
1 - 2.0
1 - 4.0

Ø	38.000
TL	92.50

	FLANGED	NO FLANGE
TL	199.0	199.0
OD	118.0	118.0
FT	6.0	
FD	123.8	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43685AG	R 43685	P 43105	B 43685	LSF 43685* LSX 43685

Surface Treatment: *Phosphate (PH)

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
ME224532 ME224533	ME993913		ME221709	

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown	MRC: 0.190 mm MP: 15.00 mm

TEIKIN NO.: LKSF 43685AG, LKSX 43685AG

144

4M51T — 5249 cc — 4 cyl.

Ø	118.00
	-22.0
CD	59.10
TL	99.10

1 - 3.0
1 - 2.0
1 - 4.0

Ø	34.000
TL	84.00

	FLANGED	NO FLANGE
TL	195.0	190.0
OD	122.0	122.0
FT	5.0	
FD	127.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43683 43683A 43683AG	R 43683	P 43683	B 43683	LSF 43674 LSX 43674

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
ME241686 ME241688	ME995591/2/3		ME012203 ME012249 ME012255 ME012257	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.120 mm MP: 17.00 mm

TEIKIN NO.: LKSF 43683, LKSX 43683, LKSF 43683A, LKSX 43683A, LKSF 43683AG, LKSX 43683AG

145

4M51 — 5249 cc — 4 cyl.

Ø	118.00
	-23.3
CD	59.10
TL	99.10

1 - 3.0
1 - 2.0
1 - 3.0

Ø	34.000
TL	83.50

	FLANGED	NO FLANGE
TL	195.0	190.0
OD	122.0	122.0
FT	5.0	
FD	127.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43674A	R 43674	P 39138	B 43683	LSF 43674 LSX 43674

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
ME240047 ME240316	ME995113 ME995114 ME995115		ME012203 ME012249 ME012255 ME012257	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.120 mm MP: 14.50 mm

TEIKIN NO.: LKSF 43674A, LKSX 43674A

146

6D16 — 7545 cc — 6 cyl.

Ø	118.00
	-22.0
CD	71.10
TL	116.10

1 - 3.0
1 - 2.5
1 - 4.0

Ø	38.000
TL	92.50

	FLANGED	NO FLANGE
TL	205.0	
OD	122.0	
FT	8.0	
FD	128.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43105 43105A	R 43105	P 43105	B 43105	LFF 43105* LSF 43105

Surface Treatment: *Phosphate (PH)

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
ME072062	ME999540 ME999955		ME035380 ME035381 ME072126	ME071224 ME071226/7/8 ME071230

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 20.10 mm

TEIKIN NO.: LKFF 43105, LKSF 43105, LKFF 43105A, LKSF 43105A

147

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

6D16-T — 7545 cc — 6 cyl.

Ø	118.00	-23.0
CD	71.10	
TL	116.10	

1 - 2.8 FK
1 - 2.5
1 - 4.0

Ø	38.000
TL	92.50

TL	206.0
OD	122.0
FT	8.0 + 1.5
FD	128.0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.120 mm MP: 22.00 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43223 43223A	R 43223	P 43105	B 43223	LFF 43223* LSF 43223
				Surface Treatment: *Phosphate (PH)
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
ME072065	ME996591 ME997467 ME997999 ME999549		ME072128	ME041102 ME041105 ME041107

TEIKIN NO.: LKFF 43223, LKSF 43223, LKFF 43223A, LKSF 43223A

148

6D17-1A — 8201 cc — 6 cyl.

Ø	118.00	-23.1
CD	66.10	
TL	111.10	

1 - 3.0
1 - 2.5
1 - 4.0

Ø	38.000
TL	92.50

TL	209.0
OD	122.0
FT	8.0
FD	127.9

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 19.00 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
43267 43267A	R 43105	P 43105	B 43223	LFF 43267*
				Surface Treatment: *Phosphate (PH)
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
ME072576	ME999540 ME999955		ME072128	ME071125 ME071537 ME071538 ME071543 ME071937

TEIKIN NO.: LKFF 43267, LKFF 43267A

149

6D16-1AT2 — 7545 cc — 6 cyl.

Ø	118.00	-22.3
CD	71.10	
TL	116.10	

1 - 3.0 FK
1 - 2.5
1 - 4.0

Ø	38.000
TL	92.50

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.120 mm MP: 22.00 mm

TEIKIN NO.	TEIKIN NO.
43265A	P 43105
REFERENCE NO.	
ME072316	

150

6D16-2A — 7545 cc — 6 cyl.

Ø	118.00	-21.1
CD	71.10	
TL	116.00	

1 - 3.0
1 - 2.5
1 - 4.0

Ø	38.000
TL	92.50

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 19.00 mm

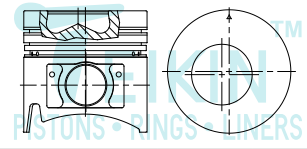
TEIKIN NO.	TEIKIN NO.
43266A	P 43105
REFERENCE NO.	
ME072574	

151

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

6D16-1A — 7545 cc — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 118.00 -21.5 CD 71.10 TL 116.10	1 - 3.0 1 - 2.5 1 - 4.0	Ø 38.000 TL 92.50				
TEIKIN NO. 43268A		TEIKIN NO. P 43105				
REFERENCE NO. ME072326						



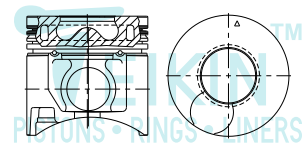
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 20.10 mm

152

6M60 — 7545 cc — 6 cyl.

FUSO FIGHTER FN 62 F
(2017 - PRESENT)

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 118.00 -23.4 CD 71.00 TL 116.00	1 - 2.8 FK 1 - 2.5 1 - 4.0	Ø 42.000 TL 93.00		TL 210.5 OD 122.0 FT 8.0 + 1.5 FD 127.9		TEIKIN NO. LKFF 43305AG
TEIKIN NO. 43305AG	TEIKIN NO. R 43223	TEIKIN NO. P 43305	TEIKIN NO. B 43305	TEIKIN NO. LFF 43305 Surface Treatment None		
REFERENCE NO. ME133275 ME133276 ME133274	REFERENCE NO. ME996591 ME997467 ME997999 ME999549		REFERENCE NO. ME130950	REFERENCE NO. ME071940 ME302325		

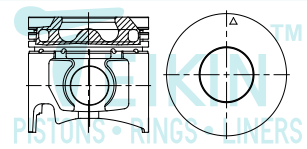


Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.080 mm MP: 20.00 mm

153

6M61 — 8201 cc — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 118.00 -23.8 CD 66.10 TL 111.20	1 - 3.0 1 - 2.0 1 - 4.0	Ø 38.000 TL 93.00		TL 209.0 OD 122.0 FT 8.0 FD 127.9		TEIKIN NO. LKFF 43695AG
TEIKIN NO. 43695AG	TEIKIN NO. R 43695	TEIKIN NO. P 43695	TEIKIN NO. B 43223	TEIKIN NO. LFF 43267* Surface Treatment *Phosphate (PH)		
REFERENCE NO. ME131937	REFERENCE NO. ME995562 ME995568		REFERENCE NO. ME072128	REFERENCE NO. ME071125 ME071537 ME071538 ME071543		

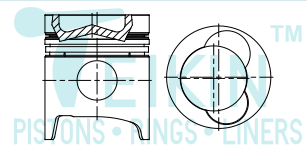


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 20.00 mm

154

6D22-T — 11149 cc — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 130.00 -21.7 CD 83.10 TL 158.10	1 - 3.5 FK 1 - 3.0 1 - 4.0	Ø 50.000 TL 105.00				
TEIKIN NO. 43274 43274A		TEIKIN NO. P 43274				
REFERENCE NO. ME052540						



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.180 mm MP: 39.50 mm

155

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

6D22 — 11149 cc — 6 cyl.

Ø	-26.3	1 - 3.5 FK	Ø	50.000		TL	262.0		TEIKIN NO.
		1 - 3.0	TL	105.00		OD	147.0		LKFF 43614
CD	82.90					FT	11.5 + 1.8		LKFF 43614A
TL	158.00	1 - 6.0				FD	156.0		
TEIKIN NO.		**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		**TEIKIN NO.**		
43614		R 43614	P 43274		B 43614		LFF 43614		
43614A									
(43251)							**Surface Treatment**		
							None		
REFERENCE NO.		**REFERENCE NO.**			**REFERENCE NO.**		**REFERENCE NO.**		
ME052447		ME052124			ME052158/9		ME051217		
ME052448		ME052787			ME052603/60		ME051500		
ME052449		30917-20010			30319-00600		ME051501		
					30319-00690		ME051502		

Surface Treatment: Tin Coated — **Bore Clearance:** MRC: 0.180 mm, MP: 39.50 mm

156

6D22 -T-II — 11149 cc — 6 cyl.

Ø	-23.3	1 - 3.5 FK	Ø	50.000		TL	262.0		TEIKIN NO.
		1 - 3.0	TL	105.00		OD	147.0		LKFF 43699A
CD	83.10					FT	11.5 + 1.8		
TL	158.20	1 - 6.0				FD	156.0		
TEIKIN NO.		**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		**TEIKIN NO.**		
43699A		R 43614	P 39624		B 43614		LFF 43614		
							Surface Treatment		
							None		
REFERENCE NO.		**REFERENCE NO.**			**REFERENCE NO.**		**REFERENCE NO.**		
ME052665		ME052124			ME052158/9		ME051217		
		ME052787			ME052603/60		ME051500		
		30917-20010			30319-00600		ME051501		
					30319-00690		ME051502		

Surface Treatment: Tin Coated — **Bore Clearance:** MRC: 0.190 mm, MP: 39.50 mm

157

8DC8 — 14886 cc — 8 cyl.

Ø	-23.0	1 - 4.0 HK	Ø	45.000		TL	229.3		TEIKIN NO.
		1 - 3.0	TL	108.00		OD	154.0		LKFF 43618
CD	78.00					FT	11.8 + 1.0		LKFF 43618A
TL	142.80	1 - 6.0				FD	163.0		
TEIKIN NO.		**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		**TEIKIN NO.**		
43618		R 43618	P 43618		B 43618		LFF 43618		
43618A									
(43259)							**Surface Treatment**		
							Chromed O.D.		
REFERENCE NO.		**REFERENCE NO.**			**REFERENCE NO.**		**REFERENCE NO.**		
ME062287		ME062086			31219-70600		31207-72183		
		31217-60012							

Surface Treatment: Tin Coated — **Bore Clearance:** MRC: 0.170 mm, MP: 18.00 mm

158

8DC91-T — 16031 cc — 8 cyl.

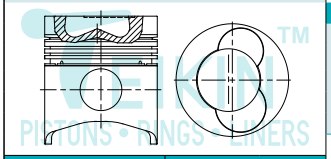
Ø	-24.3	1 - 3.5 FK	Ø	50.000		TL	260.0		TEIKIN NO.
		2 - 3.0	TL	111.50		OD	154.0		LKFF 43275A
CD	88.10					FT	11.8 + 1.2		
TL	153.00	1 - 4.0				FD	163.0		
TEIKIN NO.		**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		**TEIKIN NO.**		
43275A		R 43275	P 43275		B 43275		LFF 43275		
							Surface Treatment		
							Chromed O.D.		
REFERENCE NO.		**REFERENCE NO.**			**REFERENCE NO.**		**REFERENCE NO.**		
ME090163		ME090578			ME062310		ME061782		
ME091048					31219-34300				
					31219-34390				

Surface Treatment: Tin Coated — **Bore Clearance:** MRC: 0.120 mm, MP: 34.25 mm

159

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

8DC9 — 16031 cc — 8 cyl.

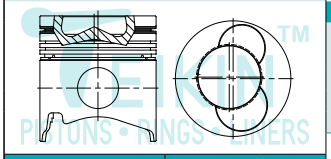


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.130 mm MP: 10.00 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 135.00 -26.0 CD 88.00 TL 153.00	1 - 3.3 FK 2 - 3.0 1 - 6.0	Ø 50.000 TL 112.00		TL 260.0 OD 154.0 FT 11.8 + 1.2 FD 163.0			TEIKIN NO. **LKFF 43660A**
TEIKIN NO. **43660A**	TEIKIN NO. **R 43660**	TEIKIN NO. **P 43660**	TEIKIN NO. **B 43275**		TEIKIN NO. **LFF 43275** Surface Treatment Chromed O.D.		
REFERENCE NO. ME062408	REFERENCE NO. ME062018 ME062230		REFERENCE NO. ME062310 31219-34300 31219-34390		REFERENCE NO. ME061782		

160

8DC11 — 16752 cc — 8 cyl.



Surface Treatment	Bore Clearance
	MRC: 0.190 mm MP: 40.00 mm

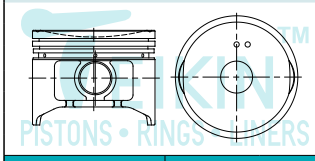
PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 142.00 -25.3 CD 88.10 TL 153.10	1 - 3.3 HK 2 - 3.0 1 - 4.0	Ø 50.000 TL 112.00		TL 259.5 OD 154.0 FT 201.3 + 1.7 FD 163.0			TEIKIN NO. **LKFF 43659A**
TEIKIN NO. **43659A**	TEIKIN NO. **R 43659**	TEIKIN NO. **P 43659**	TEIKIN NO. **B 43275**		TEIKIN NO. **LFF 43659** Surface Treatment Chromed O.D.		
REFERENCE NO. ME091050	REFERENCE NO. 30617-50111 ME090586 ME999990		REFERENCE NO. ME062310 31219-34300 31219-34390		REFERENCE NO. ME060439 ME060440 ME060441		

161

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

MA10 — 987 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 68.00	2 - 1.5	Ø 17.000					
-3.8		TL 58.00					
CD 26.50							
TL 52.50	1 - 2.8						
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**					
44600	**R 44600**	**P 44600**					
(44304)							
REFERENCE NO.	**REFERENCE NO.**						
12010-01B01/2/3	12033-01B00/5/10/11						
12010-24B02	12033-22B00						
	12033-23B00						
	12035-01B05/10						

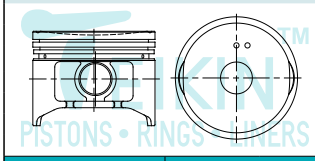


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 12.00 mm

1

MA10-II — 987 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 68.00	2 - 1.5	Ø 17.000					
-2.1		TL 58.00					
CD 26.50							
TL 52.50	1 - 2.8						
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**					
44650	**R 44600**	**P 44600**					
(44319)							
REFERENCE NO.	**REFERENCE NO.**						
12010-10B06	12033-01B00/5/10/11						
	12033-22B00						
	12033-23B00						
	12035-01B05/10						

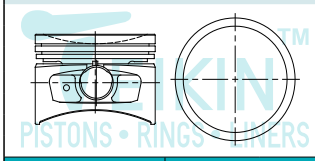


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 10.00 mm

2

CG13DE — 1275 cc — 4 cyl.
MICRA, MARCH
1993-2002
DOHC

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 71.00	1 - 1.2	Ø 18.000					
-5.5	1 - 1.5	TL 53.00					
CD 28.00							
TL 52.10	1 - 3.0						
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**					
44326	**R 44326**	**P 46332**					
REFERENCE NO.	**REFERENCE NO.**						
12010-99B15							

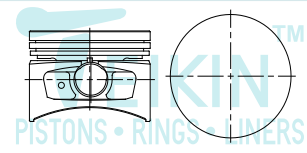


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.30 mm

3

CG10DE — 998 cc — 4 cyl.
MICRA, MARCH
1993-2002
DOHC

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 71.00	1 - 1.2	Ø 18.000					
	1 - 1.5	TL 53.00					
CD 28.00							
TL 52.10	1 - 3.0						
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**					
44327	**R 44687**	**P 46332**					
REFERENCE NO.	**REFERENCE NO.**						
12010-99B20	12033-41B00						
12010-99B21	12033-41B01						
12010-99B72	12035-41B00						
	12035-41B01						



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.30 mm

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

GA13 — 1295 cc — 4 cyl.

PISTON SET	RINGS	PIN
Ø 71.00	2 - 1.5	Ø 19.000
-2.8		TL 47.00
CD 32.60		
TL 53.60	1 - 2.8	
TEIKIN NO. 44609 (44301)	TEIKIN NO. R 44609	TEIKIN NO. P 44609
REFERENCE NO. A2010-72Y00/01, A2010-50Y00, A2010-50Y60	REFERENCE NO. 12033-05B05/10/11, 12033-50Y00, 12033-72Y00, 12035-05B05/10	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 6.85 mm

5

CG13DE-II — 1275 cc — 4 cyl.

PISTON SET	RINGS	PIN
Ø 71.00	1 - 1.2	Ø 18.000
-5.5	1 - 1.5	TL 58.00
CD 28.00		
TL 49.50	1 - 3.0	
TEIKIN NO. 44687	TEIKIN NO. R 44687	TEIKIN NO. P 46603
REFERENCE NO. 12010-41B01, 12010-44B00	REFERENCE NO. 12033-41B00, 12033-41B01, 12035-41B00, 12035-41B01	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 8.50 mm

6

MA12S — 1235 cc — 4 cyl.

MICRA
K10
(86-88)
SOHC 8V

PISTON SET	RINGS	PIN
Ø 71.00	2 - 1.5	Ø 17.000
-9.0		TL 58.00
CD 28.50		
TL 54.70	1 - 2.8	
TEIKIN NO. 44704	TEIKIN NO. R 44609	TEIKIN NO. P 44600
REFERENCE NO. 12010-18B65/71/72, 12010-05B01/01/02/03, 12010-05B04/05/06, 12010-18B02/03/61, 12010-18B62/63/64	REFERENCE NO. 12033-05B05/10/11, 12033-50Y00, 12033-72Y00, 12035-05B05/10	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 12.00 mm

7

CR12DE — 997 cc — 4 cyl.

MICRA
K12E
(05-)
DOHC 16V

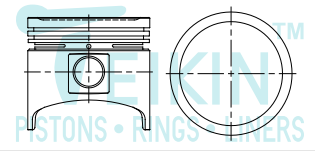
PISTON SET	RINGS	PIN
Ø 71.00	2 - 1.2	Ø 18.000
-2.6		TL 48.00
CD 28.40		
TL 47.20	1 - 2.0	
TEIKIN NO. 44705	TEIKIN NO. R 44705	TEIKIN NO. P 44705
REFERENCE NO. 12010-BX010, 12010-BX011, 12010-BX012, 12010-BX070	REFERENCE NO. 12033-BX000, 12035-BX000	

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown 1st RIng Anodized	MRC: 0.030 mm MP: 8.00 mm

8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET

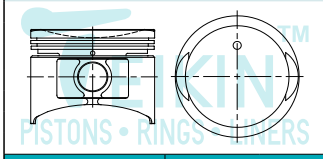
A12 1970 — **1237 cc** — 4 cyl.
SUNNY, CHERRY PE 10
PULSAR 1200TS



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.10 mm

PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 73.00 -1.5 CD 32.60 TL 67.40	2 - 2.0 1 - 4.0	Ø 17.450 TL 65.50		TL OD		122.0 77.0	TEIKIN NO. LKSX 44102
TEIKIN NO. 44102	TEIKIN NO. R 44102	TEIKIN NO. P 44256		TEIKIN NO. LSX 44102 Surface Treatment None			
REFERENCE NO. 12010-H1001 12010-H1011 12010-H1061	REFERENCE NO. 12033-A6200 12033-B3040 12033-H6200/1/11 13035-H6200/1			REFERENCE NO. 11012-H1000 11012-H1011			9

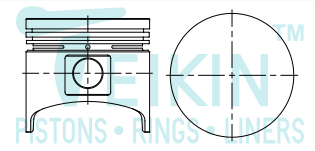
E10S, E10 — **980 cc** — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.50 mm

PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 73.00 -5.4 CD 28.00 TL 57.00	2 - 1.5 1 - 4.0	Ø 17.450 TL 62.00					
TEIKIN NO. 44122	TEIKIN NO. R 44122	TEIKIN NO. P 44122					
REFERENCE NO. 12010-41M02	REFERENCE NO. 12033-41M01/02 12033-60M00 12034-60M00 12035-41M01/2						10

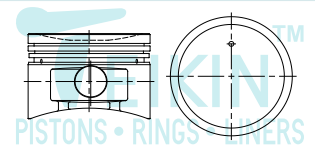
A10 — **988 cc** — 4 cyl.
DATSUN 1000



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 73.00 CD 32.50 TL 67.20	2 - 2.0 1 - 4.0	Ø 17.450 TL 65.50		TL OD		122.0 77.0	TEIKIN NO. LKSX 44256
TEIKIN NO. 44256	TEIKIN NO. R 44102	TEIKIN NO. P 44256		TEIKIN NO. LSX 44102 Surface Treatment None			
REFERENCE NO. 12010-18021 12010-H2301 12010-H2361/62 12010-H2364 12010-H2366	REFERENCE NO. 12033-A6200 12033-B3040 12033-H6200/1/11 13035-H6200/1			REFERENCE NO. 11012-H1000 11012-H1011			11

GA15DS-II — **1497 cc** — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 7.50 mm

PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 73.60 -4.0 CD 29.50 TL 52.50	2 - 1.5 1 - 2.8	Ø 19.000 TL 50.00					
TEIKIN NO. 44337		TEIKIN NO. P 48205					
REFERENCE NO. 12010-77A61							12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

GA15DS 1497 cc 4 cyl.

Ø 73.60 -4.8	2 - 1.5	Ø 19.000 TL 50.00				
CD 29.50 TL 51.90	1 - 2.8					
TEIKIN NO. 44610 (44302)	**TEIKIN NO.** R 44610	**TEIKIN NO.** P 48205				
REFERENCE NO. A2010-53Y00 A2010-53Y01	**REFERENCE NO.** 12033-53Y00 12033-87A00/10/11 12036-87A10/11 12038-87A10/11					

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 7.50 mm

13

GA14DS 1392 cc 4 cyl.

Ø 73.60 -3.1	2 - 1.5	Ø 19.000 TL 50.00		TL 140.0 OD 77.6		TEIKIN NO. LKSX 44614
CD 32.50 TL 55.00	1 - 2.8					
TEIKIN NO. 44614 (44307)	**TEIKIN NO.** R 44610	**TEIKIN NO.** P 48205		**TEIKIN NO.** LSX 44614		
REFERENCE NO. 12010-87A61	**REFERENCE NO.** 12033-53Y00 12033-87A00/10/11 12036-87A10/11 12038-87A10/11			**Surface Treatment** None **REFERENCE NO.**		

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 7.50 mm

14

GA14 1392 cc 4 cyl.

Ø 73.60 -4.3	2 - 1.5	Ø 19.000 TL 50.00		TL 140.0 OD 77.6		TEIKIN NO. LKSX 44669
CD 32.60 TL 55.00	1 - 2.8					
TEIKIN NO. 44669	**TEIKIN NO.** R 44610	**TEIKIN NO.** P 48205		**TEIKIN NO.** LSX 44614		
REFERENCE NO. A2010-73Y00	**REFERENCE NO.** 12033-53Y00 12033-87A00/10/11 12036-87A10/11 12038-87A10/11			**Surface Treatment** None **REFERENCE NO.**		

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 7.50 mm

15

QG15DE 1497 cc 4 cyl.

ALMERA
N16E
DOHC 16V
2002-

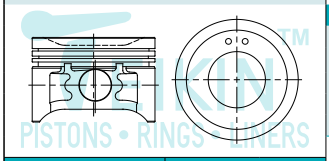
Ø 73.60 -4.8	2 - 1.2	Ø 19.000 TL 49.00				
CD 29.20 TL 51.60	1 - 2.5					
TEIKIN NO. 44677	**TEIKIN NO.** R 44677	**TEIKIN NO.** P 44677				
REFERENCE NO. A2010-BN900 A2010-BN901 A2010-BN902 A2010-BN972 A2010-BN974	**REFERENCE NO.** 12033-5M370 12036-5M370 12038-5M360					

Surface Treatment	Bore Clearance
Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 7.00 mm

16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

QG15 — 1497 cc — 4 cyl.



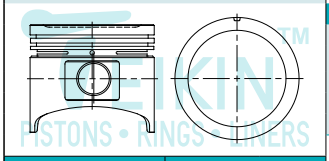
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 10.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 73.60 -4.9 CD 29.10 TL 51.60	2 - 1.5 1 - 2.8	Ø 18.990 TL 49.00				
TEIKIN NO. **44691**	TEIKIN NO. **R 44610**	TEIKIN NO. **P 44691**				
REFERENCE NO. 12010-7M600	REFERENCE NO. 12033-53Y00 12033-87A00/10/11 12036-87A10/11 12038-87A10/11					

17

A14S, A14 — 1397 cc — 4 cyl.

1978-81
SUNNY, CHERRY



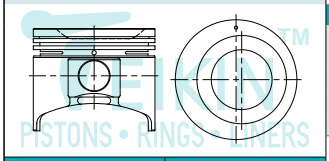
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 76.00 -1.1 CD 32.50 TL 67.40	2 - 2.0 1 - 4.0	Ø 19.000 TL 64.00		TL 138.0 OD 80.0		TEIKIN NO. **LKSX 44109**
TEIKIN NO. **44109**	TEIKIN NO. **R 44109**	TEIKIN NO. **P 43132**		TEIKIN NO. **LSX 44109** Surface Treatment None		
REFERENCE NO. 12010-H7511 12010-H7521/4/6 12010-H7561/4/6 12010-H7680/5	REFERENCE NO. 12033-H7200 12033-H8660 12033-H8900/10/20 1233-H9910			REFERENCE NO. 11012-H7200 11012-H7685 11012-H9700 11012-H9820		

18

A15S, A15 — 1487 cc — 4 cyl.

1980 SUNNY CHERRY



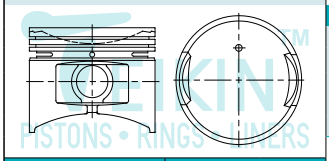
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 19.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 76.00 -6.5 CD 30.00 TL 64.90	1 - 1.2 1 - 2.0 1 - 4.0	Ø 19.000 TL 64.00		TL 138.0 OD 80.0		TEIKIN NO. **LKSX 44114**
TEIKIN NO. **44114**	TEIKIN NO. **R 44114**	TEIKIN NO. **P 43132**		TEIKIN NO. **LSX 44109** Surface Treatment None		
REFERENCE NO. 12010-G3421 12010-H9261 12010-G3411 12010-G3462	REFERENCE NO. 12033-H7680 12033-H9800/10/20 12033-H9915/18 12035-H9810/20			REFERENCE NO. 11012-H7200 11012-H7685 11012-H9700 11012-H9820		

19

E15S, E15 — 1487 cc — 4 cyl.

1981



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.75 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 76.00 -9.3 CD 31.75 TL 61.75	2 - 1.5 1 - 4.0	Ø 19.000 TL 62.00		TL 138.0 OD 80.0		TEIKIN NO. **LKSX 44125**
TEIKIN NO. **44125**	TEIKIN NO. **R 44125**	TEIKIN NO. **P 44259**		TEIKIN NO. **LSX 44125** Surface Treatment None		
REFERENCE NO. 12010-11M02 12010-19M02 12010-11M12 12010-11M22 12010-19M22	REFERENCE NO. 12033-01M01/2/3/4 12033-01M10/12/13 12033-17M00/10 12033-61A00/01			REFERENCE NO. 11012-11M00 11012-11M20		

20

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

GA16i, GA16DS — 1597 cc — 4 cyl.

PULSAR NX 12V
SENTRA NX 12V
1989-90
F.I., SOHC 12 V

Ø	76.00
	-5.3
CD	29.60
TL	53.90

2 - 1.5
1 - 2.8

Ø	19.000
TL	52.00

TL		140.0
OD		80.0

TEIKIN NO. LKSX 44258

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44258	R 44258	P 44258	LSX 44258

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 9.50 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
A2010-74Y00 A2010-74Y01 12010-54Y00 A2010-74Y02/ 8/ 9 12010-74Y00/ 1/ 2/ 8/ 9	12033-57Y00/01 12033-84A11 12033-94M00/1/2 12036-94M00/1/2	

21

E16i — 1597 cc — 4 cyl.

1987-88 PULSAR
1987-88 SENTRA
CARB, SOHC, 8 V

Ø	76.00
	-9.7
CD	32.60
TL	62.60

2 - 1.5
1 - 4.0

Ø	19.000
TL	62.00

TL		140.0
OD		80.0

TEIKIN NO. LKSX 44259

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44259	R 44125	P 44259	LSX 44259

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 14.25 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
12010-33M22 12010-31M02 12010-31M12	12033-01M01/2/3/4 12033-01M10/12/13 12033-17M00/10 12033-61A00/01	

22

GA16DE — 1597 cc — 4 cyl.

SENTRA
200SZ NX
F.I., DOHC 16V
1995-97

Ø	76.00
	-4.6
CD	29.50
TL	53.80

2 - 1.5
1 - 2.8

Ø	19.000
TL	52.00

TL		140.0
OD		80.0

TEIKIN NO. LKSX 44260

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44260	R 44258	P 44258	LSX 44258

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 9.50 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
A2010-74Y10 A2010-57Y00	12033-57Y00/01 12033-84A11 12033-94M00/1/2 12036-94M00/1/2	

23

E16 — 1597 cc — 4 cyl.

SENTRA 1.6 GEi, SGLi
SENTRA 1.6 GL, GLX, GXE
1987-1990

Ø	76.00
	-10.0
CD	32.50
TL	62.45

2 - 1.5
1 - 4.0

Ø	19.000
TL	62.00

TEIKIN NO.	TEIKIN NO.
44268	P 44259

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 15.50 mm

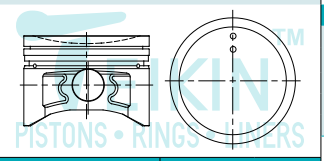
REFERENCE NO.

24

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

GA16DE-II — 1597 cc — 4 cyl.

1995-97
SENTRA, 200SX
F.I., DOHC 4, 16 V

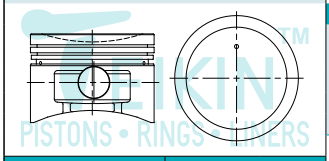


Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.020 mm MP: 12.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 76.00 -4.7 CD 29.70 TL 54.30	1 - 1.5 1 - 2.8	Ø 19.000 TL 52.00				
TEIKIN NO. **44270**		TEIKIN NO. **P 44258**				
REFERENCE NO. A2010-0M210						

25

GA16DS-II, GA16S — 1596 cc — 4 cyl.

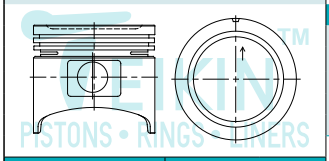


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 9.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 76.00 -5.4 CD 29.50 TL 54.00	2 - 1.5 1 - 2.8	Ø 19.000 TL 52.00		TL 140.0 OD 80.0		TEIKIN NO. **LKSX 44306**
TEIKIN NO. **44306**	TEIKIN NO. **R 44258**	TEIKIN NO. **P 44258**		TEIKIN NO. **LSX 44258** Surface Treatment None		
REFERENCE NO. 12010-94M61 12010-84A61	REFERENCE NO. 12033-57Y00/01 12033-84A11 12033-94M00/1/2 12036-94M00/1/2			REFERENCE NO.		

26

A14-II — 1397 cc — 4 cyl.

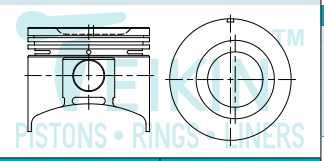


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 76.00 -2.3 CD 32.50 TL 67.50	2 - 2.0 1 - 4.0	Ø 19.000 TL 63.00		TL 138.0 OD 80.0		TEIKIN NO. **LKSX 44322**
TEIKIN NO. **44322**	TEIKIN NO. **R 44109**	TEIKIN NO. **P 44322**		TEIKIN NO. **LSX 44109** Surface Treatment None		
REFERENCE NO. 12010-H7201 12010-H7211 12010-H7711	REFERENCE NO. 12033-H7200 12033-H8660 12033-H8900/10/20 1233-H9910			REFERENCE NO. 11012-H7200 11012-H7685 11012-H9700 11012-H9820		

27

A15-II — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 19.00 mm

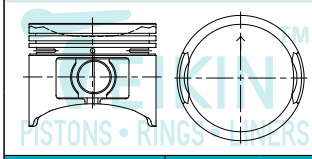
PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 76.00 -4.2 CD 30.00 TL 65.00	1 - 1.2 1 - 2.0 1 - 4.0	Ø 19.000 TL 62.00				
TEIKIN NO. **44324**		TEIKIN NO. **P 44259**				
REFERENCE NO. 12010-H9802						

28

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

E16-T — 1597 cc — 4 cyl.

SENTRA 1.6 GEI, SGLI
SENTRA 1.6 GL, GLX, GXE
1987-1990
TSURU 94-04
HIKARI, SAMURAI'87



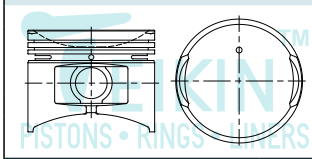
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.045 mm MP: 15.50 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 76.00 -8.0 CD 32.50 TL 62.45	2 - 1.5 1 - 4.0	Ø 19.000 TL 62.00				
TEIKIN NO. 44329		TEIKIN NO. P 44259				
REFERENCE NO. 12011B19GO						

29

E15-III — 1487 cc — 4 cyl.

1981-

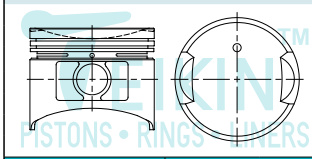


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.75 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 76.00 -10.3 CD 32.50 TL 62.40	2 - 1.5 1 - 4.0	Ø 19.000 TL 62.00		TL 138.0 OD 80.0		TEIKIN NO. LKSX 44355
TEIKIN NO. 44355	TEIKIN NO. R 44125	TEIKIN NO. P 44259		TEIKIN NO. LSX 44125 Surface Treatment None		
REFERENCE NO. 12010-15M02 12010-15M22	REFERENCE NO. 12033-01M01/2/3/4 12033-01M10/12/13 12033-17M00/10 12033-61A00/01			REFERENCE NO. 11012-11M00 11012-11M20		

30

E13 — 1270 cc — 4 cyl.

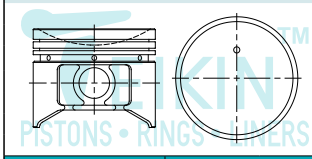


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.50 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 76.00 -7.0 CD 32.50 TL 62.50	2 - 1.5 1 - 4.0	Ø 19.000 TL 62.00		TL 140.0 OD 80.0		TEIKIN NO. LKSX 44611
TEIKIN NO. 44611 (44303)	TEIKIN NO. R 44125	TEIKIN NO. P 44259		TEIKIN NO. LSX 44259 Surface Treatment None		
REFERENCE NO. 12010-01M02 12010-01M12 12010-01M00 12010-01M22	REFERENCE NO. 12033-01M01/2/3/4 12033-01M10/12/13 12033-17M00/10 12033-61A00/01			REFERENCE NO.		

31

E15-T — 1487 cc — 4 cyl.



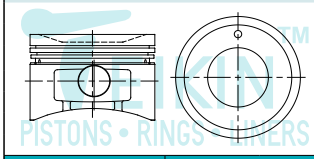
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 76.00 -10.0 CD 33.50 TL 61.00	2 - 1.5 1 - 4.0	Ø 19.000 TL 62.00		TL 138.0 OD 80.0		TEIKIN NO. LKSX 44668
TEIKIN NO. 44668	TEIKIN NO. R 44125	TEIKIN NO. P 44259		TEIKIN NO. LSX 44125 Surface Treatment None		
REFERENCE NO. 12010-17M12	REFERENCE NO. 12033-01M01/2/3/4 12033-01M10/12/13 12033-17M00/10 12033-61A00/01			REFERENCE NO. 11012-11M00 11012-11M20		

32

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

QG16 — 1597 cc — 4 cyl.

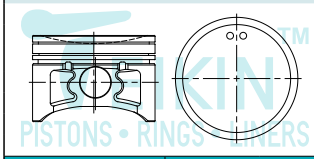


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 9.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 76.00 -4.8 CD 29.10 TL 53.60	2 - 1.5 1 - 2.8	Ø 19.000 TL 52.00		TL 140.0 OD 80.0		TEIKIN NO. LKSX 44688
TEIKIN NO. 44688	TEIKIN NO. R 44258	TEIKIN NO. P 44258		TEIKIN NO. LSX 44258 Surface Treatment None		
REFERENCE NO. 12010-D4011 A2010-8M510	REFERENCE NO. 12033-57Y00/01 12033-84A11 12033-94M00/1/2 12036-94M00/1/2			REFERENCE NO.		33

QG16DE — 1597 cc — 4 cyl.

PRIMERA
P11E
2000-01
DOHC 16V

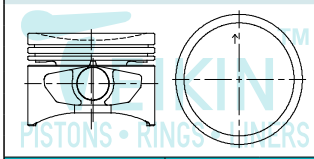


Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.030 mm MP: 10.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 76.00 -5.0 CD 29.10 TL 53.50	2 - 1.2 1 - 2.5	Ø 19.000 TL 52.00		TL 140.0 OD 80.0		TEIKIN NO. LKSX 44690
TEIKIN NO. 44690	TEIKIN NO. R 44121	TEIKIN NO. P 44258		TEIKIN NO. LSX 44258 Surface Treatment None		
REFERENCE NO. A2010-7J900/1/2 A2010-7J910/1/2 A2010-7J972/3/7/9	REFERENCE NO. 12033-01W60/1/2 12033-B3030 12033-B8200 12036-01W60/2			REFERENCE NO.		34

GA16DE-III — 1596 cc — 4 cyl.

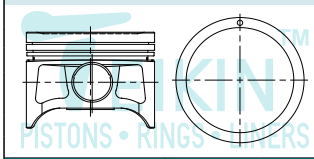
GA16DS



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 10.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 76.00 -4.2 CD 29.50 TL 54.00	2 - 1.5 1 - 3.0	Ø 19.000 TL 55.00		TL 140.0 OD 80.0		TEIKIN NO. LKSX 44695
TEIKIN NO. 44695	TEIKIN NO. R 44695	TEIKIN NO. P 44695		TEIKIN NO. LSX 44258 Surface Treatment None		
REFERENCE NO. 12010-71J00/1/2 12010-71J10/11/12 12010-71J13/14/15	REFERENCE NO. 12033-71J00/1 12036-71J00/1 12038-71J00/1			REFERENCE NO.		35

VQ20 — 1998 cc — 6 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 10.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 76.00 -0.9 CD 30.40 TL 58.20	2 - 1.2 1 - 2.5	Ø 22.000 TL 48.00				
TEIKIN NO. 44689	TEIKIN NO. R 44689	TEIKIN NO. P 44689				
REFERENCE NO. 12010-31U60 A2010-31U60	REFERENCE NO. 12033-31U00/1/10 12033-3Y501/11 12035-31U00/1/10 12035-3Y501/11					36

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

VQ20-II — 1995 cc — 6 cyl.

Ø 76.00	2 - 1.2	Ø 22.000					
-1.0		TL 48.00					
CD 30.40							
TL 58.10	1 - 2.5						
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**					
44693	**R 44689**	**P 44693**					
REFERENCE NO.	**REFERENCE NO.**						
A2010-1L000/1/2	12033-31U00/1/10						
A2010-1L071	12033-3Y501/11						
	12035-31U00/1/10						
	12035-3Y501/11						

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 12.00 mm

37

J15, J16 — 1483 cc — 4 cyl.

1970 DATSUN N521, N620, GABLIGHTPA 312, HOMMERMILLER T20, CARAVAN SE20, DATSUN 1500

Ø 77.95	2 - 2.0	Ø 21.000		TL 140.0	TEIKIN NO.
		TL 66.00		OD 82.0	LKSX 44121
CD 39.80					
TL 79.20	1 - 4.0				
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**	
44121	**R 44121**	**P 44121**		**LSX 44121**	
				Surface Treatment	
				None	
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**	
12010-E3002	12033-01W60/1/2			11012-B5101	
12010-01W02	12033-B3030			11012-B3000	
12010-01W12	12033-B8200			11012-E3000	
12010-E3001	12036-01W60/2				

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 20.30 mm

38

HR12DE — 1198 cc — 3 cyl.

MARCH
MICRA
K13K
(10-)
DOHC 12V

Ø 78.00	2 - 1.2	Ø 19.000					
+2.1		TL 53.50					
CD 28.90							
TL 49.50	1 - 2.0						
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**					
44351	**R 44351**	**P 44339**					
REFERENCE NO.	**REFERENCE NO.**						
12010-1HC0A	12033-1HC0B						
12010-1HC0B	12033-1HC0C						

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 6.30 mm

39

CA16 — 1598 cc — 4 cyl.

1981 AUSTER FX
STANZA FX

Ø 78.00	2 - 1.5	Ø 20.000		TL 140.0	TEIKIN NO.
+1.3		TL 62.00		OD 82.0	LKSX 44186
CD 30.00					
TL 66.20	1 - 4.0				
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**	
44186	**R 44186**	**P 38129**		**LSX 44186**	
				Surface Treatment	
				None	
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**	
12010-D1101/10	12033-06E00/1			11012-06E01	
12010-D1111	12033-D0120/400				
12010-06E01	12036-06E00/10				
12010-06E11	12036-D0120/400				

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 21.00 mm

40

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

HR15DE 1500 cc 4 cyl.

GRAND LEVINA, LEVINA XR,GENISS LATTIO,TIIDA,NOTE,TONE 2004-

Ø	78.00 +2.0
CD	29.00
TL	49.40

2 - 1.2
1 - 2.0

Ø	19.000
TL	53.50

	TEIKIN NO.	REFERENCE NO.
PISTON SET	44339	12010-ED000
RINGS	R 44339	12033-ED000 12033-EE000
PIN	P 44339	

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 5.40 mm

41

HR16DE 1600 cc 4 cyl.

Ø	78.00 +2.1
CD	28.90
TL	49.40

2 - 1.2
1 - 2.0

Ø	19.000
TL	53.50

TL	140.0
OD	82.0

	TEIKIN NO.	REFERENCE NO.
PISTON SET	44345	12010-ED500
RINGS	R 44339	12033-ED000 12033-EE000
PIN	P 44339	
LINER FLANGED	LSX 44186	11012-06E01
LINER KIT SET	LKSX 44345	

Surface Treatment: None

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 5.40 mm

42

HR16DE-II 4 cyl.

Ø	78.00 +2.1
CD	29.10
TL	49.70

1 - 1.2
1 - 1.0
1 - 2.0

Ø	19.000
TL	56.00

	TEIKIN NO.	REFERENCE NO.
PISTON SET	44361	12010-5RB0A
PIN	P 38145	

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 6.50 mm

43

HR16DE-III 1598 cc 4 cyl.

MARCH (2011-2018), JUKE F15, F15E (2010-2018) QASHQAI J10E (2010-2014), QASHQAI+2 JJ10E (2010-2013), SENTRA B17R, B17RR (2014-2016)

Ø	78.00 +2.3
CD	28.80
TL	49.60

2 - 1.2
1 - 2.0

Ø	19.000
TL	53.50

TL	140.0
OD	82.0

	TEIKIN NO.	REFERENCE NO.
PISTON SET	44365	12010-BB01A 12010-BB00A
RINGS	R 44339	12033-ED000 12033-EE000
PIN	P 44339	
LINER FLANGED	LSX 44365	
LINER KIT SET	LKSX 44365	

Surface Treatment: None

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 5.50 mm

44

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

RB20E — 1998 cc — 6 cyl.

Ø	78.00	+1.9
CD	32.40	
TL	67.30	

2 - 1.5
1 - 2.8

Ø 18.990
TL 62.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44653	R 44653	P 44653

REFERENCE NO.	REFERENCE NO.
12010-55S01	12033-12P00 12033-65L00 12033-V5310

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 18.50 mm

45

1.6L — 1598 cc — 4 cyl.

K4M (00-09) NISSAN PLATINA, APRIO /RENAULT CLIO
L4 DOHC 16 VALV

Ø	79.50	-1.6
CD	31.70	
TL	55.00	

1 - 1.2
1 - 1.5
1 - 2.5

Ø 20.000
TL 62.00

TEIKIN NO.	TEIKIN NO.
44356	P 38129

REFERENCE NO.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 10.50 mm

46

MRA8DE — 4 cyl.

SENTRA 1.800

Ø	79.70	+2.2
CD	31.10	
TL	52.30	

1 - 1.2
1 - 1.0
1 - 2.0

Ø 19.990
TL 50.00

TEIKIN NO.	TEIKIN NO.
44358	P 44358

REFERENCE NO.
12010-3RC0B

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 7.00 mm

47

MR16DDT — 1618 cc — 4 cyl.

NISSAN JUKE 2011-2015
JUKE, TIIDA
C12Z, F15, JUKE C12Z F15 F15E (10-)
DOHC 16V L4

Ø	79.70	-4.5
CD	35.30	
TL	53.80	

1 - 1.2
1 - 1.0
1 - 2.0

Ø 21.990
TL 54.50

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44362G	R 44362	P 44362

REFERENCE NO.	REFERENCE NO.
A2010-1KC0A A2010-1KC1A	12033-1KC0A 12033-3RC0B

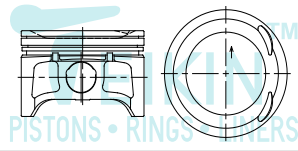
Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 6.00 mm

48

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

QG18DE-II — **1809 cc** — 4 cyl.

F.I 1.8L
2003-2005 NISSAN
SENTRA XE
DOHC 16V
GXE 00-06,



Ø	80.00
	-4.8
CD	29.20
TL	53.70

RINGS: 2 - 1.2 / 1 - 2.5

Ø	18.990
TL	52.00



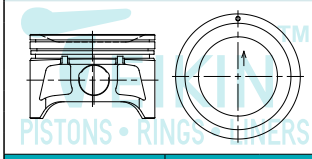
Surface Treatment	Bore Clearance
Tin Coated Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 12.70 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44333	R 44333	P 44333

REFERENCE NO.	REFERENCE NO.
12010-F4670 12010-AU300/1/2 A2010-AU300/1/2/71/72 12014/15-AU300 A2010-F4671	12033-5M001/20 12033-7J600/01 12033-7J60A 12033-8M100

49

QG18DE — **1769 cc** — 4 cyl.



Ø	80.00
	-4.8
CD	29.10
TL	53.70

RINGS: 2 - 1.2 / 1 - 2.5

Ø	18.990
TL	52.00



Surface Treatment	Bore Clearance
Tin Coated Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 12.70 mm

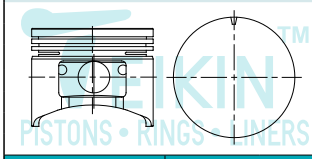
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44682	R 44333	P 44333

REFERENCE NO.	REFERENCE NO.
12010-7J625 12010-7J620/1/2 12010-7J626/7/8/9 12010-5M000/1/2 A2010-5M010	12033-5M001/20 12033-7J600/01 12033-7J60A 12033-8M100

50

J18 — **1800 cc** — 4 cyl.

1981-92
ICHI-VAN (CARGA)
ESTAQUITAS. SAKURA
HASTA 86
GUAYÍN 82-86.



Ø	80.50
CD	32.60
TL	65.50

RINGS: 1 - 1.5 / 1 - 2.0 / 1 - 4.0

Ø	21.000
TL	66.00

TL	152.4
OD	84.7

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.00 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44265	R 44265	P 44121	LSX 44265

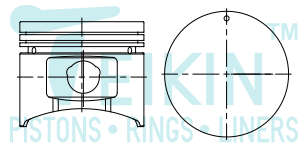
Surface Treatment
None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
12011-J22G0 12010-J22G0	12033-24W00 12033-J2190 12033-J21G0 12033-N7900	12010-01W12

TEIKIN NO. LKSX 44265

51

NA16S — **1600 cc** — 4 cyl.



Ø	81.50
CD	35.90
TL	68.00

RINGS: 2 - 1.5 / 1 - 4.0

Ø	21.000
TL	63.50

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 15.50 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44615 (44310)	R 44615	P 32120

REFERENCE NO.
12010-84G00

52

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

CA18 — 1809 cc — 4 cyl. — 1981

Ø	83.00	-3.3
CD	30.00	
TL	65.05	

2 - 1.5
1 - 4.0

Ø	20.000
TL	62.00

	TL	OD
	140.0	87.0

TEIKIN NO. LKSX 44190

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44190	R 44190	P 38129	LSX 44190

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.50 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
12010-D0301 12010-D1201 12010-01F01 12010-01F02	12033-01E00/10 12033-01F00 12033-D0210/500 12036-01F00	11012-D0300

53

Z16 — 1595 cc — 4 cyl.

Ø	83.00	+0.6
CD	38.00	
TL	78.90	

2 - 2.0
1 - 4.0

Ø	21.000
TL	66.00

	TL	OD
	140.0	87.0

TEIKIN NO. LKSX 44269

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44269	R 44269	P 44121	LSX 44269

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 21.25 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
12010-W7111 12010-W7121 12010-W7161	12033-A0600 12033-A3500/01/02 12033-W0700 12033-W7100/10	11012-21000

54

L16-II/L26-II — 1595 cc — 4 cyl.

Ø	83.00	-1.3
CD	38.00	
TL	78.00	

2 - 2.0
1 - 4.0

Ø	21.000
TL	72.50

	TL	OD
	140.0	87.0

TEIKIN NO. LKSX 44283

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44283	R 44269	P 43155	LSX 44269

Surface Treatment: None

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 22.75 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
12010-23002 12010-E3101	12033-A0600 12033-A3500/01/02 12033-W0700 12033-W7100/10	11012-21000

55

CA18ET — 1809 cc — 4 cyl.

Ø	83.00	-3.7
CD	30.00	
TL	65.00	

2 - 1.5
1 - 2.8

Ø	20.000
TL	61.00

	TL	OD
	140.0	87.0

TEIKIN NO. LKSX 44661

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44661	R 44661	P 46310	LSX 44190

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.50 mm

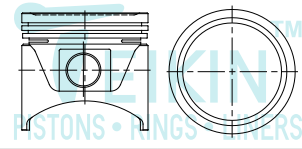
REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
12010-17F11 12010-17F12 12010-17F13	12033-17F00 12033-18F00/10 12033-44F00/1/2 12033-59B00	11012-D0300

56

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

L16-III — 1595 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 83.00 -1.2 CD 38.20 TL 78.20	2 - 2.0 1 - 4.0	Ø 21.000 TL 72.00		TL OD		140.0 87.0	TEIKIN NO. LKSX 44662
TEIKIN NO. 44662	TEIKIN NO. R 44269	TEIKIN NO. P 44662		TEIKIN NO. LSX 44269 Surface Treatment None			
REFERENCE NO. 12010-A9600 12010-A9601 12010-A9611	REFERENCE NO. 12033-A0600 12033-A3500/01/02 12033-W0700 12033-W7100/10			REFERENCE NO. 11012-21000			

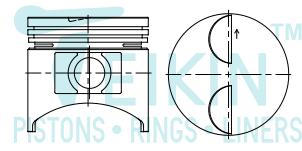


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 22.00 mm

57

L16 — 1971-78 — 4 cyl.
240C, 2400
260C, 300C

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 83.00 -2.9 CD 38.00 TL 78.00	2 - 2.0 1 - 4.0	Ø 21.000 TL 72.50					
TEIKIN NO. 44160-4		TEIKIN NO. P 43155					
REFERENCE NO. 12010-E3111							

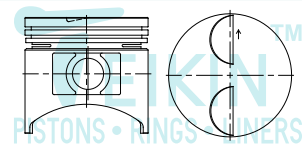


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 22.75 mm

58

L24/L26 — 2393 cc — 6 cyl.
1971-78
240C, 2400
260C, 300C

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 83.00 -2.9 CD 38.00 TL 78.00	2 - 2.0 1 - 4.0	Ø 21.000 TL 72.50		TL OD		140.0 87.0	TEIKIN NO. LKSX 44160
TEIKIN NO. 44160	TEIKIN NO. R 44160	TEIKIN NO. P 43155		TEIKIN NO. LSX 44160 Surface Treatment None			
REFERENCE NO. 12010-E3111	REFERENCE NO. 12033-A8620 12033-E3100 12033-E3110 12033-W0810			REFERENCE NO. 11012-21000			

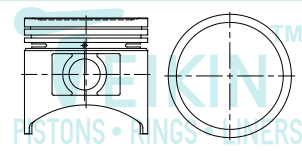


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 22.75 mm

59

L24S — 2393 cc — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 83.00 -1.3 CD 38.00 TL 78.00	1 - 1.5 1 - 2.0 1 - 4.0	Ø 21.000 TL 72.50		TL OD		140.0 87.0	TEIKIN NO. LKSX 44336
TEIKIN NO. 44336	TEIKIN NO. R 44336	TEIKIN NO. P 43155		TEIKIN NO. LSX 44160 Surface Treatment None			
REFERENCE NO. 12010-27L02	REFERENCE NO. 12033-W2400 12033-W2410 12033-W2420			REFERENCE NO. 11012-21000			



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 22.75 mm

60

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

L24E — 2393 cc — 6 cyl.

Ø	83.00	-0.9
CD	38.00	
TL	65.00	

2 - 1.5
1 - 4.0

Ø	20.000
TL	61.00

		FLANGED	NO FLANGE
TL			140.0
OD			87.0

TEIKIN NO. LKSX 44617

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44617 (44312)	R 44617	P 46310	LSX 44160

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
12010-W3102	12033-W3100	11012-21000
12010-51L01	12036-W3100	
	12038-W3100	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.50 mm

61

MR18DE — 1800 cc — 4 cyl.

GRAND LEVINA 1.8L
VERSA 1.8L
2004-
TIIDA 07-12
L4 DOHC 16 VALV

Ø	84.00	+3.1
CD	31.30	
TL	52.80	

2 - 1.2
1 - 2.0

Ø	19.990
TL	53.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44340	R 44340	P 44340

REFERENCE NO.	REFERENCE NO.
A2010-ED800	12033-CK80A
A2010-ED801	A2033-CK80A
	12033-EN200
	12033-EN20A

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 5.50 mm

62

MR20DE — 1997 cc — 4 cyl.

QASHAQAI ~ SYLPHY
TEANA ~ X-TRAIL
G11Z ~ J10E ~J32 ~ T31
(06-10)
DOHC 16V

Ø	84.00	+3.1
CD	31.30	
TL	53.00	

2 - 1.2
1 - 2.0

Ø	19.990
TL	53.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44350	R 44340	P 44340

REFERENCE NO.	REFERENCE NO.
A2010-EN210	12033-CK80A
A2010-EN20B	A2033-CK80A
12010-ET000	12033-EN200
A2010-ET000	12033-EN20A
A2010-ET001	

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 5.50 mm

63

CA20 — 1974 cc — 4 cyl.

SOHC, 8 V
SKYLINE GL1987-92

Ø	84.50	-2.4
CD	30.00	
TL	64.95	

2 - 1.5
1 - 4.0

Ø	20.000
TL	62.00

		FLANGED	NO FLANGE
TL			150.0
OD			88.5

TEIKIN NO. LKSX 44193

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44193	R 44193	P 38129	LSX 44193

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
12010-04E11	12033-04E00/10	11012-04F00
12010-04F01/11	12033-D1700	
12010-10F01	12033-D4700/10	
	12036-04E00/10	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.00 mm

64

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET

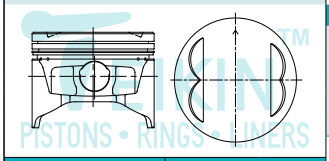
CA20-II — 1973 cc — 4 cyl.

Ø	84.50	-3.2
CD	30.00	
TL	65.00	

Ø	20.000
TL	62.00

TL	150.0
OD	88.5

TEIKIN NO. LKSX 44279



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 19.60 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44279	R 44279	P 38129	LSX 44193

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
12010-13E11	12033-13E00 12033-35R00 12033-61E00/10 12036-13E00	11012-04F00

65

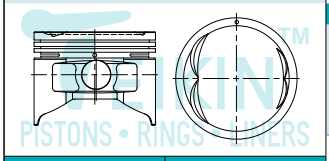
CA20-III — 1974 cc — 4 cyl.

Ø	84.50	-1.9
CD	30.10	
TL	64.90	

Ø	20.000
TL	61.00

TL	150.0
OD	88.5

TEIKIN NO. LKSX 44663



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.00 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44663	R 44193	P 46310	LSX 44193

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
12010-D1800/01 12011-D1800/01	12033-04E00/10 12033-D1700 12033-D4700/10 12036-04E00/10	11012-04F00

66

L18 NEW 1970 — 1770 cc — 4 cyl.

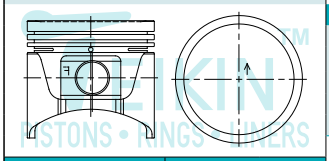
P610TK, BLUEBIRD

Ø	85.00	-0.7
CD	38.10	
TL	78.40	

Ø	21.000
TL	72.50

TL	150.0
OD	89.0

TEIKIN NO. LKFX 44166, LKSX 44166



Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 22.40 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44166	R 44166	P 43155	LFX 44166 LSX 44166

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
12010-A8701 12010-U2000	12033-78520/21 12033-A8701/02/03 12033-N9700 12033-U6000/1/2	11012-AB701 11012-U2000

67

L18 OLD — 1770 cc — 4 cyl.

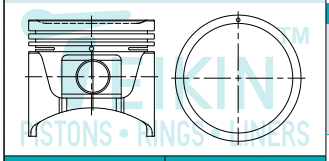
1970 LAUREL, SILVIA
BLUEBIRD 610

Ø	85.00	-2.2
CD	38.10	
TL	78.20	

Ø	21.000
TL	72.50

TL	150.0
OD	89.0

TEIKIN NO. LKFX 44167, LKSX 44167



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 22.40 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44167	R 44166	P 43155	LFX 44166 LSX 44166

Surface Treatment: None

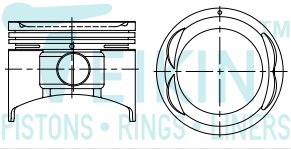
REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
12010-A8711 12010-W0801 12010-W0811	12033-78520/21 12033-A8701/02/03 12033-N9700 12033-U6000/1/2	11012-AB701 11012-U2000

68

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

Z20 — 1952 cc — 4 cyl.
1981

Ø	85.00	2 - 1.5	Ø	21.000		TL	150.0	TEIKIN NO.
	-3.5		TL	72.50		OD	89.0	LKSX 44224
CD	31.95							
TL	67.00	1 - 4.0						



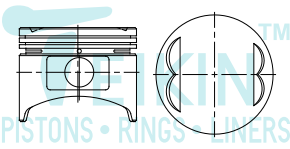
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.
44224	R 44224	P 43155		LSX 44224
				Surface Treatment: None

Surface Treatment	Bore Clearance	REFERENCE NO.	REFERENCE NO.		REFERENCE NO.
Tin Coated	MRC: 0.030 mm	12010-W1411	12033-24G00/10/20		11012-W1411
	MP: 20.00 mm	12010-W1421	12033-N8510/20		11012-U6000
		12010-W1461	12033-R9400		
			12036-24G00/10/20		

69

Z20S — 1952 cc — 4 cyl.
1980
SOHC, 8 V

Ø	85.00	2 - 1.5	Ø	21.000		TL	150.0	TEIKIN NO.
	-3.0		TL	72.50		OD	89.0	LKSX 44227
CD	31.90							
TL	67.00	1 - 4.0						



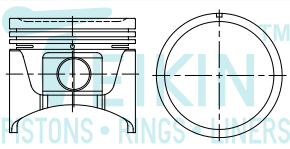
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.
44227	R 44224	P 43155		LSX 44224
				Surface Treatment: None

Surface Treatment	Bore Clearance	REFERENCE NO.	REFERENCE NO.		REFERENCE NO.
None	MRC: 0.030 mm	12010-N8711	12033-24G00/10/20		11012-W1411
	MP: 20.20 mm	12010-N8721	12033-N8510/20		11012-U6000
			12033-R9400		
			12036-24G00/10/20		

70

L20B — 1952 cc — 4 cyl.

Ø	85.00	2 - 2.0	Ø	21.000				
	-2.2		TL	72.50				
CD	38.10							
TL	78.10	1 - 4.0						



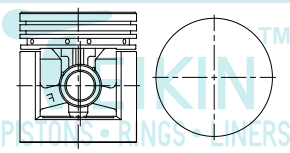
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
44305	R 44166	P 43155		

Surface Treatment	Bore Clearance	REFERENCE NO.	REFERENCE NO.		
Tin Coated	MRC: 0.030 mm	12010-U6001	12033-78520/21		
	MP: 22.30 mm		12033-A8701/02/03		
			12033-N9700		
			12033-U6000/1/2		

71

P680 — 4000 cc — 6 cyl.
1965
PATROL TRK 5T, 6T

Ø	85.73	2 - 2.5	Ø	20.650				
			TL	74.00				
CD	53.30							
TL	94.50	1 - 4.8						



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
44235	R 44235	P 44235		

Surface Treatment	Bore Clearance	REFERENCE NO.	REFERENCE NO.		
Tin Coated	MRC: 0.060 mm	12010-58100	12033-58003/4/5/8		
	MP: 8.50 mm	12010-80000	12033-C6000/11		
		12010-C8010	12036-58003		
		12010-58000	12038-58003		
		12010-58002			

72

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

NA20-II
4 cyl.

Ø 86.00	2 - 1.5	Ø 21.000
-3.9		TL 63.50
CD 38.50		
TL 70.00	1 - 4.0	

TEIKIN NO.		TEIKIN NO.
44352		P 32120

REFERENCE NO.		

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 14.00 mm

73

SR20DE 1998 cc
4 cyl.

Ø 86.00	2 - 1.5	Ø 22.000
		TL 60.00
CD 32.00		
TL 63.00	1 - 3.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44601 (44309)	R 44601	P 34102

REFERENCE NO.	REFERENCE NO.
A2010-65J02 A2010-65J01	12033-53J00/1/10/20 12033-53T00 12033-60J20/21/22/62 12035-53J00/1/10/20

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.00 mm

74

NA20 1998 cc
4 cyl.

Ø 86.00	2 - 1.5	Ø 21.000
-8.2		TL 63.50
CD 38.40		
TL 69.90	1 - 4.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44604	R 44604	P 32120

REFERENCE NO.	REFERENCE NO.
12010-85G00 12010-85G72 12010-85G01 12010-85G02 12010-85G73	12033-3T600 12033-85G00 12036-3T602 12036-3T604

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.50 mm

75

SR20DE-II 1998 cc
SENTRA
200SX/NX
1991-99
LUCINO GSR 96-00
TSURU GSR 94-96.
4 cyl.

Ø 86.00	2 - 1.5	Ø 22.000
-0.8		TL 60.00
CD 32.00		
TL 63.00	1 - 3.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44652	R 44601	P 34102

REFERENCE NO.	REFERENCE NO.
A2010-63J00 12011-65J00	12033-53J00/1/10/20 12033-53T00 12033-60J20/21/22/62 12035-53J00/1/10/20

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.00 mm

76

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

L28S — 2753 cc — 6 cyl.

Ø 86.00	1 - 1.5	Ø 21.000		TL		150.0	TEIKIN NO.
-2.2	1 - 2.0	TL 72.50		OD		90.0	LKSX 44335
CD 38.00							
TL 78.20	1 - 4.0						
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**			
44335	**R 44335**	**P 43155**		**LSX 44335**			
				Surface Treatment			
				None			
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**			
12010-C6412	12033-P7900/10			11012-N4200			
12010-C6421	12033-P8360/600/610						
	12033-T8400						
	12036-P7900/10						

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 23.00 mm

77

L28 — 2753 cc — 6 cyl.

Ø 86.00	2 - 2.0	Ø 21.000		TL		150.0	TEIKIN NO.
-3.0		TL 72.50		OD		90.0	LKSX 44616
CD 38.30							
TL 78.30	1 - 4.0						
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**			
44616 (44311)	**R 44616**	**P 43155**		**LSX 44335**			
				Surface Treatment			
				None			
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**			
12010-Y4111	12033-M4210			11012-N4200			
12010-Y4121	12033-N4200/10/20						
12010-Y4131	12033-P8360/70						
	12036-N4200/20						

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 23.00 mm

78

RB30E — 2962 cc — 6 cyl.

Ø 86.00	2 - 1.5	Ø 20.990					
+2.5		TL 64.00					
CD 32.50							
TL 66.50	1 - 2.8						
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**					
44664	**R 44664**	**P 44664**					
REFERENCE NO.	**REFERENCE NO.**						
12010-67S11	12033-67S10						
12010-67S21	12033-B4910						
A2010-67S21							

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 22.00 mm

79

Z22S — 2187 cc — 1980 — 4 cyl.

Ø 87.00	2 - 1.5	Ø 21.000		TL		150.0	TEIKIN NO.
-2.6		TL 72.50		OD		91.0	LKSX 44230
CD 35.35							
TL 71.90	1 - 4.0						
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**			
44230	**R 44230**	**P 43155**		**LSX 44230**			
				Surface Treatment			
				None			
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**			
12010-06W00	12033-06W10/20			11012-D1801			
12010-06W11	12033-D8500						
12010-06W21	12033-T8300						
	12033-T8301						

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 21.00 mm

80

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

Z22 — **2187 cc** — 1982 — 4 cyl.

Ø	87.00	2 - 1.5	Ø	21.000		TL	150.0	TEIKIN NO.
	-2.4		TL	66.00		OD	91.0	LKSX 44278
CD	32.00							
TL	67.00	1 - 4.0						

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.
44278	R 44230	P 44121		LSX 44230
				Surface Treatment: None
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.
12010-D8101	12033-06W10/20			11012-D1801
12010-D8111	12033-D8500			
	12033-T8300			
	12033-T8301			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.00 mm

81

VG30E — **2960 cc** — 1993-97 — 6 cyl.
QUEST
F.I., SOHC V6, 12 V

Ø	87.00	2 - 1.5	Ø	20.980				
	+0.9		TL	64.00				
CD	31.60							
TL	67.80	1 - 2.8						

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44275	R 44275	P 44277
REFERENCE NO.	REFERENCE NO.	
A2010-0B100 (R)	12033-02P10	
A2010-0B110 (L)	12033-21P10	
	12033-03P00/10	
	12035-03P00/10	

*Right Side Shown

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.50 mm

82

VG30DE — **2960 cc** — 1990-96 — 6 cyl.
300ZX
F.I., DOHC V6, 24 V

Ø	87.00	2 - 1.5	Ø	21.990				
	+1.5		TL	69.00				
CD	32.00							
TL	61.00	1 - 2.8						

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44276	R 44275	P 44276
REFERENCE NO.	REFERENCE NO.	
A2010-30P00	12033-02P10	
	12033-21P10	
	12033-03P00/10	
	12035-03P00/10	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 12.00 mm

83

VG30i / VG30E OLD — **2960 cc** — 1987-89 — 6 cyl.
MAXIMA
F.I., SOHC V6, 12 V

Ø	87.00	2 - 1.5	Ø	20.980				
	-1.8		TL	64.00				
CD	32.00							
TL	67.00	1 - 2.8						

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44277	R 44275	P 44277
REFERENCE NO.	REFERENCE NO.	
12010-21P61 / 63	12033-02P10	
A2010-10G03	12033-21P10	
A2010-21P61	12033-03P00/10	
12010-V5901/10/11	12035-03P00/10	
12010-V7101/61		

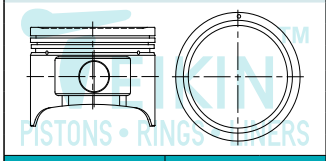
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.30 mm

84

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
VG30i-II 2960 cc, 6 cyl.	Ø 87.00 -1.8 CD 32.00 TL 67.00	1 - 2.0 1 - 1.5 1 - 2.8	Ø 20.980 TL 64.00				
	TEIKIN NO. 44334		**TEIKIN NO.** P 44277				
	REFERENCE NO. A2010-10G61, A2010-13G61						
Surface Treatment: Tin Coated; Bore Clearance: MRC: 0.030 mm, MP: 20.30 mm							85
H20, H20P 1982 cc, 4 cyl. 1966 CEDRIC	Ø 87.20 -1.6 CD 41.00 TL 84.00	1 - 2.0 1 - 2.5 1 - 4.0	Ø 22.000 TL 72.60		TL 150.0 OD 91.2		**TEIKIN NO.** LKSX 44196
	TEIKIN NO. 44196	**TEIKIN NO.** R 44196	**TEIKIN NO.** P 31116		**TEIKIN NO.** LSX 44196		
					Surface Treatment: None		
	REFERENCE NO. 12010-74001, 12010-R9001	**REFERENCE NO.** 12033-14601, 12033-50K00, 12033-R9000/23, 12033-Y4460			**REFERENCE NO.**		
Surface Treatment: Tin Coated; Bore Clearance: MRC: 0.030 mm, MP: 23.00 mm							86
H20-II 1982 cc, 4 cyl.	Ø 87.20 -1.6 CD 40.90 TL 70.90	1 - 2.0 1 - 2.5 1 - 4.0	Ø 20.000 TL 62.00		TL 150.0 OD 91.2		**TEIKIN NO.** LKSX 44608
	TEIKIN NO. 44608 (44294)	**TEIKIN NO.** R 44196	**TEIKIN NO.** P 38129		**TEIKIN NO.** LSX 44196		
					Surface Treatment: None		
	REFERENCE NO. 12010-50K00, 12010-50K24	**REFERENCE NO.** 12033-14601, 12033-50K00, 12033-R9000/23, 12033-Y4460			**REFERENCE NO.**		
Surface Treatment: Tin Coated; Bore Clearance: MRC: 0.030 mm, MP: 15.50 mm							87
Z24, Z24i 2389 cc, 4 cyl. PATHFINDER PICKUP, CARGOVAN F.I., SOHC, 8V 1983-89	Ø 89.00 -4.0 CD 34.05 TL 70.60	1 - 2.0 1 - 1.5 1 - 4.0	Ø 21.000 TL 66.00		TL 150.0 OD 93.0		**TEIKIN NO.** LKSX 44232
	TEIKIN NO. 44232	**TEIKIN NO.** R 44232	**TEIKIN NO.** P 44121		**TEIKIN NO.** LSX 44232		
					Surface Treatment: None		
	REFERENCE NO. 12010-83W01/2/3, 12010-83W11/2/3	**REFERENCE NO.** 12033-13A00, 12033-12G00/10, 12033-83W00, 12036-13G00/10			**REFERENCE NO.** 11012-10W01, 11012-30W01		
Surface Treatment: Tin Coated; Bore Clearance: MRC: 0.030 mm, MP: 20.40 mm							88

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

KA24E — 2388 cc — 4 cyl.
F.I., SOHC, 12 V

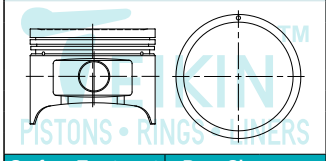


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 18.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 89.00 -0.7 CD 34.05 TL 68.35	2 - 1.5 1 - 2.8	Ø 21.000 TL 66.00		TL OD		150.0 93.0	TEIKIN NO. LKSX 44271
TEIKIN NO. 44271	TEIKIN NO. R 44271	TEIKIN NO. P 44121			TEIKIN NO. LSX 44232 Surface Treatment None		
REFERENCE NO. 12010-86G20	REFERENCE NO. 12033-1E400 12033-30R00 12033-4E100/10 12033-53F00/1				REFERENCE NO. 11012-10W01 11012-30W01		

89

KA24E-II — 2389 cc — 4 cyl.

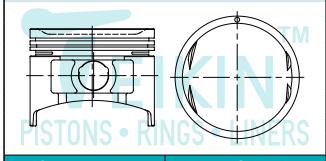


Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.020 mm MP: 17.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 89.00 -0.5 CD 34.00 TL 68.20	2 - 1.5 1 - 2.8	Ø 21.000 TL 61.50		TL OD		150.0 93.0	TEIKIN NO. LKSX 44272
TEIKIN NO. 44272	TEIKIN NO. R 44271	TEIKIN NO. P 56104			TEIKIN NO. LSX 44232 Surface Treatment None		
REFERENCE NO. 12010-40F10 A2010-30R10 A2010-30R12	REFERENCE NO. 12033-1E400 12033-30R00 12033-4E100/10 12033-53F00/1				REFERENCE NO. 11012-10W01 11012-30W01		

90

Z24-II — 2389 cc — 4 cyl.

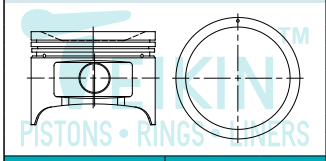


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.40 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 89.00 -4.0 CD 33.90 TL 70.50	2 - 1.5 1 - 4.0	Ø 21.000 TL 66.00		TL OD		150.0 93.0	TEIKIN NO. LKSX 44316
TEIKIN NO. 44316 (44651)	TEIKIN NO. R 44316	TEIKIN NO. P 44121			TEIKIN NO. LSX 44232 Surface Treatment None		
REFERENCE NO. 12010-30W01 12010-30W11	REFERENCE NO. 12033-10W00 12033-30W10				REFERENCE NO. 11012-10W01 11012-30W01		

91

KA24DE — 2389 cc — 4 cyl.



Surface Treatment	Bore Clearance
Anodized Crown 1st Ring Anodized	MRC: 0.020 mm MP: 17.00 mm

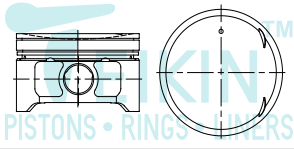
PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 89.00 -6.6 CD 34.00 TL 68.30	2 - 1.5 1 - 2.8	Ø 20.980 TL 60.00		TL OD		150.0 93.0	TEIKIN NO. LKSX 44321
TEIKIN NO. 44321	TEIKIN NO. R 44271	TEIKIN NO. P 44274			TEIKIN NO. LSX 44232 Surface Treatment None		
REFERENCE NO. A2010-53F00 A2010-1E400	REFERENCE NO. 12033-1E400 12033-30R00 12033-4E100/10 12033-53F00/1				REFERENCE NO. 11012-10W01 11012-30W01		

92

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

QR25DE — 2488 cc — 4 cyl.

X-TRAIL 2001 - ON
SENTRA 2002 - ON
ALTIMA 02-08
FRONTIER 05-08
ROUGH 08



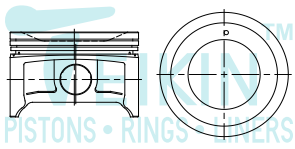
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 9.50 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 89.00	2 - 1.2	Ø 19.990				
-4.0		TL 57.00				
CD 32.00						
TL 54.80	1 - 2.5					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
44328	**R 44328**	**P 44328**				
REFERENCE NO.	**REFERENCE NO.**					
A2010-9H576	12033-5V110					
A2010-9H511	12033-8H300/1					
A2010-9H512	12033-9E000					
A2010-8J011	12033-9H500					
A2010-8J012						

93

KA24DE-IV — 2389 cc — 4 cyl.

URVAN 99 - 08
L4 16 VALV. DOHC

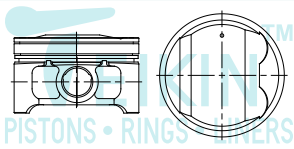


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 13.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 89.00	2 - 1.2	Ø 20.990		TL 150.0		**TEIKIN NO.**
-6.4		TL 56.00		OD 93.0		**LKSX 44338**
CD 34.00						
TL 60.80	1 - 2.5					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		
44338	**R 44328**	**P 44338**		**LSX 44232**		
				Surface Treatment		
				None		
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**		
A2010-5V110	12033-5V110			11012-10W01		
A2010-9E000	12033-8H300/1			11012-30W01		
A2010-5V112	12033-9E000					
	12033-9H500					

94

QR20DE — 1998 cc — 4 cyl.



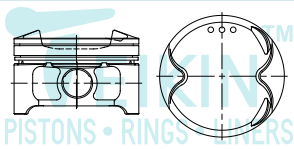
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 8.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 89.00	2 - 1.2	Ø 19.990				
+1.9		TL 59.00				
CD 32.00						
TL 56.50	1 - 2.5					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
44342	**R 44328**	**P 44342**				
REFERENCE NO.	**REFERENCE NO.**					
A2010-8H502	12033-5V110					
A2010-8H501	12033-8H300/1					
A2010-8H571	12033-9E000					
A2010-8H311/2	12033-9H500					
A2010-8H376						

95

QR25DE-III — 2488 cc — 4 cyl.

DOHC 16V
FRONTIER 2005-2008
X-TRAIL
ALTIMA
SENTRA SE-R



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 9.50 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 89.00	2 - 1.2	Ø 19.990				
+5.9		TL 57.00				
CD 32.90						
TL 61.50	1 - 2.5					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
44343	**R 44328**	**P 44328**				
REFERENCE NO.	**REFERENCE NO.**					
12010-EA001	12033-5V110					
	12033-8H300/1					
	12033-9E000					
	12033-9H500					

96

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

QR25DE-IV — 2488 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 89.00 +4.1 CD 33.00 TL 58.20	2 - 1.2 1 - 2.0	Ø 19.990 TL 57.00					
TEIKIN NO. **44349**	**TEIKIN NO.** **R 44349**	**TEIKIN NO.** **P 44328**					
REFERENCE NO. A2010-JG31A 12010-JA01A/2A 12010-JA01A/2A A2010-JG32A A2010-JG39A	**REFERENCE NO.** 12033-JA00B 12033-JG30A 12035-JG30A						

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 7.00 mm

97

QR25DE-V — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 89.00 +3.4 CD 32.90 TL 57.30	2 - 1.2 1 - 2.0	Ø 19.990 TL 57.00					
TEIKIN NO. **44353**		**TEIKIN NO.** **P 44328**					
REFERENCE NO. A2010-ET81A							

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 7.00 mm

98

QR25DE-VI — 4 cyl.

X-TRAIL 2.500
2015

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 89.00 +4.3 CD 32.90 TL 58.30	2 - 1.2 1 - 2.0	Ø 19.990 TL 51.00					
TEIKIN NO. **44357**		**TEIKIN NO.** **P 44357**					
REFERENCE NO. A2010-3TU1A							

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 5.00 mm

99

K21 — 2065 cc — 4 cyl.

FORKLIFT

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 89.00 -8.1 CD 32.50 TL 58.00	2 - 1.5 1 - 2.8	Ø 20.000 TL 58.00		TL OD		175.0 93.0	**TEIKIN NO.** **LKSX 44675**
TEIKIN NO. **44675**	**TEIKIN NO.** **R 44271**	**TEIKIN NO.** **P 52112**		**TEIKIN NO.** **LSX 44675**			
REFERENCE NO. 12010-FU422	**REFERENCE NO.** 12033-1E400 12033-30R00 12033-4E100/10 12033-53F00/1			**Surface Treatment** None **REFERENCE NO.**			

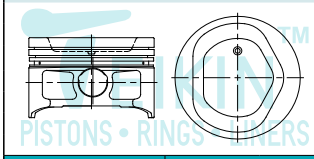
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 10.00 mm

100

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

K25 — **2488 cc** — 4 cyl.
FORKLIFT

Ø	89.00	2 - 1.5	Ø	20.000		TL		210.0	TEIKIN NO.
	-10.0		TL	58.00		OD		93.0	LKSX 44676
CD	32.50								
TL	58.00	1 - 2.8							



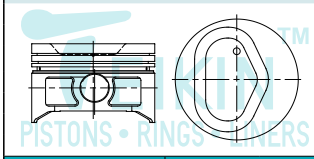
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.
44676	R 44271	P 52112		LSX 44676
				Surface Treatment: None
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.
12010-FU522	12033-1E400 12033-30R00 12033-4E100/10 12033-53F00/1			

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 10.00 mm

101

K21-II — **2065 cc** — 4 cyl.
FORKLIFT
SOHC 8V

Ø	89.00	2 - 1.2	Ø	20.000		TL		175.0	TEIKIN NO.
	-7.7		TL	57.00		OD		93.0	LKSX 44707
CD	32.50								
TL	58.00	1 - 2.5							



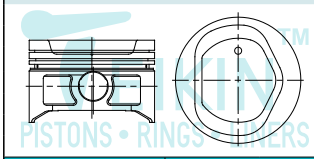
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.
44707	R 44328	P 44675		LSX 44675
				Surface Treatment: None
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.
12010-GS00A 12010-GS00B 12010-GS00C 12010-GS00D 12010-GS00E	12033-5V110 12033-8H300/1 12033-9E000 12033-9H500			

Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.030 mm MP: 10.00 mm

102

K25-II — **2488 cc** — 4 cyl.
FORKLIFT
SOHC 8V

Ø	89.00	2 - 1.2	Ø	20.000		TL		210.0	TEIKIN NO.
	-9.9		TL	57.00		OD		93.0	LKSX 44708
CD	32.50								
TL	58.00	1 - 2.5							



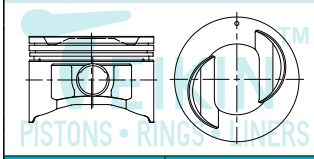
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.
44708	R 44328	P 44675		LSX 44676
				Surface Treatment: None
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.
12010-GS10A 12010-GS10B 12010-GS10C 12010-GS10D 12010-GS10E	12033-5V110 12033-8H300/1 12033-9E000 12033-9H500			

Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.030 mm MP: 10.00 mm

103

VG33E — **3300 cc** — 6 cyl.
1996-97
PATHFINDER
F.I., SOHC V6, 12 V
FRONTIER 01-05
X-TERRA 00-04

Ø	91.50	2 - 1.5	Ø	20.980					
	-1.5		TL	60.00					
CD	31.96								
TL	63.00	1 - 2.8							



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44274	R 44274	P 44274
REFERENCE NO.	REFERENCE NO.	
A2010-1W200 A2010-0W000	12033-0W000/10 12033-7B000 12035-0W000/10 12036-0W000/10	

Surface Treatment	Bore Clearance
Anodized Crown 1st Ring Anodized	MRC: 0.020 mm MP: 16.00 mm

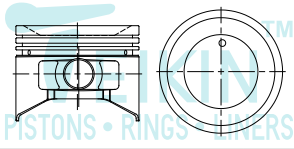
104

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

H25 — 2472 cc — 4 cyl.

FORKLIFT
D02S - J02 -J02S
(93-00)
SOHC 8V

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 92.00	1 - 2.0	Ø 21.000		TL	172.0	TEIKIN NO.
-7.3	1 - 2.5	TL 72.00		OD	96.0	LKSX 44699
CD 36.00						
TL 71.00	1 - 4.0					
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
44699	R 44699	P 44662		LSX 44699		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.		
12010-60K00	12033-60K00					
12010-60K70	12035-60K00					
12010-60K71	12036-60K00					
12010-60K72	12037-60K00					



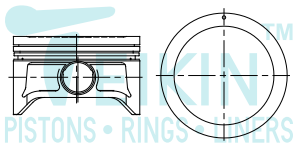
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 19.00 mm

105

VQ30DE — 2960 cc — 6 cyl.

1995-97
MAXIMA
F.I., DOHC V6, 24 V

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 93.00	2 - 1.2	Ø 21.990				
-0.4		TL 58.00				
CD 30.40						
TL 58.20	1 - 2.5					
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.				
44273	R 44273	P 44273				
REFERENCE NO.	REFERENCE NO.					
A2010-39U00	12033-2Y900/01					
A2010-38U10	12033-2Y902/3					
A2010-38U71	12033-38U00/1/2					
	12033-47001					



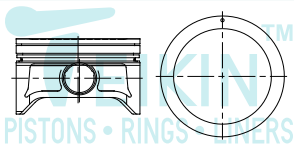
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm
Anodized Crown	MP: 13.80 mm

106

VQ30DE-II — 6 cyl.

MAXIMA
2000-01
DOHC 24V

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 93.00	2 - 1.2	Ø 21.990				
-0.5		TL 58.00				
CD 30.40						
TL 58.00	1 - 2.5					
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.				
44325	R 44273	P 44273				
REFERENCE NO.	REFERENCE NO.					
A2010-2Y900	12033-2Y900/01					
A2010-2Y901/2	12033-2Y902/3					
A2010-2Y910/11/12	12033-38U00/1/2					
A2010-2Y971/76	12033-47001					



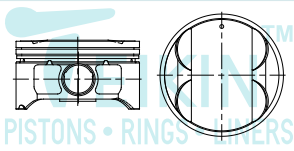
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 13.80 mm

107

VQ35DE-II — 3498 cc — 6 cyl.

3.5L DOHC 24V
ALTIMA 2002-2005
MAXIMA 2002-2005
MURANO 2003-2005
350Z 2003-2005

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 95.50	2 - 1.2	Ø 21.990				
+0.8		TL 58.00				
CD 29.60						
TL 53.80	1 - 2.5					
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.				
44331	R 44331	P 44273				
REFERENCE NO.	REFERENCE NO.					
A2010-8J101						



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 9.50 mm
1st Ring Anodized	

108

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	LINER	NO FLANGE	LINER KIT SET

VQ35DE 3498 cc
V6 3.5L DOHC 24V
PATHFINDER 2001-2004
6 cyl.

Ø 95.50	2 - 1.2	Ø 21.990
		TL 58.00
CD 29.60		
TL 52.70	1 - 2.5	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44332	R 44341	P 44273

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 9.50 mm
1st Ring Anodized	

REFERENCE NO.	REFERENCE NO.
A2010-4W161	12033-4W003/4/5/7
A2010-4W100/1/2	12033-8J100
A2010-4W110/1/2	12033-JP00A
A2010-4W170/1/2	12035-4W003/4/5/7

109

VQ40DE 3954 cc
FRONTIER 05
PATHFINNDER 05
XTERRA 05
V6 DOHC 24 V
6 cyl.

Ø 95.50 -2.0	2 - 1.2	Ø 21.990
		TL 58.00
CD 31.60		
TL 55.10	1 - 2.5	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44341	R 44341	P 44273

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 10.00 mm
1st Ring Anodized	

REFERENCE NO.	REFERENCE NO.
12010-EA200	12033-4W003/4/5/7
	12033-8J100
	12033-JP00A
	12035-4W003/4/5/7

110

VQ35DE-III
ALTIMA
PATHFINDER
2009-2017
6 cyl.

Ø 95.50 -0.2	2 - 1.2	Ø 22.000
		TL 55.00
CD 29.50		
TL 49.70	1 - 2.0	

TEIKIN NO.		TEIKIN NO.
44360		P 48102

Surface Treatment	Bore Clearance
Chromated	MRC: 0.030 mm
Moly Skirt	MP: 7.00 mm

REFERENCE NO.

111

TB42/ E/ S 4169 cc
6 cyl.

Ø 96.00	2 - 2.0	Ø 23.000
		TL 76.00
CD 40.50		
TL 80.00	1 - 4.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44660	R 44660	P 56105

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 20.00 mm

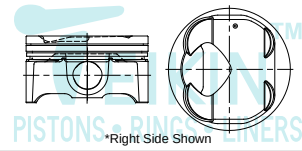
REFERENCE NO.	REFERENCE NO.
12010-03J61	12033-03J00
	12033-03J10
	12036-03J00
	12038-03J00

112

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

VK56VD **5552 cc** — 8 cyl.

NISSAN PATROL (2010-)
NISSAN PATROL NISMO (2016-)
NISSAN TITAN, ARMADA (2017-)
INFINITI QX80/QX56 (2010-2018)
INFINITI M56 (2011-2013)


*Right Side Shown

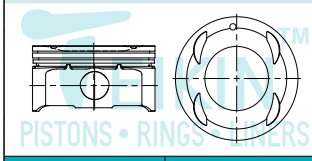
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 9.00 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	FLANGED	NO FLANGE	LINER KIT SET
Ø 98.00	2 - 1.2	Ø 21.990			
-5.0		TL 59.50			
CD 31.50					
TL 53.50	1 - 2.5				
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**			
44366	**R 44366**	**P 44366**			
REFERENCE NO.	**REFERENCE NO.**				
A2010-1LA0C (R)	12033-1MC0B				
A2010-1LA0D (L)	12033-1MC0C				
	12033-1MC0D				
	12033-EZ30D				

113

VK56DE **5552 cc** — 8 cyl.

PATHFINDER ARMADA
TITAN
V8 DOHC 32 VAL.

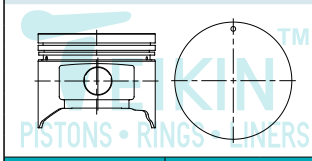


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 7.00 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	FLANGED	NO FLANGE	LINER KIT SET
Ø 98.00	2 - 1.5	Ø 22.000			
-4.2		TL 60.00			
CD 31.60					
TL 52.00	1 - 2.5				
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**			
44680	**R 44680**	**P 34102**			
REFERENCE NO.	**REFERENCE NO.**				
12010-7S000	12033-7S000				
12010-7S001/2	12033-7S001				
A2010-7S000/1/2	12033-7S002				
	12033-ZE002				

114

TB45DE/TB48DE — 4 cyl.

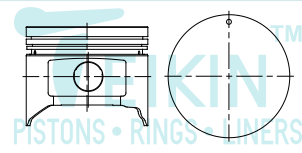


Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.030 mm
1st Ring Anodized	MP: 20.00 mm

PISTON SET	RINGS	PIN	FLANGED	NO FLANGE	LINER KIT SET
Ø 99.50	1 - 2.0	Ø 22.990			
	1 - 1.5	TL 65.00			
CD 40.30					
TL 80.00	1 - 4.0				
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**			
44347-4	**R 44347-4**	**P 44347**			
REFERENCE NO.	**REFERENCE NO.**				
A2010-VB08B					
A2010-VC28B					

115

TB45DE/TB48DE **4500 cc** — 6 cyl.



Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.030 mm
1st Ring Anodized	MP: 20.00 mm

PISTON SET	RINGS	PIN	FLANGED	NO FLANGE	LINER KIT SET
Ø 99.50	1 - 2.0	Ø 22.990			
	1 - 1.5	TL 65.00			
CD 40.30					
TL 80.00	1 - 4.0				
TEIKIN NO.		**TEIKIN NO.**			
44347		**P 44347**			
REFERENCE NO.					
A2010-VB08B					
A2010-VC28B					

116

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

CD17 — 1680 cc — 4 cyl.

Ø	80.00	1 - 1.75	Ø	24.000		TL	146.0	150.0	TEIKIN NO.
	-1.7	1 - 2.0	TL	63.00		OD	84.0	84.0	LKFX 44262
CD	41.10					FT	4.8		LKSF 44262
TL	71.05	1 - 3.0				FD	86.0		LKSX 44262
									LKFX 44262A
									LKSF 44262A
									LKSX 44262A

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44262 44262A	R 44262	P 44262	B 44262	LFX 44262 LSF 44262 LSX 44262
				Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-17A04	12033-16A00/10		12030-16A00	11012-16A00
12010-17A02	12036-16A00/10		12030-16A01	
12010-16A02	12038-16A00/10		12030-16A02	
12010-71A02				

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 12.70 mm

117

R9M — 1598 cc — 4 cyl.

QASHQAI +2 (JJ10E)
QASHQAI (J10E, J11E, J11R)
X-TRAIL (T32, T32R, T32RR)
2011- 2018

Ø	80.00	1 - 2.0 HK	Ø	30.000		TL	146.0	146.0	TEIKIN NO.
	-12.4	1 - 1.75	TL	60.00		OD	84.0	84.0	LKFX 44363AG
CD	46.00					FT	4.8		LKSF 44363AG
TL	70.50	1 - 2.0				FD	86.0		

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.
44363AG	R 44363	P 44363		LFX 44363 LSF 44363
				Surface Treatment: None

REFERENCE NO.	REFERENCE NO.			REFERENCE NO.
12000-00Q20 12000-00Q2N/2P/2R 12000-00Q2S/2T/2Y/2Z 12000-00QIN/IP/IR 12000-00QIS/IT	A2033-00Q0D			

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.040 mm MP: 7.00 mm

118

SD22 — 2164 cc — 4 cyl.

CABSTAR 1977
CABALL, CLIPPER

Ø	83.00	1 - 2.5	Ø	26.000		TL	176.0		TEIKIN NO.
	-1.9	2 - 2.0	TL	71.00		OD	87.0		LKFF 44210
CD	48.00					FT	5.08		LKSF 44210
TL	96.05	2 - 4.5				FD	92.95		LKFF 44210A
									LKSF 44210A

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44210 44210A	R 44210	P 44210	B 32102	LFF 44210 LSF 44210
				Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-Y1411	12033-76202/3		90043-84001/4	11012-76200
12010-Y5210	12033-V1310		90043-84018/50	11012-76201
12101-Y5211	12033-Y1400/2		90043-84057	11012-C8701
12010-J5310	12033-Y1410/2		90043-84105	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 20.30 mm

119

SD22-II — 2164 cc — 4 cyl.

Ø	83.00	1 - 2.5	Ø	26.000		TL	176.0		TEIKIN NO.
	-2.1	1 - 2.0	TL	71.00		OD	87.0		LKFF 44291
CD	48.00					FT	5.08		LKSF 44291
TL	90.10	1 - 4.5				FD	92.95		

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44291	R 44266	P 44210	B 44215	LFF 44210 LSF 44210
				Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-36W10	12033-02N00/1		12030-L2000	11012-76200
12010-R8110	12033-02N10/1			11012-76201
12010-R8111				11012-C8701

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 14.40 mm

120

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

SD33T — 3246 cc — 6 cyl.

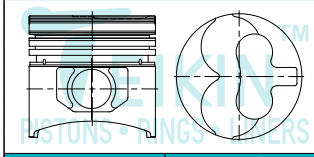
Ø	83.00	-2.0
CD	48.20	
TL	80.20	

1 - 2.5 HK
1 - 2.0
1 - 4.0

Ø 26.000
TL 68.00

TL	176.0	
OD	87.0	
FT	5.08	
FD	92.95	

TEIKIN NO.
LKFF 44603
LKSF 44603
LKFF 44603A
LKSF 44603A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44603 44603A (44282)	R 44603	P 44603	B 44603	LFF 44210-6 LSF 44210-6

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 20.00 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
12010-C8701 12010-C8602	12033-C8702 12033-C8704	12030-37500	11012-76200 11012-76201 11012-C8701

121

SD33 — 3246 cc — 6 cyl.

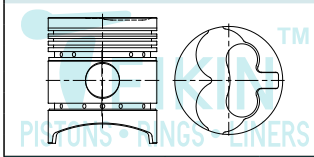
Ø	83.00	-1.9
CD	48.00	
TL	96.05	

1 - 2.5
2 - 2.0
2 - 4.5

Ø 26.000
TL 71.00

TL	176.0	
OD	87.0	
FT	5.08	
FD	92.95	

TEIKIN NO.
LKFF 44210-6
LKSF 44210-6
LKFF 44210A-6
LKSF 44210A-6



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44210-6 44210A-6	R 44210-6	P 44210	B 44603	LFF 44210-6 LSF 44210-6

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 20.30 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
12010-Y1411 12010-Y5210 12010-Y5211 12010-J5310	12033-61500/2/3 12033-C6810/12 12033-J2200/1/2/4	12030-37500	11012-76200 11012-76201 11012-C8701

122

CD20 — 1973 cc — 4 cyl.

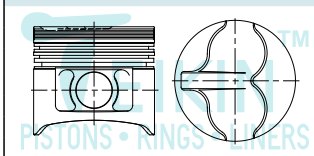
Ø	84.50	-3.3
CD	44.30	
TL	75.50	

2 - 2.0
1 - 3.0

Ø 25.000
TL 67.00

TL	148.0	148.0
OD	87.5	87.5
FT	4.8	
FD	89.5	

TEIKIN NO.
LKFX 44602
LKSF 44602
LKSX 44602
LKFX 44602A
LKSF 44602A
LKSX 44602A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44602 44602A (44280)	R 44602	P 39157	B 44602	LFX 44602 LSF 44602 LSX 44602

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.50 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
A2010-57J01 12010-57J00 A2010-8E100 12010-57J01/2/3/4 A2010-57J11/2/3/4	12033-57J00 12035-57J00 12036-57J00	12030-57J00	11012-16A02

123

CD20-T — 1973 cc — 4 cyl.

PRIMERA 1996-1999

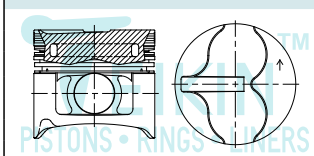
Ø	84.50	-2.6
CD	44.30	
TL	75.60	

1 - 2.0 HK
1 - 2.0
1 - 3.0

Ø 28.000
TL 66.50

TL	148.0	148.0
OD	87.5	87.5
FT	4.8	
FD	89.5	

TEIKIN NO.
LKFX 44681AG
LKSF 44681AG
LKSX 44681AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44681AG	R 44681	P 44681	B 44681	LFX 44602 LSF 44602 LSX 44602

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.030 mm MP: 14.00 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
A2010-1C310 A2010-2J600/2/3/4 A2010-2J671/2	12033-1C300 12035-1C300 12036-1C300	12030-1C300	11012-16A02

124

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

LD28 — 2792 cc — 6 cyl.

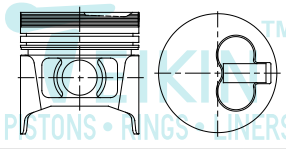
Ø	84.50	-3.1
CD	46.40	
TL	86.40	

2 - 2.0
1 - 4.0

Ø	25.000
TL	67.00

		FLANGED	NO FLANGE
TL		150.0	150.0
OD		88.5	88.5
FT	5.0		
FD		90.0	

TEIKIN NO.
LKSF 44625
LKSX 44625
LKSF 44625A
LKSX 44625A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44625 44625A (44285)	R 44625	P 39157	B 44625	LSF 44625 LSX 44625

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-V0702 12010-V0762 12010-V5702 12010-V5756/62 12010-W2502	12033-60L00 12033-V0700 12036-60L00 12036-V0700		12030-V0700 12030-V0701	11012-V0700

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 22.50 mm

125

LD20 — 1952 cc — 4 cyl.

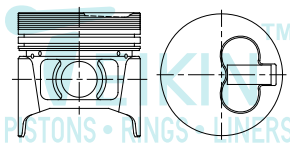
Ø	85.00	-3.1
CD	46.35	
TL	86.30	

2 - 2.0
1 - 4.0

Ø	25.000
TL	67.00

		FLANGED	NO FLANGE
TL		150.0	150.0
OD		89.0	89.0
FT	2.0		
FD		93.0	

TEIKIN NO.
LKFX 44176
LKSF 44176
LKSX 44176
LKFX 44176A
LKSF 44176A
LKSX 44176A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44176 44176A	R 44176	P 39157	B 44176	LFX 44176 LSF 44176 LSX 44176

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-18L02 12010-W1762 12010-W1702	12033-35E25 12033-V7225 12033-W1700 12033-W3400		12030-V0700 12030-V0701	11012-W1702

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 22.75 mm

126

LD20-II — 1952 cc — 4 cyl.

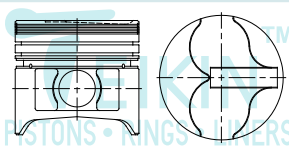
Ø	85.00	-2.5
CD	46.30	
TL	77.75	

2 - 2.0
1 - 4.0

Ø	25.000
TL	67.00

		FLANGED	NO FLANGE
TL		150.0	150.0
OD		89.0	89.0
FT	2.0		
FD		93.0	

TEIKIN NO.
LKFX 44263
LKSF 44263
LKSX 44263
LKFX 44263A
LKSF 44263A
LKSX 44263A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44263 44263A	R 44176	P 39157	B 44176	LFX 44176 LSF 44176 LSX 44176

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-G5502 12010-G5562	12033-35E25 12033-V7225 12033-W1700 12033-W3400		12030-V0700 12030-V0701	11012-W1702

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 14.50 mm

127

LD20-T — 1952 cc — 4 cyl.

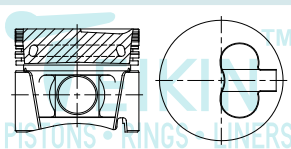
Ø	85.00	-3.5
CD	46.40	
TL	72.60	

2 - 2.0
1 - 4.0

Ø	26.000
TL	66.00

		FLANGED	NO FLANGE
TL		150.0	150.0
OD		89.0	89.0
FT	2.0		
FD		93.0	

TEIKIN NO.
LKFX 44624
LKSF 44624
LKSX 44624
LKFX 44624A
LKSF 44624A
LKSX 44624A
LKFX 44624AG
LKSF 44624AG
LKSX 44624AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44624 44624A 44624AG (44284)	R 44624	P G1113	B 44624	LFX 44176 LSF 44176 LSX 44176

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-W3402	12033-35E10 12033-W4200 12036-35E10 12036-W4200		12030-W3400	11012-W1702

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 8.00 mm

128

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

RD28 — 2825 cc — 6 cyl.

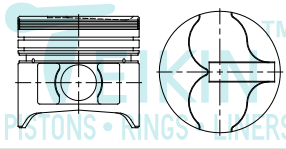
Ø	85.00	-2.8
CD	46.50	
TL	78.00	

2 - 2.0

1 - 4.0

Ø	25.000
TL	67.00

		FLANGED	NO FLANGE	TEIKIN NO.
TL		150.0	150.0	LKFX 44606
OD		89.0	89.0	LKSF 44606
FT	2.0			LKSX 44606
FD		93.0		



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44606 (44289)	R 44606	P 39157	B 44606	LFX 44606 LSF 44606 LSX 44606
				Surface Treatment: None
REFERENCE NO. 12010-V7213 A2010-V7213	REFERENCE NO. 12033-20V01 12033-22J00/11/21 12033-35E00 12033-40L01/11		REFERENCE NO. 12030-V7200	REFERENCE NO. 11012-V2070

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.50 mm

129

RD28-T — 2825 cc — 6 cyl.

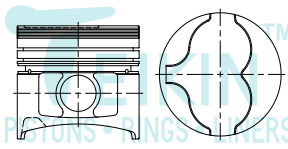
Ø	85.00	-3.1
CD	46.80	
TL	78.30	

2 - 2.0

1 - 4.0

Ø	27.000
TL	66.50

		FLANGED	NO FLANGE	TEIKIN NO.
TL		150.0	150.0	LKFX 44623AG
OD		89.0	89.0	LKSF 44623AG
FT	2.0			LKSX 44623AG
FD		93.0		



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44623AG (44281)	R 44606	P 44623	B 44623	LFX 44606 LSF 44606 LSX 44606
				Surface Treatment: None
REFERENCE NO. 12010-22J11 12010-22J62 12010-22J64	REFERENCE NO. 12033-20V01 12033-22J00/11/21 12033-35E00 12033-40L01/11		REFERENCE NO. 12030-22J01	REFERENCE NO. 11012-V2070

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.00 mm

130

RD28TI NEW — 2825 cc — 6 cyl.

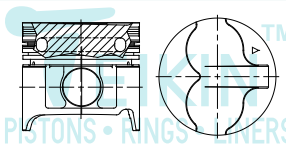
Ø	85.00	-1.8
CD	46.80	
TL	78.30	

1 - 2.0 HK
1 - 2.0

1 - 4.0

Ø	27.000
TL	61.50

		FLANGED	NO FLANGE	TEIKIN NO.
TL		150.0	150.0	LKFX 44696AG
OD		89.0	89.0	LKSF 44696AG
FT	2.0			LKSX 44696AG
FD		93.0		



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44696AG	R 44696	P 44696	B 44623	LFX 44606 LSF 44606 LSX 44606
				Surface Treatment: None
REFERENCE NO. A2010-VB300 A2010-VB301 A2010-VB302 A2010-VB372 A2010-VB373	REFERENCE NO. 12033-81T10 12036-81T10 12038-81T10		REFERENCE NO. 12030-22J01	REFERENCE NO. 11012-V2070

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.050 mm MP: 14.50 mm

131

YD22DDT/ETI — 2184 cc — 4 cyl.

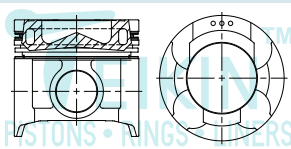
Ø	86.00	-16.3
CD	49.00	
TL	79.90	

1 - 2.0 HK
1 - 2.0

1 - 3.0

Ø	28.000
TL	61.50

		FLANGED	NO FLANGE	TEIKIN NO.
TL		160.0	160.0	LKSF 44685AG
OD		90.0	90.0	LKSX 44685AG
FT	5.0			
FD		94.0		



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44685AG	R 44685	P 44685	B 44671	LSF 44685 LSX 44685
				Surface Treatment: None
REFERENCE NO. A2010-8H865 A2010-8H800/1/2 A2010-8H871/2	REFERENCE NO. 12033-AW400 12033-4U400 12033-8H800 12033-8H810		REFERENCE NO. 12030-AD200	REFERENCE NO.

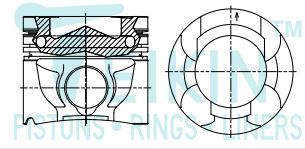
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.080 mm MP: 15.00 mm

132

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

YD22DDT/DDTI — 2184 cc — 4 cyl.

YD22ETI/TDI
ALMERA
PRIMERA
X-TRAIL
N16E

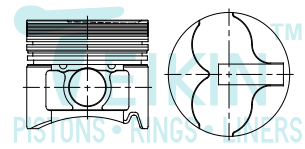


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.040 mm MP: 6.50 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 86.00	1 - 2.0 HK	Ø 28.000		TL	160.0	160.0	TEIKIN NO.
-15.2	1 - 2.0	TL 69.00		OD	90.0	90.0	LKSF 44697AG
CD 48.90				FT	5.0		LKSX 44697AG
TL 73.80	1 - 3.0			FD	94.0		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
44697AG	R 44685	P 44697	B 44671		LSF 44685 LSX 44685		
					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.		
A2010-AW400/1/2 A2010-AW471/2	12033-AW400 12033-4U400 12033-8H800 12033-8H810		12030-AD200				

133

LD23 — 2283 cc — 4 cyl.



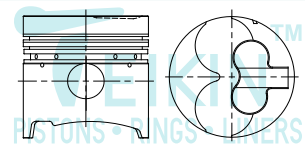
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 10.50 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 87.00	2 - 2.0	Ø 26.000		TL	160.0	160.0	TEIKIN NO.
-2.2		TL 62.70		OD	91.0	91.0	LKSF 44295
CD 47.20				FT	2.0		LKSX 44295
TL 76.20	1 - 3.0			FD	95.0		LKSF 44295A
							LKSX 44295A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
44295 44295A	R 44295	P 46270	B 44295		LSF 44295 LSX 44295		
					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.		
12010-9C626 A2010-9C626 12010-9C600 12010-9C625 12010-9C627/28/29	12033-2J626 12033-9C625 12033-9C626 12035-9C626		12030-9C600				

134

SD23 / SD25 — 2289 cc — 4 cyl.

1982

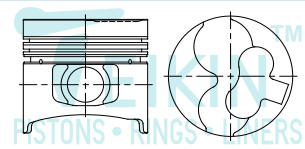


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 21.50 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 89.00	1 - 2.5	Ø 26.000		TL	172.0		TEIKIN NO.
-2.9	1 - 2.0	TL 74.00		OD	92.0		LKFF 44215
CD 48.00				FT	5.0		LKSF 44215
TL 89.95	1 - 4.5			FD	98.0		LKFF 44215A
							LKSF 44215A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
44215 44215A	R 44215	P 44215	B 44215		LFF 44215 LSF 44215		
					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.		
12010-09W01 12010-09W11 12010-L2002 12010-T6203/6/13/16/73 12010-T7200/2/10/12	12033-L2000/2/3/4/6		12030-L2000		11012-L2002 11012-L2003 11012-L2004		

135

TD23 — 2289 cc — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 20.20 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 89.00	1 - 2.5	Ø 26.000		TL	160.0		TEIKIN NO.
-1.6	1 - 2.0	TL 74.00		OD	92.0		LKFF 44266
CD 48.25				FT	5.08		LKSF 44266
TL 84.05	1 - 4.0			FD	97.95		LKFF 44266A
							LKSF 44266A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
44266 44266A	R 44266	P 44215	B 44266		LFF 44266 LSF 44266		
					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.		
12010-02N07 12010-02N06 12010-02N16 12010-02N17	12033-02N00/1 12033-02N10/1		12030-02N00		11012-02N00 11012-02N10 11012-02N17		

136

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

SD23/25-II — 2289 cc — 4 cyl.

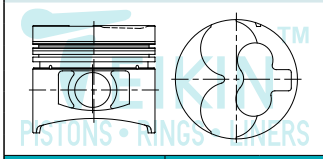
Ø	89.00	-1.8
CD	48.00	
TL	80.00	

1 - 2.5	
1 - 2.0	
1 - 4.5	

Ø	26.000
TL	74.00

TL	172.0	
OD	92.0	
FT	5.0	
FD	98.0	

TEIKIN NO.
LKFF 44622
LKSF 44622
LKFF 44622A
LKSF 44622A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44622 **44622A** **(44308)**	**R 44215**	**P 44215**	**B 44215**	**LFF 44215** **LSF 44215**

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 10.00 mm

Surface Treatment
None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-T6205 12010-T6206/2 12010-T7204/5 12010-T7206 12010-09W10	12033-L2000/2/3/4/6		12030-L2000	11012-L2002 11012-L2003 11012-L2004

137

YD25TDI — 2488 cc — 4 cyl.

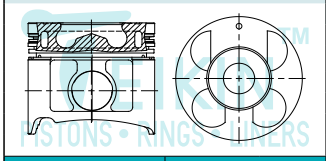
Ø	89.00	-18.1
CD	48.80	
TL	80.00	

1 - 2.0 HK	
1 - 2.0	
1 - 3.0	

Ø	28.000
TL	61.00

TL	167.0	167.0
OD	94.0	92.5
FT	4.0	
FD	92.5	

TEIKIN NO.
LKSF 44671A
LKSX 44671A
LKSF 44671AG
LKSX 44671AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44671A **44671AG**	**R 44671**	**P 44671**	**B 44671**	**LSF 44671** **LSX 44671**

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 14.00 mm

Surface Treatment
None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
A2010-VK510 A2010-VK515/6/7 A2010-VK511/2 A5010-VK576/7 A2010-VK581/2	12033-VK500/10/20 12035-VK500/10/20 12036-VK500/10/20 A2033-VK510/20		12030-AD200	

138

YD25TDI NEW — 2488 cc — 4 cyl.

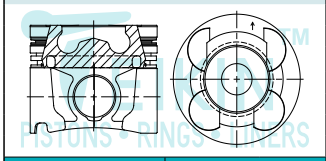
Ø	89.00	-19.2
CD	48.90	
TL	73.80	

1 - 2.0 HK	
1 - 2.0	
1 - 3.0	

Ø	28.000
TL	71.00

TL	167.0	167.0
OD	94.0	92.5
FT	4.0	
FD	92.5	

TEIKIN NO.
LKSF 44684AG
LKSX 44684AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44684AG	**R 44671**	**P 44684**	**B 44671**	**LSF 44671** **LSX 44671**

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 6.00 mm

Surface Treatment
None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
A2010-EB30A A2010-EB31A A2010-EB32A A2010-EB38A A2010-EB39A	12033-VK500/10/20 12035-VK500/10/20 12036-VK500/10/20 A2033-VK510/20		12030-AD200	

139

YD25DDTI — 2488 cc — 4 cyl.

CABSTAR~NAVARA~PATHFINDER (F24M~F40M~R51M) 2006-

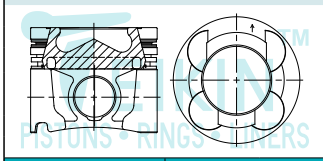
Ø	89.00	-17.3
CD	48.90	
TL	73.80	

1 - 2.0 HK	
1 - 2.0	
1 - 3.0	

Ø	28.000
TL	71.00

TL	167.0	167.0
OD	94.0	92.5
FT	4.0	
FD	92.5	

TEIKIN NO.
LKSF 44686AG
LKSX 44686AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44686AG	**R 44671**	**P 44684**	**B 44671**	**LSF 44671** **LSX 44671**

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 6.00 mm

Surface Treatment
None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
A2010-EC00B A2010-EC01B A2010-EC02B A2010-EC08B A2010-EC09B	12033-VK500/10/20 12035-VK500/10/20 12036-VK500/10/20 A2033-VK510/20		12030-AD200	

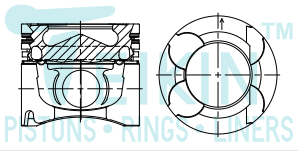
140

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

YD25DDTi-II 2488 cc — 4 cyl.

CABSTAR (F24M)
NAVARA (D40M, D40T)
FRONTIER (D4DBB), MURANO (251)
NAVARA NP300 (D23T, D23M)
2010- 2018

Ø	89.00	1 - 2.0 HK	Ø	28.000	TL	167.0	167.0
	-16.7	1 - 2.0	TL	69.00	OD	94.0	92.5
CD	48.80				FT	4.0	
TL	76.80	1 - 3.0			FD	92.5	



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44364AG	R 44671	P 44697	B 44671	LSF 44671 LSX 44671

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 9.50 mm

Surface Treatment: None

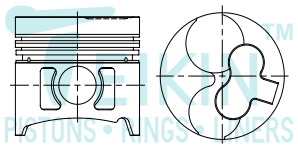
REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
A2010-5X00A A2010-5X01A A2010-5X02A	12033-VK500/10/20 12035-VK500/10/20 12036-VK500/10/20 A2033-VK510/20	12030-AD200	

TEIKIN NO.: LKSF 44364AG, LKSX 44364AG

141

TD25 2494 cc — 4 cyl.

Ø	92.90	1 - 2.5	Ø	28.000	TL	160.0	
	-1.5	1 - 2.0	TL	80.00	OD	95.86	
CD	50.20				FT	5.08	
TL	86.95	1 - 4.0			FD	102.0	



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44255 44255A	R 44255	P 44255	B 44255	LFF 44255 LSF 44255 LSX 44255

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 18.00 mm

Surface Treatment: None

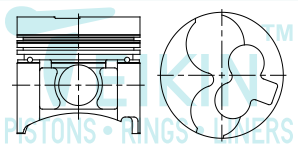
REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
12010-44G02 12010-44G12 12010-44G01	12033-44G10 A2033-44G00	12030-43G00	11012-44G05 11012-44G10 11012-87G00

TEIKIN NO.: LKFF 44255, LKSF 44255, LKSX 44255, LKFF 44255A, LKSF 44255A, LKSX 44255A

142

TD25 LATE 2494 cc — 4 cyl.

Ø	92.90	1 - 2.5	Ø	30.000	TL	160.0	
	-1.5	1 - 2.0	TL	74.00	OD	95.86	
CD	50.30				FT	5.08	
TL	86.00	1 - 4.0			FD	102.0	



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44666A	R 44255	P 44666	B 44296	LFF 44255 LSF 44255 LSX 44255

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 10.00 mm

Surface Treatment: None

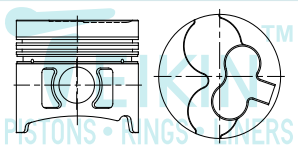
REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
12010-44G15	12033-44G10 A2033-44G00	12030-31N00 12030-G2400	11012-44G05 11012-44G10 11012-87G00

TEIKIN NO.: LKFF 44666A, LKSF 44666A, LKSX 44666A

143

TD27 2663 cc — 4 cyl.

Ø	96.00	1 - 2.5	Ø	28.000	TL	160.0	
	-1.7	1 - 2.0	TL	80.00	OD	99.0	
CD	50.20				FT	5.08	
TL	86.95	1 - 4.0			FD	104.95	



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44267 44267A	R 44267	P 44255	B 44255	LFF 44267 LSF 44267

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 15.80 mm

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
12010-10T02 12010-10T12 12010-43G02 12010-43G12	12033-43G10/1 12033-54T10/1	12030-43G00	11012-2S000 11012-43G00 11012-43G05 11012-43G10

TEIKIN NO.: LKFF 44267, LKSF 44267, LKFF 44267A, LKSF 44267A

144

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

TD27-T - II — 2663 cc — 4 cyl.

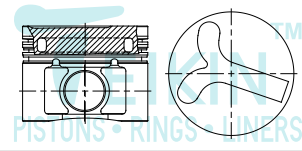
Ø	96.00	-1.7
CD	50.50	
TL	74.00	

1 - 2.5 HK
1 - 2.0
1 - 3.0

Ø	30.000
TL	79.80

TL	160.0
OD	99.0
FT	5.08
FD	104.95

TEIKIN NO.
LKFF 44296
LKSF 44296
LKFF 44296A
LKSF 44296A
LKFF 44296AG
LKSF 44296AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44296 44296A 44296AG	R 44296	P 44296	B 44296	LFF 44267 LSF 44267

Surface Treatment: None

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown	MRC: 0.030 mm MP: 6.50 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-7F406	12033-0W813/4		12030-31N00	11012-2S000
A2010-7F406	12033-0W81A		12030-G2400	11012-43G00
A2010-7F407	12033-2W211			11012-43G05
A2010-7F408	12033-7F400			11012-43G10

145

BD30 — 2953 cc — 4 cyl.

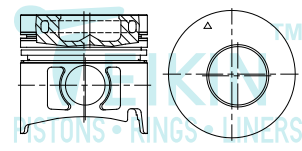
Ø	96.00	-20.0
CD	53.10	
TL	89.50	

1 - 2.5
1 - 2.0
1 - 4.0

Ø	30.000
TL	79.80

TL	170.0
OD	99.0
FT	5.0
FD	105.0

TEIKIN NO.
LKFF 44619
LKSF 44619
LKFF 44619AG
LKSF 44619AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44619 44619AG (44318)	R 44267	P 44296	B 44296	LFF 44619 LSF 44619

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.00 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-54T00	12033-43G10/1		12030-31N00	11012-54T00
12012-54T01	12033-54T10/1		12030-G2400	
12010-54T10				

146

TD27-LATE — 2663 cc — 4 cyl.

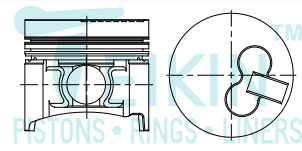
Ø	96.00	-1.8
CD	50.30	
TL	86.00	

1 - 2.5
1 - 2.0
1 - 3.0

Ø	30.000
TL	74.00

TL	160.0
OD	99.0
FT	5.08
FD	104.95

TEIKIN NO.
LKFF 44630
LKSF 44630
LKFF 44630A
LKSF 44630A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44630 44630A (44315)	R 44630	P 44630	B 44296	LFF 44267 LSF 44267

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 16.00 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-6T010	12033-6T010/1		12030-31N00	11012-2S000
12010-6T000			12030-G2400	11012-43G00
				11012-43G05
				11012-43G10

147

TD27-T — 2663 cc — 4 cyl.

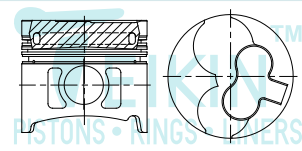
Ø	96.00	-1.7
CD	50.20	
TL	87.00	

1 - 2.5 HK
1 - 2.0
1 - 4.0

Ø	30.000
TL	79.80

TL	160.0
OD	99.0
FT	5.08
FD	104.95

TEIKIN NO.
LKFF 44621AG
LKSF 44621AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44621AG (44292)	R 44621	P 44296	B 44296	LFF 44267 LSF 44267

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 16.25 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-31N03	12033-31N11		12030-31N00	11012-2S000
12010-05D00/10	12033-37N10		12030-G2400	11012-43G00
12010-31N02/12/13	12033-63G10			11012-43G05
				11012-43G10

148

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

BD30T — 2953 cc — 4 cyl.

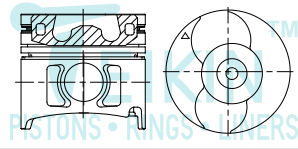
Ø	96.00	-21.2
CD	53.00	
TL	89.50	

1 - 2.5 HK
1 - 2.0
1 - 3.0

Ø 30.000
TL 79.80

TL	170.0
OD	99.0
FT	5.0
FD	105.0

TEIKIN NO.
LKFF 44654AG
LKSF 44654AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44654AG	R 44296	P 44296	B 44296	LFF 44619 LSF 44619

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.50 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-69T05 12010-69T06	12033-0W813/4 12033-0W81A 12033-2W211 12033-7F400		12030-31N00 12030-G2400	11012-54T00

149

ZD30 — 2953 cc — 4 cyl.

PATROL(GR) ~ TERRANO 2 (R20 ~ Y61) 2000-2004

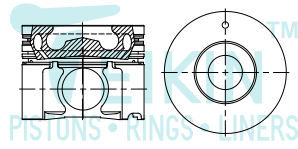
Ø	96.00	-19.6
CD	50.10	
TL	74.10	

1 - 2.5 HK
1 - 2.0
1 - 3.0

Ø 33.000
TL 78.00

TL	165.0	160.0
OD	100.0	100.0
FT	5.0	
FD	104.0	

TEIKIN NO.
LKSF 44672AG
LKSX 44672AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44672AG	R 44296	P 44297	B 44297	LSF 44672 LSX 44672

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.030 mm MP: 5.00 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-VC112 12010-VC111 12010-VC101 12010-VC102	12033-0W813/4 12033-0W81A 12033-2W211 12033-7F400		12030-1W400 12030-2W200	

150

ZD30 LATE — 2953 cc — 4 cyl.

PATROL(GR) ~ TERRANO 2 (R20 ~ Y61) 2004-2006

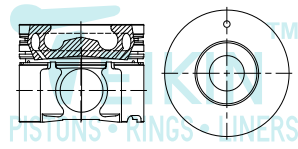
Ø	96.00	-19.6
CD	50.10	
TL	74.10	

1 - 2.5 HK
1 - 2.0
1 - 2.0

Ø 33.000
TL 78.00

TL	165.0	160.0
OD	100.0	100.0
FT	5.0	
FD	104.0	

TEIKIN NO.
LKSF 44673AG
LKSX 44673AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44673AG	R 44673	P 44297	B 44297	LSF 44672 LSX 44672

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.030 mm MP: 5.00 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-VK610 12010-VK600 12010-VX201 12010-VX211	12033-DB010 12033-VK610		12030-1W400 12030-2W200	

151

TD27-T NEW — 2664 cc — 4 cyl.

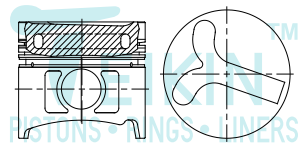
Ø	96.00	-2.2
CD	50.20	
TL	87.00	

1 - 2.5 HK
1 - 2.0
1 - 4.0

Ø 30.000
TL 79.80

TL	160.0
OD	99.0
FT	5.08
FD	104.95

TEIKIN NO.
LKFF 44674AG
LKSF 44674AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44674AG	R 44621	P 44296	B 44296	LFF 44267 LSF 44267

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 16.25 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-63G01 12010-63G11	12033-31N11 12033-37N10 12033-63G10		12030-31N00 12030-G2400	11012-2S000 11012-43G00 11012-43G05 11012-43G10

152

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

ZD30DDTI — 2953 cc — 4 cyl.

CABSTAR PATROL
F24M
Y61
2006-

Ø	96.00	-18.2
CD	50.10	
TL	78.10	

1 - 2.5 HK
1 - 2.0
1 - 2.0

Ø 33.000
TL 78.00

TL	165.0	160.0
OD	100.0	100.0
FT	5.0	
FD	104.0	

TEIKIN NO. LKSF 44678AG, LKSX 44678AG

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44678AG	R 44673	P 44297	B 44297	LSF 44672 LSX 44672

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-DB000 12010-DB010	12033-DB010 12033-VK610		12030-1W400 12030-2W200	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 8.50 mm

153

ZD30DD — 2953 cc — 4 cyl.

URVAN (E25)

Ø	96.00	-18.2
CD	50.10	
TL	74.10	

1 - 2.0
1 - 1.2
1 - 2.0

Ø 33.000
TL 78.00

TL	165.0	160.0
OD	100.0	100.0
FT	5.0	
FD	104.0	

TEIKIN NO. LKSF 44702AG, LKSX 44702AG

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44702AG	R 44702	P 44297	B 44297	LSF 44672 LSX 44672

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-VW200 12010-VW210 12010-VW211B	12033-VW211		12030-1W400 12030-2W200	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 5.00 mm

154

TD42 — 6 cyl.

Ø	96.00	-1.7
CD	50.20	
TL	86.95	

1 - 2.5
1 - 2.0
1 - 4.0

Ø 28.000
TL 80.00

TL	164.0	
OD	99.0	
FT	5.08	
FD	104.95	

TEIKIN NO. LKFF 44267-6, LKSF 44267-6, LKFF 44267A-6, LKSF 44267A-6

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44267-6 44267A-6	R 44267-6	P 44255	B 44267-6	LFF 44267-6 LSF 44267-6

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-10T02 12010-10T12 12010-43G02 12010-43G12	12033-06J01 12033-06J10 12033-06J11		12030-43G00	11012-06J00

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 15.80 mm

155

TD42-T — 4169 cc — 6 cyl.

Ø	96.00	-1.7
CD	50.20	
TL	87.00	

1 - 2.5 HK
1 - 2.0
1 - 4.0

Ø 30.000
TL 79.80

TL	164.0	
OD	99.0	
FT	5.08	
FD	104.95	

TEIKIN NO. LKFF 44621AG-6, LKSF 44621AG-6

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44621AG-6 (44292)	R 44621-6	P 44296	B 44630-6	LFF 44267-6 LSF 44267-6

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-31N03 12010-05D00 12010-05D10	12033-05D01		12030-31N00	11012-06J00

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 16.25 mm

156

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

TD42-LATE — 4169 cc — 6 cyl.

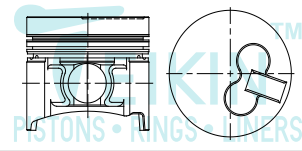
Ø	96.00	-1.8
CD	50.30	
TL	86.00	

1 - 2.5
1 - 2.0
1 - 3.0

Ø	30.000
TL	74.00

TL	164.0	
OD	99.0	
FT	5.08	
FD	104.95	

TEIKIN NO.
LKFF 44630-6
LKSF 44630-6
LKFF 44630A-6
LKSF 44630A-6



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44630-6 44630A-6	R 44630-6	P 44630	B 44630-6	LFF 44267-6 LSF 44267-6
				Surface Treatment None
REFERENCE NO. 12010-6T010 12010-6T000	**REFERENCE NO.** 12033-06J15		**REFERENCE NO.** 12030-31N00	**REFERENCE NO.** 11012-06J00

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 16.00 mm

157

ED30 — 2956 cc — 4 cyl.

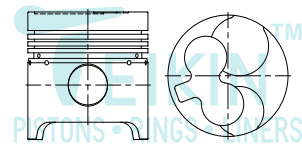
Ø	98.00	-1.5
CD	59.00	
TL	103.00	

1 - 3.0
2 - 2.0
1 - 4.5

Ø	32.000
TL	85.00

TL	184.5	
OD	111.0	
FT	8.0 + 0.9	
FD	117.0	

TEIKIN NO.
LKFF 44670



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44670	R 44670	P 44670	B 44670	LFF 44670
				Surface Treatment None
REFERENCE NO. 12010-J2000 12010-J2001	**REFERENCE NO.** 12033-J2001/2/4 12033-J2006/8 97011-02139		**REFERENCE NO.** 12030-J2000	**REFERENCE NO.** 11012-J2000 11012-J2001

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm MP: 10.00 mm

158

QD32 — 3153 cc — 4 cyl.

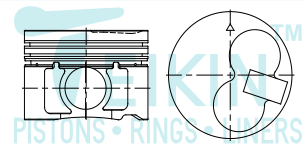
Ø	99.20	-2.4
CD	45.20	
TL	69.90	

1 - 2.5
1 - 2.0
1 - 3.0

Ø	33.000
TL	78.00

TL	160.0	155.0
OD	103.2	103.2
FT	5.0	
FD	107.0	

TEIKIN NO.
LKFX 44297
LKSF 44297
LKSX 44297
LKFX 44297A
LKSF 44297A
LKSX 44297A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44297 44297A	R 44297	P 44297	B 44297	LFX 44297* LSF 44297 LSX 44297
				Surface Treatment *Phosphate (PH)
REFERENCE NO. 12010-2S605	**REFERENCE NO.** 12033-2S610		**REFERENCE NO.** 12030-1W400 12030-2W200	**REFERENCE NO.** 11012-2S611

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 5.00 mm

159

QD32TI — 3153 cc — 4 cyl.

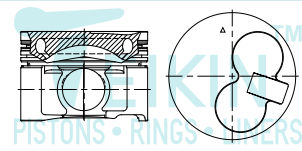
Ø	99.20	-2.6
CD	45.30	
TL	69.80	

1 - 2.5 HK
1 - 2.0
1 - 3.0

Ø	33.000
TL	79.00

TL	160.0	155.0
OD	103.2	103.2
FT	5.0	
FD	107.0	

TEIKIN NO.
LKFX 44683AG
LKSF 44683AG
LKSX 44683AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44683AG	R 44683	P 44683	B 44297	LFX 44297* LSF 44297 LSX 44297
				Surface Treatment *Phosphate (PH)
REFERENCE NO. 12010-2S615	**REFERENCE NO.** 12033-1W411		**REFERENCE NO.** 12030-1W400 12030-2W200	**REFERENCE NO.** 11012-2S611

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.060 mm MP: 5.50 mm

160

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET

ED33 — 3298 cc — 4 cyl.

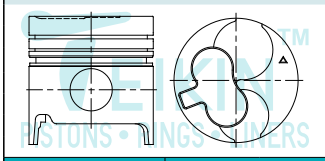
Ø	100.00	-1.9
CD	59.00	
TL	103.00	

1 - 3.0
1 - 2.0
1 - 4.5

Ø 34.000
TL 84.00

TL	191.0
OD	111.96
FT	8.1 + 1.0
FD	118.0

TEIKIN NO.
LKFF 44605
LKSF 44605
LKFF 44605A
LKSF 44605A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44605 **44605A** **(44286)**	**R 44605**	**P 43617**	**B 44605**	**LFF 44605** **LSF 44605**

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-J6500/1 12010-T9000/1 12010-T9010/20	12033-J6500/1 12033-J9000 12033T9000 12033-Z5004		12030-Z5000	11012-T9000 11012-T9001

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.120 mm MP: 11.00 mm

161

FD33-T — 3298 cc — 4 cyl.

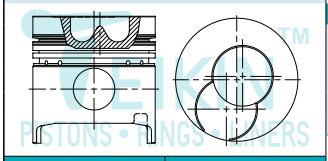
Ø	100.00	-20.9
CD	59.20	
TL	103.20	

1 - 3.1 HK
1 - 2.0
1 - 4.5

Ø 34.000
TL 85.00

TL	191.0
OD	113.0
FT	8.0 + 1.0
FD	119.0

TEIKIN NO.
LKFF 44629A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44629A **(44313)**	**R 44629**	**P 44629**	**B 44605**	**LFF 44629**

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-T9300 12010-T9310	12033-T9302 12033-T9307 12033-T9308		12030-Z5000	11012-02T01 11012-02T10 11012-T9017

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.120 mm MP: 15.00 mm

162

FD33 — 3298 cc — 4 cyl.

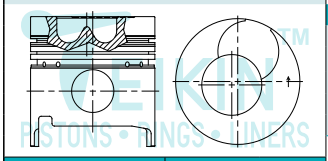
Ø	100.00	-20.9
CD	59.20	
TL	103.20	

1 - 3.0
1 - 2.0
1 - 4.5

Ø 34.000
TL 85.00

TL	191.0
OD	113.0
FT	8.0 + 1.0
FD	119.0

TEIKIN NO.
LKFF 44698A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44698A	**R 44605**	**P 44698**	**B 44605**	**LFF 44629**

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12010-T9313 12011-T9313	12033-J6500/1 12033-J9000 12033T9000 12033-Z5004		12030-Z5000	11012-02T01 11012-02T10 11012-T9017

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.120 mm MP: 22.50 mm

163

FD6T — 5654 cc — 6 cyl.

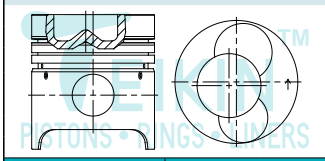
Ø	100.00	-21.7
CD	65.50	
TL	109.50	

1 - 3.0 HK
1 - 2.0
1 - 4.5

Ø 34.000
TL 83.50

TL	212.0
OD	112.0
FT	8.0 + 1.0
FD	118.0

TEIKIN NO.
LKFF 44323A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44323 **44323A**	**R 44323**	**P 39138**	**B 44323**	**LFF 44323***

Surface Treatment: Chromed O.D.

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12011-Z5572	12040-Z5528		12030-Z5000	11012-Z5001 11012-Z5020 11012-Z5508/9 11012-Z5512/6

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.130 mm MP: 21.75 mm

164

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

FD6T-II 5654 cc — 6 cyl.

Ø	100.00	1 - 3.0 HK	Ø	34.000		TL	212.0		TEIKIN NO.
	-18.7	1 - 2.0	TL	83.50		OD	112.0		LKFF 44657A
CD	65.50					FT	8.0 + 1.0		
TL	109.50	1 - 4.5				FD	118.0		
TEIKIN NO.	44657A	TEIKIN NO. R 44323	TEIKIN NO. P 39138	TEIKIN NO. B 44323	TEIKIN NO. LFF 44323*				
REFERENCE NO.	12010-Z5600	REFERENCE NO. 12040-Z5528		REFERENCE NO. 12030-Z5000	REFERENCE NO. 11012-Z5001, 11012-Z5020, 11012-Z5508/9, 11012-Z5512/6				

Surface Treatment: Chromed O.D.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.120 mm MP: 21.75 mm

165

FD6T-III 5654 cc — 6 cyl.

Ø	100.00	1 - 3.0 HK	Ø	34.000		TL	212.0		TEIKIN NO.
	-20.1	2 - 2.0	TL	83.50		OD	112.0		LKFF 44658A
CD	65.50					FT	8.0 + 1.0		
TL	109.50	1 - 4.5				FD	118.0		
TEIKIN NO.	44658A	TEIKIN NO. R 44658	TEIKIN NO. P 39138	TEIKIN NO. B 44323	TEIKIN NO. LFF 44323*				
REFERENCE NO.	12011-Z5509	REFERENCE NO. 12033-Z5502, 12033-Z5527, 12040-Z5527		REFERENCE NO. 12030-Z5000	REFERENCE NO. 11012-Z5001, 11012-Z5020, 11012-Z5508/9, 11012-Z5512/6				

Surface Treatment: Chromed O.D.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.120 mm MP: 21.75 mm

166

FD35 3465 cc — 4 cyl.

Ø	102.50	2 - 2.0	Ø	34.000		TL	191.0		TEIKIN NO.
	-16.9		TL	83.50		OD	113.0		LKFF 44620
CD	59.20					FT	8.0 + 1.0		
TL	98.20	1 - 4.0				FD	119.0		
TEIKIN NO.	44620 44620A (44288)	TEIKIN NO. R 44620	TEIKIN NO. P 39138	TEIKIN NO. B 44605	TEIKIN NO. LFF 44620				
REFERENCE NO.	12010-01T04	REFERENCE NO. 12033-01T10		REFERENCE NO. 12030-Z5000	REFERENCE NO. 11012-01T01				

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 14.50 mm

167

FD35-T 3465 cc — 4 cyl.

Ø	102.50	1 - 3.0 HK	Ø	34.000		TL	191.0		TEIKIN NO.
	-16.2	1 - 2.0	TL	85.00		OD	113.0		LKFF 44659 LKFF 44659A
CD	59.20					FT	8.0 + 1.0		
TL	98.10	1 - 4.0				FD	119.0		
TEIKIN NO.	44659 44659A	TEIKIN NO. R 44659	TEIKIN NO. P 44629	TEIKIN NO. B 44605	TEIKIN NO. LFF 44620				
REFERENCE NO.	12010-01T03	REFERENCE NO. 12033-01T60		REFERENCE NO. 12030-Z5000	REFERENCE NO. 11012-01T01				

Surface Treatment: None

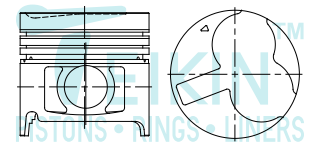
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 15.00 mm

168

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

ED35 — 3465 cc — 4 cyl.

Ø 102.50	1 - 3.0	Ø 34.000		TL 191.0		TEIKIN NO.
-4.2	1 - 2.0	TL 85.00		OD 113.0		LKFF 44694A
CD 59.00				FT 8.0 + 1.0		
TL 98.00	1 - 4.0			FD 119.0		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
44694A	R 44694	P 44694	B 44605	LFF 44620		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
12010-56T12	12033-56T10		12030-Z5000	11012-01T01		

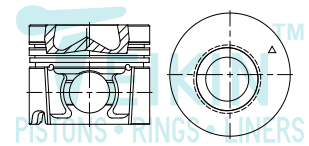


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 15.00 mm

169

FD46 — 4617 cc — 4 cyl.

Ø 108.00	1 - 3.0	Ø 36.000		TL 213.5		TEIKIN NO.
-22.2	1 - 2.0	TL 92.50		OD 111.0		LKFF 44618
CD 59.20				FT 8.0 + 1.0		LKSF 44618
TL 87.10	1 - 4.0			FD 116.0		LKFF 44618A
						LKSF 44618A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
44618 44618A (44314)	R 44618	P 44261	B 44618	LFF 44618 LSF 44618		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
12010-0T302 12010-0T312	12033-0T000/10 12033-0T011/60		12030-0T000 12030-0T001	11012-0T300 11012-03T001		

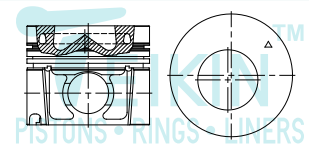


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 9.00 mm

170

FD42 — 4214 cc — 4 cyl.

Ø 108.00	1 - 3.0	Ø 36.000		TL 197.0		TEIKIN NO.
-21.6	1 - 2.0	TL 93.00		OD 111.0		LKFF 44665AG
CD 59.20				FT 8.0 + 0.9		LKSF 44665AG
TL 87.10	1 - 4.0			FD 115.9		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
44665AG	R 44618	P 44665	B 44618	LFF 44665 LSF 44665		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
12010-0T016	12033-0T000/10 12033-0T011/60		12030-0T000 12030-0T001	11012-0T000 11012-0T001		

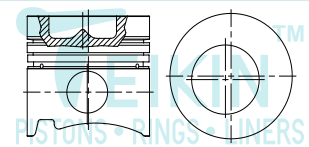


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 8.00 mm

171

FE6T — 6925 cc — 6 cyl.
CKA87H

Ø 108.00	1 - 3.0 HK	Ø 36.000		TL 217.0		TEIKIN NO.
-19.3	1 - 2.0	TL 92.50		OD 111.0		LKFF 44261
CD 65.50				FT 8.0 + 0.9		LKSF 44261
TL 103.50	1 - 4.0			FD 116.0		LKFF 44261A
						LKSF 44261A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
44261 44261A	R 44261	P 44261	B 44244	LFF 44261* LSF 44261		
				Surface Treatment		
				*Phosphate (PH)		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
12010-96507 12011-96507 12011-Z5768	12040-Z5502 12040-Z5512 12040-Z5517		12030-95000 12030-95001	11012-Z5518		



Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.150 mm MP: 15.60 mm

172

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

FE6T-II — 6 cyl.

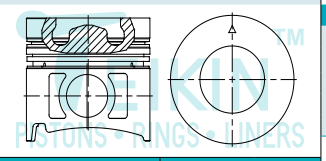
Ø	108.00	-23.0
CD	65.50	
TL	103.50	

1 - 2.5 HK
1 - 2.0
1 - 4.0

Ø 36.000
TL 92.50

TL	217.0
OD	111.0
FT	8.0 + 0.9
FD	116.0

TEIKIN NO. LKFF 44344A / LKSF 44344A



TEIKIN NO. (Piston)	TEIKIN NO. (Rings)	TEIKIN NO. (Pin)	TEIKIN NO. (Bushing)	TEIKIN NO. (Liner)
44344A	R 44656	P 44261	B 44244	LFF 44261* / LSF 44261

Surface Treatment: *Phosphate (PH)

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 15.50 mm

REFERENCE NO. (Piston)	REFERENCE NO. (Rings)	REFERENCE NO. (Bushing)	REFERENCE NO. (Liner)
12013-Z5572	12040-Z5519 12040-Z5560/1 12040-Z5564 12040-Z5919	12030-95000 12030-95001	11012-Z5518

173

FE6-TC — 6925 cc — 6 cyl.

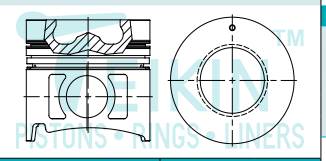
Ø	108.00	-20.8
CD	65.60	
TL	103.50	

1 - 2.6 HK
1 - 2.0
1 - 3.0

Ø 36.000
TL 92.50

TL	217.0
OD	111.0
FT	8.0 + 0.9
FD	116.0

TEIKIN NO. LKFF 44348A / LKSF 44348A



TEIKIN NO. (Piston)	TEIKIN NO. (Rings)	TEIKIN NO. (Pin)	TEIKIN NO. (Bushing)	TEIKIN NO. (Liner)
44348A	R 44348	P 44261	B 44244	LFF 44261* / LSF 44261

Surface Treatment: *Phosphate (PH)

Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.030 mm MP: 15.50 mm

REFERENCE NO. (Piston)	REFERENCE NO. (Rings)	REFERENCE NO. (Bushing)	REFERENCE NO. (Liner)
12013-Z5712	12033-31D03	12030-95000 12030-95001	11012-Z5518

174

FE6TA — 6925 cc — 6 cyl.

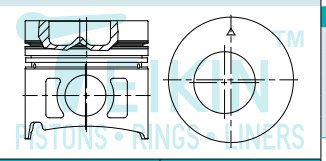
Ø	108.00	-22.1
CD	65.50	
TL	103.50	

1 - 2.5 HK
1 - 2.0
1 - 4.0

Ø 36.000
TL 92.50

TL	217.0
OD	111.0
FT	8.0 + 0.9
FD	116.0

TEIKIN NO. LKFF 44656A / LKSF 44656A



TEIKIN NO. (Piston)	TEIKIN NO. (Rings)	TEIKIN NO. (Pin)	TEIKIN NO. (Bushing)	TEIKIN NO. (Liner)
44656A	R 44656	P 44261	B 44244	LFF 44261* / LSF 44261

Surface Treatment: *Phosphate (PH)

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 15.50 mm

REFERENCE NO. (Piston)	REFERENCE NO. (Rings)	REFERENCE NO. (Bushing)	REFERENCE NO. (Liner)
12010-Z5507	12040-Z5519 12040-Z5560/1 12040-Z5564 12040-Z5919	12030-95000 12030-95001	11012-Z5518

175

FE6 — 6925 cc — 6 cyl.

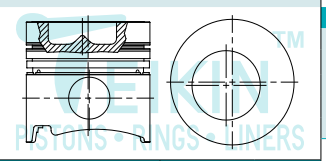
Ø	108.00	-19.5
CD	65.30	
TL	103.50	

1 - 3.0
1 - 2.0
1 - 4.0

Ø 36.000
TL 92.00

TL	217.0
OD	111.0
FT	8.0 + 0.9
FD	116.0

TEIKIN NO. LKFF 44667A / LKSF 44667A



TEIKIN NO. (Piston)	TEIKIN NO. (Rings)	TEIKIN NO. (Pin)	TEIKIN NO. (Bushing)	TEIKIN NO. (Liner)
44667A	R 44667	P 44261	B 44244	LFF 44261* / LSF 44261

Surface Treatment: *Phosphate (PH)

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.160 mm MP: 15.00 mm

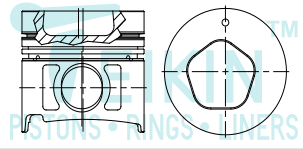
REFERENCE NO. (Piston)	REFERENCE NO. (Rings)	REFERENCE NO. (Bushing)	REFERENCE NO. (Liner)
12011-Z5615 12011-Z5801	12040-Z5211 12040-Z5504 12040-Z5511	12030-95000 12030-95001	11012-Z5518

176

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

FE6T NEW — 6925 cc — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 108.00	1 - 2.5 HK	Ø 36.000		TL 217.0			TEIKIN NO.
-21.0	1 - 2.0	TL 90.00		OD 111.0			LKFF 44692A
CD 65.50				FT 8.0 + 0.9			LKSF 44692A
TL 103.50	1 - 4.0			FD 116.0			
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
44692A	R 44656	P 44692	B 44244	LFF 44261*			
				LSF 44261			
				Surface Treatment			
				*Phosphate (PH)			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
12010-Z5968	12040-Z5519		12030-95000	11012-Z5518			
12011-Z5968	12040-Z5560/1		12030-95001				
	12040-Z5564						
	12040-Z5919						



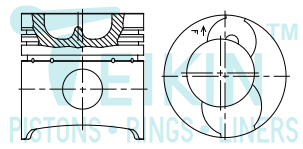
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm
Anodized Crown	MP: 14.50 mm

177

ND6 — 6842 cc — 6 cyl.

CK 10
1969

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 110.00	1 - 4.0	Ø 36.000		TL 229.0			TEIKIN NO.
-23.4	1 - 3.0	TL 94.50		OD 115.0			LKFF 44244
CD 68.20				FT 3.0 + 1.0			LKSF 44244
TL 113.05	1 - 5.0			FD 118.9			
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
44244	R 44244	P 44244	B 44244	LFF 44244			
44244A				LSF 44244			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
12011-95000	12040-90127		12030-95000	11012-95001			
12011-95004	12040-95006		12030-95001	11012-95002			
	12040-95025						



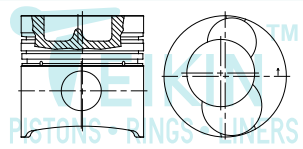
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.150 mm
	MP: 20.50 mm

178

NE6 — 7412 cc — 6 cyl.

CK 12

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 110.00	1 - 3.0 HK	Ø 36.000		TL 229.0			TEIKIN NO.
-23.2	1 - 2.5	TL 94.50		OD 115.0			LKFF 44246
CD 68.20				FT 3.0 + 1.0			LKSF 44246
TL 110.20	1 - 4.0			FD 118.9			LKFF 44246A
							LKSF 44246A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
44246	R 44246	P 44244	B 44244	LFF 44244			
44246A				LSF 44244			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
12011-95105	12040-95012/3/4/6		12030-95000	11012-95001			
12011-95073	12040-95029		12030-95001	11012-95002			
	12040-95125						

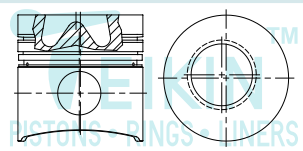


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.160 mm
	MP: 17.00 mm

179

NE6T — 7412 cc — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 110.00	1 - 3.0 HK	Ø 38.000					
-27.8	1 - 2.5	TL 92.50					
CD 68.30							
TL 110.30	1 - 4.0						
TEIKIN NO.		TEIKIN NO.					
44320A		P 43105					
REFERENCE NO.							
12011-94114							



Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.140 mm
	MP: 16.50 mm

180

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

PD6 — 10308 cc — 6 cyl.

1970

Ø	125.00	-28.2
CD	82.00	
TL	132.00	

1 - 5.0
1 - 3.5
1 - 5.0

Ø	46.000
TL	107.00

TL	259.0
OD	130.0
FT	3.0 + 1.0
FD	133.9

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44236 44236A	R 44236	P 44236	B 44236	LFF 44236

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12011-96000 12011-96007	12040-90029 12040-96009/26 12040-96127 12040-96226		12030-96000 12030-96001	11012-96000 11012-96001

Surface Treatment	Bore Clearance
None	MRC: 0.150 mm MP: 20.00 mm

TEIKIN NO.: LKFF 44236, LKFF 44236A

181

PD6-T — 10308 cc — 6 cyl.

Ø	125.00	-28.2
CD	82.00	
TL	132.00	

1 - 4.0 FK
1 - 3.5
1 - 5.0

Ø	46.000
TL	108.00

TL	259.0
OD	130.0
FT	3.0 + 1.0
FD	134.0

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44679A	R 44679	P 44679	B 44236	LFF 44236

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12011-96005 12011-96009	12040-90228 12040-96005 12040-96125/9		12030-96000 12030-96001	11012-96000 11012-96001

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.170 mm MP: 13.50 mm

TEIKIN NO.: LKFF 44679A

182

PE6-T — 11670 cc — 6 cyl.

Ø	133.00	-32.5
CD	82.00	
TL	132.00	

1 - 4.0 HK
1 - 3.5
1 - 6.0

Ø	46.000
TL	116.00

TL	259.0
OD	138.0
FT	3.0 + 1.0
FD	142.0

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44330A	R 44330	P 44242	B 44236	LFF 44330

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12011-96509 12011-96776 12011-96564	12040-96504 12040-96509 12040-96513 12040-96518		12030-96000 12030-96001	11012-96500 11012-96501 11012-96566

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.170 mm MP: 10.00 mm

TEIKIN NO.: LKFF 44330A

183

PE6 — 11670 cc — 6 cyl.

Ø	133.00	-32.5
CD	82.00	
TL	132.00	

1 - 4.0 FK
1 - 3.5
1 - 6.0

Ø	46.000
TL	116.00

TL	259.0
OD	138.0
FT	3.0 + 1.0
FD	142.0

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
44655A	R 44655	P 44242	B 44236	LFF 44330

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
12011-96508 12011-96516	12040-96028 12040-96128 12040-96500 12040-96503		12030-96000 12030-96001	11012-96500 11012-96501 11012-96566

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.160 mm MP: 13.50 mm

TEIKIN NO.: LKFF 44655A

184

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

RD8 — 14313 cc — 1972 — 8 cyl.

Ø	135.00	1 - 4.0	Ø	46.000		TL	243.0		TEIKIN NO.
	-25.1	1 - 3.0	TL	116.00		OD	152.96		LKFF 44242
CD	82.00					FT	8.15 + 1.0		LKFF 44242A
TL	136.90	1 - 6.0				FD	161.05		
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.				
44242		R 44242	P 44242		B 44242-10	LFF 44242			
44242A									
						Surface Treatment			
						None			
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.	REFERENCE NO.			
12011-97004		12040-97007			12030-97000	11012-97001			
12011-97006		12040-97126			12030-97001	11012-97025			
12011-97012/79		12040-97127			12030-97002	11012-97063			
		12040-97527				11012-97077			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.160 mm MP: 26.00 mm

185

RE8 — 8 cyl.

Ø	135.00	2 - 3.0	Ø	46.000		TL	238.0		TEIKIN NO.
	-27.5		TL	116.00		OD	154.0		LKFF 44264A
CD	78.50					FT	11.1 + 3.1		
TL	137.00	1 - 5.0				FD	161.1		
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.				
44264A		R 44264	P 44242		B 44242	LFF 44264			
						Surface Treatment			
						None			
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.	REFERENCE NO.			
12011-97107		12040-97012/61/68			12030-97000	11012-97118			
		12040-97074/9			12030-97001	11012-97161			
		12040-97325/427			12030-97002	11012-97127			
		12040-97625							

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.150 mm MP: 31.00 mm

186

RE10 — 10 cyl.

Ø	135.00	2 - 3.0	Ø	46.000		TL	238.0		TEIKIN NO.
	-27.5		TL	116.00		OD	154.9		LKFF 44264A-10
CD	78.50					FT	11.1 + 3.1		LKSF 44264A-10
TL	137.00	1 - 5.0				FD	161.1		
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.				
44264A-10		R 44264-10	P 44242		B 44242-10	LFF 44264-10			
						LSF 44264-10			
						Surface Treatment			
						None			
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.	REFERENCE NO.			
12011-97107		12040-97012/61/68			12030-97000	11012-97118			
		12040-97074/9			12030-97001	11012-97161			
		12040-97325/427			12030-97002	11012-97127			
		12040-97625							

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.150 mm MP: 31.00 mm

187

RF8 — 8 cyl.

Ø	138.00	2 - 2.5	Ø	46.000		TL	238.0		TEIKIN NO.
	-24.7		TL	116.00		OD	159.0		LKFF 44290
CD	78.60					FT	11.1 + 1.3		LKSF 44290
TL	137.00	1 - 4.0				FD	167.0		LKFF 44290A
									LKSF 44290A
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.				
44290		R 44290	P 44242		B 44242	LFF 44290			
44290A						LSF 44290			
						Surface Treatment			
						None			
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.	REFERENCE NO.			
12011-97165 (R)		12040-97072			12030-97000	11012-97164			
12011-97161 (L)		12040-97104			12030-97001	11012-97171			
					12030-97002	11012-97178			

*Right Side Shown

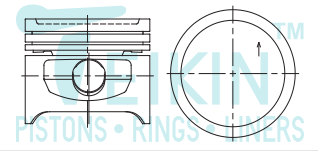
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 30.40 mm

188

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
RF10 10 cyl.	Ø 138.00 -24.7 CD 78.60 TL 137.00	2 - 2.5 1 - 4.0	Ø 46.000 TL 116.00					
	TEIKIN NO. 44290-10 44290A-10		TEIKIN NO. P 44242					
*Right Side Shown Surface Treatment: Tin Coated Bore Clearance: MRC: 0.050 mm MP: 30.40 mm	REFERENCE NO. 12011-97165 (R) 12011-97161 (L)							189

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

X 1.2 SZ — 1195 cc — 4 cyl.



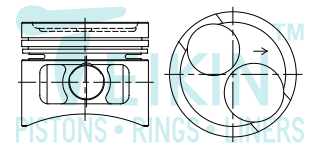
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 9.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 72.00 -2.8 CD 32.05 TL 59.00	2 - 1.5 1 - 3.0	Ø 18.000 TL 50.00				
TEIKIN NO. **56607**	**TEIKIN NO.** **R 56607**	**TEIKIN NO.** **P 45136**				
REFERENCE NO. 624 224 904 692 66 904 692 70 904 692 71	**REFERENCE NO.** KS: 800036940000 MAHLE: 011 50 N0 G-0830750000					

1

1300S, 13S — 1297 cc — 4 cyl.

ASCONA 1.3L
KADETT ' T ' CAT 1.3 GL
KADETT 1300 CL & GLS
1980

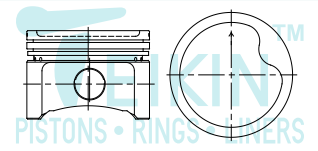


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 10.45 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 75.00 -3.6 CD 35.90 TL 62.30	2 - 1.5 1 - 4.0	Ø 20.000 TL 65.00				
TEIKIN NO. **56101** **(48103)**	**TEIKIN NO.** **R 56101**	**TEIKIN NO.** **P 56101**				
REFERENCE NO. KS : 93 868 600	**REFERENCE NO.** KS: 800020340000					

2

1.3 NE — 4 cyl.



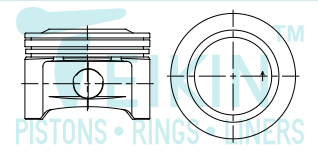
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 10.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 75.00 -3.4 CD 32.10 TL 53.10	2 - 1.5 1 - 3.0	Ø 18.000 TL 47.50				
TEIKIN NO. **56106** **(48121)**		**TEIKIN NO.** **P 30110**				
REFERENCE NO.						

3

Z 1.4 XE — 1389 cc — 4 cyl.

ASTRA 1999
CORSA 1999
L4 DOHC 16 VÁLV.



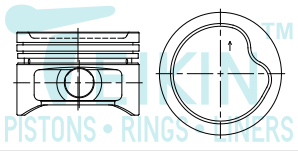
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 10.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 77.60 +2.4 CD 31.30 TL 55.70	1 - 1.2 1 - 1.5 1 - 2.0	Ø 18.000 TL 56.00				
TEIKIN NO. **56110**	**TEIKIN NO.** **R 56110**	**TEIKIN NO.** **P 30104**				
REFERENCE NO. 24407186 MAHLE: 012 10 00	**REFERENCE NO.** MAHLE: 012 10 N0					

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

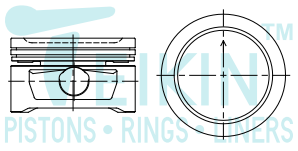
14 NV, 14 NVH — 1389 cc — 4 cyl.
C 14 NZ KAT
CORSA A 1.4 1990-93
KADETT E 1.4 1989-91
CHEVY, JOY
SWING 94-00.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 7.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 77.60 -3.4 CD 32.10 TL 52.60	2 - 1.5 1 - 3.0	Ø 18.000 TL 53.00				
TEIKIN NO. 56600 (48122)	TEIKIN NO. R 56600	TEIKIN NO. P 46332				
REFERENCE NO. KS : 97 286 600 93218385	REFERENCE NO. KS: 800020540000 MAHLE: 011 06 N0					5

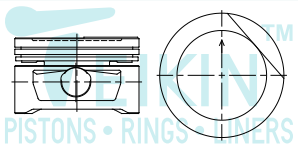
1.6 SE — 4 cyl.
CORSA EFI
PICK UP
CHEVY 97-02
JOY 97-02
SWING 96-02



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 5.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 79.00 -3.1 CD 28.00 TL 47.90	1 - 1.2 1 - 1.5 1 - 3.0	Ø 18.000 TL 56.00				
TEIKIN NO. 56102 (48114)		TEIKIN NO. P 30104				
REFERENCE NO. 93267244						6

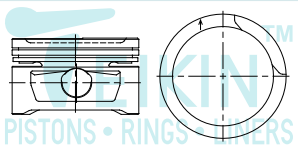
1.6 SV, 16 SV KAT — 1598 cc — 4 cyl.
E 16 SE
KADETT 1600, MONZA 1600
ASCONA 1600
1987 - ON



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 5.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 79.00 +0.5 CD 27.95 TL 48.50	1 - 1.2 1 - 1.5 1 - 3.0	Ø 18.000 TL 56.00				
TEIKIN NO. 56103	TEIKIN NO. R 56103	TEIKIN NO. P 30104				
REFERENCE NO. KS : 90 556 605	REFERENCE NO. KS: 800020740000 MAHLE: 011 08 N0 G-0830690000 T-50011					7

1.6 LZ — 1598 cc — 4 cyl.
ASCONA, KADETT 1986-87



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 5.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 79.00 +0.3 CD 28.00 TL 48.30	1 - 1.2 1 - 1.5 1 - 3.0	Ø 18.000 TL 56.00				
TEIKIN NO. 56109	TEIKIN NO. R 56103	TEIKIN NO. P 30104				
REFERENCE NO. MAHLE:011 08 00 KS : 90 555 605	REFERENCE NO. KS: 800020740000 MAHLE: 011 08 N0 G-0830690000 T-50011					8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
X 1.6 XE / XEL 1598 cc, 4 cyl.	Ø 79.00 / -0.8 CD 28.00 TL 51.00	1 - 1.2 1 - 1.5 1 - 3.0	Ø 18.000 TL 56.00				
	TEIKIN NO. 56603	TEIKIN NO. R 56103	TEIKIN NO. P 30104				
Surface Treatment: Tin Coated Bore Clearance: MRC: 0.030 mm, MP: 9.00 mm	REFERENCE NO. KS : 94 637 600	REFERENCE NO. KS: 800020740000, MAHLE: 011 08 N0					9
X18XE 1796 cc, 4 cyl. ASTRA 1.8I 16V 1997- VECTRA 1.8I 16V 1998- ZAFIRA 1.8I 16V 1999- MERIVA 1.8I 16V 2003- L4 16 VÁLV. , DOHC	Ø 80.50 CD 24.10 TL 44.70	2 - 1.2 1 - 2.0	Ø 18.000 TL 56.00				
	TEIKIN NO. 56113	TEIKIN NO. R 56113	TEIKIN NO. P 30104				
Surface Treatment: Tin Coated, Moly Skirt Bore Clearance: MRC: 0.030 mm, MP: 9.00 mm	REFERENCE NO. KS : 99 741 601	REFERENCE NO. KS: 800038940000, MAHLE: 012 02 N0					10
1800 1796 cc, 4 cyl. MONZA 1800 KADET 1800 ASCONA 1800 1987	Ø 84.80 / -4.0 CD 33.65 TL 53.65	2 - 1.5 1 - 3.0	Ø 21.000 TL 61.50				
	TEIKIN NO. 56104 (48104)		TEIKIN NO. P 56104				
Surface Treatment: Tin Coated Bore Clearance: MRC: 0.020 mm, MP: 5.85 mm	REFERENCE NO.						11
C20XE4V KAT 1998 cc, 4 cyl.	Ø 86.00 / -0.8 CD 30.40 TL 55.30	2 - 1.5 1 - 3.0	Ø 21.000 TL 61.50				
	TEIKIN NO. 56107 (48118)	TEIKIN NO. R 56107	TEIKIN NO. P 56104				
Surface Treatment: Tin Coated Bore Clearance: MRC: 0.030 mm, MP: 9.00 mm	REFERENCE NO. KS : 91 023 700	REFERENCE NO. KS: 800021240000, MAHLE: 011 58 N0					12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

2.0 X — 2000 cc — 4 cyl.

Ø	86.00	-5.1
CD	30.40	
TL	50.40	

Rings: 2 - 1.5 / 1 - 3.0

Pin: Ø 21.000, TL 61.50

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
56108	R 56107	P 56104

REFERENCE NO.	REFERENCE NO.
MAHLE:011 75 00	KS: 800021240000 MAHLE: 011 58 N0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 3.00 mm

13

Z 22 SE — 2198 cc — 4 cyl.
VECTRA B 2000-2002
VECTRA C 2001-
ASTRA G 2000-2004
ZAFIRA 2000-
L4 DOHC 16 VÁLV

Ø	86.00	-0.6
CD	26.80	
TL	48.90	

Rings: 1 - 1.2 / 1 - 1.5 / 1 - 2.5

Pin: Ø 20.000, TL 62.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
56111	R 56111	P 38129

REFERENCE NO.	REFERENCE NO.
90537911 KS:94 912 600	KS: 800049140000 MAHLE: 012 20 N0

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 9.50 mm

14

C20NE KAT — 1998 cc — 4 cyl.
VECTRA A 1988-1995
ASTRA E 1986-1991
ASTRA F 1991-1998
L4 SOHC 8 VALV.

Ø	86.00	-5.0
CD	30.40	
TL	55.40	

Rings: 2 - 1.5 / 1 - 3.0

Pin: Ø 21.000, TL 61.50

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
56112	R 56107	P 56104

REFERENCE NO.	REFERENCE NO.
93359959 KS:92 123 600	KS: 800021240000 MAHLE: 011 58 N0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.50 mm

15

20 SE, X20 SE KAT — 1998 cc — 4 cyl.
ASCONA C20 1987-88
KADETT E20 1986-91
OMEGA A 2.0

Ø	86.00	-5.0
CD	30.40	
TL	50.40	

Rings: 2 - 1.5 / 1 - 3.0

Pin: Ø 21.000, TL 61.50

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
56601 (48115)	R 56107	P 56104

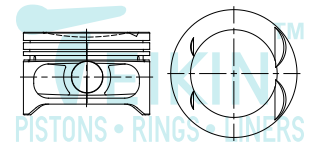
REFERENCE NO.	REFERENCE NO.
KS : 90 245 600	KS: 800021240000 MAHLE: 011 58 N0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 3.00 mm

16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
						LINER		

C 2.0 XEV — **1998 cc** — 4 cyl.
X 2.0 XEV

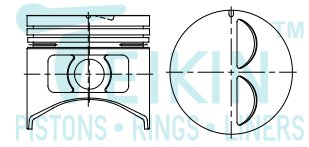


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 9.00 mm

PISTON SET	RINGS	PIN
Ø 86.00 -3.2	2 - 1.5	Ø 21.000
CD 30.10		TL 61.50
TL 55.50	1 - 3.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
56604	**R 56107**	**P 56104**
REFERENCE NO.	**REFERENCE NO.**	
KS : 97 332 600	KS: 800021240000	
MAHLE: 011 73 00	MAHLE: 011 58 N0	

17

20E CIH, 20S — **1979 cc** — 4 cyl.
ASCONA B20 1977-81
MONZA A2.0, A3.0
REKORD D2.0, E2.0
MANTA B2.0, SENATOR A2.0

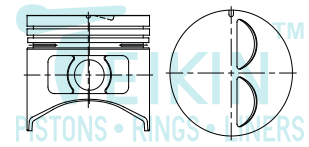


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 26.00 mm

PISTON SET	RINGS	PIN
Ø 95.00 -3.5	2 - 2.0	Ø 23.000
CD 45.00		TL 76.00
TL 87.00	1 - 4.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
56105 (48119)	**R 56105**	**P 56105**
REFERENCE NO.	**REFERENCE NO.**	
KS : 93 221 600	KS: 800021720000	

18

3.0 E/NE — **2969 cc** — 6 cyl.
OMEGA 78-04
SENATOR 1978-
MONZA 1978-



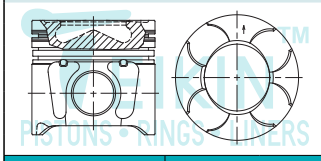
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 26.00 mm

PISTON SET	RINGS	PIN
Ø 95.00 -3.5	2 - 2.0	Ø 23.000
CD 45.00		TL 76.00
TL 87.00	1 - 4.0	
TEIKIN NO.		**TEIKIN NO.**
56105-6		**P 56105**
REFERENCE NO.		
KS : 93 221 600		

19

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

Y 13 DT/Z 13 DT — 1248 cc
1.3 LITRE DIESEL COMBO — 4 cyl.

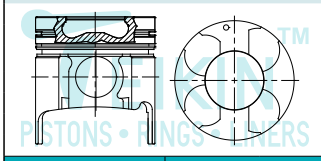


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.050 mm MP: 7.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 69.60	1 - 2.0	Ø 23.000				
-12.4	1 - 1.5	TL 56.50				
CD 40.43						
TL 63.43	1 - 2.0					
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**				
56605A	**R 56605**	**P 56605**				
REFERENCE NO.	**REFERENCE NO.**					
KS: 40 213 600	MAHLE: 010 04 N0					
Mahle: 010 04 00						

20

Y 17 DT/DTL — 1686 cc
ISUZU 4EE1T NEW — 4 cyl.
1.7 LITRE DIESEL COMBO



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.040 mm MP: 27.00 mm

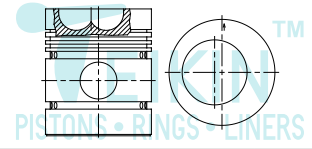
PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 79.00	1 - 2.0	Ø 27.000		TL 144.0	144.0	TEIKIN NO.
-14.0	1 - 1.5	TL 64.00		OD 83.0	83.0	LKSF 56606A
CD 39.70				FT 2.0		LKSX 56606A
TL 84.00	1 - 3.0			FD 87.0		
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**		**TEIKIN NO.**		
56606A	**R 56606**	**P 39189**		**LSF 56606** **LSX 56606**		
				Surface Treatment		
				None		
REFERENCE NO.	**REFERENCE NO.**			**REFERENCE NO.**		
8-97188-927-2	8-94381-709-0 8-94381-709-1 KS: 800071940000 MAHLE: 629 20 V0					

21

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

68322 (NEW) — 3335 cc — 4 cyl.

AD 4.203, D 4 .203
AD 3.152, D 3.152 (3Cyl.)

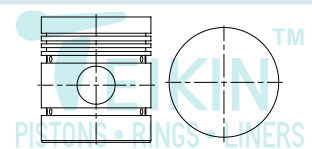


Surface Treatment	Bore Clearance
None	MRC: 0.140 mm MP: 20.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 91.48 -18.5 CD 61.90 TL 109.60	2 - 2.4 1 - 3.2 2 - 6.4	Ø 31.750 TL 75.00				
TEIKIN NO. G8102 G8102A		TEIKIN NO. P 42149				
REFERENCE NO. KS: 92 772 600						

1

MF-5F — 4 cyl.

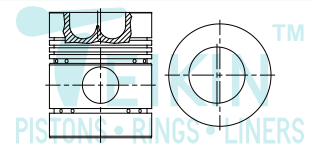


Surface Treatment	Bore Clearance
None	MRC: 0.140 mm MP: 20.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 91.48 CD 56.90 TL 104.60	2 - 2.4 1 - 3.2 2 - 6.4	Ø 31.750 TL 75.00				
TEIKIN NO. G8106 G8106A		TEIKIN NO. P 42149				
REFERENCE NO.						

2

6.354 — 6 cyl.

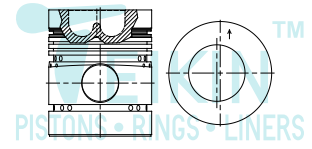


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.110 mm MP: 23.40 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 98.43 -25.4 CD 69.80 TL 120.60	3 - 2.4 2 - 6.4	Ø 34.925 TL 84.00				
TEIKIN NO. G8101		TEIKIN NO. P G8101				
REFERENCE NO.						

3

MOT 6.354-II — 1972-92 — 6 cyl.



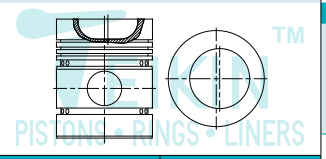
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.130 mm MP: 23.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 98.43 -25.4 CD 69.90 TL 120.60	1 - 3.2 2 - 2.4 2 - 6.4	Ø 34.925 TL 84.00				
TEIKIN NO. G8105A		TEIKIN NO. P G8101				
REFERENCE NO. 354-2-3						

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

4.236, A 4.236 — **3864 cc** — 1961-ON — 4 cyl.

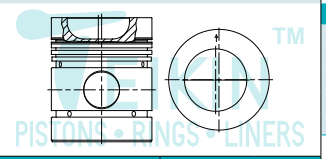


Surface Treatment	Bore Clearance
None	MRC: 0.180 mm MP: 23.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 98.48 -20.5 CD 70.30 TL 121.00	3 - 2.4 2 - 6.4	Ø 34.925 TL 84.00				
TEIKIN NO. **G8104**		TEIKIN NO. **P G8104**				
REFERENCE NO. 68301 KS: 91 118 600						

5

26.63 — 4 cyl.

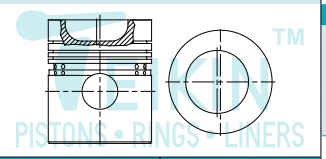


Surface Treatment	Bore Clearance
None	MRC: 0.150 mm MP: 21.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 98.48 -20.9 CD 70.60 TL 121.40	3 - 2.4 2 - 6.4	Ø 34.925 TL 84.00				
TEIKIN NO. **G8107** **G8107A**		TEIKIN NO. **P G8101**				
REFERENCE NO.						

6

4.248 — **4067 cc** — 1963-ON — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.184 mm MP: 16.70 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 101.05 -20.7 CD 69.88 TL 120.75	3 - 2.4 1 - 6.4	Ø 34.925 TL 84.00				
TEIKIN NO. **G8103**		TEIKIN NO. **P G8101**				
REFERENCE NO. KS: 92 144 800						

7

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

TU3 JP — 1360 cc — 4 cyl.

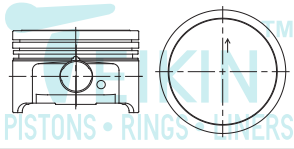
Ø	75.00	+0.3
CD	27.70	
TL	50.00	

Ø	17.984
TL	55.00

2 - 1.5
1 - 2.5

TEIKIN NO.	TEIKIN NO.
67101	P 67101

REFERENCE NO.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 10.00 mm

1

EP6C — 1598 cc — 4 cyl.

MINI CLUB MAN, ONE, COOPER
PEUGEOT 207, 208, 308, 3008
DOHC 16V

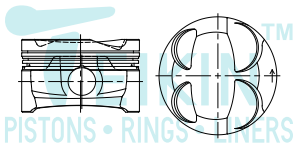
Ø	77.00	-2.0
CD	27.50	
TL	47.50	

1 - 1.2
1 - 1.5
1 - 2.0

Ø	18.000
TL	43.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
67108	R 67108	P 42224

REFERENCE NO.	REFERENCE NO.
0628.T1	KS : 800115910000



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 5.00 mm

2

EP6 — 4 cyl.

PEUGEOT 207/208/308/508/ /3008/5008 (07-18)
CITROEN C4 / C5 / DS3 / DS4 (04-16)
MINI COOPER (05-15)

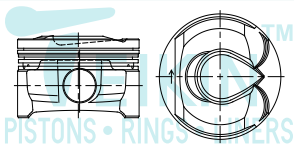
Ø	77.00	+2.1
CD	28.60	
TL	50.40	

1 - 1.2
1 - 1.5
1 - 2.0

Ø	20.000
TL	48.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
67110	R 67110	P 67110

REFERENCE NO.	REFERENCE NO.
11257540609 11257566019 7540609 7566019 0628S1 / T4	11257566479 G-0681650050 KS: 800115910000 MAHLE: 081RS001040N0



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 5.50 mm

3

1.6L — 4 cyl.

PARTNER 04-11
GRAND RAID 07-11
207 COMPACT 09-11
TU5JP4 (N6A) 2004-2011 206 01-11
DOHC 16 VAL.

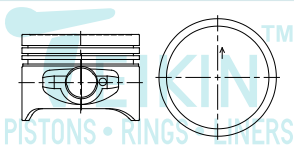
Ø	78.50	-0.3
CD	32.20	
TL	57.50	

2 - 1.5
1 - 3.0

Ø	19.490
TL	62.00

TEIKIN NO.	TEIKIN NO.
67104	P 67104

REFERENCE NO.
06.28.J0



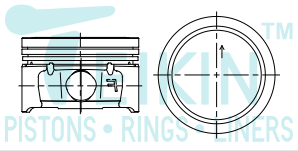
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 9.50 mm

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

TU5JP4 — 1587 cc — 4 cyl.

206 01-11
GRAND RAID 07-11
207 COMPACT 09-11
PARTNER 04-11
DOHC 16V

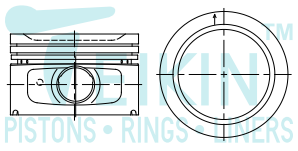


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 5.50 mm

PISTON SET	RINGS	PIN
Ø 78.50 +0.2	1 - 1.2 1 - 1.5	Ø 19.490 TL 56.80
CD 32.30 TL 50.20	1 - 2.5	
TEIKIN NO. **67106**	**TEIKIN NO.** **R 67106**	**TEIKIN NO.** **P 67106**
REFERENCE NO. 0628.N2 0628.N0 N-8713940000	**REFERENCE NO.** 0640R5 G-0813940000 KS: 800050910000 MAHLE: 04004N0	

5

XU5 JP — 1580 cc — 4 cyl.



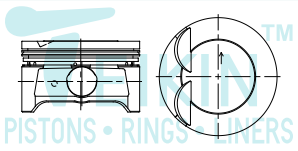
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.043 mm MP: 5.00 mm

PISTON SET	RINGS	PIN
Ø 83.00 -4.1	2 - 1.5	Ø 22.000 TL 62.00
CD 33.30 TL 53.30	1 - 3.0	
TEIKIN NO. **67102**		**TEIKIN NO.** **P 43222**
REFERENCE NO.		

6

EW10A — 1998 cc — 4 cyl.

307 CC 06-10
307 SEDAN 07-10
307 Xsi, X LINE-FELINE 06-10
DOHC 16V

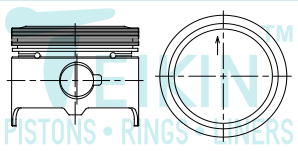


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 9.50 mm

PISTON SET	RINGS	PIN
Ø 85.00 +0.2	1 - 1.2 1 - 1.5	Ø 21.000 TL 56.00
CD 29.00 TL 51.20	1 - 2.5	
TEIKIN NO. **67107**	**TEIKIN NO.** **R 67107**	**TEIKIN NO.** **P 38151**
REFERENCE NO. 0628.R7 0628 T8	**REFERENCE NO.** KS :800059240000 MAHLE :04016N0	

7

XN1/XN1A/XN1T — 1971 cc — 4 cyl.

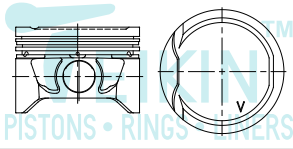
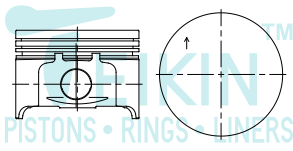
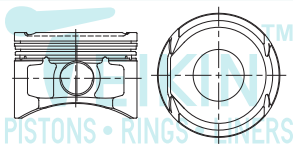
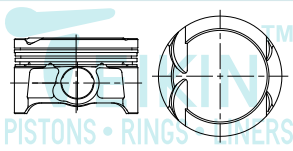


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 17.00 mm

PISTON SET	RINGS	PIN
Ø 88.00 +1.2	1 - 1.5 1 - 2.0	Ø 23.000 TL 74.00
CD 38.00 TL 72.00	1 - 4.0	
TEIKIN NO. **67103**		**TEIKIN NO.** **P 67103**
REFERENCE NO.		

8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
D4F 1149 cc CLIO CAMPUS TWINO 16 VALVE 2006 4 cyl.	Ø 69.00 -1.1 CD 26.70 TL 44.70	1 - 1.2 1 - 1.5 1 - 2.5	Ø 17.500 TL 54.00				
	TEIKIN NO. 70104	TEIKIN NO. R 70104	TEIKIN NO. P 70104				
	REFERENCE NO. 77 01 475 781	REFERENCE NO. KS: 800056740000 MAHLE: 02216N0					1
Surface Treatment: Tin Coated Bore Clearance: MRC: 0.030 mm MP: 7.00 mm							
D7F 1149 cc CLIO 1998 4 cyl.	Ø 69.00 CD 27.10 TL 46.40	2 - 1.5 1 - 2.5	Ø 17.500 TL 54.00				
	TEIKIN NO. 70105		TEIKIN NO. P 70104				
	REFERENCE NO.						2
Surface Treatment: Tin Coated Bore Clearance: MRC: 0.030 mm MP: 8.00 mm							
K4J 4 cyl.	Ø 79.50 -2.2 CD 37.20 TL 64.60	2 - 1.5 1 - 2.5	Ø 19.990 TL 61.50				
	TEIKIN NO. 70108	TEIKIN NO. R 70600	TEIKIN NO. P 42662				
	REFERENCE NO. 77 01 474 903 77 01 474 904 77 01 474 905	REFERENCE NO. 77 01 473 223 77 01 473 857 KS: 800053040000 MAHLE: 02202N0					3
Surface Treatment: Tin Coated Bore Clearance: MRC: 0.030 mm MP: 10.50 mm							
K7M-III 4 cyl.	Ø 79.50 CD 28.30 TL 51.60	2 - 1.5 1 - 2.5	Ø 18.990 TL 62.00				
	TEIKIN NO. 70109		TEIKIN NO. P 44653				
	REFERENCE NO. 120A14466R						4
Surface Treatment: Tin Coated, Moly Skirt Bore Clearance: MRC: 0.030 mm MP: 11.00 mm							

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
K4M 1598 cc, 4 cyl. 700/701/704/706 708/709/710/ 712/714/720/724 745/748/752/760	Ø 79.50 -1.4 CD 31.70 TL 55.00	2 - 1.5 1 - 2.5	Ø 20.000 TL 62.00				
	**TEIKIN NO.** 70600	**TEIKIN NO.** R 70600	**TEIKIN NO.** P 38129				
Surface Treatment: Tin Coated **Bore Clearance**: MRC: 0.030 mm, MP: 10.00 mm	**REFERENCE NO.** 77 01 474 854 77 01 474 855 77 01 474 856	**REFERENCE NO.** 77 01 473 223 77 01 474 857 KS: 800053040000 MAHLE: 02202N0					5
K7J 710 1390 cc, 4 cyl.	Ø 79.50 CD 34.80 TL 57.00	2 - 1.5 1 - 2.5	Ø 19.000 TL 62.00				
	**TEIKIN NO.** 70601	**TEIKIN NO.** R 70600	**TEIKIN NO.** P 44259				
Surface Treatment: Tin Coated **Bore Clearance**: MRC: 0.030 mm, MP: 7.00 mm	**REFERENCE NO.** 60 01 548 037 60 01 548 038 60 01 548 039 60 01 549 028/29/30	**REFERENCE NO.** 77 01 473 223 77 01 474 857 KS: 800053040000 MAHLE: 02202N0					6
2.0 L 16V, 4 cyl. MOTOR F4R MEGANE II	Ø 82.70 -2.3 CD 30.50 TL 57.00	1 - 1.2 1 - 1.5 1 - 2.0	Ø 21.000 TL 61.50				
	**TEIKIN NO.** 70101	**TEIKIN NO.** R 70101	**TEIKIN NO.** P 56104				
Surface Treatment: Tin Coated **Bore Clearance**: MRC: 0.030 mm, MP: 12.00 mm	**REFERENCE NO.** 8200203129	**REFERENCE NO.**					7
2.0 L-II 16V, 4 cyl. MOTOR F4R DUSTER	Ø 82.70 +0.6 CD 30.40 TL 52.00	1 - 1.2 1 - 1.5 1 - 2.0	Ø 21.000 TL 63.50				
	**TEIKIN NO.** 70102	**TEIKIN NO.** R 70101	**TEIKIN NO.** P 32120				
Surface Treatment: Moly Skirt, Anodized Crown, 1st Ring Anodized **Bore Clearance**: MRC: 0.030 mm, MP: 8.50 mm	**REFERENCE NO.** 120101842R	**REFERENCE NO.**					8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
2.0L-III SOLO CLIO SPORT 4 cyl. F4R 730 CLIO SPORT 2002-2004 LAGUNA 07-09 L4 DOHC 16 VALV	Ø 82.70 -0.6 CD 30.20 TL 56.80	1 - 1.2 1 - 1.5 1 - 2.0	Ø 21.000 TL 61.50					
	TEIKIN NO. **70106**		**TEIKIN NO.** **P 56104**					
Surface Treatment Tin Coated	**Bore Clearance** MRC: 0.030 mm MP: 10.50 mm	**REFERENCE NO.** 77 00 112 313						

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
K9K 1461 cc MAHINDRA LOGAN 4 cyl.	**Ø 76.00** -14.0 CD 41.80 TL 66.00	2 - 2.0 1 - 2.5	Ø 26.000 TL 60.00			TL 145.0 OD 80.5 FT 5.0 FD 84.5		**TEIKIN NO.** **LKSF 70103A**
	TEIKIN NO. **70103A**	**TEIKIN NO.** **R 70103**	**TEIKIN NO.** **P 70103**			**TEIKIN NO.** **LSF 70103**		
						Surface Treatment None		
Surface Treatment / **Bore Clearance** Moly Skirt MRC: 0.030 mm MP: 8.50 mm	**REFERENCE NO.** 120A11819R	**REFERENCE NO.** 77 01 473 144 77 01 478 755 KS: 800044540000 MAHLE: 02201N0				**REFERENCE NO.**		10

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
ACTYON 2.0L	Ø 86.20	1 - 2.5 FK	Ø 30.000					
4 cyl.	-17.0	1 - 2.0	TL 71.00					
	CD 48.10							
	TL 78.10	1 - 3.0						
	TEIKIN NO.		**TEIKIN NO.**					
	69101AG		**P 69101**					
	REFERENCE NO.							
	6640302817							

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.040 mm MP: 11.50 mm

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

EF10
3 cyl.

Ø	78.00	1 - 1.2	Ø	18.000
	-5.2	1 - 1.5	TL	61.00
CD	28.40			
TL	55.40	1 - 2.8		

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
55650	R 55650	P 43187

REFERENCE NO.	REFERENCE NO.
12011-KA920	12033-KA181
12009-KA121	48003-5600
	48003-5610
	48003-5700/800

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.00 mm

1

EF12 1189 cc
3 cyl.

Ø	78.00	1 - 1.2	Ø	18.000
	-1.1	1 - 1.5	TL	61.00
CD	28.00			
TL	55.00	1 - 2.8		

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
55652	R 55650	P 55652

REFERENCE NO.	REFERENCE NO.
12009-KB060	12033-KA181
	48003-5600
	48003-5610
	48003-5700/800

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 12.00 mm

2

FB20 1995 cc
IMPREZA
4 cyl.

Ø	84.00	2 - 1.0	Ø	22.000
	+3.6		TL	52.00
CD	30.90			
TL	55.30	1 - 2.0		

TEIKIN NO.	TEIKIN NO.
55110	P 55106

*Right Side Shown

REFERENCE NO.
12013AB490 (R)
12018AB490 (L)

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 8.50 mm

3

FB20-II 1995 cc
4 cyl.

Ø	84.00	2 - 1.0	Ø	22.000
	+2.1		TL	52.00
CD	30.90			
TL	53.90	1 - 2.0		

TEIKIN NO.	TEIKIN NO.
55111	P 55106

*Right Side Shown

REFERENCE NO.
12013AB810 (R)
12018AB810 (L)

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 10.00 mm

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

EZ30D
6 cyl.

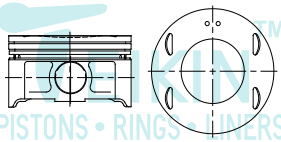
Ø	89.20
	-1.3
CD	29.90
TL	50.70

RINGS: 2 - 1.2 / 1 - 2.5

Ø	22.000
TL	52.00



PISTON SET TEIKIN NO.	PIN TEIKIN NO.
55106	P 55106



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 6.80 mm

REFERENCE NO.
12006-AC470

5

EZ30D-II
6 cyl.

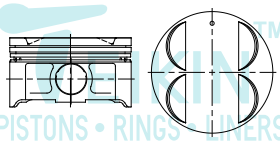
Ø	89.20
	-4.6
CD	30.30
TL	50.80

RINGS: 2 - 1.2 / 1 - 2.0

Ø	22.000
TL	52.00



PISTON SET TEIKIN NO.	PIN TEIKIN NO.
55107	P 55106



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 6.50 mm

REFERENCE NO.
12006-AD450

6

EJ20-T — 1994 cc
IMPREZA
DOHC
1998-2002
4 cyl.

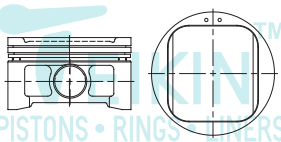
Ø	92.00
	-2.8
CD	32.70
TL	53.70

RINGS: 2 - 1.2 / 1 - 2.5

Ø	23.000
TL	64.00



PISTON SET TEIKIN NO.	RINGS TEIKIN NO.	PIN TEIKIN NO.
55102	R 55102	P 55102



Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown	MRC: 0.030 mm MP: 6.50 mm

REFERENCE NO.	REFERENCE NO.
12006-AB231	12033-AB070
12006-AB241	12033-AB100
	12033-AB160
	12033-AB190

7

EA71 — 1600 cc
4 cyl.

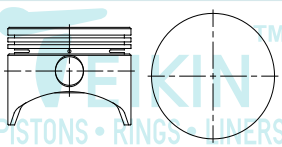
Ø	92.00
CD	32.00
TL	71.50

RINGS: 2 - 2.0 / 1 - 4.0

Ø	21.000
TL	82.00



PISTON SET TEIKIN NO.	RINGS TEIKIN NO.	PIN TEIKIN NO.
55651	R 55651	P 55651



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 15.00 mm

REFERENCE NO.	REFERENCE NO.
38005-4320	38003-4300
38005-4310	38003-4320
38005-4300	

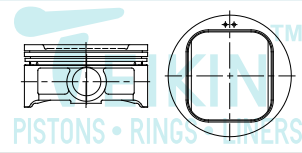
8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
EA82 1781 cc, 4 cyl.	Ø 92.00 -4.0 CD 31.50 TL 65.00	2 - 2.0 1 - 4.0	Ø 21.000 TL 70.00				
	TEIKIN NO. 55653	TEIKIN NO. R 55651	TEIKIN NO. P 55653				
*Right Side Shown	REFERENCE NO. 12013-AA030(R/L)	REFERENCE NO. 38003-4300 38003-4320					
Surface Treatment: Tin Coated	Bore Clearance: MRC: 0.030 mm MP: 20.20 mm						9
EJ20 1994 cc, 4 cyl.	Ø 92.00 -1.5 CD 33.30 TL 54.10	1 - 1.2 1 - 1.5 1 - 3.0	Ø 23.000 TL 58.00				
	TEIKIN NO. 55654	TEIKIN NO. R 55654	TEIKIN NO. P 55101				
	REFERENCE NO. 12006-AA380	REFERENCE NO. 12033-AA510 12033-AA604					
Surface Treatment: Moly Skirt	Bore Clearance: MRC: 0.030 mm MP: 7.50 mm						10
EJ20-T-II 1994 cc, 4 cyl.	Ø 92.00 -3.6 CD 33.30 TL 54.10	2 - 1.5 1 - 3.0	Ø 23.000 TL 62.00				
	TEIKIN NO. 55655	TEIKIN NO. R 55655	TEIKIN NO. P 55103				
	REFERENCE NO. 12006-AA630	REFERENCE NO. 12033-AA610					
Surface Treatment: Moly Skirt Anodized Crown	Bore Clearance: MRC: 0.030 mm MP: 6.50 mm						11
EJ22, EJ22E 2212 cc, 4 cyl. F.I., SOHC, 16 V IMPRESSA 1996-99 LEGACY 1990-96	Ø 96.90 -2.6 CD 33.00 TL 68.10	1 - 1.2 1 - 1.5 1 - 3.0	Ø 23.000 TL 58.00				
	TEIKIN NO. 55101	TEIKIN NO. R 55101	TEIKIN NO. P 55101				
*Right Side Shown	REFERENCE NO. 12013-AA231 (R) 12018-AA231 (L)	REFERENCE NO. 12033-AA210					
Surface Treatment: Tin Coated	Bore Clearance: MRC: 0.030 mm MP: 17.50 mm						12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	LINER	NO FLANGE	LINER KIT SET

EJ25 — 2457 cc — 4 cyl.

LEGACY (1996-99)
FORESTER, IMPREZA (1998)
F.I. DOHC 16V



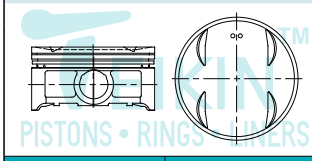
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 5.50 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 99.50 -3.1 CD 30.30 TL 51.10	1 - 1.2 1 - 1.5 1 - 2.8	Ø 23.000 TL 62.00				
TEIKIN NO. **55103**	TEIKIN NO. **R 55103**	TEIKIN NO. **P 55103**				
REFERENCE NO. 12006-AB410	REFERENCE NO. 12033-AA760					

13

EJ25-II — 4 cyl.

BAJA 2004-2005
FORESTER 2004-2005
IMPREZA 2004-2005
LEGACY 2004-2005
SOHC 16V



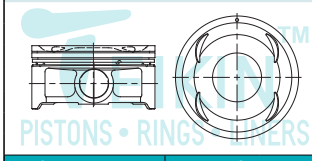
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 8.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 99.50 -1.6 CD 29.50 TL 50.10	2 - 1.2 1 - 2.5	Ø 23.000 TL 62.00				
TEIKIN NO. **55104**	TEIKIN NO. **R 55104**	TEIKIN NO. **P 55103**				
REFERENCE NO. 12006-AB470	REFERENCE NO. 12033-AB010					

14

EJ255-T — 2547 cc — 4 cyl.

IMPREZA, LEGACY,
OUTBACK, FORESTER, BAJA
2004-2007
16V DOHC H4 F.INJ

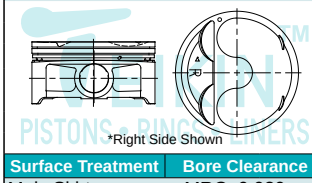


Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 6.50 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 99.50 -4.8 CD 30.70 TL 51.40	2 - 1.2 1 - 2.0	Ø 23.000 TL 64.00				
TEIKIN NO. **55105**	TEIKIN NO. **R 55105**	TEIKIN NO. **P 55102**				
REFERENCE NO. 12006-AC400 12006-AC390 12006-AC410 12006-AC420 12006-AD210	REFERENCE NO. 12033-AB340 12033-AC000 12033-AC010 12033-AC020					

15

EJ255-II — 4 cyl.

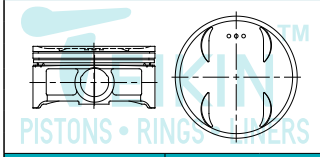


*Right Side Shown

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.60 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 99.50 -3.4 CD 29.50 TL 50.10	2 - 1.2 1 - 2.0	Ø 23.000 TL 64.00				
TEIKIN NO. **55108**		TEIKIN NO. **P 55102**				
REFERENCE NO. 12013-AB210 (R) 12018-AB210 (L)						

16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
EJ255-III 4 cyl.	Ø 99.50 -1.8 CD 29.50 TL 50.30	2 - 1.2 1 - 2.0	Ø 23.000 TL 62.00					
	TEIKIN NO. **55109**		TEIKIN NO. **P 55103**					
Surface Treatment: Moly Skirt Bore Clearance: MRC: 0.030 mm MP: 5.50 mm	REFERENCE NO. 12006-AC870							17

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

F5A — 543 cc — 3 cyl.
FRONTE 550

PISTON SET	RINGS	PIN
Ø 62.00 -0.8	2 - 1.5	Ø 16.000
CD 27.40		TL 49.00
TL 57.40	1 - 2.8	
TEIKIN NO. 45114-3	TEIKIN NO. R 45114-3	TEIKIN NO. P 45114
REFERENCE NO. 12111-78110, 12111-78111	REFERENCE NO. 12140-73000, 12140-73010, 12140-73011	

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 14.50 mm

1

F8A, ST90, LJ80 — 797 cc — 4 cyl.
F5A (3 Cyl.)
1978

PISTON SET	RINGS	PIN		LINER: FLANGED
Ø 62.00 -0.8	2 - 1.5	Ø 16.000	TL	120.0
CD 27.40		TL 49.00	OD	66.0
TL 57.40	1 - 2.8			TEIKIN NO. LKSX 45114
TEIKIN NO. 45114	TEIKIN NO. R 45114	TEIKIN NO. P 45114		TEIKIN NO. LSX 45114
REFERENCE NO. 12111-78110, 12111-78111	REFERENCE NO. 12140-73000, 12140-73010, 12140-73011			Surface Treatment: None REFERENCE NO.

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 14.50 mm

2

F8A — 797 cc — 4 cyl.
ST90

PISTON SET	RINGS	PIN		LINER: FLANGED
Ø 62.00	2 - 1.5	Ø 16.000	TL	120.0
CD 27.50		TL 49.00	OD	66.0
TL 57.50	1 - 2.8			TEIKIN NO. LKSX 45652
TEIKIN NO. 45652	TEIKIN NO. R 45114	TEIKIN NO. P 45114		TEIKIN NO. LSX 45114
REFERENCE NO. 12110-73002, 12111-73002	REFERENCE NO. 12140-73000, 12140-73010, 12140-73011			Surface Treatment: None REFERENCE NO.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.50 mm

3

F6A — 3 cyl.

PISTON SET	RINGS	PIN
Ø 65.00 -0.5	1 - 1.2 1 - 1.5	Ø 16.000
CD 25.60		TL 49.00
TL 52.60	1 - 2.5	
TEIKIN NO. 45138	TEIKIN NO. R 45138	TEIKIN NO. P 45114
REFERENCE NO. 12111-51E00	REFERENCE NO. 12140-51E50, 12140-73D00	

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 14.50 mm

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

F10A, ST100, SJ410 — **970 cc** — 1983 — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 65.50	2 - 1.5	Ø 16.000		TL	125.0		TEIKIN NO.
-2.0		TL 52.50		OD	69.5		LKSX 45117
CD 24.70							
TL 55.00	1 - 2.8						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
45117	R 45117	P 45113		LSX 45117			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
12111-75104	12140-75101/10						
12111-75107	12140-75111/2/3						
12111-85201							
12111-85288L0B0							

Surface Treatment: None — Bore Clearance: MRC: 0.030 mm, MP: 16.85 mm

5

K6A — CARRY 2002-2011, EVERY 2002-2011 — 3 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 68.00	1 - 1.0	Ø 18.000				
-0.8	1 - 1.2	TL 50.00				
CD 25.70						
TL 52.60	1 - 2.0					
TEIKIN NO.		TEIKIN NO.				
45151		P 45136				
REFERENCE NO.						
12111-63C13						
12111-83G01-0A0						

Surface Treatment: Tin Coated — Bore Clearance: MRC: 0.030 mm, MP: 15.00 mm

6

ALTO — K10A — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 68.00	1 - 1.0	Ø 18.000				
-2.5	1 - 1.2	TL 50.00				
CD 25.60						
TL 52.50	1 - 2.0					
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.				
45136	R 45136	P 45136				
REFERENCE NO.	REFERENCE NO.					
12100-75811-0B0	12140-73G01					
12100-75811-0A0						

Surface Treatment: None — Bore Clearance: MRC: 0.030 mm, MP: 15.00 mm

7

SS80 — **800 cc** — F8B — 3 cyl.

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 68.50	2 - 1.5	Ø 16.000		TL	112.0	160.0	TEIKIN NO.
-3.1		TL 53.50		OD	71.4	72.5	LKSF 45122
CD 24.90				FT	4.8		LKSX 45122
TL 54.90	1 - 2.8			FD	72.6		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
45122	R 45122	P 45122		LSF 45122			
				LSX 45122			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
12111-78400	12140-78410						
12111-78402	12140-78411						
	12140-78412						

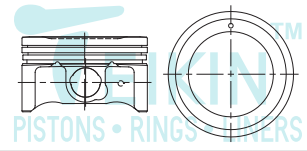
Surface Treatment: Tin Coated — Bore Clearance: MRC: 0.030 mm, MP: 17.00 mm

8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

ALTO 800 CC LXI — 800 cc — 3 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 68.50	1 - 1.0	Ø 16.000				
-1.1	1 - 1.2	TL 48.00				
CD 25.00						
TL 41.00	1 - 2.0					
TEIKIN NO. 45154		TEIKIN NO. P 45154				
REFERENCE NO. 12111-53M00-0A0						

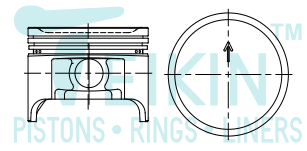


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 6.50 mm

9

ALTO LXI — 800 cc — 3 cyl.
MARUTI 800CC MPFI

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 68.50	1 - 1.2	Ø 16.000		TL 112.0		TEIKIN NO. LKSF 45146-3
-2.9	1 - 1.5	TL 49.00		OD 71.4		
CD 25.50				FT 4.8		
TL 52.40	1 - 2.5			FD 72.6		
TEIKIN NO. 45146-3	TEIKIN NO. R 45146-3	TEIKIN NO. P 45114		TEIKIN NO. LSF 45122		
REFERENCE NO. 12111-84400-0A0 1211M84400	REFERENCE NO. 12140-83E60 12140M84400			Surface Treatment: None REFERENCE NO.		

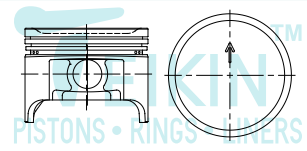


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 14.80 mm

10

WAGON R — 800 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 68.50	1 - 1.2	Ø 16.000		TL 112.0		TEIKIN NO. LKSF 45146
-2.9	1 - 1.5	TL 49.00		OD 71.4		
CD 25.50				FT 4.8		
TL 52.40	1 - 2.5			FD 72.6		
TEIKIN NO. 45146	TEIKIN NO. R 45146	TEIKIN NO. P 45114		TEIKIN NO. LSF 45122		
REFERENCE NO. 12111-84400-0A0 1211M84400	REFERENCE NO. 12140-83E60 12140M84400			Surface Treatment: None REFERENCE NO.		

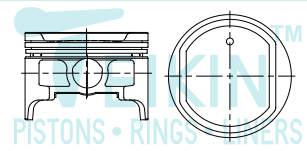


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 14.80 mm

11

K12A — 1171 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 71.00	1 - 1.0	Ø 17.000				
-5.9	1 - 1.2	TL 50.00				
CD 23.50						
TL 50.40	1 - 2.0					
TEIKIN NO. 45141	TEIKIN NO. R 45141	TEIKIN NO. P 45141				
REFERENCE NO. 12100-75821-0A0	REFERENCE NO. 12140-75F30					



Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 15.50 mm

12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
						LINER	

K10B — **998 cc** — **3 cyl.**
CELERIO 1.0 L

PISTON SET	RINGS	PIN
Ø 73.00	1 - 1.0	Ø 18.000
-1.8	1 - 1.2	TL 50.00
CD 27.30		
TL 44.30	1 - 2.0	
TEIKIN NO. 45145	TEIKIN NO. R 45145	TEIKIN NO. P 45136
REFERENCE NO. 12100-M68850	REFERENCE NO.	

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 5.50 mm

13

K14B — **4 cyl.**

PISTON SET	RINGS	PIN
Ø 73.00	1 - 1.0	Ø 18.000
-3.8	1 - 1.2	TL 46.50
CD 26.00		
TL 43.30	1 - 2.0	
TEIKIN NO. 45148		TEIKIN NO. P 45148
REFERENCE NO. 12111B71L50N0A0		

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 6.50 mm

14

K12M — **1197 cc** — **4 cyl.**
IGNIS 1.2L ALPHA
2016 - NOW

PISTON SET	RINGS	PIN
Ø 73.00	1 - 1.0	Ø 18.000
-6.2	1 - 1.2	TL 46.50
CD 27.30		
TL 44.50	1 - 2.0	
TEIKIN NO. 45160		TEIKIN NO. P 45148
REFERENCE NO. 12111M83P00		

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 6.50 mm

15

K12B — **1242 cc** — **4 cyl.**
SPLASH
SOLIO, SWIFT
A5B412
(2010-PRESENT)
DOHC 16V

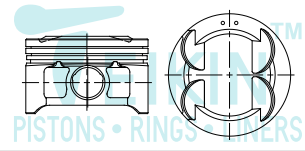
PISTON SET	RINGS	PIN
Ø 73.00	1 - 1.0	Ø 18.000
+0.7	1 - 1.2	TL 47.50
CD 26.20		
TL 45.50	1 - 2.0	
TEIKIN NO. 45162	TEIKIN NO. R 45162	TEIKIN NO. P 30110
REFERENCE NO. 12100-73840	REFERENCE NO. 12140-51K00	

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

K12B-II — 4 cyl.
SPLASH
SWIFT
WAGON R PLUS
(2010-PRESENT)

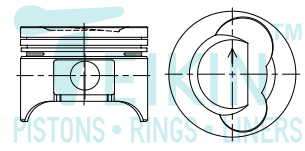


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 73.00	1 - 1.0	Ø 18.000					
+1.6	1 - 1.2	TL 47.50					
CD 26.00							
TL 46.10	1 - 2.0						
TEIKIN NO.		TEIKIN NO.					
45163		P 30110					
REFERENCE NO.							
12100-69841							

17

G10 NEW, G10A — 993 cc — 3 cyl.
GM METRO
F.I., SOHC 6 V
1989-2000

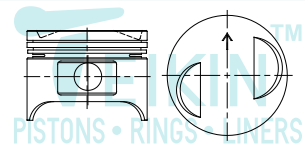


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.80 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 74.00	1 - 1.2	Ø 17.000			TL 140.0		TEIKIN NO.
-2.0	1 - 1.5	TL 65.00			OD 78.0		LKSX 45125
CD 28.65							
TL 55.65	1 - 2.8						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			TEIKIN NO.		
45125	R 45125	P 45125			LSX 45125		
					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.				REFERENCE NO.		
12111-60B00-0B0	12140-82001/50/51						
12111-61810-0B0	12140-82161						
96060039							

18

G10 — 993 cc — 3 cyl.
GM SPRINT 1985-88
SOHC, 6 V, CARB

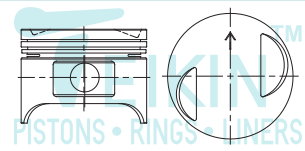


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.50 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 74.00	1 - 1.2	Ø 17.000			TL 140.0		TEIKIN NO.
-5.6	1 - 1.5	TL 65.00			OD 78.0		LKSX 45126
CD 28.40							
TL 55.30	1 - 2.8						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			TEIKIN NO.		
45126	R 45125	P 45125			LSX 45125		
					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.				REFERENCE NO.		
12111-82010	12140-82001/50/51						
	12140-82161						

19

G13B — 1300 cc — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.50 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 74.00	1 - 1.2	Ø 17.000			TL 140.0		TEIKIN NO.
-4.8	1 - 1.5	TL 65.00			OD 78.0		LKSX 45128
CD 29.30							
TL 56.20	1 - 2.8						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			TEIKIN NO.		
45128	R 45128	P 45125			LSX 45128		
					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.				REFERENCE NO.		
12111-63B00-0B0	12140-82050/1						
12111-61840-0B0	12140-82X50						

20

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

STEAM 1.3L — 4 cyl.

Ø 74.00	-3.0	CD 29.00	TL 56.00

2 - 1.2	1 - 2.5

Ø 19.000	TL 61.00

TL 120.5	OD 77.0	FT 5.0	FD 77.7

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
45135	R 45135	P 45127	LSF 45135	LKSF 45135

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
12101-63810-0A0	12140-26810 121-40M63E60	

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 15.30 mm

21

K15B — SUZUKI ALL NEW ERTIGA — 4 cyl.

Ø 74.00	-3.5	CD 26.00	TL 43.30

1 - 1.0	1 - 1.2	1 - 2.0

Ø 18.000	TL 47.50

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
45156		P 30110

REFERENCE NO.
12111-73R00-000

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 4.00 mm

22

K15B-C — NEW CARRY PICK-UP — 4 cyl.

Ø 74.00	-4.9	CD 26.00	TL 43.30

1 - 1.0	1 - 1.2	1 - 2.0

Ø 18.000	TL 47.50

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
45158		P 30110

REFERENCE NO.
12111-52S00-000

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 6.50 mm

23

G13-II — 1298 cc — 4 cyl.

Ø 74.00	-1.6	CD 28.40	TL 55.40

1 - 1.2	1 - 1.5	1 - 2.8

Ø 17.000	TL 65.00

TL 140.0	OD 78.0

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
45650	R 45128	P 45125	LSX 45128	LKSX 45650

Surface Treatment: None

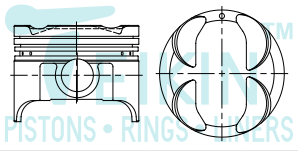
REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
12111-83000	12140-82050/1 12140-82X50	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.80 mm

24

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

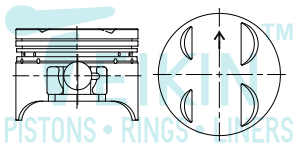
G13BB — 1298 cc — 4 cyl.
JIMNY, CARRY VAN
SOHC 16V
1998 - ON



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 15.30 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 74.00 -1.9 CD 29.00 TL 56.00	1 - 1.2 1 - 1.5 1 - 2.8	Ø 19.000 TL 61.00		TL OD		140.0 78.0	TEIKIN NO. LKSX 45653
TEIKIN NO. 45653	TEIKIN NO. R 45128	TEIKIN NO. P 45127		TEIKIN NO. LSX 45128 Surface Treatment None			
REFERENCE NO.	REFERENCE NO. 12140-82050/1 12140-82X50			REFERENCE NO.			25

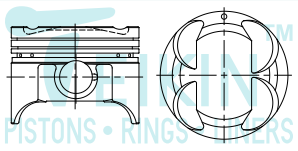
G13B-II — 1298 cc — 4 cyl.



Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 14.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 74.00 -5.8 CD 29.20 TL 56.20	1 - 1.2 1 - 1.5 1 - 2.8	Ø 19.000 TL 61.00		TL OD		140.0 78.0	TEIKIN NO. LKSX 45654
TEIKIN NO. 45654	TEIKIN NO. R 45128	TEIKIN NO. P 45127		TEIKIN NO. LSX 45128 Surface Treatment None			
REFERENCE NO. 12111-86501	REFERENCE NO. 12140-82050/1 12140-82X50			REFERENCE NO.			26

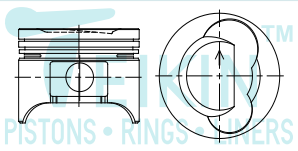
G13-Y58 — 1298 cc — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 15.30 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 74.00 -1.9 CD 29.00 TL 56.00	2 - 1.2 1 - 2.5	Ø 19.000 TL 61.00		TL OD		140.0 78.0	TEIKIN NO. LKSX 45655
TEIKIN NO. 45655	TEIKIN NO. R 45655	TEIKIN NO. P 45127		TEIKIN NO. LSX 45128 Surface Treatment None			
REFERENCE NO. 12111-63E10 12100-63880	REFERENCE NO. 12140-63E50			REFERENCE NO.			27

G13 NEW — 1300 cc — 4 cyl.
GM METRO
F.I., SOHC 6 V
1989-2000



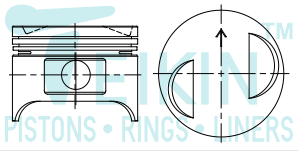
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.80 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 74.00 -2.0 CD 28.65 TL 55.65	1 - 1.2 1 - 1.5 1 - 2.8	Ø 17.000 TL 65.00					
TEIKIN NO. 45125-4		TEIKIN NO. P 45125					
REFERENCE NO. 12111-60B00-0B0 12111-61810-0B0 96060039							28

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET

G13 — 1298 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 74.00	1 - 1.2	Ø 17.000		TL		140.0	TEIKIN NO.
-5.6	1 - 1.5	TL 65.00		OD		78.0	LKSX 45126-4
CD 28.40							
TL 55.30	1 - 2.8						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
45126-4	R 45128	P 45125		LSX 45128			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
12111-82010	12140-82050/1						
	12140-82X50						

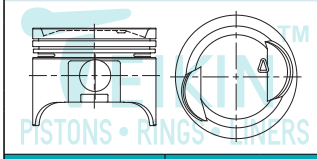


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.50 mm

29

SL413 — 1300 cc — 4 cyl.
FUTURA

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 75.00	1 - 1.2	Ø 19.000					
-1.4	1 - 1.5	TL 64.00					
CD 28.35							
TL 58.30	1 - 2.8						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.					
45123	R 45123	P 43132					
REFERENCE NO.	REFERENCE NO.						
12111-77500-0A0							

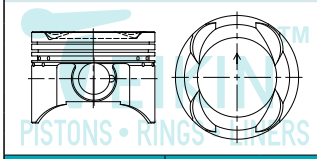


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 16.40 mm

30

G16KV — 1590 cc — 4 cyl.
SIDEKICK
GM TRACKER
F.I., SOHC, 16 V
1991-98

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 75.00	1 - 1.2	Ø 19.000		TL		138.0	TEIKIN NO.
-4.1	1 - 1.5	TL 62.00		OD		79.0	LKSX 45124
CD 28.45							
TL 55.30	1 - 2.8						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
45124	R 45124	P 44259		LSX 45124			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
12111-61850	12140-60A50						
12100-71820	12140-61A00						

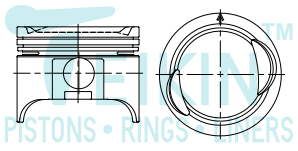


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 13.50 mm

31

G16A, G16KC — 1590 cc — 4 cyl.
SL413-II
SIDEKICK 1989-95
GM TRACKER 1989-95
F.I., SOHC, 8 V

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 75.00	1 - 1.2	Ø 19.000		TL		138.0	TEIKIN NO.
-3.3	1 - 1.5	TL 61.00		OD		79.0	LKSX 45127
CD 28.40							
TL 58.35	1 - 2.8						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
45127	R 45124	P 45127		LSX 45124			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
12111-60A02-0A0	12140-60A50						
	12140-61A00						



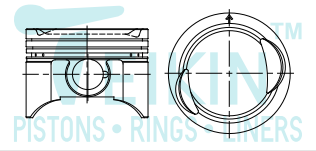
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 16.40 mm

32

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET

VITARA — 1590 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 75.00	2 - 1.2	Ø 19.000		TL		138.0	TEIKIN NO.
-3.3		TL 61.00		OD		79.0	LKSX 45132
CD 28.30							
TL 55.30	1 - 1.5						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
45132	R 45132	P 45127		LSX 45124			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
12111-61A00	12140-61G00						
	12140-61G50						



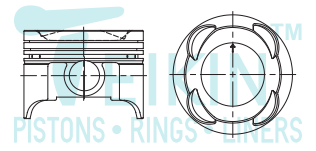
Surface Treatment	Bore Clearance
None	MRC: 0.020 mm MP: 13.50 mm

33

G16B-II — 4 cyl.

BALENO
ESCUDO
GRAND VITARA
VITARA / SIDEKICK
SE416, SQ416

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 75.00	2 - 1.2	Ø 19.000					
-6.3		TL 62.00					
CD 28.40							
TL 55.40	1 - 2.5						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.					
45144	R 45132	P 44259					
REFERENCE NO.	REFERENCE NO.						
12100-61860	12140-61G00						
	12140-61G50						



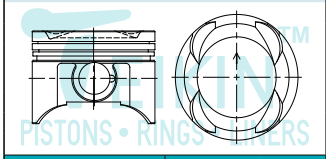
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 15.50 mm

34

G15A — 1493 cc — 4 cyl.

APV ~ CARRY
SUPER CARRY
GC415V
GC416T ~ GC416V
SOHC 16V

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 75.00	2 - 1.2	Ø 19.000		TL		138.0	TEIKIN NO.
-4.1		TL 62.00		OD		79.0	LKSX 45149
CD 28.30							
TL 55.30	1 - 2.5						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
45149	R 45149	P 44259		LSX 45124			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
12111-61J00-0B0	12140-61J00						
12111-61J00-0A0							

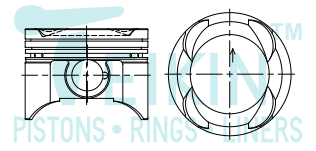


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 13.50 mm

35

G16KV-II — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 75.00	2 - 1.2	Ø 19.000					
-4.1		TL 62.00					
CD 28.30							
TL 55.30	1 - 2.5						
TEIKIN NO.		TEIKIN NO.					
45153		P 44259					
REFERENCE NO.							
12100-61850-0A0							

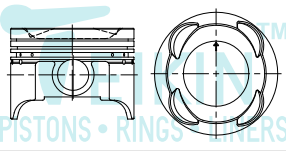


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 13.50 mm

36

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

SWIFT 1.6 — **1590 cc** — 4 cyl.
G16

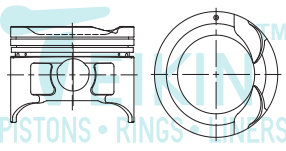


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 15.50 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 75.00 -6.3 CD 28.40 TL 55.40	1 - 1.2 1 - 1.5 1 - 2.8	Ø 19.000 TL 62.00		TL OD	138.0 79.0		TEIKIN NO. **LKSX 45601**
TEIKIN NO. **45601** **(45130)**	**TEIKIN NO.** **R 45124**	**TEIKIN NO.** **P 44259**		**TEIKIN NO.** **LSX 45124**			
				Surface Treatment None			
REFERENCE NO. 12111-71C50 12111-71C51	**REFERENCE NO.** 12140-60A50 12140-61A00			**REFERENCE NO.**			

37

M15A — **1490 cc** — 4 cyl.
SX4
DOHC 16V VVT

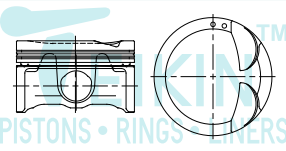


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 14.60 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 78.00 -5.0 CD 30.00 TL 59.50	2 - 1.2 1 - 2.5	Ø 20.000 TL 59.00					
TEIKIN NO. **45143**	**TEIKIN NO.** **R 45143**	**TEIKIN NO.** **P 51101**					
REFERENCE NO. 12100-54821							

38

M16A — 4 cyl.

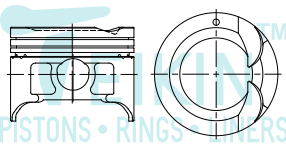


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 6.50 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 78.00 -1.8 CD 29.80 TL 47.30	2 - 1.0 1 - 2.0	Ø 20.000 TL 43.00					
TEIKIN NO. **45157**		**TEIKIN NO.** **P 45157**					
REFERENCE NO. 12100-54880							

39

M13A — **1328 cc** — 4 cyl.
SWIFT RS413
DOHC 16V



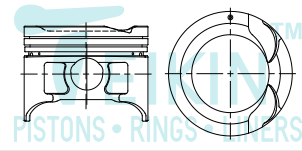
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 14.60 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 78.00 -2.0 CD 30.00 TL 59.50	2 - 1.2 1 - 2.5	Ø 20.000 TL 58.00					
TEIKIN NO. **45656**	**TEIKIN NO.** **R 45656**	**TEIKIN NO.** **P 52112**					
REFERENCE NO. 12100-69811	**REFERENCE NO.** 12140-54GA0 12140-54GA0-050						

40

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

M15A-II — **1490 cc** — 4 cyl.
SWIFT-SX4
RS415-RW415
(04-)
DOHC 16V

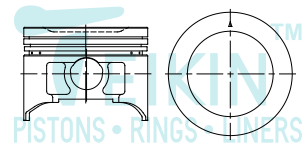


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 14.60 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 78.00 -3.2 CD 30.10 TL 59.50	2 - 1.2 1 - 2.5	Ø 20.000 TL 58.00				
TEIKIN NO. **45657**	TEIKIN NO. **R 45656**	TEIKIN NO. **P 52112**				
REFERENCE NO. 12100-54812	REFERENCE NO. 12140-54GA0 12140-54GA0-050					

41

H20A — 6 cyl.

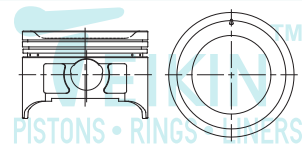


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 15.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 78.00 -2.9 CD 29.40 TL 58.90	1 - 1.2 1 - 1.5 1 - 2.5	Ø 20.000 TL 59.00				
TEIKIN NO. **45134**		TEIKIN NO. **P 51101**				
REFERENCE NO. 12111-85FA2						

42

J20A — **1995 cc** — 4 cyl.
VITARA
1999-2002
F.I. DOHC 16V

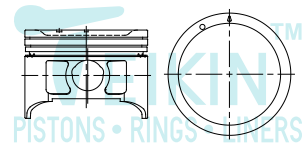


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 16.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 84.00 -4.9 CD 29.40 TL 58.90	1 - 1.2 1 - 1.5 1 - 2.5	Ø 21.000 TL 59.00		TL OD	135.0 88.0	TEIKIN NO. **LKSX 45133**
TEIKIN NO. **45133**	TEIKIN NO. **R 45133**	TEIKIN NO. **P 45131**		TEIKIN NO. **LSX 45133** Surface Treatment None		
REFERENCE NO. 12100-65811 12100-65810	REFERENCE NO. 12140-77E00 12140-86FA0			REFERENCE NO.		

43

SX4 — **1995 cc** — 4 cyl.
GRAND VITARA
JB420W RW415
RW416, JB420W RW415
(06-)
DOHC 16V



Surface Treatment	Bore Clearance
Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 14.50 mm

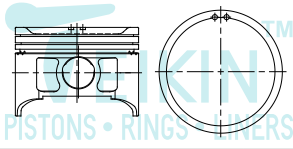
PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 84.00 -3.6 CD 31.20 TL 60.70	2 - 1.2 1 - 2.5	Ø 21.000 TL 59.00				
TEIKIN NO. **45147**	TEIKIN NO. **R 45147**	TEIKIN NO. **P 45131**				
REFERENCE NO. 12100-65820-0A0 12100-65821-0A0	REFERENCE NO. 12140-65J00 12140-65J50					

44

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

J20A-II — 1995 cc — 4 cyl.

GRAND VITARA
SX4
JB420W RW415
RW416, JB420W RW415
(06-)

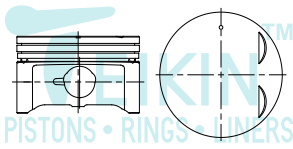


Surface Treatment	Bore Clearance
Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 14.50 mm

PISTON SET	RINGS	PIN
Ø 84.00 -4.4 CD 31.00 TL 60.50	2 - 1.2 1 - 2.5	Ø 21.000 TL 59.00
TEIKIN NO. **45150**	TEIKIN NO. **R 45147**	TEIKIN NO. **P 45131**
REFERENCE NO. 12100-65831-0A0 12100-65831-0B0	REFERENCE NO. 12140-65J00 12140-65J50	

45

J20B — 4 cyl.



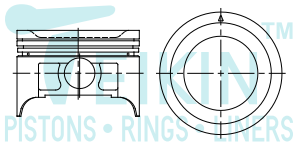
Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 8.00 mm

PISTON SET	RINGS	PIN
Ø 84.00 -0.9 CD 30.60 TL 51.60	1 - 1.2 1 - 1.0 1 - 2.0	Ø 21.000 TL 57.50
TEIKIN NO. **45152**	TEIKIN NO. **R 45152**	TEIKIN NO. **P 45152**
REFERENCE NO. 12100-54870-0A0		

46

J18 — 4 cyl.

J20



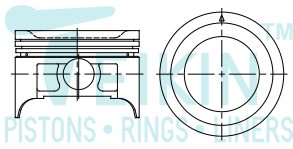
Surface Treatment	Bore Clearance
None	MRC: 0.020 mm MP: 16.00 mm

PISTON SET	RINGS	PIN
Ø 84.00 -4.9 CD 29.40 TL 58.90	1 - 1.2 1 - 1.5 1 - 2.5	Ø 21.000 TL 59.00
TEIKIN NO. **45131-4**		TEIKIN NO. **P 45131**
REFERENCE NO. 12100-86830 12100-86831-0A0		

47

H25A — 2494 cc — 6 cyl.

J20
GRAND VITARA
1999-2002
F.I., DOHC 24V



Surface Treatment	Bore Clearance
None	MRC: 0.020 mm MP: 16.00 mm

PISTON SET	RINGS	PIN	LINER KIT SET
Ø 84.00 -4.9 CD 29.40 TL 58.90	1 - 1.2 1 - 1.5 1 - 2.5	Ø 21.000 TL 59.00	TL 135.0 OD 88.0
TEIKIN NO. **45131**	TEIKIN NO. **R 45131**	TEIKIN NO. **P 45131**	TEIKIN NO. **LKSX 45131**
REFERENCE NO. 12100-86830 12100-86831-0A0	REFERENCE NO. 12140-77E00 12140-86FA0		

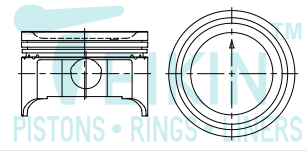
FLANGED / NO FLANGE
TEIKIN NO. **LSX 45131**
Surface Treatment None
REFERENCE NO.

48

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

H27 — 2737 cc — 6 cyl.

XL7



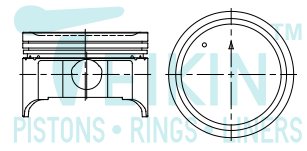
Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.030 mm
1st Ring Anodized	MP: 16.00 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 88.00	1 - 1.2	Ø 21.000		TL		138.0	TEIKIN NO.
-4.8	1 - 1.5	TL 59.00		OD		92.0	LKSX 45137
CD 29.40							
TL 58.90	1 - 2.8						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			TEIKIN NO.		
45137	R 45137	P 45131			LSX 45137		
					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.				REFERENCE NO.		
12100-52812	12140-52D00						
12100-52810/11-025							
12100-52811/12-050							
12100-52811-0A0/0B0							
12100-52812-0A0/0B0							

49

H27-II — 2700 cc — 6 cyl.

GRAND VITARA 2.7



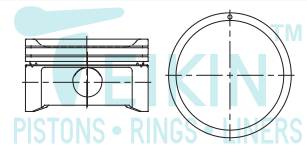
Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.030 mm
1st Ring Anodized	MP: 16.00 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 88.00	1 - 1.2	Ø 21.000					
-2.3	1 - 1.5	TL 59.00					
CD 29.50							
TL 58.90	1 - 2.8						
TEIKIN NO.		TEIKIN NO.					
45142		P 45131					
REFERENCE NO.							
12100-66811-0A0							

50

AERIO — 2290 cc — 4 cyl.

DOHC 16V
2004-2007

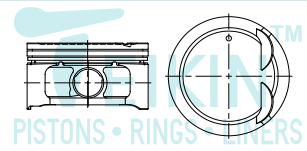


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 7.50 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 90.00	2 - 1.2	Ø 21.000					
-5.7		TL 59.00					
CD 31.10							
TL 52.10	1 - 2.5						
TEIKIN NO.		TEIKIN NO.					
45140		P 45131					
REFERENCE NO.							
12100-598-100A0							

51

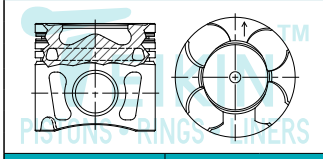
J24B — 2400 cc — 4 cyl.



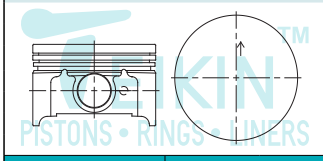
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 6.00 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 92.00	1 - 1.2	Ø 21.000					
-0.9	1 - 1.0	TL 59.00					
CD 30.70							
TL 51.20	1 - 2.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.					
45139	R 45139	P 45131					
REFERENCE NO.	REFERENCE NO.						
12100-78831-0A0	12140-78K00						
	12140-78K50						

52

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
D13A **1248 cc** ERTIGA DIESEL **4 cyl.**	**Ø 69.60** -12.4 CD 40.40 TL 62.40	2 - 1.5 1 - 2.0	Ø 23.000 TL 56.00					
	**TEIKIN NO.** **45159AG**		**TEIKIN NO.** **P 34129**					
Surface Treatment Chromated Moly Skirt	**Bore Clearance** MRC: 0.030 mm MP: 6.00 mm	**REFERENCE NO.** 12110M55KE0-0A0						

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	LINER	NO FLANGE	LINER KIT SET
ACE CNG	Ø 75.00	1 - 1.2	Ø 18.000						
2 cyl.		1 - 1.5	TL 56.00						
	CD 27.70								
	TL 48.70	1 - 2.5							
	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.						
	62106	R 62106	P 30104						
	REFERENCE NO.								
	570803990109								

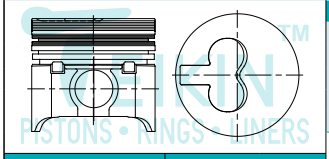


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 8.50 mm

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

ACE
2 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 75.00 -1.4 CD 43.00 TL 69.10	2 - 2.0 1 - 3.0	Ø 23.010 TL 56.50		TL 134.0 OD 78.1 FT 5.0 FD 78.8		TEIKIN NO. LSF 62101A-2
TEIKIN NO. 62101A-2	TEIKIN NO. R 62101-2	TEIKIN NO. P 62101		TEIKIN NO. LSF 62101-2 Surface Treatment None		
REFERENCE NO. 279003990109N	REFERENCE NO. 279003990110			REFERENCE NO.		

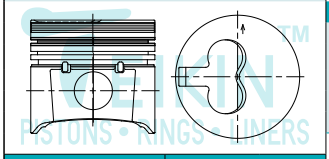


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.060 mm
Anodized Crown	MP: 12.00 mm

2

ACE-II
2 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 75.00 -1.2 CD 43.00 TL 69.00	2 - 2.0 1 - 3.0	Ø 23.010 TL 56.50		TL 134.0 OD 78.1 FT 5.0 FD 78.8		TEIKIN NO. LSF 62104A
TEIKIN NO. 62104A	TEIKIN NO. R 62101-2	TEIKIN NO. P 62101		TEIKIN NO. LSF 62101 Surface Treatment None		
REFERENCE NO.	REFERENCE NO. 279003990110			REFERENCE NO.		

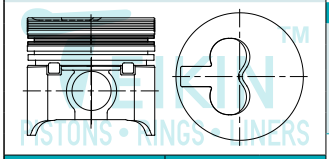


Surface Treatment	Bore Clearance
Chromated	MRC: 0.060 mm
Moly Skirt	MP: 11.50 mm

3

INDICA
4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 75.00 -1.4 CD 43.00 TL 69.10	2 - 2.0 1 - 3.0	Ø 23.010 TL 56.50		TL 134.0 OD 78.1 FT 5.0 FD 78.8		TEIKIN NO. LSF 62101A
TEIKIN NO. 62101A	TEIKIN NO. R 62101	TEIKIN NO. P 62101		TEIKIN NO. LSF 62101 Surface Treatment None		
REFERENCE NO. 279003990109N	REFERENCE NO. 279003990110			REFERENCE NO.		

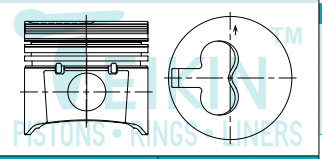


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.060 mm
Anodized Crown	MP: 12.00 mm

4

INDICA-II
4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 75.00 -1.2 CD 43.00 TL 69.00	2 - 2.0 1 - 3.0	Ø 23.010 TL 56.50		TL 134.0 OD 78.1 FT 5.0 FD 78.8		TEIKIN NO. LSF 62104A-4
TEIKIN NO. 62104A-4	TEIKIN NO. R 62101	TEIKIN NO. P 62101		TEIKIN NO. LSF 62101 Surface Treatment None		
REFERENCE NO.	REFERENCE NO. 279003990110			REFERENCE NO.		



Surface Treatment	Bore Clearance
Chromated	MRC: 0.060 mm
Moly Skirt	MP: 11.50 mm

5

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE (LINER)	LINER KIT SET

DICOR 1.4
4 cyl.

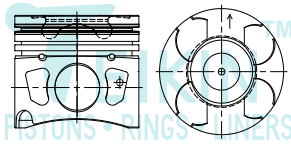
Ø	75.00
	-13.9
CD	42.90
TL	66.90

RINGS: 1 - 2.5 FK; 1 - 2.0; 1 - 3.0

Ø	27.000
TL	61.00



TEIKIN NO. (PISTON SET)	TEIKIN NO. (RINGS)	TEIKIN NO. (PIN)
62105AG	R 62105	P 46629



REFERENCE NO. (PISTON SET)	REFERENCE NO. (RINGS)

Surface Treatment	Bore Clearance
Chromated	MRC: 0.030 mm MP: 7.50 mm

6

207
4 cyl.

Ø	83.00
	-2.3
CD	46.80
TL	84.30

RINGS: 2 - 2.0; 1 - 3.0

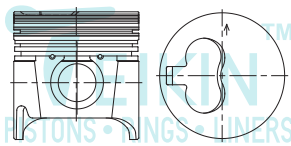
Ø	25.000
TL	70.00



TL	151.4
OD	86.1
FT	4.3
FD	86.9

TEIKIN NO.: LSF 62103A

TEIKIN NO. (PISTON SET)	TEIKIN NO. (PIN)	TEIKIN NO. (FLANGED)
62103A	P G0118	LSF 62103



Surface Treatment (FLANGED): None

REFERENCE NO. (PISTON SET)	REFERENCE NO. (FLANGED)

Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.050 mm MP: 18.00 mm

7

407 TURBO
SPACIO
4 cyl.

Ø	97.00
	-18.7
CD	58.50
TL	93.40

RINGS: 1 - 2.5 FK; 1 - 2.5; 1 - 4.0

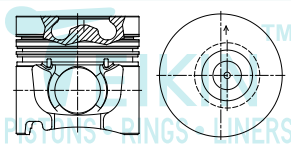
Ø	36.000
TL	79.00



TL	176.5
OD	100.1
FT	4.6
FD	103.5

TEIKIN NO.: LSF 62102A

TEIKIN NO. (PISTON SET)	TEIKIN NO. (PIN)	TEIKIN NO. (FLANGED)
62102A	P 39181	LSF 62102



Surface Treatment (FLANGED): None

REFERENCE NO. (PISTON SET)	REFERENCE NO. (FLANGED)
8854 0356 2534	

Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.090 mm MP: 10.40 mm

8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
TRAVELLER	Ø 90.90	1 - 3.0	Ø 28.000		TL 158.3			TEIKIN NO.
4 cyl.	-20.0	1 - 2.0	TL 76.80		OD 94.1			LKSF 68101A
	CD 48.60				FT 4.8			
	TL 82.10	1 - 4.0			FD 95.9			
	TEIKIN NO.		TEIKIN NO.		TEIKIN NO.			
	68101A		P 43157		LSF 68101			
					Surface Treatment			
					None			
	REFERENCE NO.				REFERENCE NO.			

Surface Treatment: Chromated
Bore Clearance: MRC: 0.060 mm, MP: 14.00 mm

1

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

1SZFE — **998 cc** — 4 cyl.
YARIS
DOHC 16V
1998-2002

PISTON SET	RINGS	PIN
Ø 69.00 +0.3	2 - 1.2	Ø 18.000
CD 26.10		TL 47.50
TL 44.60	1 - 2.0	
TEIKIN NO. 46341		**TEIKIN NO.** P 30110
REFERENCE NO. 13101-0J010		

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 5.75 mm

1

1SZFE-II — **997 cc** — 4 cyl.

PISTON SET	RINGS	PIN
Ø 69.00 +0.3	2 - 1.2	Ø 18.000
CD 26.10		TL 47.50
TL 44.40	1 - 2.0	
TEIKIN NO. 46385	**TEIKIN NO.** R 46385	**TEIKIN NO.** P 30110
REFERENCE NO. 13101-23020	**REFERENCE NO.** 13011-23040/1 13011-23051 13013-23040/1	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 5.50 mm

2

1E, 1EL — **999 cc** — 4 cyl.

PISTON SET	RINGS	PIN		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 70.50 -4.4	2 - 1.5	Ø 18.000	TL		132.0	**TEIKIN NO.**
CD 28.00		TL 53.00	OD		74.5	**LKSX 46661**
TL 56.00	1 - 3.0					
TEIKIN NO. 46661	**TEIKIN NO.** R 46661	**TEIKIN NO.** P 46332	**TEIKIN NO.** LSX 46661			
REFERENCE NO. 13101-10033	**REFERENCE NO.** 13011-10070/1/2 13011-10080/1 13012-10070 13013-10070/1/2/81		**Surface Treatment** None **REFERENCE NO.**			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.90 mm

3

1KR-FE — **998 cc** — 3 cyl.
AYGO - PASSO
VITZ - YARIS
KGB10 - KSP90
DOHC 12V
2005 -

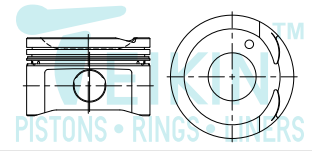
PISTON SET	RINGS	PIN
Ø 71.00 +2.5	2 - 1.0	Ø 18.000
CD 26.70		TL 47.50
TL 47.00	1 - 1.5	
TEIKIN NO. 46677	**TEIKIN NO.** R 46677	**TEIKIN NO.** P 30110
REFERENCE NO. 13101-40020 13101-40021	**REFERENCE NO.** 13011-0Q010 13011-40030	

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 4.50 mm

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	LINER NO FLANGE	LINER KIT SET

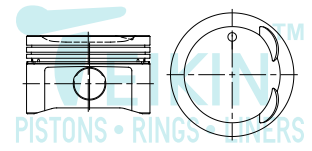
3SZ-VE 1500 cc — 4 cyl.
DAIHATSU KSZ-VE
RUSH
DAIHATSU TERRIOS
DAIHATSU GRAND MAX 1.5L



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 5.70 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 72.00	2 - 1.2	Ø 18.000				
-6.7		TL 53.00				
CD 28.00						
TL 45.50	1 - 2.0					
TEIKIN NO. 46356	TEIKIN NO. R 46356	TEIKIN NO. P 46332				
REFERENCE NO. 13101-BZ100, 13101-BZ140, 13101-B1021, 13103-B1060	REFERENCE NO. 13011-B1020, 13011-BZ110, 13013-B1020					5

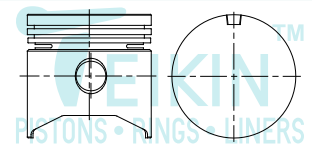
K3-VE 1298 cc — 4 cyl.
AVANZA 1.3L
DAIHATSU XENIA 1.3L
SIRION 1.3L
VVTI 16V



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Anodized Crown	MP: 5.70 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 72.00	2 - 1.2	Ø 18.000				
-3.8		TL 53.00				
CD 28.00						
TL 45.50	1 - 2.0					
TEIKIN NO. 46361	TEIKIN NO. R 46356	TEIKIN NO. P 46332				
REFERENCE NO. 13101-BZ030	REFERENCE NO. 13011-B1020, 13011-BZ110, 13013-B1020					6

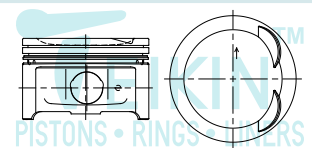
2K 993 cc — 4 cyl.
1969-75



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 13.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 72.00	2 - 2.0	Ø 18.000		TL 122.2		TEIKIN NO.
		TL 58.00		OD 76.0		LKSX 46603
CD 36.00						
TL 72.10	1 - 4.0					
TEIKIN NO. 46603 (46301)	TEIKIN NO. R 46603	TEIKIN NO. P 46603		TEIKIN NO. LSX 46603		
				Surface Treatment: None		
REFERENCE NO. 13101-12010	REFERENCE NO. 13011-12010/30/31, 13012-12010/30/31, 13013-12010/30/31, 13014-12010/30/31			REFERENCE NO.		7

2SZ-FE 1296 cc — 4 cyl.

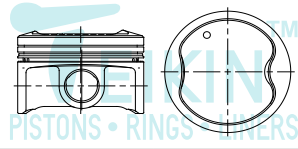


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 6.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 72.00	2 - 1.2	Ø 18.000				
-4.0		TL 47.50				
CD 28.20						
TL 46.20	1 - 2.0					
TEIKIN NO. 46683	TEIKIN NO. R 46683	TEIKIN NO. P 30110				
REFERENCE NO. 13101-03020, 13103-03020, 13101-0J020	REFERENCE NO. 13011-23060, 13013-23060					8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

3NR-FE 1197 cc
ETIOS — 4 cyl.
NGK10
DOHC 16V
(10-)

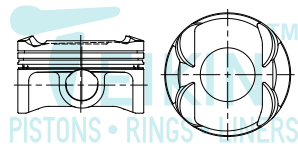


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 5.00 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN
Ø 72.50 +3.3	2 - 1.0	Ø 18.000
CD 30.00		TL 53.00
TL 49.80	1 - 2.0	
TEIKIN NO. 46387	TEIKIN NO. R 46387	TEIKIN NO. P 46332
REFERENCE NO. 13101-0Y030, 13101-47051	REFERENCE NO. 04130-0Y010, 04130-47010, 13011-47033	

9

1NR-VE
NEW AVANZA 1300CC — 4 cyl.
2015 /2016

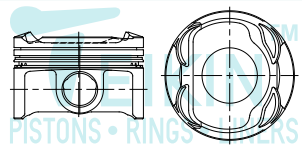


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 5.10 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN
Ø 72.50 +2.6	1 - 1.2 1 - 1.0	Ø 18.000 TL 53.00
CD 26.10		
TL 45.20	1 - 2.0	
TEIKIN NO. 46390		TEIKIN NO. P 46332
REFERENCE NO. 13211-0Y010		

10

2NR-VE
NEW AVANZA 1500 CC — 4 cyl.
2015 /2016

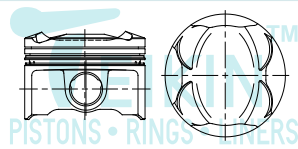


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 5.50 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN
Ø 72.50 +2.6	1 - 1.2 1 - 1.0	Ø 18.000 TL 53.00
CD 29.40		
TL 48.50	1 - 2.0	
TEIKIN NO. 46391		TEIKIN NO. P 46332
REFERENCE NO. 13211-0Y060, 13211-0Y061		

11

2NR-FE
4 cyl.



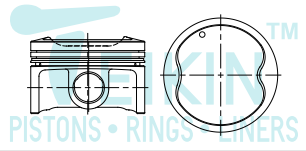
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 6.00 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN
Ø 72.50 +3.8	2 - 1.0	Ø 18.000
CD 30.20		TL 53.00
TL 52.00	1 - 2.0	
TEIKIN NO. 46394		TEIKIN NO. P 46332
REFERENCE NO. 13101-0Y120		

12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	LINER NO FLANGE	LINER KIT SET

2NR-FE-II 1496 cc — 4 cyl.
ETIOS
NGK12, NGK15
(10-)
DOHC 16V



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 5.50 mm
1st Ring Anodized	

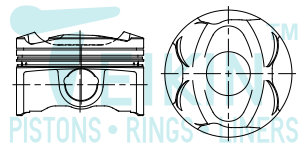
Ø 72.50		2 - 1.0	Ø 18.000
	+3.0		TL 53.00
CD	29.40		
TL	48.90	1 - 2.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46406	R 46387	P 46332

REFERENCE NO.	REFERENCE NO.
13101-47041	04130-0Y010
13101-0Y020	04130-47010
	13011-47033

13

1NR-FE 1329 cc — 4 cyl.
AURIS ~ COROLLA
HYBRID ~ IQ
URBAN CRUISER
VERSO ~ YARIS
NSP90/110/120/130



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 6.00 mm

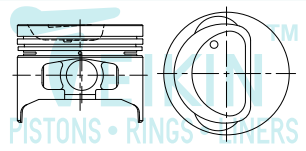
Ø 72.50		2 - 1.0	Ø 18.000
	+3.8		TL 53.00
CD	26.40		
TL	47.90	1 - 1.5	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46702	R 46702	P 46332

REFERENCE NO.	REFERENCE NO.
13101-47020	13011-47030

14

2E 1295 cc — 4 cyl.
1984



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 16.55 mm

Ø 73.00		2 - 1.5	Ø 18.000	TL	138.0	TEIKIN NO.
	-9.0		TL 59.00	OD	77.0	LKSX 46141
CD	30.00					
TL	58.00	1 - 3.0				

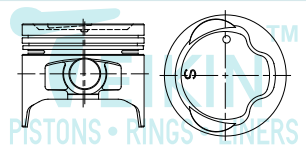
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46141	R 46141	P 46141	LSX 46141

Surface Treatment
None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-11050	13011-11040/41/60/61	11461-11030
13101-11051	13011-11062/64/72/80/90	11461-11050
	13012-11060	
	13013-11060/61/62/63	

15

3E, 3EE 1456 cc — 4 cyl.
SOHC, 12 V, CARB.
TERCEL 1986-94



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 19.50 mm

Ø 73.00		2 - 1.5	Ø 18.000	TL	138.0	TEIKIN NO.
	-3.3		TL 59.00	OD	77.0	LKSX 46274
CD	30.00					
TL	62.00	1 - 3.0				

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46274	R 46141	P 46141	LSX 46141

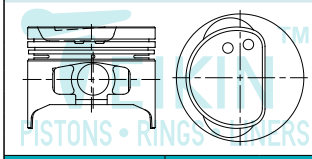
Surface Treatment
None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-11081	13011-11040/41/60/61	11461-11030
	13011-11062/64/72/80/90	11461-11050
	13012-11060	
	13013-11060/61/62/63	

16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

2E-II — 1295 cc — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.55 mm

Ø	73.00	-7.9
CD	30.00	
TL	58.00	

2 - 1.5
1 - 3.0

Ø	18.000
TL	59.00

TL	138.0
OD	77.0

TEIKIN NO. LKSX 46345

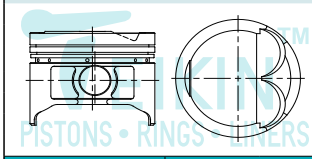
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46345	R 46141	P 46141	LSX 46141

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-11030 13101-11090	13011-11040/41/60/61 13011-11062/64/72/80/90 13012-11060 13013-11060/61/62/63	11461-11030 11461-11050

17

5E-FE — 1497 cc — 4 cyl.
TERCEL, 16 V, 1995-98
PASEO, 16 V, 1992-95



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 14.60 mm

Ø	74.00	+0.7
CD	30.00	
TL	58.85	

2 - 1.2
1 - 3.0

Ø	18.000
TL	59.00

TL	140.0
OD	78.0

TEIKIN NO. LKSX 46258

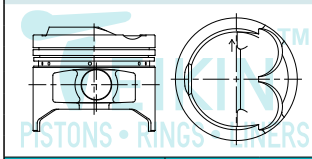
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46258	R 46258	P 46141	LSX 46258

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-11131 13101-11161	13011-11122/40 13011-11160/70/80	11461-11040

18

4E-FE-II — 1331 cc — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 15.00 mm

Ø	74.00	+4.7
CD	30.00	
TL	62.80	

2 - 1.2
1 - 3.0

Ø	18.000
TL	59.00

TL	140.0
OD	78.0

TEIKIN NO. LKSX 46346

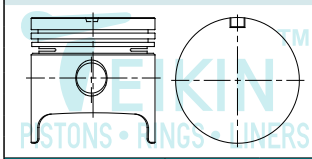
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46346	R 46258	P 46141	LSX 46258

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-11101	13011-11122/40 13011-11160/70/80	11461-11040

19

3K — 1166 cc — 4 cyl.
1970



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 23.80 mm

Ø	75.00
CD	36.00
TL	74.80

2 - 2.0
1 - 4.0

Ø	18.000
TL	61.00



TL	122.0
OD	79.0

TEIKIN NO. LKSX 46103

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46103	R 46103	P 43187	LSX 46103

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-24010 13101-24011	3011-22011/12 13011-24010/11/12 13011-24020/23/30 13012-220122	11461-24010

20

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET

4K , 4KU — 1290 cc — 4 cyl. — 1982

Ø	75.00	-6.8	2 - 1.5	Ø	18.000		TL		140.0	TEIKIN NO.
				TL	61.00		OD		79.0	LKSX 46105
CD	36.00									
TL	68.85		1 - 4.0							
TEIKIN NO.			TEIKIN NO.	TEIKIN NO.			TEIKIN NO.			
46105			R 46105	P 43187			LSX 46105			
							Surface Treatment			
							None			
REFERENCE NO.			REFERENCE NO.				REFERENCE NO.			
13101-13020			13011-13010				11461-13010			
13101-13021			13011-13060							
13101-13022			13013-13010							
			13014-13010							

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 15.00 mm

21

1NZFE — 1496 cc — 4 cyl. — F.I., DOHC — ECHO 2000-01

Ø	75.00	+2.0	2 - 1.2	Ø	18.000		TL		140.0	TEIKIN NO.
				TL	53.00		OD		79.0	LKSX 46332
CD	28.00									
TL	48.80		1 - 2.0							
TEIKIN NO.			TEIKIN NO.	TEIKIN NO.			TEIKIN NO.			
46332			R 46364	P 46332			LSX 46105			
							Surface Treatment			
							None			
REFERENCE NO.			REFERENCE NO.				REFERENCE NO.			
13101-21030			13011-21030				11461-13010			
			13011-21041							
			13011-21050							
			13011-21070							

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 8.50 mm

22

2NZ-FE — 1298 cc — 4 cyl.

Ø	75.00	+1.9	2 - 1.2	Ø	18.000		TL		140.0	TEIKIN NO.
				TL	53.00		OD		79.0	LKSX 46354
CD	28.10									
TL	47.20		1 - 3.0							
TEIKIN NO.			TEIKIN NO.	TEIKIN NO.			TEIKIN NO.			
46354			R 46354	P 46332			LSX 46105			
							Surface Treatment			
							None			
REFERENCE NO.			REFERENCE NO.				REFERENCE NO.			
13101-21050			13011-21060				11461-13010			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 8.75 mm

23

2NZ-FE-II — 1298 cc — 4 cyl.

Ø	75.00	+1.9	2 - 1.2	Ø	18.000		TL		140.0	TEIKIN NO.
				TL	53.00		OD		79.0	LKSX 46355
CD	28.10									
TL	47.20		1 - 2.0							
TEIKIN NO.			TEIKIN NO.	TEIKIN NO.			TEIKIN NO.			
46355			R 46364	P 46332			LSX 46105			
							Surface Treatment			
							None			
REFERENCE NO.			REFERENCE NO.				REFERENCE NO.			
13101-21040			13011-21030				11461-13010			
			13011-21041							
			13011-21050							
			13011-21070							

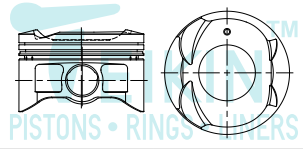
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 8.70 mm

24

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

1NZFE-II — 1500 cc — 4 cyl.

Yaris 06-10,
Echo 00-05
Scion XA
XB 04-06
DOHC 16 Val.

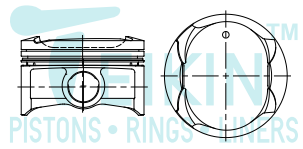


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 8.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 75.00 +2.5 CD 28.30 TL 49.80	2 - 1.2 1 - 2.0	Ø 18.000 TL 53.00		TL 140.0 OD 79.0		TEIKIN NO. LKSX 46364
TEIKIN NO. 46364	TEIKIN NO. R 46364	TEIKIN NO. P 46332		TEIKIN NO. LSX 46105 Surface Treatment None		
REFERENCE NO. 13101-21070	REFERENCE NO. 13011-21030 13011-21041 13011-21050 13011-21070			REFERENCE NO. 11461-13010		

25

1NZ-FXE — 1496 cc — 4 cyl.



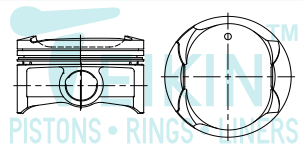
Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 8.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 75.00 +2.5 CD 28.20 TL 47.90	1 - 1.0 1 - 1.2 1 - 2.0	Ø 18.000 TL 53.00				
TEIKIN NO. 46370	TEIKIN NO. R 46370	TEIKIN NO. P 46332				
REFERENCE NO. 13101-21120	REFERENCE NO. 13011-21091					

26

1NZFE-III — 1496 cc — 4 cyl.

ALLEX ~ SIENTA
NCP81 ~ NZE121
(04-05)
DOHC 16V

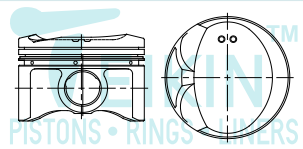


Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown	MRC: 0.030 mm MP: 8.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 75.00 +2.5 CD 28.20 TL 47.70	1 - 1.0 1 - 1.2 1 - 1.5	Ø 18.000 TL 53.00				
TEIKIN NO. 46371	TEIKIN NO. R 46371	TEIKIN NO. P 46332				
REFERENCE NO. 13101-21090	REFERENCE NO. 13011-21080					

27

1G-FE — 6 cyl.



Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 7.20 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 75.00 +2.5 CD 30.30 TL 52.80	2 - 1.2 1 - 3.0	Ø 20.012 TL 56.58				
TEIKIN NO. 46377		TEIKIN NO. P 46340				
REFERENCE NO. 13101-70120						

28

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

1GE — 1988 cc — 6 cyl.

Ø	75.00	+5.0	2 - 1.5	Ø	18.000		TL		140.0	TEIKIN NO.
CD	32.60			TL	61.00		OD		79.0	LKSX 46610
TL	67.60		1 - 4.0							
TEIKIN NO.			TEIKIN NO.	TEIKIN NO.			TEIKIN NO.			
46610 (46292)			R 46610	P 43187			LSX 46610			
							Surface Treatment			
							None			
REFERENCE NO.			REFERENCE NO.				REFERENCE NO.			
13101-70020			13011-70010/30/80							
			13013-70030/80							
			13014-70030/80							
			13015-70030/80							

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 18.00 mm

29

1G-EU — 1988 cc — 6 cyl.

Ø	75.00	-3.4	2 - 1.5	Ø	18.000		TL		140.0	TEIKIN NO.
CD	32.50			TL	61.00		OD		79.0	LKSX 46670
TL	62.50		1 - 4.0							
TEIKIN NO.			TEIKIN NO.	TEIKIN NO.			TEIKIN NO.			
46670			R 46610	P 43187			LSX 46610			
							Surface Treatment			
							None			
REFERENCE NO.			REFERENCE NO.				REFERENCE NO.			
13101-70010			13011-70010/30/80							
			13013-70030/80							
			13014-70030/80							
			13015-70030/80							

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 15.00 mm

30

2A — 1295 cc — 4 cyl.
1982-ON

Ø	76.00	-2.1	2 - 2.0	Ø	18.000					
CD	34.00			TL	61.00					
TL	65.00		1 - 4.0							
TEIKIN NO.			TEIKIN NO.	TEIKIN NO.						
46604 (46299)			R 46604	P 43187						
REFERENCE NO.			REFERENCE NO.							
13101-14020			13011-14010/11/20/21							
			13013-14020							
			13014-14020							
			13015-14020							

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 17.50 mm

31

2A-II — 1295 cc — 4 cyl.
TERCWL
AL11
SOHC 8V

Ø	76.00		2 - 2.0	Ø	18.000					
CD	33.30			TL	61.00					
TL	64.30		1 - 4.0							
TEIKIN NO.			TEIKIN NO.	TEIKIN NO.						
46687			R 46604	P 43187						
REFERENCE NO.			REFERENCE NO.							
13101-14010			13011-14010/11/20/21							
13103-14010			13013-14020							
13104-14010			13014-14020							
13105-14010			13015-14020							

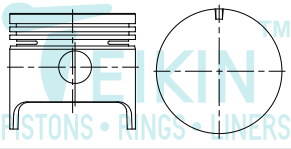
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 17.50 mm

32

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

4P(High) 1493 cc — 4 cyl.

Ø 76.60	2 - 2.0	Ø 20.000
		TL 65.00
CD 33.00		
TL 71.00	1 - 4.0	
TEIKIN NO. 46612 (46305)	**TEIKIN NO.** R 46612	**TEIKIN NO.** P 56101
REFERENCE NO. 13101-96001, 13101-78001	**REFERENCE NO.** 13011-23010, 13011-23030, 13011-78001-71, 13013-78001-71	



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 22.00 mm

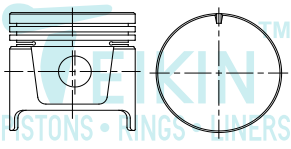
33

3P 1345 cc — 4 cyl.

Ø 76.60	2 - 2.0	Ø 20.000	TL 137.0
		TL 65.00	OD 81.0
CD 38.00			
TL 76.00	1 - 4.0		
TEIKIN NO. 46615 (46314)	**TEIKIN NO.** R 46612	**TEIKIN NO.** P 56101	**TEIKIN NO.** LSX 46615
REFERENCE NO. 13101-23010, 13101-23011	**REFERENCE NO.** 13011-23010, 13011-23030, 13011-78001-71, 13013-78001-71		**REFERENCE NO.** 11462-23011

TEIKIN NO. LKSX 46615

Surface Treatment: None

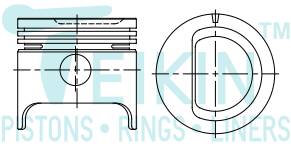


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.035 mm MP: 13.50 mm

34

4P(Low) 1493 cc — 4 cyl.

Ø 76.60 -3.5	2 - 2.0	Ø 20.000
		TL 65.00
CD 34.40		
TL 72.40	1 - 4.0	
TEIKIN NO. 46651	**TEIKIN NO.** R 46612	**TEIKIN NO.** P 56101
REFERENCE NO.	**REFERENCE NO.** 13011-23010, 13011-23030, 13011-78001-71, 13013-78001-71	



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 15.00 mm

35

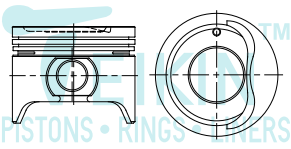
3A, 3AU 1452 cc — 4 cyl.

TERCEL CORSA
SPRINTER
1979

Ø 77.50 -3.0	2 - 1.5	Ø 18.000	TL 140.0
		TL 61.00	OD 81.5
CD 30.95			
TL 60.90	1 - 2.8		
TEIKIN NO. 46163	**TEIKIN NO.** R 46163	**TEIKIN NO.** P 43187	**TEIKIN NO.** LSX 46163
REFERENCE NO. 13101-15020	**REFERENCE NO.** 13011-15010/11/20/21, 13011-15030/31, 13013-15010/30/31, 13014-15010/30		**REFERENCE NO.** 11461-15010

TEIKIN NO. LKSX 46163

Surface Treatment: None



Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 15.00 mm

36

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

1A — 1452 cc — 4 cyl.

1AC , 1AU

Ø	77.50	-3.4	2 - 1.5	Ø	18.000		TL		140.0	TEIKIN NO.
CD	31.00			TL	61.00		OD		81.5	LKSX 46658
TL	61.00		1 - 2.8							
TEIKIN NO.			TEIKIN NO.	TEIKIN NO.			TEIKIN NO.			
46658			R 46163	P 43187			LSX 46163			
							Surface Treatment			
							None			
REFERENCE NO.			REFERENCE NO.				REFERENCE NO.			
13101-15010			13011-15010/11/20/21 13011-15030/31 13013-15010/30/31 13014-15010/30				11461-15010			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.010 mm MP: 10.00 mm

37

2R — 1490 cc — 4 cyl.

Ø	78.00	1 - 2.0	Ø	20.000		TL		144.0	TEIKIN NO.
		1 - 2.5	TL	66.00		OD		82.0	LKSX 46614
CD	39.70								
TL	78.00	1 - 4.0							
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.			TEIKIN NO.			
46614 (46307)		R 46614	P 46187			LSX 46614			
						Surface Treatment			
						None			
REFERENCE NO.		REFERENCE NO.				REFERENCE NO.			
13101-31011 13101-31010		13011-31010 13011-31030 13011-31040				11461-31010			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 25.00 mm

38

5AF — 1498 cc — 4 cyl.

Ø	78.70	-1.8	2 - 1.5	Ø	18.000		TL		140.0	TEIKIN NO.
				TL	61.00		OD		82.7	LKSX 46290
CD	30.50									
TL	59.50		1 - 3.0							
TEIKIN NO.			TEIKIN NO.	TEIKIN NO.			TEIKIN NO.			
46290			R 46290	P 43187			LSX 46290			
							Surface Treatment			
							None			
REFERENCE NO.			REFERENCE NO.				REFERENCE NO.			
13101-15040			13011-15050				11461-15040			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Anodized Crown	MP: 14.50 mm
1st Ring Anodized	

39

5AFE NEW — 1498 cc — 4 cyl.

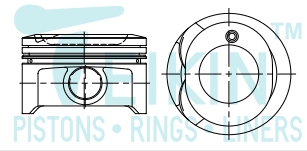
Ø	78.70	-1.5	1 - 1.2 1 - 1.5	Ø	20.012		TL		140.0	TEIKIN NO.
				TL	56.58		OD		82.7	LKSX 46347
CD	30.50									
TL	55.60		1 - 3.0							
TEIKIN NO.			TEIKIN NO.	TEIKIN NO.			TEIKIN NO.			
46347			R 46347	P 46340			LSX 46290			
							Surface Treatment			
							None			
REFERENCE NO.			REFERENCE NO.				REFERENCE NO.			
13101-15050			13011-15100 13011-15120 13011-15130				11461-15040			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.00 mm

40

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

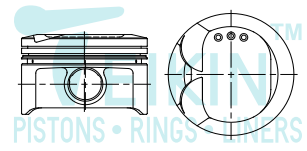
1ZZFE — 1794 cc — 4 cyl.
COROLLA
CELICA, MR2, MATRIX
2000-02
F.I., DOHC 16 V



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 5.00 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 79.00 +2.2 CD 30.00 TL 51.70	2 - 1.2 1 - 3.0	Ø 20.012 TL 50.00					
TEIKIN NO. **46334**	TEIKIN NO. **R 46334**	TEIKIN NO. **P 46334**					
REFERENCE NO. 13101-22140 13101-22020 13101-22030 13101-22031/60 13101-22142	REFERENCE NO. 13011-0D010 13011-22030/40/90 13011-22100/11 13011-22200						41

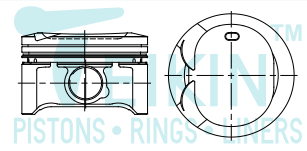
4ZZFE — 1398 cc — 4 cyl.
COROLLA
DOHC 16V
1999-ON



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Anodized Crown	MP: 5.00 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 79.00 +2.2 CD 30.00 TL 51.70	2 - 1.2 1 - 3.0	Ø 20.012 TL 50.00					
TEIKIN NO. **46342**	TEIKIN NO. **R 46334**	TEIKIN NO. **P 46334**					
REFERENCE NO. 13101-22071 13101-22051	REFERENCE NO. 13011-0D010 13011-22030/40/90 13011-22100/11 13011-22200						42

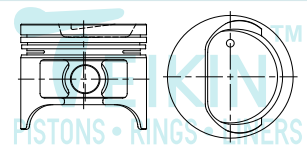
3ZZ-FE — 1598 cc — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Anodized Crown	MP: 7.50 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 79.00 +2.3 CD 29.90 TL 52.20	2 - 1.2 1 - 3.0	Ø 20.012 TL 50.00					
TEIKIN NO. **46367**	TEIKIN NO. **R 46334**	TEIKIN NO. **P 46334**					
REFERENCE NO. 13101-0D071 13101-0D070 13101-0D111	REFERENCE NO. 13011-0D010 13011-22030/40/90 13011-22100/11 13011-22200						43

5K — 1486 cc — 4 cyl.



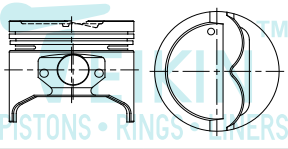
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm
	MP: 18.40 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 80.50 -8.4 CD 36.04 TL 68.99	2 - 1.5 1 - 4.0	Ø 18.000 TL 61.00		TL OD	146.0 84.5		TEIKIN NO. **LKSX 46107**
TEIKIN NO. **46107**	TEIKIN NO. **R 46107**	TEIKIN NO. **P 43187**		TEIKIN NO. **LSX 46107**			
REFERENCE NO. 13101-13030	REFERENCE NO. 13011-13040/50/80/90 13011-13100/10/20 13011-63010/11/20/30/31 13013-13090			Surface Treatment None REFERENCE NO. 11461-13040			44

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

1S — **1832 cc** — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 80.50	2 - 1.5	Ø 20.000		TL		170.0	TEIKIN NO.
-2.0		TL 66.00		OD		84.5	LKSX 46116
CD 33.00							
TL 68.00	1 - 4.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
46116	R 46107	P 46187		LSX 46116			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
13101-63020	13011-13040/50/80/90						
13101-63010	13011-13100/10/20						
13101-63011	13011-63010/11/20/30/31						
	13013-13090						

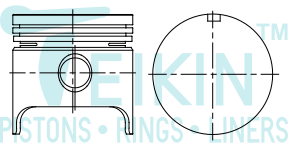


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.50 mm

45

12R, 12RU — **1587 cc** — 4 cyl.
HI-LUX, TOYO-ACE
HI-ACE
1971

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 80.50	2 - 2.0	Ø 20.000		TL		144.0	TEIKIN NO.
		TL 66.00		OD		84.5	LKSX 46187
CD 39.00							
TL 79.90	1 - 4.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
46187	R 46187	P 46187		LSX 46187			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
13101-31020	13011-31050/51/60/61			11461-31020			
13101-31021	13011-31070/81/90/91			11462-31020			
13101-31022	13011-81088						
	13012-31060/70						

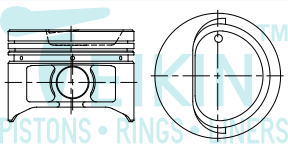


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 23.00 mm

46

7K — **1486 cc** — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 80.50	2 - 1.5	Ø 20.013		TL		165.0	TEIKIN NO.
-9.7		TL 56.58		OD		84.5	LKSX 46259
CD 33.75							
TL 59.00	1 - 4.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
46259	R 46107	P 46259		LSX 46259			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
13101-06030	13011-13040/50/80/90			11461-13060			
	13011-13100/10/20						
	13011-63010/11/20/30/31						
	13013-13090						

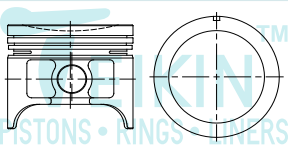


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.00 mm

47

5K-II — **1486 cc** — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 80.50	2 - 1.5	Ø 18.000		TL		146.0	TEIKIN NO.
-3.2		TL 61.00		OD		84.5	LKSX 46335
CD 36.00							
TL 69.00	1 - 4.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
46335	R 46107	P 43187		LSX 46107			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
13101-13040	13011-13040/50/80/90			11461-13040			
	13011-13100/10/20						
	13011-63010/11/20/30/31						
	13013-13090						



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 18.00 mm

48

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

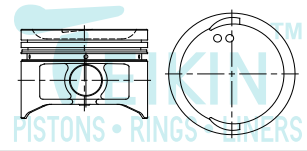
7K-II — 4 cyl.

Ø	80.50	-6.6
CD	33.70	
TL	58.70	

2 - 1.5
1 - 4.0

Ø 20.012
TL 56.58

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46358	R 46358	P 46340



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.50 mm

REFERENCE NO.	REFERENCE NO.
13101-13070 13101-06050-02	

49

1ZR-FE — 1598 cc — 4 cyl.

AURIS ~ COROLLA
ZRE151
(06-)
DOHC 16V

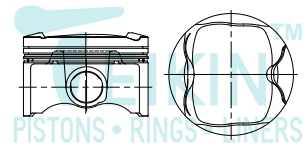
Ø	80.50	+2.5
CD	33.40	
TL	55.00	

2 - 1.0
1 - 1.5

Ø 20.012
TL 50.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46382	R 46382	P 46334



Surface Treatment	Bore Clearance
Tin Coated Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 7.20 mm

REFERENCE NO.	REFERENCE NO.
13101-37081	13011-37090 13011-37130 13011-37140 13011-37160

50

2ZR-FE — 1797 cc — 4 cyl.

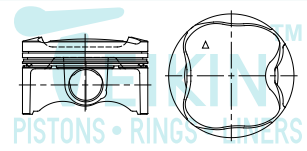
Ø	80.50	+2.5
CD	28.50	
TL	50.10	

2 - 1.0
1 - 1.5

Ø 20.012
TL 50.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46383	R 46382	P 46334



Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 7.00 mm

REFERENCE NO.	REFERENCE NO.
13101-37071 13101-0T010	13011-37090 13011-37130 13011-37140 13011-37160

51

3ZR-FE — 1986 cc — 4 cyl.

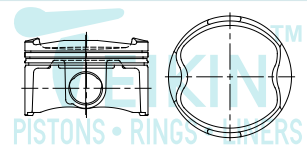
Ø	80.50	+2.2
CD	31.00	
TL	51.20	

2 - 1.0
1 - 1.5

Ø 20.012
TL 50.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46384	R 46382	P 46334



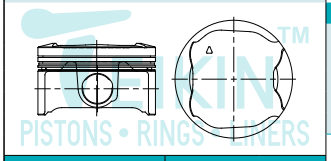
Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 6.50 mm

REFERENCE NO.	REFERENCE NO.
13101-37090	13011-37090 13011-37130 13011-37140 13011-37160

52

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	LINER	NO FLANGE	LINER KIT SET

2ZR-FXE 1798 cc
HYBRID, PRIUS HYBRID — 4 cyl.
2010-15
DOHC 16V L4

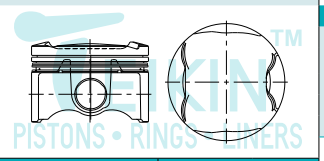


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 6.50 mm
1st Ring Anodized	

Ø 80.50		2 - 1.0	Ø 20.012					
	+2.4		TL 50.00					
CD 28.60								
TL 48.90		1 - 1.5						
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.					
46398		R 46382	P 46334					
REFERENCE NO.		REFERENCE NO.						
13101-37120		13011-37090						
		13011-37130						
		13011-37140						
		13011-37160						

53

1ZR-FBE 1600 cc
TOYOTA COROLLA ALTIS — 4 cyl.
2014 - NOW
DOHC 16 VALVE

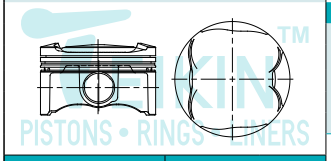


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 9.00 mm
1st Ring Anodized	

Ø 80.50		1 - 1.2	Ø 20.012					
	+2.5	1 - 1.0	TL 50.00					
CD 33.40								
TL 55.10		1 - 2.0						
TEIKIN NO.			TEIKIN NO.					
46402			P 46334					
REFERENCE NO.								
13101-0T240								

54

2ZR-FBE 1800 cc
TOYOTA COROLLA ALTIS — 4 cyl.
2019 - NOW
TOYOTA C-HR
2018 - NOW
DOHC 16 VALVE

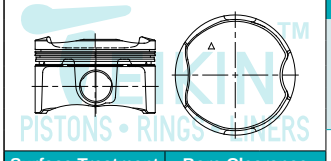


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 8.00 mm
1st Ring Anodized	

Ø 80.50		1 - 1.2	Ø 20.012					
	+2.5	1 - 1.0	TL 50.00					
CD 28.40								
TL 50.10		1 - 2.0						
TEIKIN NO.			TEIKIN NO.					
46403			P 46334					
REFERENCE NO.								
13101-0T151								

55

3ZR-FE-III — 4 cyl.
RAV4 2.0L
ZSA42L-AN * XK
Avensis
Corolla Axio
2016-2019



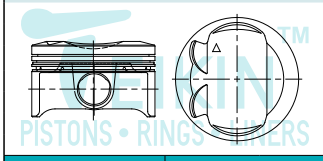
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 6.50 mm
1st Ring Anodized	

Ø 80.50		1 - 1.2	Ø 20.012					
	+2.2	1 - 1.0	TL 50.00					
CD 31.00								
TL 50.20		1 - 2.0						
TEIKIN NO.			TEIKIN NO.					
46407			P 46334					
REFERENCE NO.								
13101-37320								

56

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

2ZR-FXE-II
PRIUS 1.8L — 4 cyl.
ZVW50 / ZVW50L
2017-2019

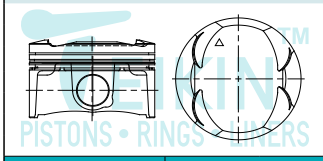


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 6.50 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 80.50 +2.4 CD 28.70 TL 49.20	1 - 1.2 1 - 1.0 1 - 2.0	Ø 20.012 TL 50.00				
TEIKIN NO. 46408		TEIKIN NO. P 46334				
REFERENCE NO. 13101-37260						

57

3ZR-FE-II — 1986 cc
4 cyl.

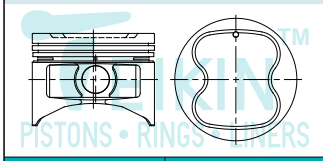


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 6.50 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 80.50 +2.5 CD 30.70 TL 51.30	1 - 1.2 1 - 1.0 1 - 2.0	Ø 20.012 TL 50.00		TL OD	165.0 84.5	TEIKIN NO. LKSX 46688
TEIKIN NO. 46688	TEIKIN NO. R 46688	TEIKIN NO. P 46334		TEIKIN NO. LSX 46259 Surface Treatment None		
REFERENCE NO. 13101-37130	REFERENCE NO. 13011-37150			REFERENCE NO.		

58

4AGEC, 4AGEU — 1587 cc
COROLLA GTS, FX — 4 cyl.
1985-87

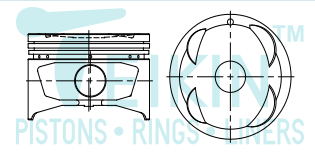


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm
	MP: 16.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 81.00 -2.8 CD 30.50 TL 61.00	2 - 1.5 1 - 2.8	Ø 18.000 TL 61.00				
TEIKIN NO. 46253		TEIKIN NO. P 43187				
REFERENCE NO.						

59

4AFE, 4AG — 1587 cc
COROLLA — 4 cyl.
F.I., DOHC 4
1993-95



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm
	MP: 11.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 81.00 -2.5 CD 30.50 TL 55.75	1 - 1.2 1 - 1.5 1 - 3.0	Ø 20.000 TL 56.58		TL OD	150.0 85.0	TEIKIN NO. LKSX 46262
TEIKIN NO. 46262	TEIKIN NO. R 46262	TEIKIN NO. P 42165		TEIKIN NO. LSX 46262 Surface Treatment None		
REFERENCE NO. 13101-16160 13101-16201	REFERENCE NO. 13011-16230/80/90 13011-16300/20/30/40/50			REFERENCE NO. 11461-16010		

60

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
					LINER			

4AFE-II, 4AG — **1587 cc** — 4 cyl.
COROLLA
F.I., DOHC 4
1993-95

Ø	81.00	-2.5
CD	30.50	
TL	55.75	

1 - 1.2
1 - 1.5
1 - 3.0

Ø 20.000
TL 56.58

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46266	R 46262	P 42165

REFERENCE NO.	REFERENCE NO.
13101-16160M	13011-16230/80/90
13101-16201M	13011-16300/20/30/40/50

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm
	MP: 11.00 mm

61

4AC/ 4AELU — **1587 cc** — 4 cyl.
AE80

Ø	81.00	-3.7
CD	30.55	
TL	60.60	

2 - 1.5
1 - 2.8

Ø 18.000
TL 61.00

TL 150.0
OD 85.0

TEIKIN NO. LKSX 46269

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46269	R 46269	P 43187	LSX 46262

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-16010	13011-16010/11/30/31 13011-16032/50/70/80/90 13011-16180/290 13013-16032/50/70/180	11461-16010

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm
	MP: 15.50 mm

62

4AFE-III — **1587 cc** — 4 cyl.

Ø	81.00	-2.8
CD	30.50	
TL	61.00	

2 - 1.5
1 - 3.0

Ø 18.000
TL 61.00

TL 150.0
OD 85.0

TEIKIN NO. LKSX 46271

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46271	R 46271	P 43187	LSX 46262

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-16090	13011-16070	11461-16010
13101-16110	13011-16120/30/40/50	
	13013-16120/40	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 16.00 mm

63

7AFE — **1762 cc** — 4 cyl.
COROLLA
CELICA
1993-97

Ø	81.00	-2.9
CD	30.35	
TL	55.60	

1 - 1.2
1 - 1.5
1 - 3.0

Ø 20.000
TL 56.58

TL 150.0
OD 85.0

TEIKIN NO. LKSX 46277

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46277	R 46262	P 42165	LSX 46262

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-16150	13011-16230/80/90	11461-16010
13101-16190	13011-16300/20/30/40/50	
13103-16190		

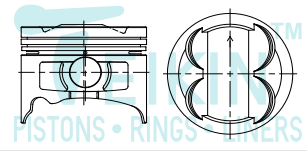
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm
	MP: 11.00 mm

64

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

4 A-GEU — 1587 cc — 4 cyl.

COROLLA GTS
F.I., DOHC 16V
1990-91



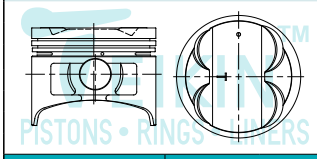
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 19.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 81.00 +1.5 CD 30.50 TL 66.00	1 - 1.2 1 - 1.5 1 - 2.8	Ø 20.000 TL 62.00		TL OD	150.0 85.0	TEIKIN NO. LKSX 46286
TEIKIN NO. 46286	TEIKIN NO. R 46286	TEIKIN NO. P 38129		TEIKIN NO. LSX 46262 Surface Treatment None		
REFERENCE NO. 13101-16121	REFERENCE NO. 13011-16190 13011-16200 13011-16210			REFERENCE NO. 11461-16010		

65

4AGE, 4AGELC — 1587 cc — 4 cyl.

COROLLA 1988-91
DOHC 16 V

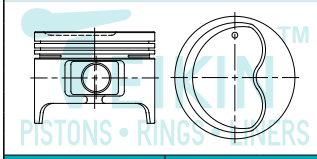


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 18.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 81.00 -1.0 CD 30.60 TL 64.70	2 - 1.5 1 - 2.8	Ø 20.000 TL 61.00		TL OD	150.0 85.0	TEIKIN NO. LKSX 46310
TEIKIN NO. 46310	TEIKIN NO. R 46269	TEIKIN NO. P 46310		TEIKIN NO. LSX 46262 Surface Treatment None		
REFERENCE NO. 13101-16070	REFERENCE NO. 13011-16010/11/30/31 13011-16032/50/70/80/90 13011-16180/290 13013-16032/50/70/180			REFERENCE NO. 11461-16010		

66

4A — 1587 cc — 4 cyl.

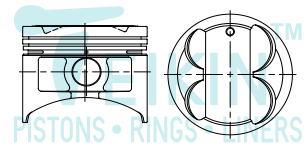


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 15.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 81.00 -2.5 CD 30.50 TL 60.50	2 - 1.5 1 - 2.8	Ø 18.000 TL 61.00				
TEIKIN NO. 46336		TEIKIN NO. P 43187				
REFERENCE NO. 13101-16050						

67

4A-GEU-II — 1587 cc — 4 cyl.



Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 18.30 mm

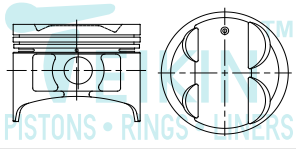
PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 81.00 +0.5 CD 30.50 TL 65.00	2 - 1.5 1 - 2.8	Ø 18.000 TL 61.00		TL OD	150.0 85.0	TEIKIN NO. LKSX 46349
TEIKIN NO. 46349	TEIKIN NO. R 46269	TEIKIN NO. P 43187		TEIKIN NO. LSX 46262 Surface Treatment None		
REFERENCE NO. 13101-16030-02	REFERENCE NO. 13011-16010/11/30/31 13011-16032/50/70/80/90 13011-16180/290 13013-16032/50/70/180			REFERENCE NO. 11461-16010		

68

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

4AGE — 1587 cc — 4 cyl.

Ø 81.00	2 - 1.5	Ø 18.000		TL	150.0		TEIKIN NO.
-1.1		TL 61.00		OD	85.0		LKSX 46618
CD 30.60							
TL 64.60	1 - 2.8						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
46618 (46318)	R 46269	P 43187		LSX 46262			
				Surface Treatment: None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
13101-16020	13011-16010/11/30/31 13011-16032/50/70/80/90 13011-16180/290 13013-16032/50/70/180			11461-16010			

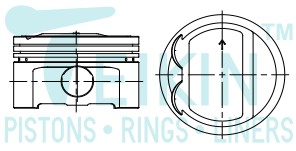


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 18.30 mm

69

4A-GEU - VVT — 1587 cc — 4 cyl.

Ø 81.00	1 - 1.2	Ø 20.000		TL	150.0		TEIKIN NO.
+1.8	1 - 1.5	TL 56.58		OD	85.0		LKSX 46664
CD 30.40							
TL 50.20	1 - 3.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
46664	R 46262	P 42165		LSX 46262			
				Surface Treatment: None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
13101-16220 13101-16221	13011-16230/80/90 13011-16300/20/30/40/50			11461-16010			

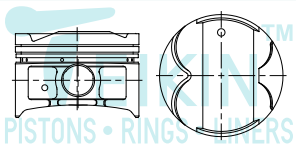


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 5.00 mm

70

2ZZFE — 1796 cc — 4 cyl.

Ø 82.00	2 - 1.2	Ø 20.012						
+1.4		TL 56.58						
CD 31.30								
TL 57.70	1 - 3.0							
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.						
46340	R 46340	P 46340						
REFERENCE NO.	REFERENCE NO.							
13101-88600 13101-88601	13011-88600 13011-88601							



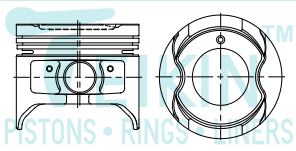
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 10.00 mm

71

4SFI — 1838 cc — 4 cyl.

CRESTA
SX80
(88-92)
SOHC 8V

Ø 82.50	2 - 1.5	Ø 20.000						
-3.6		TL 66.00						
CD 35.40								
TL 70.20	1 - 4.0							
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.						
46289	R 46289	P 46187						
REFERENCE NO.	REFERENCE NO.							
13101-74071 13103-74071 13104-74071	13011-74110/20/21 13013-74110/20 13014-74110/20							



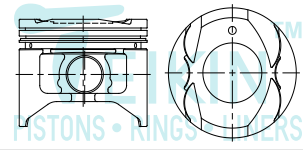
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.30 mm

72

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

4SFI-II — 1838 cc — 4 cyl.

CRESTA
SX80
(88-92)
SOHC 8V



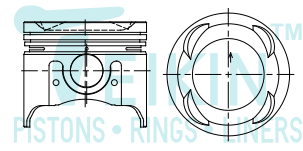
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 18.50 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 82.50 -2.5 CD 35.00 TL 68.00	2 - 1.5 1 - 4.0	Ø 22.000 TL 66.00				
TEIKIN NO. **46376**	TEIKIN NO. **R 46289**	TEIKIN NO. **P 39104**				
REFERENCE NO. 13101-74160-02 13103-74160 13104-74160	REFERENCE NO. 13011-74110/20/21 13013-74110/20 13014-74110/20					

73

7MGTE, 7MGTEU — 2954 cc — 6 cyl.

SUPRA 24 V
F.I., DOHC 6
1987-92



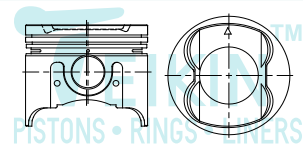
Surface Treatment	Bore Clearance
Anodized Crown 1st Ring Anodized	MRC: 0.020 mm MP: 20.50 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 83.00 -5.9 CD 33.00 TL 70.90	2 - 1.5 1 - 4.0	Ø 22.000 TL 66.00				
TEIKIN NO. **46275**	TEIKIN NO. **R 46275**	TEIKIN NO. **P 39104**				
REFERENCE NO. 13101-42050	REFERENCE NO. 13011-42010/11/20/30/40 13011-42040/60 13011-43050/80 13013-42011/12/40/60					

74

7MGE, 7MG — 2954 cc — 6 cyl.

1986-92 SUPRA
1989-92 CRESSIDA
F.I., DOHC 6

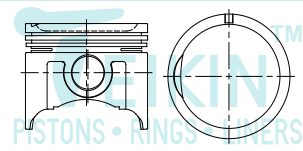


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 20.50 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 83.00 -3.0 CD 33.00 TL 70.90	2 - 1.5 1 - 4.0	Ø 22.000 TL 66.00				
TEIKIN NO. **46280**	TEIKIN NO. **R 46275**	TEIKIN NO. **P 39104**				
REFERENCE NO. 13101-42070 13101-42060 13101-42068	REFERENCE NO. 13011-42010/11/20/30/40 13011-42040/60 13011-43050/80 13013-42011/12/40/60					

75

5M — 2759 cc — 6 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.25 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 83.00 -3.9 CD 33.00 TL 71.00	2 - 2.0 1 - 4.0	Ø 22.000 TL 66.00				
TEIKIN NO. **46605** **(46323)**	TEIKIN NO. **R 46605**	TEIKIN NO. **P 39104**				
REFERENCE NO. 13101-43030 13101-43031	REFERENCE NO. 13011-43010 13011-43030/1 13013-43030 13014-43030					

76

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

5MGEU — 2759 cc — 6 cyl.

Ø	83.00	+1.7
CD	33.00	
TL	72.50	

2 - 1.5
1 - 4.0

Ø	22.000
TL	66.00

	TEIKIN NO.
PISTON SET	46632
RINGS	R 46275
PIN	P 39104

REFERENCE NO.	
PISTON SET	13101-43041
RINGS	13011-42010/11/20/30/40 13011-42040/60 13011-43050/80 13013-42011/12/40/60

Surface Treatment	Bore Clearance
	MRC: 0.030 mm MP: 16.00 mm

77

21R, 21RC — 1972 cc — 4 cyl.

Ø	84.00	+5.0
CD	39.00	
TL	84.00	

1 - 1.5
1 - 2.0
1 - 4.0

Ø	22.000
TL	72.00

TL	150.0
OD	88.0

	TEIKIN NO.
PISTON SET	46199
RINGS	R 46199
PIN	P 46199
FLANGED	LSX 46199
LINER KIT SET	LKSX 46199

Surface Treatment
None

REFERENCE NO.	
PISTON SET	13101-37050 13101-37030
RINGS	13011-37030/50/60 13013-37050/60 13015-37050/60

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 20.50 mm

78

21R-II — 1972 cc — 4 cyl.
CRESSIDA GLE, GLX
CRESSIDA 2000 GLE
1981-ON

Ø	84.00	+2.4
CD	35.00	
TL	65.45	

2 - 1.5
1 - 4.0

Ø	22.000
TL	66.00

TL	150.0
OD	88.0

	TEIKIN NO.
PISTON SET	46267
RINGS	R 46267
PIN	P 39104
FLANGED	LSX 46199
LINER KIT SET	LKSX 46267

Surface Treatment
None

REFERENCE NO.	
PISTON SET	13101-37060 13101-37061
RINGS	13011-37070 13011-37071 13013-37070 13015-37070

Surface Treatment	Bore Clearance
None	MRC: 0.020 mm MP: 11.80 mm

79

2S — 1955 cc — 4 cyl.
2SE

Ø	84.00	-4.2
CD	33.40	
TL	70.30	

2 - 1.5
1 - 4.0

Ø	20.000
TL	66.00

	TEIKIN NO.
PISTON SET	46627 (46317)
RINGS	R 46627
PIN	P 46187

REFERENCE NO.	
PISTON SET	13101-74010 13101-74011
RINGS	13011-7410/20/30/40/41 13013-74020/30/40 13014-74020/30/40 13015-74020/30/40

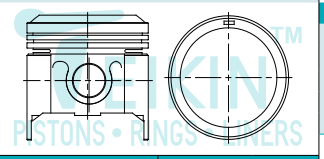
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 22.50 mm

80

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

21R-III — 1955 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 84.00	2 - 2.0	Ø 22.000		TL		150.0	TEIKIN NO.
+4.8		TL 72.00		OD		88.0	LKSX 46653
CD 39.20							
TL 84.10	1 - 4.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
46653	R 46653	P 46199		LSX 46199			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
13101-37010	13011-37010						



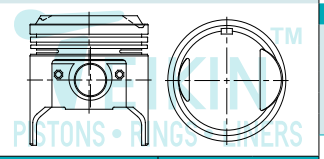
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.50 mm

81

2T, 2T-B — 1588 cc — 4 cyl.

CELICA LB, CARINA
1970-77 SPRINTER

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 85.00	2 - 2.0	Ø 22.000		TL		150.0	TEIKIN NO.
+5.9		TL 66.00		OD		89.0	LKSX 46207
CD 39.05							
TL 90.60	1 - 4.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
46207	R 46207	P 39104		LSX 46207			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
13101-26010 13101-26011	13011-26020/30/40/41 13011-27020 13012-26010/30/40/41 13013-26010/30/40/41			11461-25010 11461-28010			



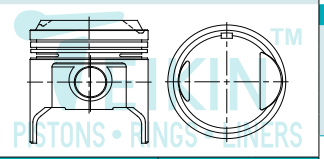
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 28.35 mm

82

2T, 2T-U — 1588 cc — 4 cyl.

CELICA, CARINA
1977 SPRINTER

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 85.00	2 - 1.5	Ø 22.000		TL		150.0	TEIKIN NO.
+7.0		TL 66.00		OD		89.0	LKSX 46211
CD 39.00							
TL 91.80	1 - 4.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
46211	R 46211	P 39104		LSX 46207			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
13101-26031	13011-28010/1/2/20 13011-28030/31/70/71 13013-28011 13013-28030/1			11461-25010 11461-28010			



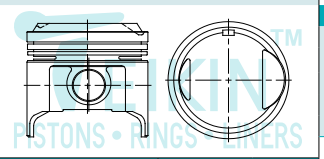
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 28.00 mm

83

3T, 3T-U, 13T-U — 1770 cc — 4 cyl.

CELICA, CHASER
1977-80 CARINA

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 85.00	2 - 1.5	Ø 22.000		TL		150.0	TEIKIN NO.
+5.3		TL 66.00		OD		89.0	LKSX 46218
CD 35.00							
TL 82.35	1 - 4.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
46218	R 46211	P 39104		LSX 46207			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
13101-28010	13011-28010/1/2/20 13011-28030/31/70/71 13013-28011 13013-28030/1			11461-25010 11461-28010			



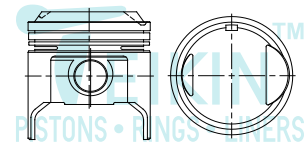
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 22.00 mm

84

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

2T/2TB — 1588 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 85.00 +7.0 CD 39.10 TL 91.80	2 - 2.0 1 - 4.0	Ø 22.000 TL 66.00				
TEIKIN NO. **46338**	TEIKIN NO. **R 46207**	TEIKIN NO. **P 39104**				
REFERENCE NO. 13101-26030	REFERENCE NO. 13011-26020/30/40/41 13011-27020 13012-26010/30/40/41 13013-26010/30/40/41					

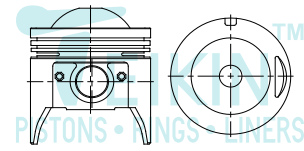


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 28.00 mm

85

2TC — 1588 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 85.00 +14.5 CD 39.20 TL 99.40	2 - 2.0 1 - 4.0	Ø 22.000 TL 66.00		TL 150.0 OD 89.0		TEIKIN NO. **LKSX 46619**
TEIKIN NO. **46619** **(46319)**	TEIKIN NO. **R 46207**	TEIKIN NO. **P 39104**		TEIKIN NO. **LSX 46207** Surface Treatment None		
REFERENCE NO. 13101-26020 13101-26021	REFERENCE NO. 13011-26020/30/40/41 13011-27020 13012-26010/30/40/41 13013-26010/30/40/41			REFERENCE NO. 11461-25010 11461-28010		

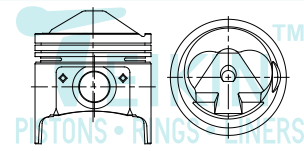


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.036 mm MP: 20.00 mm

86

13T — 1770 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 85.00 +16.6 CD 39.00 TL 97.30	2 - 1.5 1 - 4.0	Ø 22.000 TL 65.00		TL 150.0 OD 89.0		TEIKIN NO. **LKSX 46662**
TEIKIN NO. **46662**	TEIKIN NO. **R 46211**	TEIKIN NO. **P 46662**		TEIKIN NO. **LSX 46207** Surface Treatment None		
REFERENCE NO. 13101-27040	REFERENCE NO. 13011-28010/1/2/20 13011-28030/31/70/71 13013-28011 13013-28030/1			REFERENCE NO. 11461-25010 11461-28010		



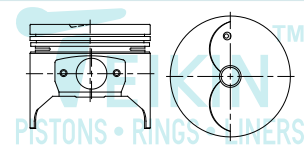
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 10.00 mm

87

1Y — 1626 cc — 4 cyl.

TOWN ACE
1982

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 86.00 -1.7 CD 39.05 TL 73.95	2 - 1.5 1 - 4.0	Ø 22.000 TL 66.00		TL 144.0 OD 90.0		TEIKIN NO. **LKSX 46118**
TEIKIN NO. **46118**	TEIKIN NO. **R 46118**	TEIKIN NO. **P 39104**		TEIKIN NO. **LSX 46118** Surface Treatment None		
REFERENCE NO. 13101-71010	REFERENCE NO. 13011-71010/20/21 13011-71030/1/3/40 13011-72020 13013-71020/1/30/31			REFERENCE NO. 11461-71010		



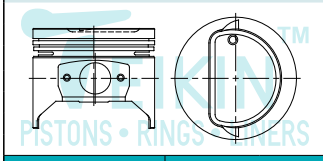
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 21.00 mm

88

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET

2Y — **1812 cc** — 4 cyl.

CORONA VAN
1982

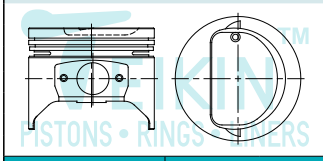


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 20.50 mm

PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 86.00 -2.4 CD 35.05 TL 70.10	2 - 1.5 1 - 4.0	Ø 22.000 TL 66.00		TL OD		154.0 90.0	TEIKIN NO. **LKSX 46119**
TEIKIN NO. **46119**	**TEIKIN NO.** **R 46118**	**TEIKIN NO.** **P 39104**		**TEIKIN NO.** **LSX 46119** Surface Treatment None			
REFERENCE NO. 13101-72010	**REFERENCE NO.** 13011-71010/20/21 13011-71030/1/3/40 13011-72020 13013-71020/1/30/31			**REFERENCE NO.** 11462-72010			89

3Y — **1998 cc** — 4 cyl.

HI-ACE
1982

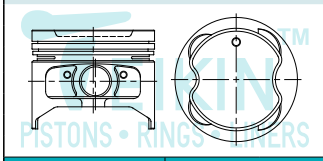


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 21.50 mm

PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 86.00 -4.8 CD 35.00 TL 70.05	2 - 1.5 1 - 4.0	Ø 22.000 TL 66.00		TL OD		144.0 90.0	TEIKIN NO. **LKSX 46120**
TEIKIN NO. **46120**	**TEIKIN NO.** **R 46118**	**TEIKIN NO.** **P 39104**		**TEIKIN NO.** **LSX 46120** Surface Treatment None			
REFERENCE NO. 13101-73010	**REFERENCE NO.** 13011-71010/20/21 13011-71030/1/3/40 13011-72020 13013-71020/1/30/31			**REFERENCE NO.** 11461-73010			90

3SFE — **1998 cc** — 4 cyl.

CAMRY DOHC 4
1987-91
CELICA DOHC 4
1987-89

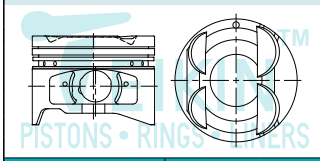


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 18.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 86.00 -4.4 CD 35.40 TL 68.40	2 - 1.5 1 - 4.0	Ø 20.000 TL 66.00		TL OD		177.8 90.0	TEIKIN NO. **LKSX 46255**
TEIKIN NO. **46255**	**TEIKIN NO.** **R 46255**	**TEIKIN NO.** **P 46187**		**TEIKIN NO.** **LSX 46255** Surface Treatment None			
REFERENCE NO. 13101-74040	**REFERENCE NO.** 13011-74070/1/2/80 13011-74081/91/131/280 13013-74071/2/91 13013-74131/280			**REFERENCE NO.** 11461-61030			91

3SGTE — **1998 cc** — 4 cyl.

CELICA TURBO
1988-93
1991-95 MR2
F.I., DOHC 4



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 11.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 86.00 -0.8 CD 35.10 TL 62.10	1 - 1.2 1 - 1.5 1 - 4.0	Ø 22.000 TL 66.00					
TEIKIN NO. **46263**	**TEIKIN NO.** **R 46620**	**TEIKIN NO.** **P 39104**					
REFERENCE NO. 13101-88380 13101-88381	**REFERENCE NO.** 13011-74100 13011-88362/3/80 13013-88380						92

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

1RZ — 1998 cc — 4 cyl.

Ø	86.00	-4.2
CD	35.40	
TL	67.40	

1 - 1.75	
1 - 1.5	
1 - 4.0	

Ø 24.000
TL 61.00

TL		170.0
OD		89.5

TEIKIN NO. LKSX 46300

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46300	R 46300	P 46300	B 46300	LSX 46300

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
13101-75010	13011-75010/20/80 1301375020/80		90999-73129 90999-73125	11461-75010

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.00 mm

93

1AZFE — 1998 cc — 4 cyl.
2.0L DOHC 16V
RAV4 01-03

Ø	86.00	+2.0
CD	38.90	
TL	61.00	

2 - 1.2
1 - 2.0

Ø 22.000
TL 56.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46353	R 46353	P 34101

REFERENCE NO.	REFERENCE NO.
13101-28061	13011-28120 13011-28121

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 6.50 mm

94

1RZ-III — 1998 cc — 4 cyl.

Ø	86.00	-4.8
CD	35.50	
TL	59.00	

1 - 1.75	
1 - 1.5	
1 - 4.0	

Ø 24.000
TL 61.00

TL		170.0
OD		89.5

TEIKIN NO. LKSX 46359

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46359	R 46300	P 46300	LSX 46300

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.
13101-75090 13101-78700	13011-75010/20/80 1301375020/80		11461-75010

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 7.00 mm

95

1AZ-FSE — 1998 cc — 4 cyl.
PREMIO
AZT240
(01-04)
DOHC 16V

Ø	86.00	+3.1
CD	38.90	
TL	62.00	

2 - 1.2
1 - 2.0

Ø 22.000
TL 56.00

TL		144.0
OD		90.0

TEIKIN NO. LKSX 46365

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46365	R 46365	P 34101	LSX 46120

Surface Treatment: None

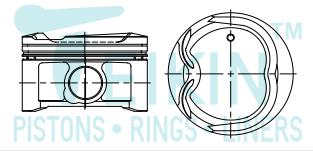
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.
13211-28040-B0	13011-28110 13011-28200		11461-73010

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 5.50 mm

96

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

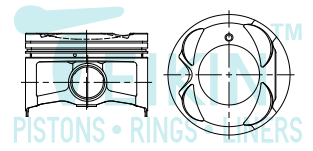
1TR-FE — 1998 cc — 4 cyl.
HIACE
TRH102/ 112/ 200
(03-)
DOHC 16V



Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 6.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 86.00 +2.3 CD 32.70 TL 55.00	2 - 1.2 1 - 2.0	Ø 22.000 TL 56.00		TL 177.8 OD 90.0		TEIKIN NO. LKSX 46366
TEIKIN NO. 46366	TEIKIN NO. R 46366	TEIKIN NO. P 34101	TEIKIN NO. B 46360	TEIKIN NO. LSX 46255 Surface Treatment None		
REFERENCE NO. 13101-0C010 13101-75120	REFERENCE NO. 13011-75100 13011-75120 13013-75100		REFERENCE NO. 90999-73144	REFERENCE NO. 11461-61030		97

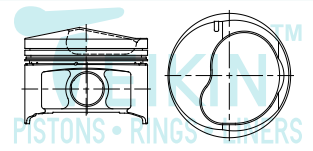
3SFE-VII — 1998 cc — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 10.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 86.00 -4.2 CD 35.00 TL 59.20	2 - 1.2 1 - 3.0	Ø 22.000 TL 56.00		TL 177.8 OD 90.0		TEIKIN NO. LKSX 46373
TEIKIN NO. 46373	TEIKIN NO. R 46701	TEIKIN NO. P 34101		TEIKIN NO. LSX 46255 Surface Treatment None		
REFERENCE NO. 13101-74191	REFERENCE NO. 13011-74320 13011-74340 13011-74361 13013-74320/40			REFERENCE NO. 11461-61030		98

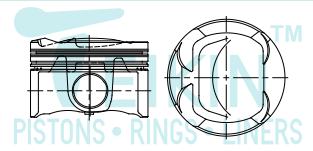
3S-FSE — 1998 cc — 4 cyl.



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 9.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 86.00 +7.6 CD 35.00 TL 66.60	2 - 1.2 1 - 2.0	Ø 22.000 TL 56.00				
TEIKIN NO. 46378		TEIKIN NO. P 34101				
REFERENCE NO. 13101-74230-01						99

8AR-FTS — 1998 cc — 4 cyl.
LEXUS NX 200 T / NX 300 /
RX 200T / RX 300
2013- NOW



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 6.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 86.00 +2.0 CD 36.70 TL 58.20	1 - 1.5 1 - 1.2 1 - 2.0	Ø 24.000 TL 58.00				
TEIKIN NO. 46405A		TEIKIN NO. P 46405				
REFERENCE NO. 13211-36130-A0						100

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

3SFE-II — 1998 cc — 4 cyl.

3S-GELU
3S-GELC

Ø	86.00	-5.1
CD	35.10	
TL	67.10	

1 - 1.2
1 - 1.5
1 - 4.0

Ø 22.000
TL 66.00

TL 177.8
OD 90.0

TEIKIN NO. LKSX 46620

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46620 (46320)	R 46620	P 39104	LSX 46255

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-74030 13101-74031 13101-74032	13011-74100 13011-88362/3/80 13013-88380	11461-61030

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.00 mm

101

3SFE-III — 1998 cc — 4 cyl.

Ø	86.00	-5.3
CD	35.00	
TL	67.90	

2 - 1.5
1 - 4.0

Ø 22.000
TL 66.00

TL 177.8
OD 90.0

TEIKIN NO. LKSX 46621

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46621 (46312)	R 46225	P 39104	LSX 46255

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-74100	13011-74070/1/2/80 13011-74081/91/131/280 13013-74071/2/91 13013-74131/280	11461-61030

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 18.00 mm

102

3SGE — 1998 cc — 4 cyl.

Ø	86.00	+2.1
CD	35.10	
TL	69.20	

1 - 1.2
1 - 1.5
1 - 4.0

Ø 22.000
TL 66.00

TL 177.8
OD 90.0

TEIKIN NO. LKSX 46663

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46663	R 46620	P 39104	LSX 46255

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-88362	13011-74100 13011-88362/3/80 13013-88380	11461-61030

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 10.00 mm

103

3SFE-IV — 1998 cc — 4 cyl.

Ø	86.00	-4.3
CD	35.00	
TL	65.50	

2 - 1.5
1 - 4.0

Ø 22.000
TL 66.00

TL 177.8
OD 90.0

TEIKIN NO. LKSX 46667

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46667	R 46255	P 39104	LSX 46255

Surface Treatment: None

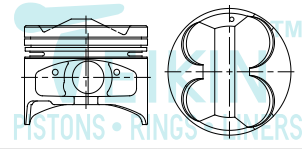
REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-74170	13011-74070/1/2/80 13011-74081/91/131/280 13013-74071/2/91 13013-74131/280	11461-61030

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.00 mm

104

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

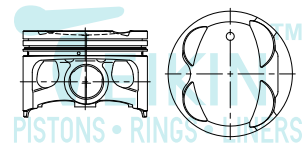
3SGE-II — 1998 cc — 4 cyl.
CARINA - CELICA
MR2
ST182 - ST191
SW20
DOHC 16V (89-94)



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.40 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 86.00 +4.5 CD 35.10 TL 71.60	1 - 1.2 1 - 1.5 1 - 4.0	Ø 22.000 TL 66.00		TL 177.8 OD 90.0			TEIKIN NO. LKSX 46689
TEIKIN NO. 46689	TEIKIN NO. R 46620	TEIKIN NO. P 39104		TEIKIN NO. LSX 46255 Surface Treatment None			
REFERENCE NO. 13101-88363 13103-88363	REFERENCE NO. 13011-74100 13011-88362/3/80 13013-88380			REFERENCE NO. 11461-61030			105

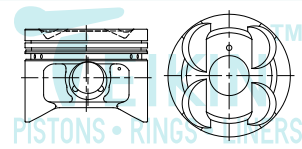
3S-FE-VI — 1998 cc — 4 cyl.
RAV 4
SXA1# ~ SXM10
(96-01)
DOHC 16V



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.50 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 86.00 -2.9 CD 35.00 TL 59.20	2 - 1.2 1 - 3.0	Ø 22.000 TL 56.00		TL 177.8 OD 90.0			TEIKIN NO. LKSX 46701
TEIKIN NO. 46701	TEIKIN NO. R 46701	TEIKIN NO. P 34101		TEIKIN NO. LSX 46255 Surface Treatment None			
REFERENCE NO. 13101-14180 13101-74180 13103-74180	REFERENCE NO. 13011-74320 13011-74340 13011-74361 13013-74320/40			REFERENCE NO. 11461-61030			106

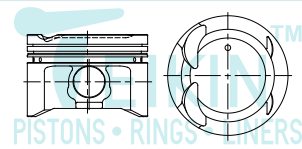
2JZGE — 2997 cc — 6 cyl.
F.I., SOHC, 24 V
SUPRA 1993-98



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 12.00 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 86.00 -1.3 CD 34.00 TL 65.00	2 - 1.5 1 - 4.0	Ø 22.000 TL 66.00					
TEIKIN NO. 46330	TEIKIN NO. R 46330	TEIKIN NO. P 39104					
REFERENCE NO. 13101-46030 13101-46031	REFERENCE NO. 13011-46030/40/41/50						107

2JZGE-II — 2997 cc — 6 cyl.
3.0L DOHC 24V
SUPRA 98
1998-05

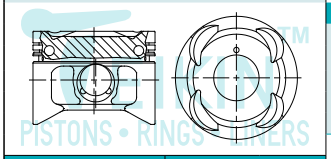


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 10.00 mm

PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
Ø 86.00 -2.3 CD 34.00 TL 59.00	2 - 1.5 1 - 4.0	Ø 22.000 TL 66.00					
TEIKIN NO. 46352	TEIKIN NO. R 46330	TEIKIN NO. P 39104					
REFERENCE NO. 13101-46081	REFERENCE NO. 13011-46030/40/41/50						108

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

2JZGTE 2997 cc — 6 cyl.
F.I., DOHC, 24 V
SUPRA TURBO 1993-98

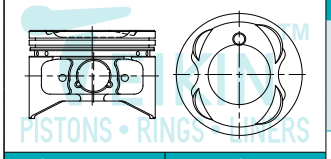


Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 12.30 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 86.00 -3.8 CD 34.00 TL 65.00	2 - 1.5 1 - 4.0	Ø 22.000 TL 66.00				
TEIKIN NO. **46331G**	TEIKIN NO. **R 46330**	TEIKIN NO. **P 39104**				
REFERENCE NO. 13101-46090 13101-46091	REFERENCE NO. 13011-46030/40/41/50					

109

5SFE 2164 cc — 4 cyl.
CELICA, MR2
F.I., DOHC 4
1990-91

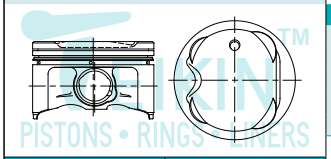


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 15.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 87.00 -4.9 CD 32.50 TL 62.90	2 - 1.5 1 - 4.0	Ø 22.000 TL 66.00				
TEIKIN NO. **46279**	TEIKIN NO. **R 46279**	TEIKIN NO. **P 39104**				
REFERENCE NO. 13101-74130 13101-74080	REFERENCE NO. 13011-74150/90 13011-74260/1 13011-74290/300 13013-74150/90/290					

110

5SFE-II 2164 cc — 4 cyl.
1998-99 CAMRY
SOLARA

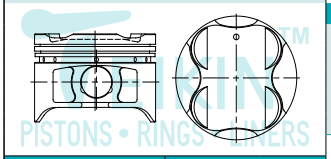


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 7.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 87.00 -4.3 CD 32.50 TL 56.50	2 - 1.2 1 - 3.0	Ø 22.000 TL 66.00				
TEIKIN NO. **46309**	TEIKIN NO. **R 46309**	TEIKIN NO. **P 39104**				
REFERENCE NO. 13101-03060	REFERENCE NO. 13011-74370/80 13011-74410 13013-74370					

111

3VZ-FE 2958 cc — 6 cyl.
CAMRY
F.I., DOHC 6
1992-93



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm MP: 12.00 mm

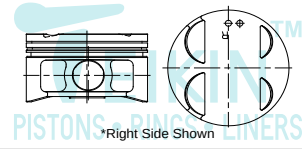
PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 87.50 -3.8 CD 34.00 TL 62.20	2 - 1.5 1 - 4.0	Ø 22.000 TL 62.00		TL OD	150.0 91.5	TEIKIN NO. **LKSX 46281**
TEIKIN NO. **46281**	TEIKIN NO. **R 46281**	TEIKIN NO. **P 43222**		TEIKIN NO. **LSX 46281**		
REFERENCE NO. 13101-62040	REFERENCE NO. 13011-62060 13011-65020/1 13013-62060 13013-65021			Surface Treatment None REFERENCE NO.		

112

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

1MZFE — 2995 cc — 6 cyl.

CAMRY
SOLARA, AVALON,SIENNA
F.I., DOHC 24V
1994-2002


*Right Side Shown

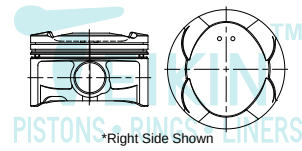
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.020 mm
Anodized Crown	MP: 5.70 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 87.50	2 - 1.2	Ø 22.000		TL		150.0	TEIKIN NO.
-2.5		TL 55.00		OD		91.5	LKFX 46288
CD 31.30							LKSX 46288
TL 51.30	1 - 3.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			TEIKIN NO.		
46288	R 46288	P 48102			LFX 46288		
					LSX 46288		
					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.				REFERENCE NO.		
13101-20030 (R)	13011-0A020						
13101-20020 (L)	13011-20010/2/20/21/22/50						
13101-20010 (R)							
13301-20010 (L)							

113

3GR-FE — 3000 cc — 6 cyl.

V6


*Right Side Shown

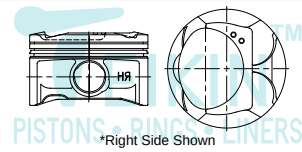
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 7.00 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 87.50	2 - 1.2	Ø 22.000					
+2.4		TL 56.00					
CD 31.20							
TL 54.60	1 - 2.0						
TEIKIN NO.		TEIKIN NO.					
46386		P 34101					
REFERENCE NO.							
13301-31050 (R)							
13101-31080 (L)							

114

3GR-FSE — 3000 cc — 6 cyl.

LEXUS GS190 05-11 “D4”
05-11

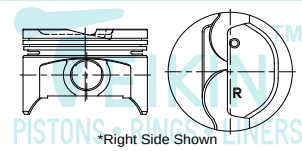

*Right Side Shown

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 5.00 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 87.50	2 - 1.2	Ø 22.000					
+2.1		TL 56.00					
CD 31.00							
TL 54.10	1 - 2.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.					
46397	R 46397	P 34101					
REFERENCE NO.	REFERENCE NO.						
13101-31040-B0 (R)							
13301-31010-B0 (L)							

115

3VZE — 2958 cc — 6 cyl.


*Right Side Shown

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm
	MP: 16.00 mm

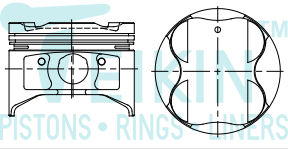
PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 87.50	2 - 1.5	Ø 21.000		TL		150.0	TEIKIN NO.
-3.8		TL 63.50		OD		91.5	LKSX 46606
CD 33.70							
TL 62.60	1 - 4.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			TEIKIN NO.		
46606	R 46281	P 32120			LSX 46281		
(46321)					Surface Treatment		
					None		
REFERENCE NO.	REFERENCE NO.				REFERENCE NO.		
13101-65040 (R)	13011-62060						
13301-65040 (L)	13011-65020/1						
	13013-62060						
	13013-65021						

116

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

2VZ-FE — 2507 cc — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 87.50	2 - 1.5	Ø 21.004				
-2.1		TL 62.50				
CD 32.20						
TL 65.00	1 - 3.0					
TEIKIN NO. 46660	TEIKIN NO. R 46660	TEIKIN NO. P 46660				
REFERENCE NO. 13101-62020	REFERENCE NO. 13011-62040, 13013-62040					

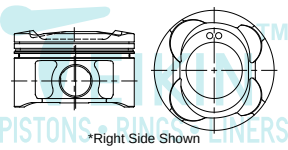


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.025 mm
Anodized Crown	MP: 17.00 mm

117

1UZFE-II — 3968 cc — 8 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 87.50	2 - 1.2	Ø 22.000				
+2.3		TL 62.00				
CD 34.50						
TL 55.80	1 - 3.0					
TEIKIN NO. 46350	TEIKIN NO. R 46350	TEIKIN NO. P 43222				
REFERENCE NO. 13101-50040-02 (R), 13301-50030-02 (L)	REFERENCE NO. 13011-50110, 13011-50120					



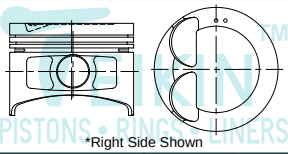
*Right Side Shown

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 5.00 mm
1st Ring Anodized	

118

1UZFE — 3968 cc — 8 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 87.50	2 - 1.5	Ø 22.000				
-0.5		TL 62.00				
CD 34.00						
TL 65.00	1 - 3.0					
TEIKIN NO. 46665	TEIKIN NO. R 46665	TEIKIN NO. P 43222				
REFERENCE NO. 13101-50020 (R), 13101-50010 (L)	REFERENCE NO. 13011-50040, 13011-50060					



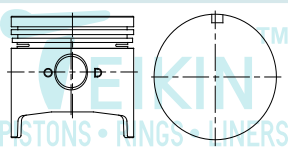
*Right Side Shown

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 15.00 mm

119

5R OLD — 1994 cc — 4 cyl. — 1979

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 88.00	1 - 2.0	Ø 22.000		TL	150.0	TEIKIN NO.
	1 - 2.5	TL 75.00		OD	92.0	LKSX 46175
CD 39.00						
TL 85.00	1 - 4.0					
TEIKIN NO. 46175	TEIKIN NO. R 46175	TEIKIN NO. P 46189		TEIKIN NO. LSX 46175		
REFERENCE NO. 13101-44015, 13101-44011/12, 13101-44013/14	REFERENCE NO. 13011-44010/1/30/31/32, 13011-44033/40/41/42/43/44, 13011-44060/1/2/3/73, 13012-44032/3/40/41/60			Surface Treatment: None REFERENCE NO. 11461-44020		



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 27.50 mm

120

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

5R NEW — **1994 cc** — 4 cyl.

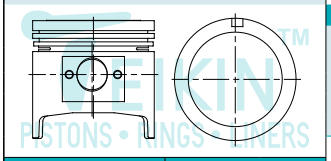
Ø	88.00	+0.3
CD	38.75	
TL	85.00	

1 - 2.0	
1 - 2.5	
1 - 4.0	

Ø	22.000
TL	75.00

TL		150.0
OD		92.0

TEIKIN NO. **LKSX 46177**



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46177	**R 46175**	**P 46189**	**LSX 46175**

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 22.00 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-44016	13011-44010/1/30/31/32 13011-44033/40/41/42/43/44 13011-44060/1/2/3/73 13012-44032/3/40/41/60	11461-44020

121

18R, 18RC, 18RB — **1968 cc** — 4 cyl.
18 RE
1971

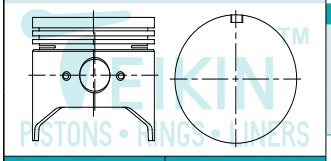
Ø	88.50
CD	39.80
TL	84.85

1 - 2.0	
1 - 2.5	
1 - 4.0	

Ø	22.000
TL	75.00

TL		150.0
OD		92.5

TEIKIN NO. **LKSX 46189**



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46189	**R 46189**	**P 46189**	**LSX 46189**

Surface Treatment: None

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 28.00 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-34010 13101-34030 13101-34040	13011-34012/13/20/21/22/23 13011-34030/40/50 13011-38010/20/40/60 13012-34022	11461-34010

122

20R — **2189 cc** — 4 cyl.
LAND CRUISER
1954

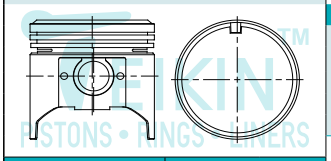
Ø	88.50
	+2.8
CD	38.90
TL	88.70

1 - 2.0	
1 - 2.5	
1 - 4.0	

Ø	22.000
TL	75.00

TL		150.0
OD		92.5

TEIKIN NO. **LKSX 46294**



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46294	**R 46189**	**P 46189**	**LSX 46189**

Surface Treatment: None

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 27.80 mm

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-38010 13101-38020	13011-34012/13/20/21/22/23 13011-34030/40/50 13011-38010/20/40/60 13012-34022	11461-34010

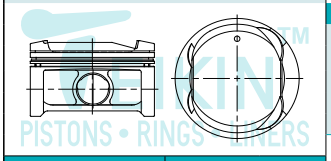
123

2AZFE — **2362 cc** — 4 cyl.
2001-ON
Highlander 01-07
Camry 02-08
Solara 02-08
Scion TC 05-08

Ø	88.50
	+2.1
CD	33.70
TL	55.80

2 - 1.2	
1 - 2.0	

Ø	22.000
TL	56.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46343	**R 46343**	**P 34101**

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.020 mm MP: 6.00 mm

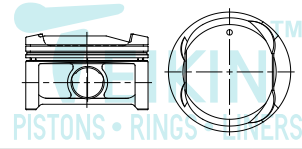
REFERENCE NO.	REFERENCE NO.
13211-28030 13211-28031	13011-23100 13011-28100/1/2 13011-28141/50/51/80

124

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

2AZFE-II — 2362 cc — 4 cyl. — 2008-2011

PISTON SET	RINGS	PIN
Ø 88.50 +2.1	2 - 1.0	Ø 22.000
CD 33.70		TL 56.00
TL 55.80	1 - 2.0	
TEIKIN NO. 46379	TEIKIN NO. R 46379	TEIKIN NO. P 34101
REFERENCE NO. 13211-28110, 13211-28111, 13211-28112	REFERENCE NO. 13011-28160, 13011-28161	

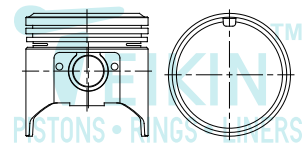


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 6.00 mm
1st Ring Anodized	

125

20R-II — 2189 cc — 4 cyl.

PISTON SET	RINGS	PIN	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 88.50 +2.8	1 - 2.0 1 - 2.5	Ø 22.000 TL 75.00	TL OD	150.0 92.5	TEIKIN NO. LKSX 46659
CD 38.90 TL 88.70	1 - 4.0				
TEIKIN NO. 46659	TEIKIN NO. R 46189	TEIKIN NO. P 46189	TEIKIN NO. LSX 46189		
			Surface Treatment: None		
REFERENCE NO. 13101-38050	REFERENCE NO. 13011-34012/13/20/21/22/23, 13011-34030/40/50, 13011-38010/20/40/60, 13012-34022		REFERENCE NO. 11461-34010		

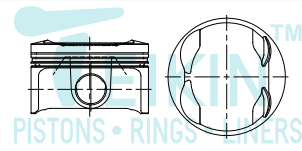


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 27.80 mm

126

2AR-FXE — 2494 cc — 4 cyl.

PISTON SET	RINGS	PIN
Ø 90.00 +2.8	2 - 1.0	Ø 22.000
CD 34.90		TL 56.00
TL 56.30	1 - 2.0	
TEIKIN NO. 46400		TEIKIN NO. P 34101
REFERENCE NO. 13211-36060-B0		

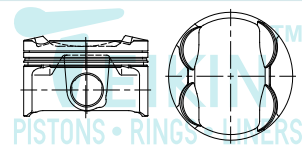


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 6.00 mm
1st Ring Anodized	

127

2AR-FE — 2494 cc — 4 cyl.

PISTON SET	RINGS	PIN
Ø 90.00 +3.4	2 - 1.0	Ø 22.000
CD 34.90		TL 56.00
TL 56.80	1 - 2.0	
TEIKIN NO. 46693	TEIKIN NO. R 46697	TEIKIN NO. P 34101
REFERENCE NO. 13211-36032	REFERENCE NO. 13011-36020, 13011-36030, 13011-36070	



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 5.00 mm
1st Ring Anodized	

128

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

1AR-FE — 2672 cc — 4 cyl.
DOHC 16V

Ø	90.00	+2.8
CD	31.60	
TL	52.90	

Ø	22.000
TL	56.00

	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
	2 - 1.0						
		1 - 2.0					
TEIKIN NO.	46697	R 46697	P 34101				
REFERENCE NO.		13011-36020 13011-36030 13011-36070					

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 6.00 mm

129

F, FA-90 — 3878 cc — 6 cyl.
LAND CRUISER
1954

Ø	90.00	
CD	47.58	
TL	95.50	

Ø	25.150
TL	80.00

TL	187.0
OD	94.0

	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
	2 - 3.0						TEIKIN NO.
		2 - 4.0					LKSX 46132
TEIKIN NO.	46132	R 46132	P 46132		LSX 46132		
					Surface Treatment: None		
REFERENCE NO.	13101-60010 13101-60011	13011-60011 13011-69021 13013-60011 13015-60011			11462-60010		

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 27.50 mm

130

4Y — 2237 cc — 4 cyl.
VAN
F.I., OHV 8V
1986-89

Ø	91.00	-6.2
CD	35.00	
TL	65.00	

Ø	22.000
TL	66.00

TL	164.5
OD	95.0

	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
	2 - 1.5						TEIKIN NO.
		1 - 4.0					LKSX 46122
TEIKIN NO.	46122	R 46122	P 39104		LSX 46122		
					Surface Treatment: None		
REFERENCE NO.	13101-73030 13101-73031 13101-73032 13103-73030 13103-73031	13011-73020/1 13011-73030/1/2/40/42 13013-71031/3 13013-73020/1			11461-73030		

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 15.50 mm

131

3UZ-FE — 8 cyl.

Ø	91.00	+2.9
CD	33.90	
TL	60.90	

Ø	22.000
TL	62.00

	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
	2 - 1.2						TEIKIN NO.
		1 - 3.0					
TEIKIN NO.	46401		P 43222				
REFERENCE NO.	13101-50090-02 (R) 13301-50080-02 (L)						

*Right Side Shown

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown	MRC: 0.030 mm MP: 10.50 mm

132

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

22R — 2366 cc — 4 cyl.
1981

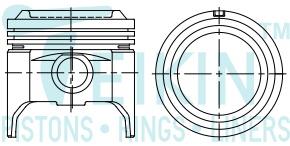
Ø	92.00	+6.4
CD	39.05	
TL	92.45	

1 - 2.0
1 - 2.5
1 - 4.0

Ø 22.000
TL 75.00

TL 180.0
OD 96.0

TEIKIN NO. LKSX 46201



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46201	R 46201	P 46189	LSX 46201

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-35010	13011-35010	11461-35020
13101-35020	13011-35020	
	13011-35030	

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 29.00 mm

133

22R-E — 2366 cc — 4 cyl.

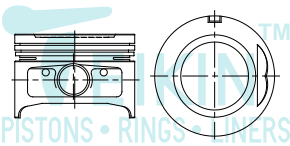
Ø	92.00	-2.5
CD	34.95	
TL	63.90	

2 - 1.5
1 - 4.0

Ø 22.000
TL 69.50

TL 180.0
OD 96.0

TEIKIN NO. LKSX 46202



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46202	R 46202	P 46202	LSX 46201

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-35032	13011-35040/1/50/51/52	11461-35020
13101-35030	13011-35060/1/70/71	
13101-35031	13013-35040/1/50/51/52	
	13015-35040/1/51/52	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.50 mm

134

3MZFE — 3311 cc — 6 cyl.
3.3L DOHC 24V
CAMRY.HIGHLANDER 04-05
SIENNA. SOLARA 04-05

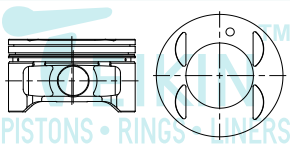
Ø	92.00	-0.6
CD	31.20	
TL	54.50	

2 - 1.2
1 - 3.0

Ø 22.000
TL 56.00

TL 160.5
OD 96.0

TEIKIN NO. LKFX 46357
LKSX 46357



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46357	R 46357	P 34101	LFX 46357 LSX 46357

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-0A040	13011-20060	
13101-20050	13011-20061	

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 9.40 mm

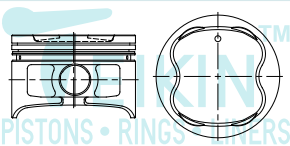
135

5VZ-FE — 3378 cc — 6 cyl.

Ø	93.50	-4.9
CD	34.00	
TL	63.00	

2 - 1.5
1 - 4.0

Ø 22.000
TL 62.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46666	R 46666	P 43222

REFERENCE NO.	REFERENCE NO.
13101-62060	13011-62100/10/20
	13011-66020
	13013-62100/10

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 12.80 mm

136

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

3F NEW, 3FE
4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 94.00 +0.2 CD 37.45 TL 79.70	2 - 2.0 1 - 4.0	Ø 22.000 TL 75.00			TL 168.0 OD 98.0		TEIKIN NO. LKSX 46272-4
TEIKIN NO. 46272-4	TEIKIN NO. R 46272-4	TEIKIN NO. P 46189			TEIKIN NO. LSX 46272		
					Surface Treatment None		
REFERENCE NO. 13101-61032	REFERENCE NO. 13011-61062 13013-61062 13015-61062 13017-61062				REFERENCE NO.		

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 27.50 mm

137

2GR-FE
4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 94.00 +2.1 CD 31.30 TL 52.50	2 - 1.2 1 - 2.0	Ø 22.000 TL 56.00			TL 168.0 OD 98.0		TEIKIN NO. LKFX 46363-4 LKSX 46363-4
TEIKIN NO. 46363-4	TEIKIN NO. R 46363-4	TEIKIN NO. P 34101	TEIKIN NO. B 46360		TEIKIN NO. LFX 46363 LSX 46363		
					Surface Treatment None		
REFERENCE NO. 13101-31091 13101-31090 13101-31092	REFERENCE NO. 13011-31130		REFERENCE NO. 90999-73144		REFERENCE NO.		

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 5.50 mm

138

2F 4230 cc
LAND CRUISER
1975
6 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 94.00 +0.3 CD 47.38 TL 95.75	1 - 2.0 1 - 2.5 1 - 4.0	Ø 25.150 TL 71.80			TL 191.0 OD 98.0		TEIKIN NO. LKSX 46136
TEIKIN NO. 46136	TEIKIN NO. R 46136	TEIKIN NO. P 46136			TEIKIN NO. LSX 46136		
					Surface Treatment None		
REFERENCE NO. 13101-61010 13101-61011	REFERENCE NO. 13011-61010/40 13013-61010/20 13015-61010/20 13017-61010/20				REFERENCE NO. 11461-61010		

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 26.30 mm

139

3F 4230 cc
6 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 94.00 +0.2 CD 37.45 TL 79.70	2 - 1.5 1 - 4.0	Ø 22.000 TL 75.00			TL 191.0 OD 98.0		TEIKIN NO. LKSX 46138
TEIKIN NO. 46138	TEIKIN NO. R 46138	TEIKIN NO. P 46189			TEIKIN NO. LSX 46136		
					Surface Treatment None		
REFERENCE NO. 13101-61030 13101-61031	REFERENCE NO. 13011-61060/1 13013-61060/1 13015-61060/1 13017-61060/1				REFERENCE NO. 11461-61010		

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 27.50 mm

140

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

3F NEW, 3FE — 3956 cc — 6 cyl.

Ø 94.00 +0.2	2 - 2.0	Ø 22.000		TL 168.0		TEIKIN NO.
CD 37.45		TL 75.00		OD 98.0		LKSX 46272
TL 79.70	1 - 4.0					
TEIKIN NO. 46272	TEIKIN NO. R 46272	TEIKIN NO. P 46189		TEIKIN NO. LSX 46272		
				Surface Treatment: None		
REFERENCE NO. 13101-61032	REFERENCE NO. 13011-61062, 13013-61062, 13015-61062, 13017-61062			REFERENCE NO.		

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 27.50 mm

141

2GR-FE — 3456 cc — 6 cyl.
CAMRY
V6 24VALVE DOHC VVT-i

Ø 94.00 +2.1	2 - 1.2	Ø 22.000		TL 168.0		TEIKIN NO.
CD 31.30		TL 56.00		OD 98.0		LKFX 46363
TL 52.50	1 - 2.0					LKSX 46363
TEIKIN NO. 46363	TEIKIN NO. R 46363	TEIKIN NO. P 34101	TEIKIN NO. B 46360	TEIKIN NO. LFX 46363, LSX 46363		
				Surface Treatment: None		
REFERENCE NO. 13101-31091, 13101-31090, 13101-31092	REFERENCE NO. 13011-31130		REFERENCE NO. 90999-73144	REFERENCE NO.		

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 5.50 mm

142

1GR-FE — 4000 cc — 6 cyl.
V6
LAND CRUISER 120
GRJ12#
(03-)
DOHC 24V

Ø 94.00 +2.8	2 - 1.2	Ø 22.000		TL 168.0		TEIKIN NO.
CD 32.70		TL 62.00		OD 98.0		LKSX 46368
TL 56.50	1 - 2.0					
TEIKIN NO. 46368	TEIKIN NO. R 46368	TEIKIN NO. P 43222		TEIKIN NO. LSX 46272		
				Surface Treatment: None		
REFERENCE NO. 13101-31030	REFERENCE NO. 13011-31100, 13011-31210			REFERENCE NO.		

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 8.00 mm

143

2GR-FSE — 3500 cc — 6 cyl.
LEXUS GS190 05-11
05-11

Ø 94.00 +1.9	2 - 1.2	Ø 22.000				
CD 31.30		TL 56.00				
TL 52.70	1 - 2.0					
TEIKIN NO. 46396	TEIKIN NO. R 46363	TEIKIN NO. P 34101				
REFERENCE NO. 13101-31061-B0 (R), 13301-31031-B0 (L)	REFERENCE NO. 13011-31130					

*Right Side Shown

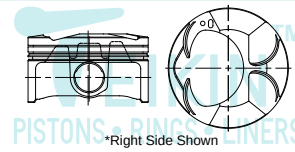
Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 6.50 mm

144

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET

2GR-FKS — 3456 cc — 6 cyl.

LEXUS GS 350 / RX 350 / LM 350
2016- NOW

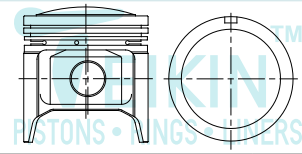

*Right Side Shown

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 7.00 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING	LINER KIT SET
Ø 94.00 +2.5	2 - 1.2	Ø 22.000		
CD 31.50		TL 56.00		
TL 53.50	1 - 2.0			
TEIKIN NO. 46404		TEIKIN NO. P 34101		
REFERENCE NO. 13101-31171-A0 (R) 13301-31101-A0 (L)				

145

2F-II — 4230 cc — 6 cyl.



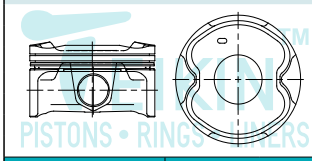
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 26.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 94.00 +6.9	1 - 2.0	Ø 25.150		TL 191.0		TEIKIN NO.
CD 47.50	1 - 2.5	TL 71.80		OD 98.0		LKSX 46623
TL 102.40	1 - 4.0					
TEIKIN NO. 46623 (46326)	TEIKIN NO. R 46136	TEIKIN NO. P 46136		TEIKIN NO. LSX 46136		
				Surface Treatment None		
REFERENCE NO. 13101-61020	REFERENCE NO. 13011-61010/40 13013-61010/20 13015-61010/20 13017-61010/20			REFERENCE NO. 11461-61010		

146

1GR-FE-II — 3955 cc — 6 cyl.

LAND CRUISER PRADO
GRJ150
DOHC 24V (09--)



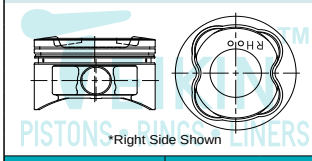
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 6.50 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 94.00 +2.4	2 - 1.2	Ø 22.000		TL 168.0		TEIKIN NO.
CD 32.80		TL 56.00		OD 98.0		LKSX 46703
TL 54.70	1 - 2.0					
TEIKIN NO. 46703	TEIKIN NO. R 46368	TEIKIN NO. P 34101		TEIKIN NO. LSX 46272		
				Surface Treatment None		
REFERENCE NO. 13101-31120	REFERENCE NO. 13011-31100 13011-31210			REFERENCE NO.		

147

2UZFE — 4663 cc — 8 cyl.

LANDCRUISER SEQUOIA, TUNDRA
1998-2002
F.I., DOHC 32 V


*Right Side Shown

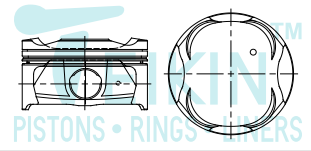
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.020 mm
4Anodized Crown	MP: 10.50 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING	LINER KIT SET
Ø 94.00 +2.4	2 - 1.5	Ø 22.000		
CD 33.90		TL 62.00		
TL 60.30	1 - 4.0			
TEIKIN NO. 46337	TEIKIN NO. R 46337	TEIKIN NO. P 43222		
REFERENCE NO. 13101-50050-01(R) 13301-50040-01(L)	REFERENCE NO. 13011-50140 13011-50141 13011-50150			

148

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

3UR-FE 5663 cc
V8 — 8 cyl.

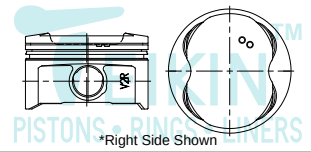


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 6.50 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 94.00 +1.8 CD 33.60 TL 55.30	2 - 1.2 1 - 2.0	Ø 22.000 TL 56.00				
TEIKIN NO. **46388**	TEIKIN NO. **R 46388**	TEIKIN NO. **P 34101**				
REFERENCE NO. 13101-0S011	REFERENCE NO. 13011-0S011					

149

2UZ-FE-II 4700 cc
LAND CRUISER 200 07
07-NEW — 8 cyl.



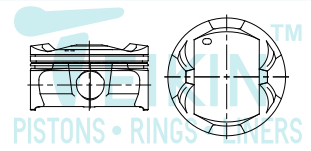
*Right Side Shown

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 3.50 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 94.00 +2.5 CD 33.90 TL 57.40	2 - 1.2 1 - 3.0	Ø 22.000 TL 62.00				
TEIKIN NO. **46395**	TEIKIN NO. **R 46395**	TEIKIN NO. **P 43222**				
REFERENCE NO. 13101-50082-02(R) 13301-50072-02(L)	REFERENCE NO.					

150

1UR-FE 4608 cc
SEQUOIA 2012-12,
TUNDRA PICKUP
2010-16
DOHC 32V V8 — 8 cyl.

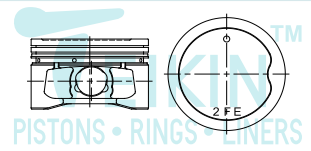


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 7.00 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 94.00 +1.9 CD 31.10 TL 53.00	2 - 1.2 1 - 2.0	Ø 22.000 TL 56.00				
TEIKIN NO. **46399**		TEIKIN NO. **P 34101**				
REFERENCE NO. 13101-0S020						

151

2RZ-FE 2438 cc
TACOMA 1995-99 — 4 cyl.



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 7.60 mm
1st Ring Anodized	

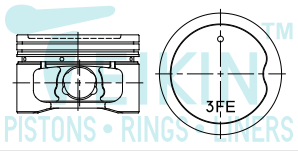
PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 95.00 -0.9 CD 35.50 TL 58.90	2 - 1.5 1 - 4.0	Ø 24.007 TL 70.00				
TEIKIN NO. **46311**	TEIKIN NO. **R 46311**	TEIKIN NO. **P 46312**				
REFERENCE NO. 13101-75070 13101-75071	REFERENCE NO. 13011-75040 13013-75040					

152

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

3RZ-FE, 3RZ-FZ — **2693 cc** — **4 cyl.**

4 RUNNER 1996-99
T 100 1994-98
TACOMA 1995-99
DOHC 16 V



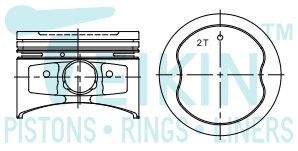
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 6.20 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 95.00	2 - 1.5	Ø 24.007		TL		177.8	TEIKIN NO.
-2.7		TL 70.00		OD		99.0	LKSX 46312
CD 37.50							
TL 61.00	1 - 4.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
46312	R 46311	P 46312		LSX 46312			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.			
13101-75040	13011-75040						
13101-75041	13013-75040						

153

2TZ-FE — **2438 cc** — **4 cyl.**

PREVIA 1990-95
DOHC 16 V



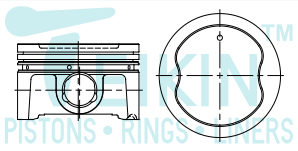
Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.030 mm
1st Ring Anodized	MP: 14.60 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 95.00	1 - 1.75	Ø 24.007					
-2.5	1 - 1.5	TL 70.00					
CD 35.50							
TL 67.40	1 - 4.0						
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.					
46313	R 46313	P 46312					
REFERENCE NO.	REFERENCE NO.						
13101-76041	13011-75030/60/70						
	13011-76010/50						
	13013-75030/70						

154

2TZFZE — **2438 cc** — **4 cyl.**

F.I., DOHC, 16 V TURBO
PREVIA 1995-98



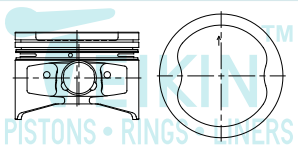
Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.030 mm
1st Ring Anodized	MP: 5.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 95.00	1 - 1.75	Ø 24.007					
-3.3	1 - 1.5	TL 70.00					
CD 35.50							
TL 58.00	1 - 4.0						
TEIKIN NO.		TEIKIN NO.					
46329		P 46312					
REFERENCE NO.							
13101-76050							

155

2TZ-FE-II — **2438 cc** — **4 cyl.**

PREVIA 1990-95
DOHC 16 V



Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.030 mm
1st Ring Anodized	MP: 14.60 mm

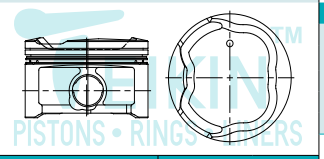
PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 95.00	1 - 1.75	Ø 24.007					
-6.3	1 - 1.5	TL 70.00					
CD 35.13							
TL 67.03	1 - 4.0						
TEIKIN NO.		TEIKIN NO.					
46344		P 46312					
REFERENCE NO.							

156

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

2TR-FE — 2700 cc — 4 cyl.

FORTUNER 2.7
Hiace 05-08,
Hilux 06-08
Tacoma 04-08

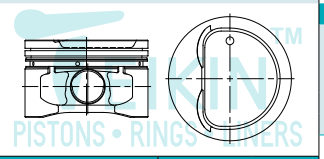


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 6.30 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 95.00 +2.2	2 - 1.2	Ø 22.000		TL 177.8		TEIKIN NO.
CD 37.10		TL 62.00		OD 99.0		LKSX 46360
TL 59.40	1 - 2.0					
TEIKIN NO. 46360	TEIKIN NO. R 46360	TEIKIN NO. P 43222	TEIKIN NO. B 46360	TEIKIN NO. LSX 46312		
				Surface Treatment: None		
REFERENCE NO. 13101-0C020, 13101-75130	REFERENCE NO. 13011-75110, 13011-75130, 13013-75110		REFERENCE NO. 90999-73144	REFERENCE NO.		

157

2RZ-FE-III — 2438 cc — 4 cyl.

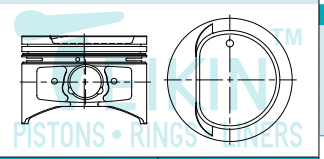


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Anodized Crown	MP: 7.50 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 95.00 -5.7	1 - 1.75	Ø 24.007				
CD 35.50	1 - 1.5	TL 70.00				
TL 59.00	1 - 4.0					
TEIKIN NO. 46375	TEIKIN NO. R 46313	TEIKIN NO. P 46312				
REFERENCE NO. 13101-75080, 13103-75080	REFERENCE NO. 13011-75030/60/70, 13011-76010/50, 13013-75030/70					

158

2RZ, 2RZE — 2438 cc — 4 cyl.



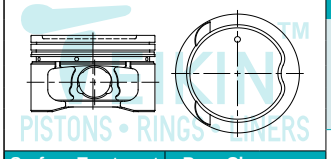
Surface Treatment	Bore Clearance
Anodized Crown	MRC: 0.030 mm
1st Ring Anodized	MP: 14.70 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 95.00 -5.8	1 - 1.75	Ø 24.007				
CD 35.50	1 - 1.5	TL 70.00				
TL 67.60	1 - 4.0					
TEIKIN NO. 46607 (46333)	TEIKIN NO. R 46313	TEIKIN NO. P 46312	TEIKIN NO. B 46300			
REFERENCE NO. 13101-75020	REFERENCE NO. 13011-75030/60/70, 13011-76010/50, 13013-75030/70		REFERENCE NO. 90999-73129, 90999-73125			

159

3RZ-F — 2693 cc — 4 cyl.

COASTER
RZB40-RZB50
(93-99)
DOHC 16V



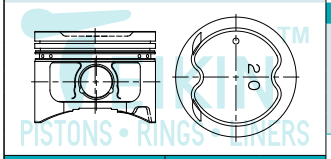
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 6.50 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 95.00 -5.4	1 - 1.75	Ø 24.000		TL 177.8		TEIKIN NO.
CD 37.60	1 - 1.5	TL 71.00		OD 99.0		LKSX 46694
TL 61.00	1 - 4.0					
TEIKIN NO. 46694	TEIKIN NO. R 46313	TEIKIN NO. P 31131	TEIKIN NO. B 46300	TEIKIN NO. LSX 46312		
				Surface Treatment: None		
REFERENCE NO. 13101-75050, 13103-75050	REFERENCE NO. 13011-75030/60/70, 13011-76010/50, 13013-75030/70		REFERENCE NO. 90999-73129, 90999-73125	REFERENCE NO.		

160

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

1FZ-FE — 4476 cc — 6 cyl.



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.040 mm
Anodized Crown	MP: 14.50 mm
1st Ring Anodized	

Ø 100.00	2 - 2.0	Ø 26.000
-3.9		TL 62.70
CD 42.00		
TL 76.00	1 - 4.0	

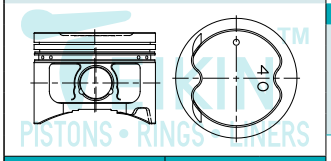
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46270	R 46270	P 46270

REFERENCE NO.	REFERENCE NO.
13101-66020	13011-66020

161

1FZ-FE-II — 4476 cc — 6 cyl.

LAND CRUISER
1993-95, 96-97
DOHC,24 V



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.040 mm
Anodized Crown	MP: 14.50 mm
1st Ring Anodized	

Ø 100.00	1 - 1.75	Ø 26.000
-2.4	1 - 2.0	TL 62.70
CD 42.00		
TL 76.00	1 - 4.0	

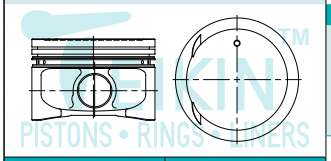
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46282	R 46282	P 46270

REFERENCE NO.	REFERENCE NO.
13101-66040	13011-66021 13013-66021 13015-66021

162

1FZ-FE-III — 4477 cc — 6 cyl.

LAND CRUISER
FZJ100L
(98-05)
DOHC 24V



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm
Anodized Crown	MP: 6.00 mm
1st Ring Anodized	

Ø 100.00	1 - 1.75	Ø 26.000
-1.1	1 - 2.0	TL 62.70
CD 42.00		
TL 66.00	1 - 4.0	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46372	R 46282	P 46270

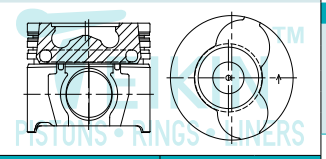
REFERENCE NO.	REFERENCE NO.
13101-66050-02 13103-66050 13105-66050	13011-66021 13013-66021 13015-66021

163

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

1ND-TV — 1364 cc — 4 cyl.

YARIS
ECHO
VERSO

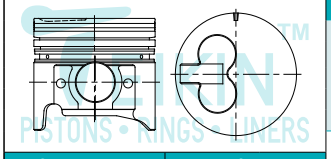


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Moly Skirt	MP: 5.40 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 73.00	2 - 1.5	Ø 27.000		TL 132.0	132.0	TEIKIN NO.
-14.5		TL 58.00		OD 77.0	77.0	LKSF 46676AG
CD 41.70				FT 5.0		LKSX 46676AG
TL 64.10	1 - 3.0			FD 80.0		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
46676AG	R 46676	P 46260	B 46680	LSF 46676 LSX 46676		
				Surface Treatment: None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
13101-0W011	13011-33041 13011-33060 13011-33070					

164

1N — 1453 cc — 4 cyl.

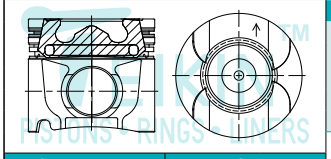


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 15.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 74.00	1 - 1.5 HK	Ø 23.500		TL 136.0	133.0	TEIKIN NO.
-1.8	1 - 1.5	TL 58.00		OD 78.0	78.0	LKSF 46276
CD 38.50				FT 2.5		LKSX 46276
TL 67.50	1 - 3.0			FD 82.0		LKSF 46276A
						LKSX 46276A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
46276 46276A	R 46276	P 46276	B 46112	LSF 46276 LSX 46276		
				Surface Treatment: None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
13101-55020	13011-55010 13011-55011 13013-55010		90999-73109			

165

1CD-FTV — 1995 cc — 4 cyl.



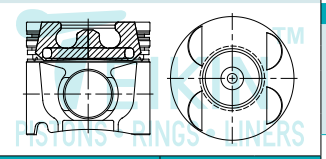
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.060 mm
	MP: 6.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 82.20	1 - 2.0	Ø 31.000		TL 151.0	151.0	TEIKIN NO.
-15.5	1 - 1.5	TL 68.00		OD 86.2	86.2	LKSF 46680AG
CD 47.80				FT 5.0		LKSX 46680AG
TL 74.80	1 - 3.0			FD 88.2		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
46680AG	R 46680	P 46680	B 46260	LSF 46680 LSX 46680		
				Surface Treatment: None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
13101-OG010 13101-OG0A0 13101-OG0B0 13101-OG0C0	13011-27030 13011-27040					

166

1CD-FTV-II — 1995 cc — 4 cyl.

AVENSIS
PREVIA
RAV4
ACR30-CDT220-CLA2#
1999-2007



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.080 mm
	MP: 7.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 82.20	1 - 2.0	Ø 31.000		TL 151.0	151.0	TEIKIN NO.
-17.4	1 - 1.5	TL 68.00		OD 86.2	86.2	LKSF 46690AG
CD 47.80				FT 5.0		LKSX 46690AG
TL 74.80	1 - 3.0			FD 88.2		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		
46690AG	R 46680	P 46680	B 46260	LSF 46680 LSX 46680		
				Surface Treatment: None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
13101-27050 13101-27051	13011-27030 13011-27040					

167

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

1C — 1839 cc — 4 cyl. — 1982

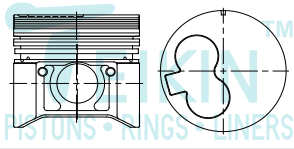
Ø	83.00	-1.1
CD	47.00	
TL	77.00	

1 - 2.0 HK
1 - 2.0
1 - 4.0

Ø 27.000
TL 68.00

TL	152.0		150.0
OD	86.0		87.0
FT	5.0		
FD	88.0		

TEIKIN NO.
LKFX 46112
LKSF 46112
LKSX 46112
LKFX 46112A
LKSF 46112A
LKSX 46112A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46112 46112A	R 46112	P 39130	B 46112	LFX 46112 LSF 46112 LSX 46112
				Surface Treatment: None
REFERENCE NO. 13101-64010 13101-64020	REFERENCE NO. 13011-64010/20/40 13011-64070/80 13013-64000/20/70		REFERENCE NO. 90999-73091 90999-73101	REFERENCE NO. 11461-64011

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.50 mm

168

1C-III — 1839 cc — 4 cyl.

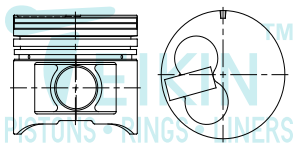
Ø	83.00	-1.1
CD	47.00	
TL	76.90	

1 - 2.0 HK
1 - 2.0
1 - 3.0

Ø 27.000
TL 58.00

TL	152.0		150.0
OD	86.0		87.0
FT	5.0		
FD	88.0		

TEIKIN NO.
LKFX 46630
LKSF 46630
LKSX 46630



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46630	R 46630	P 46260	B 46260	LFX 46112 LSF 46112 LSX 46112
				Surface Treatment: None
REFERENCE NO. 13101-64100 13101-64050	REFERENCE NO. 13011-64130 13011-64220 13013-64130		REFERENCE NO. 90999-73101 90999-73102 90999-73138	REFERENCE NO. 11461-64011

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.00 mm

169

1C-II — 1839 cc — 4 cyl.

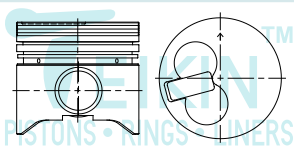
Ø	83.00	-1.2
CD	47.00	
TL	77.00	

1 - 2.0 HK
1 - 2.0
1 - 3.0

Ø 27.000
TL 58.00

TL	152.0		150.0
OD	86.0		87.0
FT	5.0		
FD	88.0		

TEIKIN NO.
LKFX 46650
LKSF 46650
LKSX 46650



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46650	R 46630	P 46260	B 46260	LFX 46112 LSF 46112 LSX 46112
				Surface Treatment: None
REFERENCE NO. 13101-64060	REFERENCE NO. 13011-64130 13011-64220 13013-64130		REFERENCE NO. 90999-73101 90999-73102 90999-73138	REFERENCE NO. 11461-64011

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 15.00 mm

170

1C NEW — 1839 cc — 4 cyl.

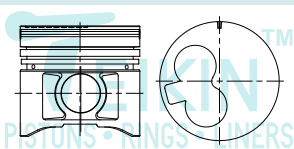
Ø	83.00	-1.3
CD	47.00	
TL	76.90	

1 - 2.0 HK
1 - 2.0
1 - 3.0

Ø 27.000
TL 58.00

TL	152.0		144.0
OD	86.0		87.0
FT	5.0		
FD	88.0		

TEIKIN NO.
LKFX 46692
LKSF 46692
LKSX 46692



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46692	R 46630	P 46260	B 46260	LFX 46112 LSF 46112 LSX 46112
				Surface Treatment: None
REFERENCE NO. 13101-64130	REFERENCE NO. 13011-64130 13011-64220 13013-64130		REFERENCE NO. 90999-73101 90999-73102 90999-73138	REFERENCE NO. 11461-64011

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.50 mm

171

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

2C — 1974 cc — 4 cyl.
1987-88

Ø 86.00 -1.3	1 - 1.75 HK	Ø 27.000			TL	151.0	150.0	TEIKIN NO.
CD 47.00	1 - 2.0	TL 58.00			OD	89.2	90.0	LKFX 46260
TL 76.95	1 - 3.0				FT	4.8		LKSF 46260
					FD	91.0		LKSX 46260
								LKFX 46260A
								LKSF 46260A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			LKSX 46260A
46260	R 46260	P 46260	B 46260		LFX 46260			
46260A					LSF 46260			
					LSX 46260			
					Surface Treatment			
					None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.			
13101-64090	13011-64170		90999-73101		11461-64090			
	13013-64170		90999-73102					
			90999-73138					

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm
	MP: 12.00 mm

172

2C-II, 2CT LATE — 1974 cc — 4 cyl.

Ø 86.00 -1.3	1 - 2.0 HK	Ø 27.000			TL	151.0	150.0	TEIKIN NO.
CD 47.00	1 - 2.0	TL 58.00			OD	89.2	90.0	LKFX 46264
TL 76.95	1 - 3.0				FT	4.8		LKSF 46264
					FD	91.0		LKSX 46264
								LKFX 46264A
								LKSF 46264A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			LKSX 46264A
46264	R 46278	P 46260	B 46260		LFX 46260			
46264A					LSF 46260			
					LSX 46260			
					Surface Treatment			
					None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.			
13101-64120	13011-64190/1		90999-73101		11461-64090			
13101-64121	13011-64202/10/12/13		90999-73102					
	13013-64190/1		90999-73138					
	13013-64212/3							

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm
	MP: 12.00 mm

173

2C-T — 1974 cc — 4 cyl.

Ø 86.00 -1.3	1 - 2.0 HK	Ø 27.000			TL	151.0	150.0	TEIKIN NO.
CD 47.00	1 - 2.0	TL 58.00			OD	89.2	90.0	LKFX 46278
TL 76.95	1 - 3.0				FT	4.8		LKSF 46278
					FD	91.0		LKSX 46278
								LKFX 46278A
								LKSF 46278A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			LKSX 46278A
46278	R 46278	P 46260	B 46260		LFX 46260			
46278A					LSF 46260			
					LSX 46260			
					Surface Treatment			
					None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.			
13101-64141	13011-64190/1		90999-73101		11461-64090			
13101-64110	13011-64202/10/12/13		90999-73102					
	13013-64190/1		90999-73138					
	13013-64212/3							

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm
	MP: 12.00 mm

174

2C-IV — 4 cyl.

Ø 86.00 -1.8	1 - 2.0 HK	Ø 27.000						
CD 47.00	1 - 2.0	TL 58.00						
TL 77.00	1 - 3.0							
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.						
46374	R 46278	P 46260						
46374A								
REFERENCE NO.	REFERENCE NO.							
13101-64190-02	13011-64190/1							
	13011-64202/10/12/13							
	13013-64190/1							
	13013-64212/3							

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm
Anodized Crown	MP: 12.00 mm
1st Ring Anodized	

175

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

2C-III — 1974 cc — 4 cyl.
1983-85

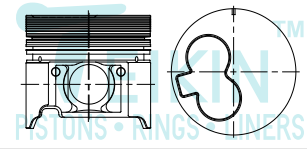
Ø	86.00	-1.4
CD	47.00	
TL	77.00	

1 - 2.0 HK
1 - 2.0
1 - 4.0

Ø 27.000
TL 68.00

TL	151.0	150.0	
OD	89.2	90.0	
FT	4.8		
FD	91.0		

TEIKIN NO. (LINER KIT SET): LKFX 46601, LKSF 46601, LKSX 46601, LKFX 46601A, LKSF 46601A, LKSX 46601A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO. (FLANGED)
46601 46601A (46284)	R 46601	P 39130	B 46112	LFX 46260 LSF 46260 LSX 46260
				Surface Treatment: None
REFERENCE NO. 13101-64030	REFERENCE NO. 13011-64060 13011-64110/50 13013-64060 13013-64110/50		REFERENCE NO. 90999-73091 90999-73101	REFERENCE NO. 11461-64090

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 12.00 mm

176

2CT-II — 1974 cc — 4 cyl.
CAMRY
(CV11/20) 1985-1987

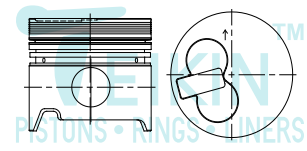
Ø	86.00	-1.3
CD	47.00	
TL	77.00	

1 - 2.0 HK
1 - 2.0
1 - 4.0

Ø 27.000
TL 61.00

TL	151.0	150.0	
OD	89.2	90.0	
FT	4.8		
FD	91.0		

TEIKIN NO. (LINER KIT SET): LKFX 46609, LKSF 46609, LKSX 46609, LKFX 46609A, LKSF 46609A, LKSX 46609A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO. (FLANGED)
46609 46609A (46293)	R 46601	P 46609	B 46260	LFX 46260 LSF 46260 LSX 46260
				Surface Treatment: None
REFERENCE NO. 13101-64070 13103-64070	REFERENCE NO. 13011-64060 13011-64110/50 13013-64060 13013-64110/50		REFERENCE NO. 90999-73101 90999-73102 90999-73138	REFERENCE NO. 11461-64090

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.00 mm

177

1DZ NEW — 2486 cc — 4 cyl.

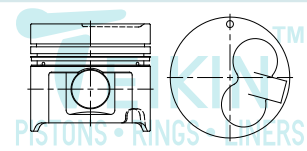
Ø	86.00	-2.2
CD	46.40	
TL	76.30	

1 - 2.0 HK
1 - 2.0
1 - 3.0

Ø 27.000
TL 68.00

TL	180.0	175.0	
OD	90.0	90.0	
FT	5.0		
FD	93.0		

TEIKIN NO. (LINER KIT SET): LKSF 46684, LKSX 46684



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO. (FLANGED)
46684	R 46278	P 39130	B 46654	LSF 46654 LSX 46654
				Surface Treatment: None
REFERENCE NO. 13101-78202-71 13103-78202-71 13105-78202-71	REFERENCE NO. 13011-64190/1 13011-64202/10/12/13 13013-64190/1 13013-64212/3		REFERENCE NO. 90999-73950	REFERENCE NO. 11461-78200-71 11461-78201-71

Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.040 mm MP: 11.00 mm

178

3C — 2184 cc — 4 cyl.

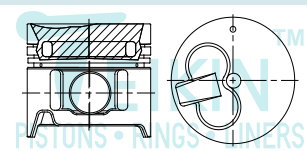
Ø	86.00	-3.2
CD	42.50	
TL	72.50	

1 - 2.0 HK
1 - 2.0
1 - 3.0

Ø 27.000
TL 61.00

TL	151.0	150.0	
OD	89.2	90.0	
FT	4.8		
FD	91.0		

TEIKIN NO. (LINER KIT SET): LKFX 46629A, LKSF 46629A, LKSX 46629A, LKFX 46629G, LKSF 46629G, LKSX 46629G, LKFX 46629AG, LKSF 46629AG, LKSX 46629AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO. (FLANGED)
46629A 46629G 46629AG (46328)	R 46278	P 46629	B 46260	LFX 46260 LSF 46260 LSX 46260
				Surface Treatment: None
REFERENCE NO. 13101-64150 13101-64151 13101-64210	REFERENCE NO. 13011-64190/1 13011-64202/10/12/13 13013-64190/1 13013-64212/3		REFERENCE NO. 90999-73101 90999-73102 90999-73138	REFERENCE NO. 11461-64090

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.50 mm

179

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

1DZ — 2486 cc — 4 cyl.

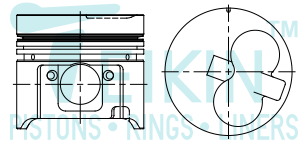
Ø	86.00	-2.3
CD	47.00	
TL	77.00	

	1 - 2.0 HK
	1 - 2.0
	1 - 4.0

Ø	27.000
TL	68.00

TL	180.0	175.0
OD	90.0	90.0
FT	5.0	
FD	93.0	

TEIKIN NO. LKSF 46654A / LKSX 46654A



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46654A	R 46654	P 39130	B 46654	LSF 46654 LSX 46654

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm
Anodized Crown	MP: 10.00 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
13101-78201-71	13011-78201		90999-73950	11461-78200-71
13103-78201-71				11461-78201-71
13105-78201-71				

180

1AD-FTV — 1998 cc — 4 cyl.
AVENSIS
ADT250

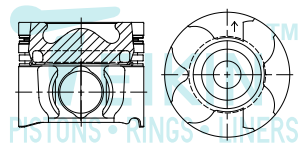
Ø	86.00	-14.1
CD	48.00	
TL	72.00	

	1 - 2.0
	1 - 1.5
	1 - 2.0

Ø	29.000
TL	69.00

TL	160.0	160.0
OD	90.0	90.0
FT	3.0	
FD	94.0	

TEIKIN NO. LKSF 46678AG / LKSX 46678AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46678AG	R 46678	P 46678	B 46678	LSF 46678 LSX 46678

Surface Treatment: None

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.060 mm
	MP: 6.30 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
13101-0R030	13011-26070			
13101-0R032	13011-0R010			
	13011-0R030			

181

2AD-FHV — 2231 cc — 4 cyl.
AVENSIS
IS220D
RAV4
ADT251 - ALA30 - ALF20

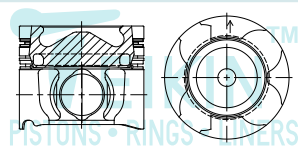
Ø	86.00	-14.5
CD	48.00	
TL	72.00	

	1 - 2.0
	1 - 1.5
	1 - 2.0

Ø	29.000
TL	69.00

TL	160.0	160.0
OD	90.0	90.0
FT	3.0	
FD	94.0	

TEIKIN NO. LKSF 46679AG / LKSX 46679AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46679AG	R 46678	P 46678	B 46678	LSF 46678 LSX 46678

Surface Treatment: None

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.060 mm
	MP: 6.30 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
13101-0R020/1/2	13011-26070			
	13011-0R010			
	13011-0R030			

182

2CT-III — 1974 cc — 4 cyl.
AVENSIS
(CT220)
1998-2000

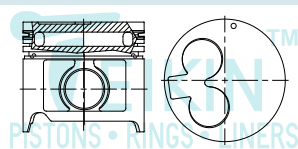
Ø	86.00	-1.4
CD	47.00	
TL	77.00	

	1 - 2.0 HK
	1 - 2.0
	1 - 3.0

Ø	27.000
TL	66.00

TL	151.0	150.0
OD	89.2	90.0
FT	4.8	
FD	91.0	

TEIKIN NO. LKFX 46695AG / LKSF 46695AG / LKSX 46695AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46695AG	R 46278	P 46695	B 46260	LFX 46260 LSF 46260 LSX 46260

Surface Treatment: None

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Anodized Crown	MP: 10.00 mm

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
13101-64181	13011-64190/1		90999-73101	11461-64090
13103-64181	13011-64202/10/12/13		90999-73102	
	13013-64190/1		90999-73138	
	13013-64212/3			

183

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

2AD-FTV — 2231 cc — 4 cyl.

AVENSIS - RAV 4
(ADT251 - ALA30)
2005-

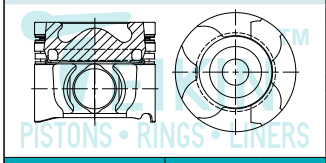
Ø	86.00	-13.9
CD	48.00	
TL	72.00	

1 - 2.0
1 - 1.5
1 - 2.0

Ø	29.000
TL	69.00

TL	160.0	160.0
OD	90.0	90.0
FT	3.0	
FD	94.0	

TEIKIN NO.
LKSF 46696AG
LKSX 46696AG



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46696AG	R 46678	P 46678	B 46678	LSF 46678 LSX 46678

Surface Treatment
None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
13101-0R010 13101-0R012	13011-26070 13011-0R010 13011-0R030			

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.070 mm MP: 7.00 mm

184

1VD-FTV — 4461 cc — 8 cyl.

LAND CRUISER 2007
VDJ200

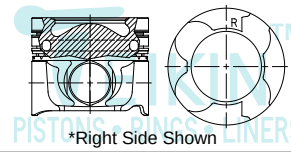
Ø	86.00	-14.0
CD	48.00	
TL	72.00	

1 - 2.0
1 - 1.5
1 - 2.0

Ø	29.000
TL	69.00

TL	160.0	160.0
OD	90.0	90.0
FT	3.0	
FD	94.0	

TEIKIN NO.
LKSF 46691AG
LKSX 46691AG



*Right Side Shown

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46691AG	R 46691	P 46678	B 46691	LSF 46691 LSX 46691

Surface Treatment
None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
13101-0W020 (R/L) 13301-0W010	13011-51031 13011-51040			

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.070 mm MP: 6.00 mm

185

2J — 2481 cc — 4 cyl.

FORKLIFT SDKB
1975
H NEW, 6 Cyl.

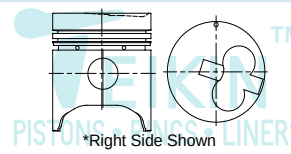
Ø	88.00	-3.0
CD	52.20	
TL	102.20	

1 - 2.5 HK
1 - 2.5
1 - 4.0

Ø	27.000
TL	74.00

TL	183.5	
OD	93.0	
FT	2.5 + 1.0	
FD	98.0	

TEIKIN NO.
LKFF 46226
LKSF 46226
LKFF 46226A
LKSF 46226A



*Right Side Shown

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46226 46226A	R 46226	P 46240	B 46226	LFF 46226 LSF 46226

Surface Treatment
None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
13101-48014/5 (R/L) 13081-48014/5	13011-48022/3/30 13015-48022/3		90999-70048 90999-73069 90999-73083	11461-47011 11461-48010 11461-48011

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 29.40 mm

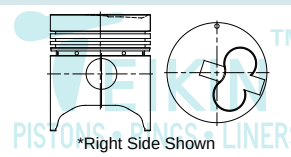
186

2J-III — 4 cyl.

Ø	88.00	-3.0
CD	52.20	
TL	102.20	

1 - 2.5 HK
2 - 2.5
1 - 4.0

Ø	27.000
TL	74.00



*Right Side Shown

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46369	R 46369	P 46240

REFERENCE NO.	REFERENCE NO.
13081-22060-71 (R/L)	13011-48013 13011-48021 13015-48021

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 29.40 mm

187

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

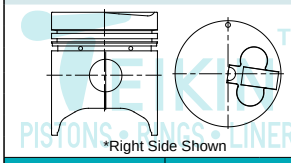
H-II — 3576 cc — 6 cyl.

Ø	88.00	-3.0
CD	52.20	
TL	102.20	

1 - 2.5 HK
1 - 2.5
1 - 4.0

Ø 27.000
TL 74.00

TL	183.5
OD	93.0
FT	2.5 + 1.0
FD	98.0



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 29.20 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46316 (46617)	R 46316	P 46240	B 46316	LFF 46316 LSF 46316

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
13081-47012(R/L) 13081-47013 13101-47012 13101-47013	13011-47022/3 13015-47022/3		90999-70048 90999-73069 90999-73083	11461-47011 11461-48010 11461-48011

TEIKIN NO.: LKFF 46316, LKSF 46316

188

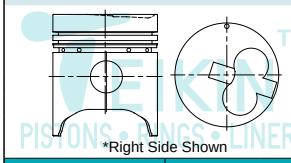
H NEW — 2481 cc — 6 cyl.

Ø	88.00	-3.0
CD	52.20	
TL	102.20	

1 - 2.5 HK
1 - 2.5
1 - 4.0

Ø 27.000
TL 74.00

TL	183.5
OD	93.0
FT	2.5 + 1.0
FD	98.0



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 29.40 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46226-6 46226A-6	R 46226-6	P 46240	B 46226	LFF 46226 LSF 46226

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
13101-48014/5 (R/L) 13081-48014/5	13011-48022/3/30 13015-48022/3		90999-70048 90999-73069 90999-73083	11461-47011 11461-48010 11461-48011

TEIKIN NO.: LKFF 46226-6, LKSF 46226-6, LKFF 46226A-6, LKSF 46226A-6

189

L OLD, LN30 — 2188 cc — 4 cyl.

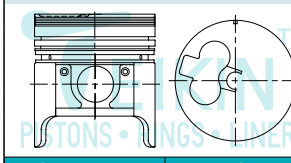
HI-ACE, HILUX
1977

Ø	90.00	-1.5
CD	52.20	
TL	99.15	

1 - 2.5
1 - 2.0
1 - 4.0

Ø 27.000
TL 74.00

TL	160.5
OD	94.0
FT	3.5 + 1.2
FD	101.0



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 26.00 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46234	R 46234	P 46240	B 46226	LFF 46234 LSF 46234

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
13101-54010 13101-54012	13011-54010 13011-54020 13011-54021 13013-54020		90999-70048 90999-73069 90999-73083	11461-54010

TEIKIN NO.: LKFF 46234, LKSF 46234

190

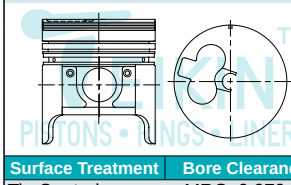
L NEW, LN50 — 2188 cc — 4 cyl.

Ø	90.00	-1.5
CD	52.20	
TL	99.15	

1 - 2.0 HK
1 - 2.0
1 - 4.0

Ø 27.000
TL 74.00

TL	160.5
OD	94.0
FT	3.5 + 1.2
FD	101.0



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 26.00 mm

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46236	R 46236	P 46240	B 46226	LFF 46234 LSF 46234

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.
13101-54040 13101-54031	13011-54030/1 13011-54040/1/2 13011-54080 13013-54040/1		90999-70048 90999-73069 90999-73083	11461-54010

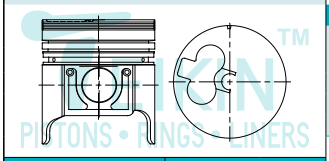
TEIKIN NO.: LKFF 46236, LKSF 46236

191

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

L NEW-II — 2188 cc — 4 cyl.

CROWN DIESEL
1981



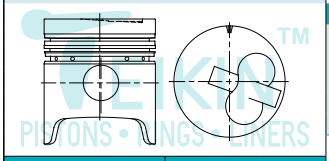
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 25.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 90.00	1 - 2.0 HK	Ø 27.000		TL 160.5			TEIKIN NO.
-1.4	1 - 2.0	TL 74.00		OD 94.0			LKFF 46238
CD 52.20				FT 3.5 + 1.2			LKSF 46238
TL 99.20	1 - 4.0			FD 101.0			
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
46238	R 46236	P 46240	B 46226	LFF 46234 LSF 46234			
				Surface Treatment: None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
13101-54020 13101-54021	13011-54030/1 13011-54040/1/2 13011-54080 13013-54040/1		90999-70048 90999-73069 90999-73083	11461-54010			

192

2H — 3980 cc — 6 cyl.

1982

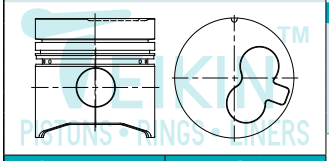


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 28.75 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 91.00	1 - 2.5 HK	Ø 29.000		TL 183.5			TEIKIN NO.
-3.0	1 - 2.5	TL 75.00		OD 95.0			LKFF 46231
CD 52.20				FT 2.5 + 1.0			LKSF 46231
TL 102.20	1 - 4.0			FD 101.0			LKFF 46231A
							LKSF 46231A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
46231 46231A	R 46231	P 43171	B 46231	LFF 46231 LSF 46231			
				Surface Treatment: None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
13101-68010 13081-68010	13011-68010 13011-68020 13011-96601 13013-68020		90999-73087	11461-68010			

193

2H LATE — 3980 cc — 6 cyl.

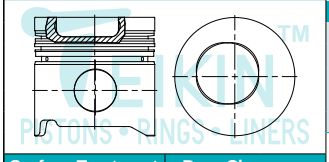


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 25.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 91.00	1 - 2.5 HK	Ø 29.000		TL 183.5			TEIKIN NO.
-1.6	1 - 2.5	TL 74.00		OD 95.0			LKFF 46611
CD 52.20				FT 2.5 + 1.0			LKSF 46611
TL 90.10	1 - 4.0			FD 101.0			LKFF 46611A
							LKSF 46611A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
46611 46611A (46302)	R 46231	P 46256	B 46231	LFF 46231 LSF 46231			
				Surface Treatment: None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
13101-68011	13011-68010 13011-68020 13011-96601 13013-68020		90999-73087	11461-68010			

194

12H-T — 3980 cc — 6 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 91.00	1 - 2.5 HK	Ø 32.000		TL 183.5			TEIKIN NO.
-15.2	1 - 2.5	TL 76.00		OD 95.0			LKFF 46624
CD 56.30				FT 2.5 + 1.0			LKSF 46624
TL 91.30	1 - 4.0			FD 101.0			LKFF 46624A
							LKSF 46624A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
46624 46624A (46291)	R 46624	P 46613	B 46624	LFF 46231 LSF 46231			
				Surface Treatment: None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
13101-68020	13011-68030 13013-68030		90999-73108	11461-68010			

195

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

2L — 2466 cc — 4 cyl.

Ø	92.00	-1.5
CD	49.20	
TL	86.15	

1 - 2.0 HK
1 - 2.0
1 - 4.0

Ø	27.000
TL	74.00

TL	160.5	160.5
OD	96.0	96.0
FT	3.5 + 1.0	
FD	100.7	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46240 46240A	R 46240	P 46240	B 46226	LFF 46240 LSF 46240 LSX 46240
				Surface Treatment: None
REFERENCE NO. 13101-54060	REFERENCE NO. 13011-54040/60/61/62 13011-54090/100 13013-54060/1/2/100 13014-54100		REFERENCE NO. 90999-70048 90999-73069 90999-73083	REFERENCE NO. 11461-54030 11461-54060

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 17.00 mm

TEIKIN NO.: LKFF 46240, LKSF 46240, LKSX 46240, LKFF 46240A, LKSF 46240A, LKSX 46240A

196

2L-II, 2L LATE — 2466 cc — 4 cyl.

Ø	92.00	-2.4
CD	44.30	
TL	80.30	

1 - 2.0 HK
1 - 2.0
1 - 4.0

Ø	27.000
TL	70.00

TL	160.5	160.5
OD	96.0	96.0
FT	3.5 + 1.0	
FD	100.7	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46261 46261A	R 46240	P 46261	B 46261	LFF 46240 LSF 46240 LSX 46240
				Surface Treatment: None
REFERENCE NO. 13101-54070	REFERENCE NO. 13011-54040/60/61/62 13011-54090/100 13013-54060/1/2/100 13014-54100		REFERENCE NO. 90999-73114	REFERENCE NO. 11461-54030 11461-54060

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 16.00 mm

TEIKIN NO.: LKFF 46261, LKSF 46261, LKSX 46261, LKFF 46261A, LKSF 46261A, LKSX 46261A

197

2LT LATE — 2466 cc — 4 cyl.

Ø	92.00	-2.6
CD	44.30	
TL	80.30	

1 - 2.0 HK
1 - 2.0
1 - 4.0

Ø	29.000
TL	74.00

TL	160.5	160.5
OD	96.0	96.0
FT	3.5 + 1.0	
FD	100.7	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46600 46600A 46600G 46600AG (46298)	R 46240	P 46256	B 46256	LFF 46240 LSF 46240 LSX 46240
				Surface Treatment: None
REFERENCE NO. 13101-54090 13101-54091 13101-54111	REFERENCE NO. 13011-54040/60/61/62 13011-54090/100 13013-54060/1/2/100 13014-54100		REFERENCE NO. 90999-73115	REFERENCE NO. 11461-54030 11461-54060

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 16.00 mm

TEIKIN NO.: LKFF 46600, LKSF 46600, LKSX 46600, LKFF 46600A, LKSF 46600A, LKSX 46600A, LKFF 46600G, LKSF 46600G, LKSX 46600G, LKFF 46600AG, LKSF 46600AG, LKSX 46600AG

198

2L-T, 2L-THE, 2L-TE — 2466 cc — 4 cyl.

Ø	92.00	-3.7
CD	49.20	
TL	86.20	

1 - 2.0 HK
1 - 2.0
1 - 4.0

Ø	29.000
TL	74.00

TL	160.5	160.5
OD	96.0	96.0
FT	3.5 + 1.0	
FD	100.7	

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46602 46602A (46285)	R 46240	P 46256	B 46602	LFF 46240 LSF 46240 LSX 46240
				Surface Treatment: None
REFERENCE NO. 13101-54080 13101-54050 13101-54030 13013-54030	REFERENCE NO. 13011-54040/60/61/62 13011-54090/100 13013-54060/1/2/100 13014-54100		REFERENCE NO. 90999-73094 90999-73118	REFERENCE NO. 11461-54030 11461-54060

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 18.00 mm

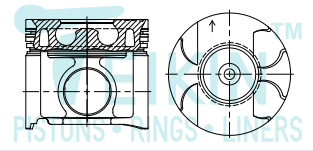
TEIKIN NO.: LKFF 46602, LKSF 46602, LKSX 46602, LKFF 46602A, LKSF 46602A, LKSX 46602A

199

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

2KD - FTV — 2494 cc — 4 cyl.

FORTUNER
HILUX
HIACE

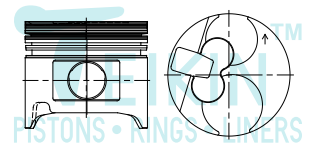


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 6.00 mm

	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
	Ø 92.00	1 - 2.0	Ø 34.000		TL	170.0	165.0	TEIKIN NO.
	-19.5	1 - 1.5	TL 65.00		OD	96.0	96.0	LKFF 46348A
CD	54.20				FT	4.5		LKSF 46348A
TL	82.20	1 - 3.0			FD	101.0		LKSX 46348A
								LKFF 46348AG
								LKSF 46348AG
	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		LKSX 46348AG
	46348A 46348AG	R 46348	P 46348	B 46348		LFF 46348 LSF 46348 LSX 46348		
						Surface Treatment		
						None		
	REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.		
	13101-0L020-01 13101-0L022 13101-30030 13101-30031	13011-30030/1 13011-0L020/40 13011-30060/80 13013-30030/1		90999-73145		11461-30031		

200

2LT NEW-II — 2466 cc — 4 cyl.

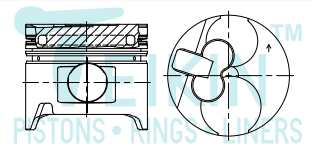


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 16.00 mm

	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
	Ø 92.00	1 - 2.0 HK	Ø 27.000		TL	160.5	160.5	TEIKIN NO.
	-3.0	1 - 2.0	TL 70.00		OD	96.0	96.0	LKFF 46351A
CD	44.30				FT	3.5 + 1.0		LKSF 46351A
TL	80.30	1 - 4.0			FD	100.7		LKSX 46351A
	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
	46351A	R 46240	P 46261	B 46261		LFF 46240 LSF 46240 LSX 46240		
						Surface Treatment		
						None		
	REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.		
	13101-54130-02	13011-54040/60/61/62 13011-54090/100 13013-54060/1/2/100 13014-54100		90999-73114		11461-54030 11461-54060		

201

2LT NEW — 2466 cc — 4 cyl.



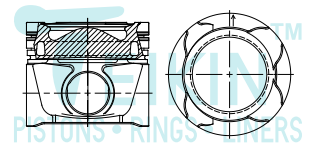
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 16.00 mm

	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
	Ø 92.00	1 - 2.0 HK	Ø 29.000		TL	160.5	160.5	TEIKIN NO.
	-2.5	1 - 2.0	TL 74.00		OD	96.0	96.0	LKFF 46389AG
CD	44.30				FT	3.5 + 1.0		LKSF 46389AG
TL	80.30	1 - 4.0			FD	100.7		LKSX 46389AG
	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
	46389AG	R 46240	P 46256	B 46256		LFF 46240 LSF 46240 LSX 46240		
						Surface Treatment		
						None		
	REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.		
	13101-54140-01 13101-54141	13011-54040/60/61/62 13011-54090/100 13013-54060/1/2/100 13014-54100		90999-73115		11461-54030 11461-54060		

202

2GD FTV — 2393 cc — 4 cyl.

NEW INNOVA DIESEL
2016
HILUX



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 5.00 mm

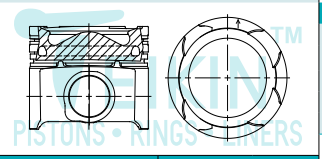
	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
	Ø 92.00	1 - 2.0 HK	Ø 31.000		TL	170.0	165.0	TEIKIN NO.
	-13.5	1 - 1.5	TL 68.00		OD	96.0	96.0	LKFF 46392AG
CD	53.20				FT	4.5		LKSF 46392AG
TL	78.20	1 - 3.0			FD	101.0		LKSX 46392AG
	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			TEIKIN NO.		
	46392AG	R 46392	P 46680			LFF 46348 LSF 46348 LSX 46348		
						Surface Treatment		
						None		
	REFERENCE NO.	REFERENCE NO.				REFERENCE NO.		
	13101-0E010-01 13101-0E010-02 13101-11180	13011-0E010 13011-0E020 13011-0L070 13011-11200				11461-30031		

203

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

1GD-FTV — 2754 cc — 4 cyl.

NEW FORTUNER DIESEL
2016
LAND CRUISER PRADO

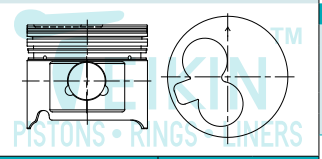


Surface Treatment	Bore Clearance
Chromated	MRC: 0.030 mm
Moly Skirt	MP: 7.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 92.00	1 - 2.0 HK	Ø 31.000		TL 178.0	178.0	TEIKIN NO.
-14.4	1 - 1.5	TL 68.00		OD 96.0	96.0	LKSF 46393AG
CD 53.20				FT 4.5		LKSX 46393AG
TL 78.20	1 - 3.0			FD 96.0		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
46393AG	R 46392	P 46680		LSF 46393		
				LSX 46393		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.		
13101-0E020-02	13011-0E010					
13101-11190	13011-0E020					
	13011-0L070					
	13011-11200					

204

1HZ, 1PZ — 4163 cc — 6 cyl.

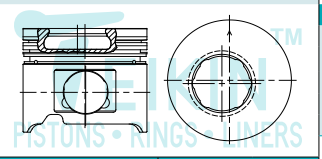


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm
	MP: 9.80 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 94.00	1 - 2.0 HK	Ø 29.000		TL 168.0	168.0	TEIKIN NO.
-1.4	1 - 2.0	TL 65.00		OD 98.0	98.0	LKFF 46257
CD 43.60				FT 2.5		LKFX 46257
TL 80.60	1 - 4.0			FD 103.0		LKSF 46257
						LKSX 46257
						LKFF 46257A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		LKFX 46257A
46257	R 46257	P 46257	B 46257	LFF 46257		LKSF 46257A
46257A				LFX 46257		LKSX 46257A
				LSF 46257		
				LSX 46257		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
13101-17010	13011-17010/1/20/30		90999-73126	11461-17010		
13101-17100	13013-17010/1/20/30					

205

1HD-T LATE — 4163 cc — 6 cyl.

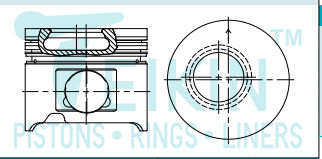


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 10.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 94.00	1 - 2.0 HK	Ø 33.010		TL 168.0	168.0	TEIKIN NO.
-16.2	1 - 2.0	TL 73.00		OD 98.0	98.0	LKFF 46268
CD 49.70				FT 2.5		LKFX 46268
TL 80.70	1 - 4.0			FD 103.0		LKSF 46268
						LKSX 46268
						LKFF 46268A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		LKFX 46268A
46268	R 46257	P 46268	B 46268	LFF 46257		LKSF 46268A
46268A				LFX 46257		LKSX 46268A
				LSF 46257		
				LSX 46257		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
13101-17040	13011-17010/1/20/30		90999-73127	11461-17010		
	13013-17010/1/20/30		90999-73137			

206

1HD-T-II — 4163 cc — 6 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
	MP: 10.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 94.00	1 - 2.0 HK	Ø 33.010		TL 168.0	168.0	TEIKIN NO.
-17.1	1 - 2.0	TL 73.00		OD 98.0	98.0	LKFF 46325
CD 49.80				FT 2.5		LKFX 46325
TL 80.80	1 - 4.0			FD 103.0		LKSF 46325
						LKSX 46325
						LKFF 46325A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		LKFX 46325A
46325	R 46257	P 46268	B 46268	LFF 46257		LKSF 46325A
46325A				LFX 46257		LKSX 46325A
				LSF 46257		
				LSX 46257		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.		
13101-17020	13011-17010/1/20/30		90999-73127	11461-17010		
13101-17060	13013-17010/1/20/30		90999-73137			

207

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET

1HD-FT — 4163 cc — 6 cyl.

Ø 94.00	1 - 2.0 HK	Ø 33.010			TL	168.0	168.0	TEIKIN NO.
-18.5	1 - 2.0	TL 73.00			OD	98.0	98.0	LKFF 46362AG
CD 49.40					FT	2.5		LKFX 46362AG
TL 80.40	1 - 4.0				FD	103.0		LKSF 46362AG
								LKSX 46362AG
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
46362AG	R 46257	P 46268	B 46268		LFF 46257 LFX 46257 LSF 46257 LSX 46257			
					Surface Treatment			
					None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.			
13101-17091-01 13101-17090 13101-17080	13011-17010/1/20/30 13013-17010/1/20/30		90999-73127 90999-73137		11461-17010			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 11.00 mm

208

1HD-FTE — 4164 cc — 6 cyl.

Ø 94.00	1 - 2.0	Ø 33.000			TL	168.0	168.0	TEIKIN NO.
-18.2	1 - 1.5	TL 73.00			OD	98.0	98.0	LKFF 46674AG
CD 49.40					FT	2.5		LKFX 46674AG
TL 80.40	1 - 4.0				FD	103.0		LKSF 46674AG
								LKSX 46674AG
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
46674AG	R 46674	P 46674	B 46268		LFF 46257 LFX 46257 LSF 46257 LSX 46257			
					Surface Treatment			
					None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.			
13101-17110 13103-17110	13011-17040 13013-17040 13014-17040		90999-73127 90999-73137		11461-17010			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 10.00 mm

209

B, BU-15 — 2977 cc — 4 cyl.

B OLD
DYNA
1972

Ø 95.00	3 - 2.5	Ø 29.000			TL	190.0		TEIKIN NO.
-2.4		TL 79.00			OD	100.0		LKFF 46123
CD 52.15					FT	2.5 + 1.2		LKSF 46123
TL 101.15	1 - 4.5				FD	107.6		
TEIKIN NO.		TEIKIN NO.			TEIKIN NO.			
46123		P 46123			LFF 46308 LSF 46308			
					Surface Treatment			
					None			
REFERENCE NO.					REFERENCE NO.			
13081-56010					11461-56010			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 23.60 mm

210

B, BU-30 — 2977 cc — 4 cyl.

B NEW

Ø 95.00	1 - 2.5 HK	Ø 29.000			TL	190.0		TEIKIN NO.
-3.6	1 - 2.5	TL 79.00			OD	102.0		LKFF 46124
CD 52.20					FT	2.5 + 1.0		LKSF 46124
TL 101.20	1 - 4.5				FD	107.6		LKFF 46124A
								LKSF 46124A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.			
46124 46124A	R 46124	P 46123	B 46124		LFF 46124 LSF 46124			
					Surface Treatment			
					None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.		REFERENCE NO.			
13101-56020 13101-56021 13101-56030 13101-56031 13101-56013	13011-56012/3 13011-56021/2/30 13015-56012/3		90999-73065 90999-73121 90999-73131		11461-56020			

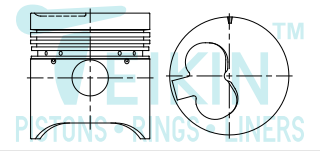
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 23.50 mm

211

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

BU 15-II — 3000 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 95.00 -2.4 CD 52.15 TL 101.15	1 - 2.5 HK 2 - 2.5 1 - 4.5	Ø 29.000 TL 79.00				
TEIKIN NO. **46265**		TEIKIN NO. **P 46123**				
REFERENCE NO. 13101-56032						

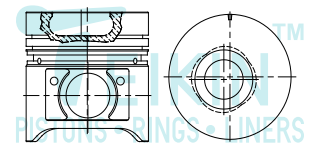


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 23.60 mm

212

11B — 2977 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 95.00 -18.0 CD 63.40 TL 98.40	2 - 2.5 1 - 4.5	Ø 34.000 TL 76.00		TL 190.0 OD 99.0 FT 2.5 + 1.0 FD 104.6	192.0 99.0	TEIKIN NO. **LKFF 46287** **LKSF 46287** **LKSX 46287** **LKFF 46287A** **LKSF 46287A** **LKSX 46287A**
TEIKIN NO. **46287** **46287A**	TEIKIN NO. **R 46124**	TEIKIN NO. **P 46287**	TEIKIN NO. **B 46130**	TEIKIN NO. **LFF 46287** **LSF 46287** **LSX 46287** Surface Treatment None		
REFERENCE NO. 13101-56042 13101-56041	REFERENCE NO. 13011-56012/3 13011-56021/2/30 13015-56012/3		REFERENCE NO. 90999-73099	REFERENCE NO. 11461-56030 11462-56060		

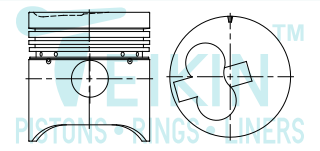


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 13.00 mm

213

BU-30-II — 2977 cc — 4 cyl.
B NEW-II

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 95.00 -3.7 CD 52.30 TL 101.30	1 - 2.5 HK 2 - 2.5 1 - 4.5	Ø 29.000 TL 79.00		TL 190.0 OD 100.0 FT 2.5 + 1.2 FD 107.6		TEIKIN NO. **LKFF 46308** **LKSF 46308**
TEIKIN NO. **46308**	TEIKIN NO. **R 46308**	TEIKIN NO. **P 46123**	TEIKIN NO. **B 46124**	TEIKIN NO. **LFF 46308** **LSF 46308** Surface Treatment None		
REFERENCE NO. 13081-56011	REFERENCE NO. 13011-56011 1305-56011		REFERENCE NO. 90999-73065 90999-73121 90999-73131	REFERENCE NO. 11461-56010		

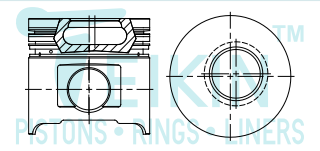


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 23.50 mm

214

11B-II — 2977 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET
Ø 95.00 -20.3 CD 55.30 TL 90.30	1 - 2.5 HK 1 - 2.0 1 - 4.0	Ø 32.000 TL 72.00		TL 190.0 OD 99.0 FT 2.5 + 1.0 FD 104.6	192.0 99.0	TEIKIN NO. **LKFF 46608** **LKSF 46608** **LKSX 46608** **LKFF 46608A** **LKSF 46608A** **LKSX 46608A**
TEIKIN NO. **46608** **46608A** **(46295)**	TEIKIN NO. **R 46608**	TEIKIN NO. **P 46254**	TEIKIN NO. **B 46254**	TEIKIN NO. **LFF 46287** **LSF 46287** **LSX 46287** Surface Treatment None		
REFERENCE NO. 13101-56060	REFERENCE NO. 13011-56040/1 13013-56040 13014-56040 13015-56040		REFERENCE NO. 90999-73116 90999-73124	REFERENCE NO. 11461-56030 11462-56060		

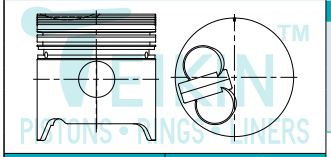


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 14.00 mm

215

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

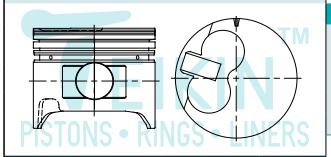
B LATE — 2977 cc — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 24.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 95.00 -4.4 CD 52.20 TL 101.20	1 - 2.5 HK 1 - 2.0 1 - 4.0	Ø 29.000 TL 74.00		TL 190.0 OD 102.0 FT 2.5 + 1.0 FD 107.6			TEIKIN NO. LKFF 46626 LKSF 46626 LKFF 46626A LKSF 46626A
TEIKIN NO. 46626 46626A (46304)	TEIKIN NO. R 46608	TEIKIN NO. P 46256	TEIKIN NO. B 46124	TEIKIN NO. LFF 46124 LSF 46124 Surface Treatment None			
REFERENCE NO. 13101-56050	REFERENCE NO. 13011-56040/1 13013-56040 13014-56040 13015-56040		REFERENCE NO. 90999-73065 90999-73121 90999-73131	REFERENCE NO. 11461-56020			216

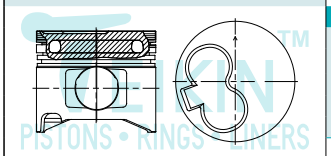
3L — 2779 cc — 1988 — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 18.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 96.00 -2.3 CD 42.40 TL 80.35	1 - 2.0 HK 1 - 2.0 1 - 4.0	Ø 29.000 TL 74.00		TL 190.0 OD 100.0 FT 2.5 + 1.0 FD 107.65	190.0 100.0		TEIKIN NO. LKFF 46256 LKSF 46256 LKSX 46256 LKFF 46256A LKSF 46256A LKSX 46256A
TEIKIN NO. 46256 46256A	TEIKIN NO. R 46256	TEIKIN NO. P 46256	TEIKIN NO. B 46256	TEIKIN NO. LFF 46256 LSF 46256 LSX 46256 Surface Treatment None			
REFERENCE NO. 13101-54101 13101-54100	REFERENCE NO. 13011-54120 13013-54120		REFERENCE NO. 90999-73115	REFERENCE NO. 11461-54090 11461-54100			217

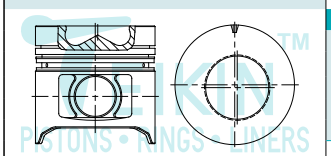
1KZ-TE, 1KZ — 2982 cc — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.030 mm MP: 14.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 96.00 -2.2 CD 45.70 TL 80.70	1 - 2.0 HK 1 - 2.0 1 - 3.0	Ø 34.000 TL 73.00		TL 170.0 OD 99.0 FT 5.0 FD 105.0			TEIKIN NO. LKFF 46283 LKSF 46283 LKFF 46283A LKSF 46283A LKFF 46283G LKSF 46283G LKFF 46283AG LKSF 46283AG
TEIKIN NO. 46283 46283A 46283G 46283AG	TEIKIN NO. R 46283	TEIKIN NO. P 46283	TEIKIN NO. B 46283	TEIKIN NO. LFF 46283 LSF 46283 Surface Treatment None			
REFERENCE NO. 13101-67030	REFERENCE NO. 13011-67030 13013-67030 13014-67030 13015-67030		REFERENCE NO. 90999-73136 90999-73143	REFERENCE NO.			218

1Z — 2953 cc — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 16.00 mm

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 96.00 -15.7 CD 56.50 TL 94.40	2 - 2.0 1 - 4.0	Ø 32.000 TL 76.00		TL 182.5 OD 100.0 FT 8.0 FD 105.8			TEIKIN NO. LKFF 46613 LKSF 46613 LKFF 46613A LKSF 46613A
TEIKIN NO. 46613 46613A (46306)	TEIKIN NO. R 46613	TEIKIN NO. P 46613	TEIKIN NO. B 46613	TEIKIN NO. LFF 46613 LSF 46613 Surface Treatment None			
REFERENCE NO. 13101-78300 13101-96300	REFERENCE NO. 13011-78300		REFERENCE NO. 90384-32950 90384-32951	REFERENCE NO. 11461-78360-71 11461-78300-71 11461-78301-71			219

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

1KZ-TE NEW — 2982 cc — 4 cyl.

Ø	96.00	1 - 2.0 HK	Ø	34.000		TL	170.0		TEIKIN NO.
	-2.6	1 - 2.0	TL	73.00		OD	99.0		LKFF 46671AG
CD	45.80					FT	5.0		LKSF 46671AG
TL	80.70	1 - 3.0				FD	105.0		
TEIKIN NO.	46671AG	TEIKIN NO. R 46283	TEIKIN NO. P 46283	TEIKIN NO. B 46283		TEIKIN NO. LFF 46283 LSF 46283			
						Surface Treatment: None			
REFERENCE NO.	13101-67050	REFERENCE NO. 13011-67030, 13013-67030, 13014-67030, 13015-67030		REFERENCE NO. 90999-73136, 90999-73143		REFERENCE NO.			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm
Anodized Crown	MP: 14.00 mm

220

1KD-FTV — 2982 cc — 4 cyl.

Ø	96.00	1 - 2.0 HK	Ø	34.000		TL	170.0	170.0	TEIKIN NO.
	-17.7	1 - 1.5	TL	73.00		OD	99.0	99.0	LKFF 46675AG
CD	49.70					FT	5.0		LKSF 46675AG
TL	77.70	1 - 3.0				FD	105.0		LKSX 46675AG
TEIKIN NO.	46675AG	TEIKIN NO. R 46675	TEIKIN NO. P 46283	TEIKIN NO. B 46675		TEIKIN NO. LFF 46675 LSF 46675 LSX 46675			
						Surface Treatment: None			
REFERENCE NO.	13101-30020, 13103-30020, 13104-30020, 13105-30020	REFERENCE NO. 13011-30020/1/2, 13011-30040/50/51, 13013-30020/1/2, 13013-30051		REFERENCE NO. 90999-73143		REFERENCE NO.			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm
Anodized Crown	MP: 5.00 mm

221

1KD-FTV-II — 2982 cc — 4 cyl.
LAND CRUISER 2004-2006

Ø	96.00	1 - 2.0 HK	Ø	34.000		TL	170.0	170.0	TEIKIN NO.
	-16.1	1 - 1.5	TL	73.00		OD	99.0	99.0	LKFF 46686AG
CD	49.70					FT	5.0		LKSF 46686AG
TL	78.50	1 - 3.0				FD	105.0		LKSX 46686AG
TEIKIN NO.	46686AG	TEIKIN NO. R 46675	TEIKIN NO. P 46283	TEIKIN NO. B 46675		TEIKIN NO. LFF 46675 LSF 46675 LSX 46675			
						Surface Treatment: None			
REFERENCE NO.	13101-30060, 13103-30060, 13104-30060, 13105-30060	REFERENCE NO. 13011-30020/1/2, 13011-30040/50/51, 13013-30020/1/2, 13013-30051		REFERENCE NO. 90999-73143		REFERENCE NO.			

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.050 mm
	MP: 7.50 mm

222

1KD-FTV-III — 2982 cc — 4 cyl.
HILUX - LAND CRUISER PRADO (KDJ12/15 - KUN26) 2009-

Ø	96.00	1 - 2.0 HK	Ø	34.000		TL	170.0	170.0	TEIKIN NO.
	-16.3	1 - 1.5	TL	73.00		OD	99.0	99.0	LKFF 46698AG
CD	49.60					FT	5.0		LKSF 46698AG
TL	78.50	1 - 3.0				FD	105.0		LKSX 46698AG
TEIKIN NO.	46698AG	TEIKIN NO. R 46675	TEIKIN NO. P 46283	TEIKIN NO. B 46675		TEIKIN NO. LFF 46675 LSF 46675 LSX 46675			
						Surface Treatment: None			
REFERENCE NO.	13101-30150, 13103-30150, 13104-30150, 13105-30150, 13213-0W110	REFERENCE NO. 13011-30020/1/2, 13011-30040/50/51, 13013-30020/1/2, 13013-30051		REFERENCE NO. 90999-73143		REFERENCE NO.			

Surface Treatment	Bore Clearance
Chromated	MRC: 0.03 mm
Moly Skirt	MP: 7.50 mm

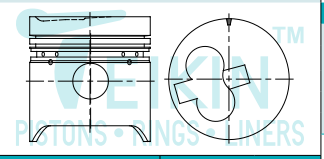
223

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

2B — 3168 cc — 4 cyl.

1977

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 98.00	1 - 2.5 HK	Ø 29.000		TL 190.0			TEIKIN NO.
-3.5	1 - 2.5	TL 79.00		OD 102.0			LKFF 46127
CD 52.20				FT 2.5 + 1.0			LKSF 46127
TL 101.10	1 - 4.5			FD 107.6			
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
46127	R 46127	P 46123	B 46124	LFF 46127			
				LSF 46127			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
13101-57011	13011-57010		90999-73065	11461-57010			
13101-57020			90999-73121				
13101-57022			90999-73131				

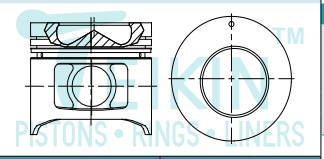


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 23.50 mm

224

2Z NEW — 3469 cc — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 98.00	2 - 2.0	Ø 32.000		TL 181.5			TEIKIN NO.
-17.2		TL 77.00		OD 101.0			LKFF 46682
CD 49.90				FT 5.0			LKSF 46682
TL 87.90	1 - 4.0			FD 107.0			
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
46682	R 46682	P 46682	B 46613	LFF 46682			
				LSF 46682			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
13101-78702	13011-78700		90384-32950	11461-78400			
	13011-78701		90384-32951	11461-78700			
	13011-78760						

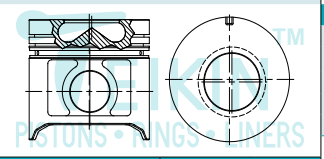


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.040 mm MP: 16.00 mm

225

13Z — 5244 cc — 6 cyl.

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 98.00	2 - 2.0	Ø 32.000		TL 181.5			TEIKIN NO.
-17.7		TL 77.00		OD 101.0			LKFF 46685
CD 56.50				FT 5.0			LKSF 46685
TL 94.40	1 - 4.0			FD 107.0			
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
46685	R 46685	P 46682	B 46685	LFF 46685			
				LSF 46685			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
13101-78761	13011-78700		90384-32950	11461-78700			
	13011-78701		90384-32951				
	13011-78760						



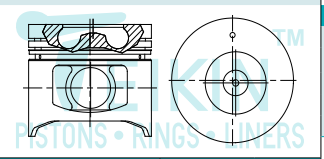
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 16.00 mm

226

14Z — 5204 cc — 6 cyl.

(5FD50/60/70 ~ 7FD35/40/45)
2003-

PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 98.00	2 - 2.0	Ø 32.000		TL 181.5			TEIKIN NO.
-19.0		TL 77.00		OD 101.0			LKFF 46699
CD 50.00				FT 5.0			LKSF 46699
TL 88.00	1 - 4.0			FD 107.0			
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
46699	R 46685	P 46682	B 46685	LFF 46685			
				LSF 46685			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
13101-78781-71	13011-78700		90384-32950	11461-78700			
13103-78781-71	13011-78701		90384-32951				
13105-78781-71	13011-78760						



Surface Treatment	Bore Clearance
Tin Coated Anodized Crown	MRC: 0.070 mm MP: 17.00 mm

227

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

5L — 2986 cc — 4 cyl. — 1997

Ø	99.50	-2.4
CD	42.30	
TL	80.30	

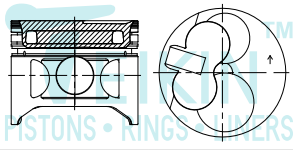
RINGS
1 - 2.0 HK
1 - 1.5
1 - 4.0

Ø	29.000
TL	74.00

TL	155.0	155.0
OD	103.5	103.5
FT	4.0	
FD	106.5	

TEIKIN NO.
LKFX 46273
LKSF 46273
LKSX 46273
LKFX 46273A
LKSF 46273A
LKSX 46273A
LKFX 46273G
LKSF 46273G
LKSX 46273G
LKFX 46273AG
LKSF 46273AG
LKSX 46273AG

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46273 46273A 46273G 46273AG	R 46273	P 46256	B 46256	LFX 46273 LSF 46273 LSX 46273
				Surface Treatment: None
REFERENCE NO. 13101-54120	REFERENCE NO. 13011-54130 13013-54130		REFERENCE NO. 90999-73115	REFERENCE NO. 11461-54120



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.00 mm

228

3B — 3431 cc — 4 cyl. — 1981

Ø	102.00	-5.0
CD	52.20	
TL	101.20	

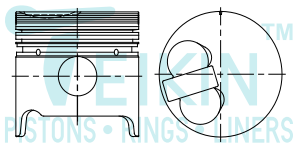
RINGS
1 - 2.5 HK
1 - 2.5
1 - 4.5

Ø	32.000
TL	83.40

TL	187.5	197.0
OD	106.0	106.0
FT	2.5 + 1.0	
FD	111.7	

TEIKIN NO.
LKFF 46128
LKSF 46128
LKSX 46128
LKFF 46128A
LKSF 46128A
LKSX 46128A

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46128 46128A	R 46128	P 46128	B 46128	LFF 46128 LSF 46128 LSX 46128
				Surface Treatment: None
REFERENCE NO. 13101-58011 13101-58012	REFERENCE NO. 13011-58010/1		REFERENCE NO. 90999-73088 90999-73132	REFERENCE NO. 11461-58010 11461-58020 11461-58040



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 25.00 mm

229

13B — 3431 cc — 4 cyl.

Ø	102.00	-22.0
CD	63.40	
TL	104.40	

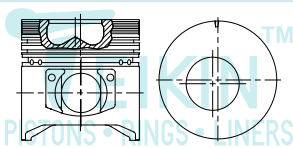
RINGS
2 - 2.5
1 - 4.5

Ø	34.000
TL	83.50

TL	187.5	197.0
OD	106.0	106.0
FT	2.5 + 1.0	
FD	111.7	

TEIKIN NO.
LKFF 46130
LKSF 46130
LKSX 46130
LKFF 46130A
LKSF 46130A
LKSX 46130A

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46130 46130A	R 46130	P 39138	B 46130	LFF 46128 LSF 46128 LSX 46128
				Surface Treatment: None
REFERENCE NO. 13101-58020 13101-58021	REFERENCE NO. 13011-58030		REFERENCE NO. 90999-73099	REFERENCE NO. 11461-58010 11461-58020 11461-58040



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 17.00 mm

230

14B — 3660 cc — 4 cyl.

Ø	102.00	-18.7
CD	51.90	
TL	86.95	

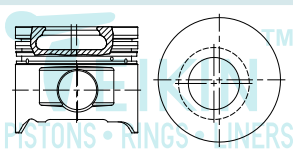
RINGS
1 - 2.5 HK
1 - 2.0
1 - 4.0

Ø	32.000
TL	72.00

TL	187.5	197.0
OD	106.0	106.0
FT	2.5 + 1.0	
FD	111.7	

TEIKIN NO.
LKFF 46254
LKSF 46254
LKSX 46254
LKFF 46254A
LKSF 46254A
LKSX 46254A

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46254 46254A	R 46254	P 46254	B 46254	LFF 46128 LSF 46128 LSX 46128
				Surface Treatment: None
REFERENCE NO. 13101-58040	REFERENCE NO. 13011-58050/1/70 13013-58050/70 13014-58050/70 13015-58050/70		REFERENCE NO. 90999-73116 90999-73124	REFERENCE NO. 11461-58010 11461-58020 11461-58040

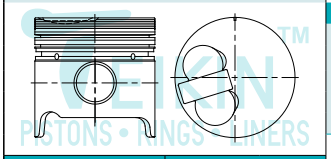


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 14.00 mm

231

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

3B-II — 3431 cc — 4 cyl.

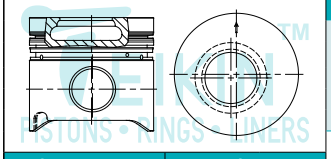


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 22.50 mm

Ø 102.00	1 - 2.5 HK	Ø 32.000		TL	187.5	197.0	TEIKIN NO.
-5.1	1 - 2.0	TL 72.00		OD	106.0	106.0	LKFF 46622
CD 55.20				FT	2.5 + 1.0		LKSF 46622
TL 101.20	1 - 4.0			FD	111.7		LKSX 46622
							LKFF 46622A
							LKSF 46622A
							LKSX 46622A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
46622	R 46254	P 46254	B 46254	LFF 46128			
46622A				LSF 46128			
(46327)				LSX 46128			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
13101-58050	13011-58050/1/70		90999-73116	11461-58010			
	13013-58050/70		90999-73124	11461-58020			
	13014-58050/70			11461-58040			
	13015-58050/70						

232

14B-T — 3660 cc — 4 cyl.

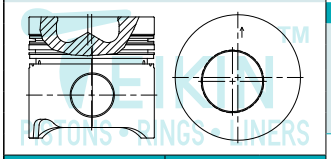


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 12.00 mm

Ø 102.00	1 - 3.0 HK	Ø 34.000		TL	187.5	197.0	TEIKIN NO.
-19.1	1 - 2.0	TL 78.00		OD	106.0	106.0	LKFF 46625
CD 59.80				FT	2.5 + 1.0		LKSF 46625
TL 94.80	1 - 4.0			FD	111.7		LKSX 46625
							LKFF 46625A
							LKSF 46625A
							LKSX 46625A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
46625	R 46625	P 46625	B 46625	LFF 46128			
46625A				LSF 46128			
(46292)				LSX 46128			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
13101-58060	13011-58060		90999-73100	11461-58010			
				11461-58020			
				11461-58040			

233

13B-T — 3431 cc — 4 cyl.

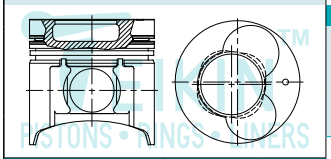


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.150 mm MP: 15.00 mm

Ø 102.00	1 - 2.5 HK	Ø 34.000		TL	187.5	197.0	TEIKIN NO.
-20.7	1 - 2.5	TL 79.00		OD	106.0	106.0	LKFF 46668A
CD 63.50				FT	2.5 + 1.0		LKSF 46668A
TL 98.40	1 - 4.5			FD	111.7		LKSX 46668A
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
46668A	R 46668	P 46668	B 46625	LFF 46128			
				LSF 46128			
				LSX 46128			
				Surface Treatment			
				None			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
13101-58030	13011-58040		90999-73100	11461-58010			
				11461-58020			
				11461-58040			

234

RINO — 4009 cc — 4 cyl.
PS135



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.090 mm MP: 23.40 mm

Ø 104.00	1 - 2.5	Ø 37.000		TL	200.0		TEIKIN NO.
-18.6	1 - 2.0	TL 84.50		OD	107.0		LKFF 46339
CD 60.20				FT	8.0		LKFF 46339A
TL 106.20	1 - 4.0			FD	112.0		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.			
46339	R 46339	P 46339	B 46339	LFF 46700*			
46339A							
				Surface Treatment			
				*Phosphate (PH)			
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.	REFERENCE NO.			
13211-78120	13011-3950/A		13271-89102	11461-78021			
13216-3201	13011-4020/A			11461-78031			
S130B-E0K80	13011-78060			11461-78051			
	13011-78180						

235

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

N04C — 4009 cc — 4 cyl.

Ø	104.00
	-19.1
CD	60.10
TL	106.20

	1 - 3.0 FK
	1 - 2.0
	1 - 4.0

Ø	37.000
TL	84.50

TL	200.0
OD	107.0
FT	8.0
FD	112.0

TEIKIN NO. LKFF 46700A

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46700A	R 46700	P 46339	B 46339	LFF 46700*

Surface Treatment: *Phosphate (PH)

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13211-78190	13011-78190	13271-89102	11461-78021
13216-E0020	13011-78230		11461-78031
13211-0247 F	13011-78220		11461-78051

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.090 mm MP: 24.00 mm

236

2D OLD — 6494 cc — 6 cyl.
1965-76

Ø	105.00
	-10.1
CD	73.00
TL	137.95

	3 - 3.0
	2 - 5.0

Ø	34.000
TL	88.50

TL	242.0
OD	115.5
FT	10.0
FD	120.0

TEIKIN NO. LKFF 46242

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46242	R 46242	P 46242	B 46242	LFF 46242

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-77012	13011-77010	90999-70004	11461-77015
13101-77013	1301177020/1/2/3	90999-70005	11461-77040

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 23.00 mm

237

2D NEW — 6494 cc — 6 cyl.
1977

Ø	105.00
	-5.1
CD	73.20
TL	133.10

	1 - 3.0 HK
	2 - 2.5
	1 - 5.0

Ø	34.000
TL	88.50

TL	233.0
OD	115.5
FT	10 + 1.0
FD	121.0

TEIKIN NO. LKFF 46244

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46244	R 46244	P 46242	B 46244	LFF 46244

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-77020	13011-77040	90999-73080	11461-77021
13211-77016	13011-77041	90999-73081	
13211-77020/1	13011-77050		

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 32.00 mm

238

15BF — 4104 cc — 4 cyl.
DYNA BU142, BU212
BU222
1995-2002

Ø	108.00
	-21.3
CD	59.50
TL	94.50

	1 - 3.0 HK
	1 - 2.0
	1 - 4.0

Ø	34.000
TL	73.00

TL	193.0	193.0
OD	112.0	112.0
FT	5.0	
FD	115.0	

TEIKIN NO. LKSF 46655A, LKSX 46655A

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
46655A	R 46655	P 46283	B 46655	LSF 46655 LSX 46655

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.	REFERENCE NO.	REFERENCE NO.
13101-58090	13011-58090	90999-73134	11461-58090
13101-58080	13013-58090		
	13014-58090		
	13015-58090		

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 13.00 mm

239

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER FLANGED	LINER NO FLANGE	LINER KIT SET

15BF-T — 4104 cc — 4 cyl.

Ø	108.00	1 - 3.0 HK	Ø	34.000		TL	193.0	193.0	TEIKIN NO.
	-22.2	1 - 2.0	TL	73.00		OD	112.0	112.0	LKSF 46656AG
CD	59.50					FT	5.0		LKSX 46656AG
TL	94.50	1 - 4.0				FD	115.0		
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.				
46656AG		R 46655	P 46283		B 46655		LSF 46655 LSX 46655		
						Surface Treatment	None		
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.				
13101-58091 13101-58101		13011-58090 13013-58090 13014-58090 13015-58090			90999-73134		11461-58090		

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 13.00 mm

240

S05C-II — 4613 cc — 4 cyl.

Ø	114.00	1 - 2.5	Ø	37.000		TL	186.5		TEIKIN NO.
	-20.0	1 - 2.0	TL	85.00		OD	117.0		LKFF 46381A
CD	60.50					FT	8.0		
TL	103.50	1 - 4.0				FD	122.0		
TEIKIN NO.		TEIKIN NO.	TEIKIN NO.		TEIKIN NO.				
46381A		R 46381	P 36127		B 46381		LFF 46381*		
						Surface Treatment	*Phosphate (PH)		
REFERENCE NO.		REFERENCE NO.			REFERENCE NO.				
13218-78021 13218-78020 13216-2983		13011-78030 13011-78031			13271-89101		11461-78090 11461-78100 11461-78110		

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 20.50 mm

241

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

GAZ 4062.10

4 cyl.

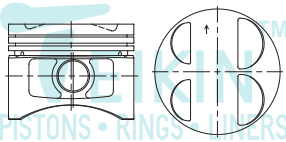
Ø	92.00
	-5.0
CD	38.00
TL	69.90

1 - 1.5
1 - 2.0
1 - 3.5

Ø 22.000
TL 64.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
60102	R 60102	P 43220



REFERENCE NO.	REFERENCE NO.
KS: 40 075 600	

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 13.00 mm

1

405

4 cyl.

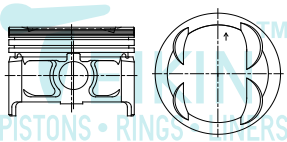
Ø	95.55
	-1.3
CD	38.10
TL	69.90

1 - 1.75
1 - 2.0
1 - 3.5

Ø 22.000
TL 64.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
60103	R 60103	P 43220



REFERENCE NO.	REFERENCE NO.

Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 16.00 mm

2

GAZ 421

1980 4 cyl.

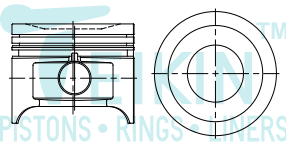
Ø	100.00
	-4.0
CD	43.70
TL	80.00

2 - 2.0
1 - 5.0

Ø 25.000
TL 67.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
60104	R 60104	P 39157



REFERENCE NO.	REFERENCE NO.
421.1004014	

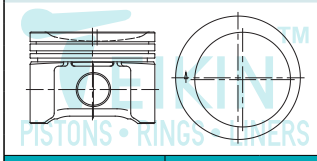
Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 16.50 mm

3

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	LINER	NO FLANGE	LINER KIT SET

EA111 RSH — 999 cc — 8V — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 67.11 -5.0 CD 31.27 TL 49.75	1 - 1.2 1 - 1.5 1 - 2.0	Ø 17.000 TL 45.00				
TEIKIN NO. **48210**	TEIKIN NO. **R 48210**	TEIKIN NO. **P 48210**				
REFERENCE NO. MAHLE: E70505	REFERENCE NO. 036 198 151 J HT-2C4808 MAHLE: A70500					

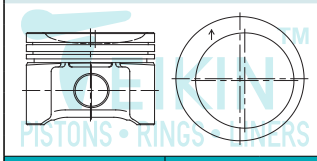


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.025 mm MP: 6.00 mm

1

EA111 — 999 cc — 8V — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 67.11 -6.0 CD 31.27 TL 49.75	1 - 1.2 1 - 1.5 1 - 2.0	Ø 17.000 TL 45.00				
TEIKIN NO. **48211**	TEIKIN NO. **R 48210**	TEIKIN NO. **P 48210**				
REFERENCE NO. MAHLE: E70500	REFERENCE NO. 036 198 151 J HT-2C4808 MAHLE: A70500					

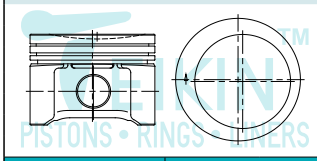


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.025 mm MP: 6.00 mm

2

EA111 ALCOOL — 999 cc — 8V — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 67.11 -2.6 CD 31.27 TL 49.75	1 - 1.2 1 - 1.5 1 - 2.0	Ø 17.000 TL 45.00				
TEIKIN NO. **48212**	TEIKIN NO. **R 48210**	TEIKIN NO. **P 48210**				
REFERENCE NO. MAHLE: E70510 030 107 099 A 030 107 099 J	REFERENCE NO. 036 198 151 J HT-2C4808 MAHLE: A70500					

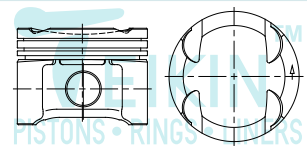


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.025 mm MP: 6.00 mm

3

EA111-II — 999 cc — 16V — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 67.11 -3.1 CD 31.27 TL 49.75	1 - 1.2 1 - 1.5 1 - 2.0	Ø 17.000 TL 45.00				
TEIKIN NO. **48213**	TEIKIN NO. **R 48210**	TEIKIN NO. **P 48210**				
REFERENCE NO. MAHLE: E70550 036 198 101 I	REFERENCE NO. 036 198 151 J HT-2C4808 MAHLE: A70500					



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.025 mm MP: 6.00 mm

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

EA111 RSH-II — 999 cc — 4 cyl. — 16V

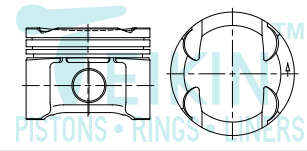
Ø	67.11	-1.4
CD	31.27	
TL	49.75	

RINGS
1 - 1.2
1 - 1.5
1 - 2.0

Ø	17.000
TL	45.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
48214	R 48210	P 48210



REFERENCE NO.	REFERENCE NO.
MAHLE: E70555	036 198 151 J HT-2C4808 MAHLE: A70500

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.025 mm MP: 6.00 mm

5

CBZB — 1197 cc — 4 cyl.
SEAT TOLEDO IV (KG3)
1.2 TSI 2012 - 2015
CADDY III BOX BODY/MPV
1.2 TSI 2010 - 2015
SEAT IBIZA IV SC (6J1, 6P5)

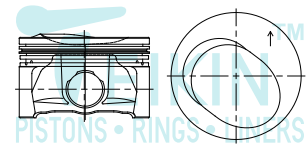
Ø	71.01	+1.8
CD	29.00	
TL	46.80	

RINGS
2 - 1.2
1 - 2.0

Ø	19.000
TL	42.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
48230	R 48230	P 48215



REFERENCE NO.	REFERENCE NO.
03F-107-065-F 03F-107-065-A 03F-107-065-D K-41257600 M-028PI00130000	03F198151B/ C/ D 04E198151A/ T G-0844230010 K-800114110000

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 5.00 mm

6

CZDA
SEAT LEON (5F1) 1.4 TSI 14- — 4 cyl.
AUDI Q3 SUV (8UB, 8UG)
1.4 TSI 2013 - 2018
TIGUAN SUV (AD1, AX1)
1.4 TSI 2016 - 2018

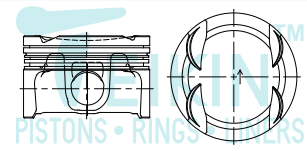
Ø	74.50	-2.7
CD	30.80	
TL	47.80	

RINGS
2 - 1.2
1 - 2.0

Ø	19.000
TL	47.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
48231	R 48229	P 44609



REFERENCE NO.	REFERENCE NO.
04E-107-065-GN 04E-107-065-GM	04E 198 151 B 04E198151AB 04E198151F/ K/ M/ N K-800119010000

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 5.00 mm

7

CZCA — 1395 cc — 4 cyl.
AUDI A1 (8X1, 8XK)
1.4 TFSI 2014 - 2018
SEAT TOLEDO IV (KG3)
1.4 TSI 2015 - 2019

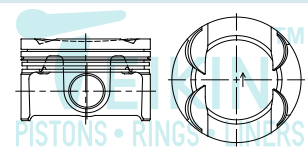
Ø	74.51	-1.5
CD	31.00	
TL	48.50	

RINGS
2 - 1.2
1 - 2.0

Ø	19.000
TL	52.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
48229	R 48229	P 44258



REFERENCE NO.	REFERENCE NO.
04E-107-065-GK 04E-107-065-GL	04E 198 151 B 04E198151AB 04E198151F/ K/ M/ N K-800119010000

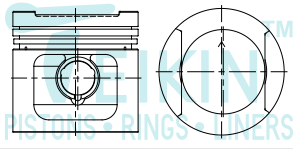
Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 5.00 mm

8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
						LINER		

ET/ZF/EP — 1297 cc — 4 cyl.

GOLF II CL 1300
GOLF 1300L, LS, GL, CiTi
JETTA GL &GX, FOX 1.3
PASSAT 1300 L &LS
1981 - ON



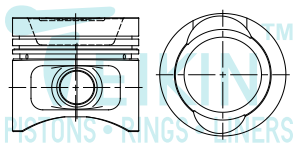
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 4.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 75.00 -2.9 CD 39.50 TL 71.50	1 - 1.5 1 - 1.75 1 - 3.0	Ø 20.000 TL 56.58				
TEIKIN NO. 48107	TEIKIN NO. R 48107	TEIKIN NO. P 42165				
REFERENCE NO. KS : 93 892 600	REFERENCE NO. KS : 800000340000 MAHLE: 034 19N0					

9

2G / AAV / HK — 1272 cc — 4 cyl.

HW / MH / NU / NZ



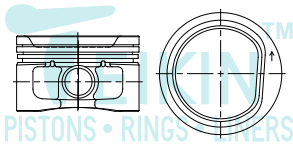
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 75.01 -16.6 CD 42.87 TL 49.87	1 - 1.75 1 - 2.0 1 - 3.0	Ø 20.000 TL 54.00		TL 133.0 OD 78.0 FT 4.5 FD 81.0		TEIKIN NO. LKSF 48605
TEIKIN NO. 48605	TEIKIN NO. R 48605	TEIKIN NO. P 48605		TEIKIN NO. LSF 48605 Surface Treatment None		
REFERENCE NO. KS : 93 896 600 MAHLE: 029 73 00	REFERENCE NO. KS : 800025040000 MAHLE: 029 52 N0			REFERENCE NO. MAHLE: 029 WV 19		

10

LUPO — 1598 cc — 4 cyl.

LUPO
POLO
CROSS FOX
SEAT IBIZA 2001-2007
Sport Van

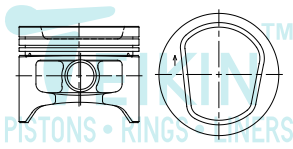


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 5.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 76.50 -7.0 CD 28.70 TL 47.20	1 - 1.2 1 - 1.5 1 - 2.5	Ø 17.000 TL 52.00				
TEIKIN NO. 48209	TEIKIN NO. R 48209	TEIKIN NO. P 48209				
REFERENCE NO. 032 107 065 Q	REFERENCE NO.					

11

AEA / AEE / AHS / ALM — 1598 cc — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 15.00 mm

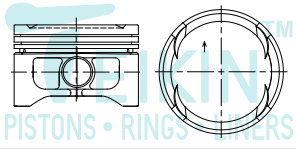
PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 76.50 -8.0 CD 30.90 TL 60.20	1 - 1.2 1 - 1.5 1 - 2.5	Ø 17.000 TL 52.00				
TEIKIN NO. 48607	TEIKIN NO. R 48607	TEIKIN NO. P 48209				
REFERENCE NO. KS : 94 553 600 MAHLE: 030 42 00	REFERENCE NO. KS : 800026140000 MAHLE: 030 32 N0					

12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

AFH / AFK / AHW — 1390 cc — 4 cyl.
AKQ / APE / AUA / AXP

PISTON SET	RINGS	PIN
Ø 76.50	1 - 1.2	Ø 17.000
-2.0	1 - 1.5	TL 53.00
CD 29.00		
TL 50.00	1 - 2.5	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
48608	**R 48607**	**P 49106**
REFERENCE NO.	**REFERENCE NO.**	
KS : 99 562 600	KS : 800026140000	
MAHLE : 03 061 00	MAHLE: 030 32 N0	

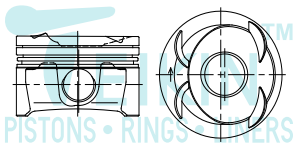


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm
Moly Skirt	MP: 7.00 mm

13

1.4 TURBO — 1390 cc — 4 cyl.
CAVD

PISTON SET	RINGS	PIN
Ø 76.51	1 - 1.2	Ø 19.000
+2.0	1 - 1.5	TL 52.00
CD 28.90		
TL 49.90	1 - 2.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
48221	**R 48221**	**P 44258**
REFERENCE NO.	**REFERENCE NO.**	
03C 107 065 CE		

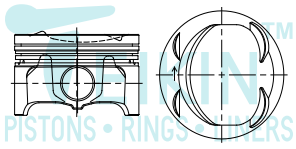


Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized 2nd Ring Anodized	MRC: 0.030 mm MP: 4.00 mm

14

CAXA — 1390 cc — 4 cyl.
SET TOLEDO IV (KG3)
1.4 TSI 2012 -2015
AUDI A1 SPORTBACK (8XA, 8XF)
1.4 TFSI 2011-2015

PISTON SET	RINGS	PIN
Ø 76.51	1 - 1.2	Ø 19.000
+1.9		TL 52.00
CD 29.20		
TL 50.20	1 - 2.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
48228	**R 48228**	**P 44258**
REFERENCE NO.	**REFERENCE NO.**	
03C-107-065-AP	036 198 151 H/A/G	
K-40477600	04E 198 151 H	
N-8742990000	G-0842990000	
	K-800073310000	

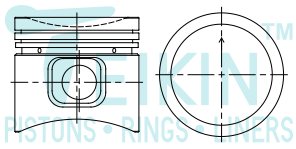


Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 8.00 mm

15

FR/JB, FP WV — 1588 cc — 4 cyl.
YN, YP, YV
GOLF 1600 GTS
CITI GOLF SPORT
AUDI 80GL, 100LS &1004
L4 SOHC 8 Válv

PISTON SET	RINGS	PIN
Ø 79.50	1 - 1.75	Ø 22.000
-6.1	1 - 2.0	TL 55.00
CD 41.80		
TL 73.80	1 - 4.0	
TEIKIN NO.	**TEIKIN NO.**	**TEIKIN NO.**
48102	**R 48102**	**P 48102**
REFERENCE NO.	**REFERENCE NO.**	
KS : 93 356 600	KS : 800000911	
	KS : 800041000	
	MAHLE: 034 59 V0	

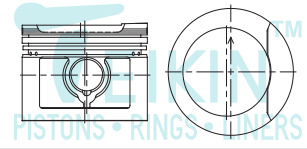


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.010 mm MP: 12.20 mm

16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	LINER	NO FLANGE	LINER KIT SET

E-II, ABS KAT, DS, DX — **1781 cc** — 4 cyl.
EV, GU, GX, PF, RG KAT
GOLF Gti, GOLF II Gti
JETTA Gli, JETTA II CII
1983 - ON
L4 SOHC 8 Vály.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 4.50 mm

Ø	81.00	+1.3
CD	31.90	
TL	62.35	

TEIKIN NO.	REFERENCE NO.
48110 (48106)	KS : 93 928 600

TEIKIN NO.	REFERENCE NO.
R 48110	KS : 800001011000 MAHLE: 034 75 N0

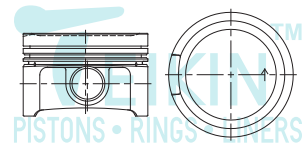
1 - 1.5
1 - 1.75
1 - 3.0

TEIKIN NO.
P 42165

Ø 20.000
TL 56.58

17

AEB — **1800 cc** — 4 cyl.
PASSAT
F.I., DOHC 20V



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.020 mm MP: 6.00 mm

Ø	81.00	-1.5
CD	32.70	
TL	53.70	

TEIKIN NO.	REFERENCE NO.
48204	06A-107-065J KS : 99 933 600 058 107 065 F

TEIKIN NO.	REFERENCE NO.
R 48204	KS : 800045040000 058 198 151 B G-0850290000 MAHLE: 033 04 N0

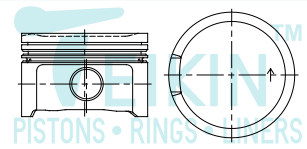
1 - 1.5
1 - 1.75
1 - 2.0

TEIKIN NO.
P 51101

Ø 20.000
TL 59.00

18

AEB-II — **1781 cc** — 4 cyl.
TT
F.I., DOHC 20V



Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.020 mm MP: 8.00 mm

Ø	81.00	-1.9
CD	32.70	
TL	53.70	

TEIKIN NO.	REFERENCE NO.
48205	06B-107-065N

TEIKIN NO.	REFERENCE NO.
R 48204	KS : 800045040000 058 198 151 B G-0850290000 MAHLE: 033 04 N0

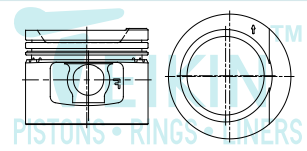
1 - 1.5
1 - 1.75
1 - 2.0

TEIKIN NO.
P 48205

Ø 19.000
TL 50.00

19

1.8L — **1800 cc** — 4 cyl.
SOHC 8 VAL
DERBY
GOLF A2
JETTA A2
CORSAR 89



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 9.50 mm

Ø	81.00	+1.2
CD	32.20	
TL	62.40	

TEIKIN NO.	REFERENCE NO.
48216	026107103Q

TEIKIN NO.
P 42165

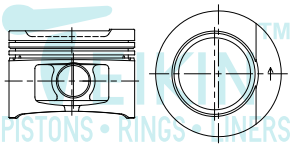
1 - 1.5
1 - 1.75
1 - 3.0

Ø 20.000
TL 56.58

20

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

1.8L-II
Pointer (97-08) — 4 cyl.
L4 SOHC 8 Valv



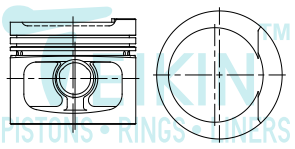
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 6.50 mm

Ø 81.00		Ø 20.000
	+1.0	TL 56.58
CD	32.30	
TL	57.30	

PISTON SET	RINGS	PIN
	1 - 1.2	
	1 - 1.5	
	1 - 2.0	
TEIKIN NO. 48219		TEIKIN NO. P 42165
REFERENCE NO. 27107103		

21

1F / ABN / DT / EW 1595 cc
EZ / EZA / JU / PN / RE / RL — 4 cyl.



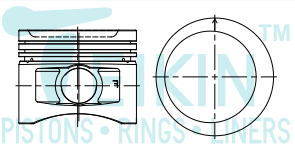
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 4.00 mm

Ø 81.00		Ø 20.000
	+2.2	TL 57.00
CD	35.60	
TL	66.80	

PISTON SET	RINGS	PIN
	1 - 1.5	
	1 - 1.75	
	1 - 3.0	
TEIKIN NO. 48604	TEIKIN NO. R 48110	TEIKIN NO. P 44675
REFERENCE NO. KS : 93 872 600 MAHLE: 034 76 00	REFERENCE NO. KS : 800001011000 MAHLE: 034 75 N0	

22

AAF
Eurovan Cargo
Transporter T4
Eurovan Van — 5 cyl.



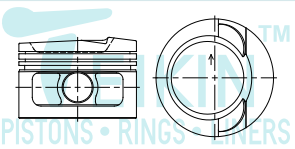
Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.030 mm MP: 10.00 mm

Ø 81.00		Ø 24.000
	-4.7	TL 55.85
CD	38.30	
TL	64.40	

PISTON SET	RINGS	PIN
	1 - 1.75	
	1 - 2.0	
	1 - 3.0	
TEIKIN NO. 48224		TEIKIN NO. P 48224
REFERENCE NO. 023107065A		

23

2.8L — 6 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 4.50 mm

Ø 81.00		Ø 20.000
	+2.1	TL 56.58
CD	32.30	
TL	55.70	

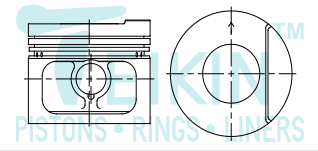
PISTON SET	RINGS	PIN
	1 - 1.5	
	1 - 1.75	
	1 - 3.0	
TEIKIN NO. 48223		TEIKIN NO. P 42165
REFERENCE NO. 071107065C		

24

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

JS KAT — 1994 cc — 4 cyl.

PASSAT 2.0 1983-88
115 PS
EZ HM



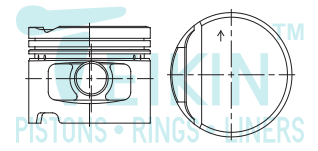
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 3.50 mm

PISTON SET	RINGS	PIN	FLANGED	NO FLANGE	LINER KIT SET
Ø 81.01 +2.5 CD 35.50 TL 66.80	1 - 1.5 1 - 1.75 1 - 3.0	Ø 20.000 TL 56.58			
TEIKIN NO. 48201		TEIKIN NO. P 42165			
REFERENCE NO. KS : 93 871 600					

25

PL 4 KAT — 1781 cc — 4 cyl.

KR 4 V
1985-92
GOLF, JETTA 1986-91



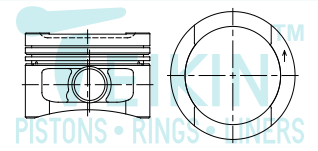
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 6.50 mm

PISTON SET	RINGS	PIN	FLANGED	NO FLANGE	LINER KIT SET
Ø 81.01 -3.9 CD 34.00 TL 63.00	1 - 1.5 1 - 1.75 1 - 3.0	Ø 20.000 TL 56.58			
TEIKIN NO. 48600 (48202)	TEIKIN NO. R 48110	TEIKIN NO. P 42165			
REFERENCE NO. KS : 93 117 600	REFERENCE NO. KS : 800001011000 MAHLE: 034 75 N0				

26

ADP / AEK / AFT — 1595 cc — 4 cyl.

AHL / AKL / ARM



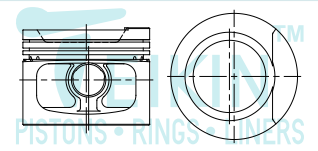
Surface Treatment	Bore Clearance
Tin Coated Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

PISTON SET	RINGS	PIN	FLANGED	NO FLANGE	LINER KIT SET
Ø 81.01 -3.0 CD 32.70 TL 53.80	1 - 1.2 1 - 1.5 1 - 2.0	Ø 20.000 TL 56.58			
TEIKIN NO. 48606	TEIKIN NO. R 48606	TEIKIN NO. P 42165			
REFERENCE NO. KS : 94 503 700 MAHLE: 033 01 00	REFERENCE NO. KS : 800039440000 MAHLE: 033 01 N0				

27

AAM/ADF/DS/EX/RP — 1781 cc — 4 cyl.

Golf
Jetta
A3 Combi
Panel (Carabela) 84-88
L4 SOHC 8 Vály



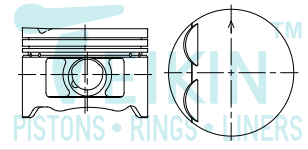
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 4.00 mm

PISTON SET	RINGS	PIN	FLANGED	NO FLANGE	LINER KIT SET
Ø 81.01 +1.4 CD 32.10 TL 62.50	1 - 1.5 1 - 1.75 1 - 3.0	Ø 20.000 TL 57.00			
TEIKIN NO. 48609	TEIKIN NO. R 48110	TEIKIN NO. P 48609			
REFERENCE NO. KS : 93 876 600 MAHLE: 034 78 00	REFERENCE NO. KS : 800001011000 MAHLE: 034 75 N0				

28

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

9A, 9A 4V KAT — **1984 cc** — 4 cyl.
PASSAT, JETTA Gli
GOLF Gti
F.I., DOHC4
1990-93

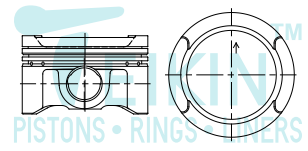


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.020 mm
Anodized Crown	MP: 10.00 mm
1st Ring Anodized	

PISTON SET	RINGS	PIN
Ø 82.50 +0.6	1 - 1.2	Ø 20.000
CD 29.80	1 - 1.5	TL 56.58
TL 58.40	1 - 2.0	
TEIKIN NO. 48111	TEIKIN NO. R 48111	TEIKIN NO. P 42165
REFERENCE NO. 053-107 065F; KS : 91 504 700	REFERENCE NO. KS : 800001220000; KS : 800045720000; MAHLE: 030 31 N0; MAHLE: 030 60 N0	

29

ABA — **1984 cc** — 4 cyl.
PASSAT, CABRIO GTI
F.I., SOHC4
1993-97
0

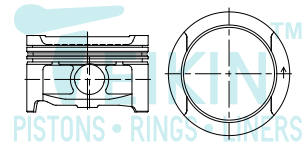


Surface Treatment	Bore Clearance
Chromated	MRC: 0.020 mm
Moly Skirt	MP: 5.40 mm

PISTON SET	RINGS	PIN
Ø 82.50 +1.1	1 - 1.2	Ø 21.000
CD 30.60	1 - 1.5	TL 56.00
TL 51.75	1 - 2.0	
TEIKIN NO. 48113		TEIKIN NO. P 38151
REFERENCE NO. 037-107-065M		

30

AEG — **1984 cc** — 4 cyl.
NEW BEETLE
GOLF JETTA
F.I., DOHC 8V
1998-2002

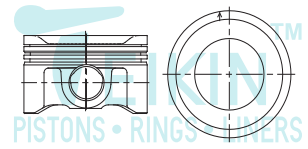


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.020 mm
	MP: 7.00 mm

PISTON SET	RINGS	PIN
Ø 82.50 +0.7	1 - 1.2	Ø 19.990
CD 29.30	1 - 1.5	TL 53.00
TL 51.00	1 - 2.0	
TEIKIN NO. 48203	TEIKIN NO. R 48111	TEIKIN NO. P 44340
REFERENCE NO. 058-107-065	REFERENCE NO. KS : 800001220000; KS : 800045720000; MAHLE: 030 31 N0; MAHLE: 030 60 N0	

31

ABA-II — **1984 cc** — 4 cyl.
GOLF III, JETTA III
1993-95
F.I. SOHC 8V
GLX A3 93-99;
Derby 99-01.



Surface Treatment	Bore Clearance
Chromated	MRC: 0.020 mm
Moly Skirt	MP: 5.40 mm

PISTON SET	RINGS	PIN
Ø 82.50 -5.5	1 - 1.2	Ø 21.000
CD 30.60	1 - 1.5	TL 56.00
TL 50.60	1 - 2.0	
TEIKIN NO. 48207		TEIKIN NO. P 38151
REFERENCE NO. 023-107-065A		

32

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

2.0 L LATE
4 cyl.

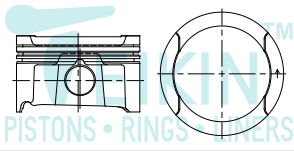
Ø	82.50
	+0.7
CD	29.30
TL	51.00

RINGS
1 - 1.2
1 - 1.5
1 - 2.0

Ø	19.000
TL	42.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
48215	R 48215	P 48215



REFERENCE NO.	REFERENCE NO.
06A-107-065-AE	

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 8.00 mm

33

CZPA
VOLKSWAGEN TIGUAN SUV (AD1, AX1) 2.0 TSI 4MOTION (2016 -)
4 cyl.

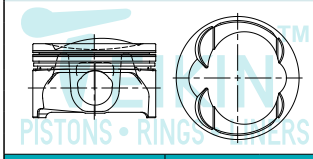
Ø	82.50
	+3.6
CD	29.70
TL	53.20

RINGS
2 - 1.2
1 - 2.0

Ø	23.000
TL	51.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
48233A	R 48232	P 48232



REFERENCE NO.	REFERENCE NO.
06K-107-065-AB	06J198151E 06H198151J 06K198151 06K198151A/B/C/K/L/N

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

34

2E,ADY,AGG 1984 cc
4 cyl.

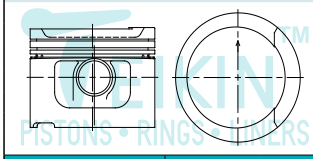
Ø	82.50
	+0.9
CD	30.90
TL	63.80

RINGS
1 - 1.2
1 - 1.5
1 - 2.0

Ø	21.000
TL	59.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
48610	R 48111	P 45131



REFERENCE NO.	REFERENCE NO.
KS : 91 128 600	KS : 800001220000 KS : 800045720000 MAHLE: 030 31N0 MAHLE: 030 60N0

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 6.00 mm

35

BPY / CBFA/ CCTA 1998 cc
4 cyl.

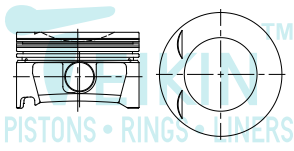
Ø	82.50
	-6.2
CD	29.60
TL	50.60

RINGS
1 - 1.2
1 - 1.5
1 - 2.0

Ø	20.000
TL	59.00



TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
48611A	R 48111	P 51101



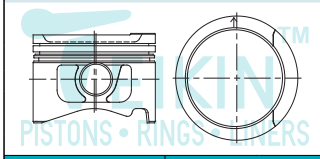
REFERENCE NO.	REFERENCE NO.
06D107066C	KS : 800001220000 KS : 800045720000 MAHLE: 030 31N0 MAHLE: 030 60N0

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

36

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

2.5 / 2.6 MICROBUS
5 cyl.

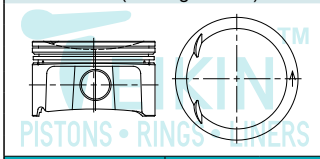


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 11.50 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 82.50 +1.0 CD 29.40 TL 59.40	2 - 1.5 1 - 2.0	Ø 20.000 TL 56.58				
TEIKIN NO. 48206		TEIKIN NO. P 42165				
REFERENCE NO.						

37

BGP/BGQ 2480 cc
5 cyl.
BORA
VENTO
JETTA
2.5L
Beetle 06-10 (Falda grafitada)

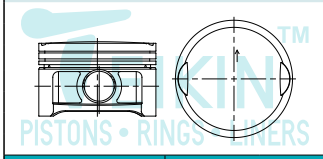


Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown 1st Ring Anodized	MRC: 0.030 mm MP: 7.50 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 82.50 -5.5 CD 29.30 TL 50.30	1 - 1.2 1 - 1.5 1 - 2.0	Ø 19.000 TL 44.00				
TEIKIN NO. 48208	TEIKIN NO. R 48208	TEIKIN NO. P 48208				
REFERENCE NO. 07K107065B MAHLE: 82L113	REFERENCE NO. 06D 198 151 A 06D 198 151 B MAHLE: 03319N0					

38

AMX 2771 cc
6 cyl.
Audi A4, A4 Quattro 98-03
Passat 4 Motion 97-00
Audi A6, A6 Quattro 98-03
Audi V6 2.8L DOHC APR
VW V6 2.8L DOHC

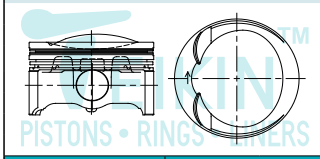


Surface Treatment	Bore Clearance
Chromated Moly Skirt	MRC: 0.030 mm MP: 6.50 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 82.50 +1.1 CD 30.20 TL 52.30	1 - 1.2 1 - 1.5 1 - 2.0	Ø 21.000 TL 56.00				
TEIKIN NO. 48225	TEIKIN NO. R 48225	TEIKIN NO. P 38151				
REFERENCE NO. 078 107 065 AF 078 107 103 AF 078 107 103 AJ	REFERENCE NO. 053 107 3111/B 053 198 151 C 06A 198 151 D 06C 198 151 B					

39

BZB
4 cyl.
TFSI 16V
FSI 16V



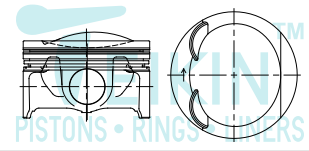
Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 9.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 82.51 +5.6 CD 29.80 TL 55.90	1 - 1.2 1 - 1.5 1 - 2.0	Ø 21.000 TL 54.00				
TEIKIN NO. 48218A	TEIKIN NO. R 48111	TEIKIN NO. P 33101				
REFERENCE NO. 06H 107 065 BK 06H 107 065 F 06H 107 065 T 06H 107 099 AE 06J 107 065 AG	REFERENCE NO. KS: 800001220000 KS: 800045720000 MAHLE: 030 31 N0 MAHLE: 030 60 N0					

40

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

CDAB 1798 cc 4 cyl.
PASSAT ALLTRACK
1.8 TSI 2012 - 2014
SKODA YETI
1.8 TSI 4x4 2009 - 2017

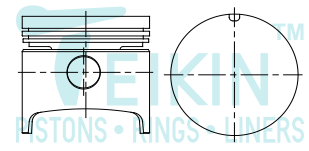


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 7.00 mm

PISTON SET	RINGS	PIN
Ø 82.51	2 - 1.2	Ø 23.000
+5.7		TL 51.00
CD 29.80		
TL 56.00	1 - 2.0	
TEIKIN NO. 48232A	TEIKIN NO. R 48232	TEIKIN NO. P 48232
REFERENCE NO. 06H-107-065-DL K-41197600 N-8744380000 N-8785020002	REFERENCE NO. 06J198151E 06H198151J 06K198151 06K198151A/B/C/K/L/N	

41

1600-HIGH, 311 1584 cc 4 cyl.
SEDAN BRASILIA
MOT 1600 (HIGH COMPRESSION)
AIR-COOLED
1971-1992

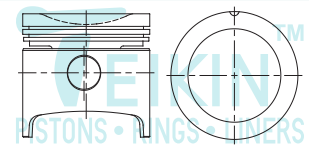


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.052 mm MP: 24.50 mm

PISTON SET	RINGS	PIN
Ø 85.50	2 - 2.0	Ø 22.000
		TL 72.00
CD 39.45		
TL 82.40	1 - 5.0	
TEIKIN NO. 48108		TEIKIN NO. P 46199
REFERENCE NO. 311-107-112F KS : 91 322 701		

42

1600-LOW, AM 1584 cc 4 cyl.
SEDAN BRASILIA
COMBI, SAFARI Y HARMIGA
MOT 1600 (LOW COMPRESSION)
1971-1992 AIR-COOLED



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 24.50 mm

PISTON SET	RINGS	PIN
Ø 85.50	2 - 2.0	Ø 22.000
-7.1		TL 72.00
CD 39.45		
TL 82.50	1 - 5.0	
TEIKIN NO. 48109		TEIKIN NO. P 46199
REFERENCE NO. 311-107-112J KS : 91 320 701		

43

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

ME, JP, JK, DW, CS — 1588 cc — 4 cyl.

CR, ACT, 076.1
GOLF, JETTA - DIESEL
1985-92

Ø	76.50	-1.6
CD	41.70	
TL	71.70	

RINGS	
1 - 1.75	
1 - 2.0	
1 - 3.0	

PIN	
Ø	24.000
TL	64.00

	TEIKIN NO.
PISTON SET	48101A
RINGS	R 48101
PIN	P 48101

Surface Treatment	Bore Clearance
Chromated	MRC: 0.030 mm MP: 21.00 mm

REFERENCE NO.	
PISTON SET	KS : 93 260 600
RINGS	KS: 8000006110000 MAHLE: 029 54N0 MAHLE: 029 55N0

44

1G / 1V / CY TURBO — 1588 cc — 4 cyl.

DV / MF / JR TURBO
JX / RA / SB TURBO

Ø	76.50	-1.6
CD	41.70	
TL	71.70	

RINGS	
1 - 1.75	
1 - 2.0	
1 - 3.0	

PIN	
Ø	24.000
TL	64.00

LINER FLANGED	
TL	145.0
OD	79.5
FT	4.7
FD	81.5

	TEIKIN NO.
LINER KIT SET	LKSF 48601A
PISTON SET	48601A
RINGS	R 48601
PIN	P 48601
LINER FLANGED	LSF 48601

Surface Treatment	Bore Clearance
Chromated Anodized Crown	MRC: 0.012 mm MP: 14.00 mm

Surface Treatment: None

REFERENCE NO.	
PISTON SET	KS : 90 732 600 MAHLE: 029 79 00
RINGS	KS: 8000006100000 MAHLE: 029 54/55 N0
LINER FLANGED	KS : 89 163 190 MAHLE: 029 WV 13

45

AXB TURBO — 1896 cc — 4 cyl.

Eurovan (Diesel) 05-09
SOHC 8 Val.
(TDI)

Ø	79.50	-17.9
CD	45.80	
TL	68.80	

RINGS	
1 - 1.85	
1 - 2.0	
1 - 3.0	

PIN	
Ø	26.000
TL	65.50

	TEIKIN NO.
LINER KIT SET	
PISTON SET	48226AG
RINGS	R 48226
PIN	P 48222

*W/ Insert Bush

*Cylinder 1/2 Side Shown

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 6.00 mm

REFERENCE NO.	
PISTON SET	038 107 065 EL (CYL 1/2) 038 107 065 EM (CYL 3/4)
RINGS	

46

1X / 1Y / AAB — 1896 cc — 4 cyl.

ADG / AEF / AJA

Ø	79.50	-1.9
CD	39.65	
TL	65.70	

RINGS	
1 - 1.75	
1 - 2.0	
1 - 3.0	

PIN	
Ø	24.000
TL	64.00

LINER FLANGED	
TL	152.0
OD	82.5
FT	4.7
FD	85.5

	TEIKIN NO.
LINER KIT SET	LKSF 48602A
PISTON SET	48602A
RINGS	R 48602
PIN	P 48601
LINER FLANGED	LSF 48602

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 7.00 mm

Surface Treatment: None

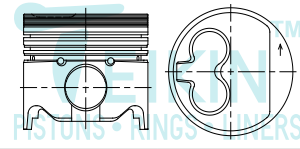
REFERENCE NO.	
PISTON SET	KS : 91 386 600 MAHLE: 029 82 00
RINGS	KS: 8000008100000 KS: 8000051640000 MAHLE: 030 20 N0
LINER FLANGED	KS : 89 434 190 MAHLE: 029 WV 20

47

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

AAZ / ABL / ADE TURBO 1896 cc — 4 cyl.

Ø 79.50	1 - 1.75	Ø 26.000		TL 152.0		TEIKIN NO.
-1.9	1 - 2.0	TL 66.00		OD 82.5		LKSF 48603A
CD 45.65				FT 4.7		
TL 71.65	1 - 3.0			FD 85.5		
TEIKIN NO. 48603A	TEIKIN NO. R 48602	TEIKIN NO. P 48603		TEIKIN NO. LSF 48602		
				Surface Treatment: None		
REFERENCE NO. KS : 91 429 600 MAHLE: 029 96 00	REFERENCE NO. KS: 800000810000 KS: 800051640000 MAHLE: 030 20 N0			REFERENCE NO. KS : 89 434 190 MAHLE: 029 WV 20		

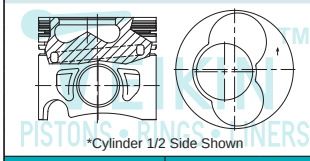


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.020 mm
Anodized Crown	MP: 10.00 mm

48

ANU / ATD / AVB / AVQ 1896 cc — 4 cyl.
AXR/BEW/BJB/BKC
BRU/BSW/BXE/BXF
BXJ

Ø 79.50	1 - 1.75	Ø 26.000		TL 152.0		TEIKIN NO.
-17.1	1 - 2.0	TL 66.00		OD 82.5		LKSF 48612AG
CD 45.80				FT 4.7		
TL 68.80	1 - 3.0			FD 85.5		
TEIKIN NO. 48612AG	TEIKIN NO. R 48612	TEIKIN NO. P G1113		TEIKIN NO. LSF 48612		
				Surface Treatment: None		
REFERENCE NO. 038 107 065 CN/CR/DQ (CYL 1/2) 038 107 065 CP/CT/DR (CYL 3/4) 038 107 065 EA/EC/EQ (CYL 1/2) 038 107 065 EB/ED/ER (CYL 3/4) 038 107 065 FA/FE/FG (CYL 1/2)	REFERENCE NO. KS: 800000810000 KS: 800051640000 MAHLE: 03020N0 G-0811490000			REFERENCE NO. KS : 89 434 190 MAHLE: 029 WV 20 A-SU351317 G-1402795000		

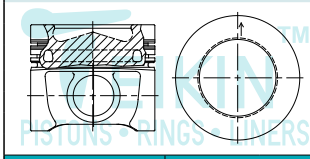


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.040 mm
	MP: 6.50 mm

49

POLO — 3 cyl.

Ø 79.51	1 - 1.75	Ø 26.000				
-10.7	1 - 2.0	TL 66.00				
CD 45.30						
TL 67.80	1 - 3.0					
TEIKIN NO. 48220AG-3	TEIKIN NO. R 48220-3	TEIKIN NO. P G1113				
REFERENCE NO.	REFERENCE NO.					

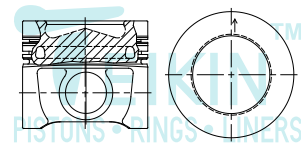


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.050 mm
Anodized Crown	MP: 4.50 mm

50

VENTO — 4 cyl.

Ø 79.51	1 - 1.75	Ø 26.000				
-10.7	1 - 2.0	TL 66.00				
CD 45.30						
TL 67.80	1 - 3.0					
TEIKIN NO. 48220AG	TEIKIN NO. R 48220	TEIKIN NO. P G1113				
REFERENCE NO.	REFERENCE NO.					



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.050 mm
Anodized Crown	MP: 4.50 mm

51

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

2.0 LT TDI — 4 cyl.

TRANSPORTA

Ø	81.00	-12.7
CD	45.80	
TL	68.80	

RINGS: 1 - 1.75 / 1 - 2.0 / 1 - 3.0

PIN: Ø 26.000 / TL 65.50

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
48222AG	R 48222	P 48222
*W/ Insert Bush		
REFERENCE NO.	REFERENCE NO.	
03L 107 065 N 001		

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 6.50 mm

52

BJK TURBO — 2461 cc — 5 cyl.

Crafter (Diesel)
2008-2011
SOHC 10Vál. TDi
(geometría variable)
Crafter Van y Cargo

Ø	81.00	-16.5
CD	45.70	
TL	68.00	

RINGS: 1 - 2.5 / 1 - 2.0 / 1 - 3.0

PIN: Ø 26.000 / TL 65.50

TEIKIN NO.	TEIKIN NO.
48227A	P 48222
*W/ Insert Bush	
REFERENCE NO.	
076107065	

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.030 mm MP: 5.50 mm

53

ACV/ AGX/AHD/AHY — 2461 cc — 5 cyl.

Ø	81.00	-17.2
CD	45.75	
TL	69.75	

RINGS: 1 - 2.5 / 1 - 2.0 / 1 - 3.0

PIN: Ø 26.000 / TL 68.00

TL	158.0
OD	84.0
FT	5.0
FD	85.0

TEIKIN NO. LKSF 48613A

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
48613A	R 48613	P 44603	LSF 48613
			Surface Treatment: None
REFERENCE NO.	REFERENCE NO.		REFERENCE NO.
KS : 99742700 (CYL 1/2 MAHLE: 0305800 (CYL 1/2) KS : 99743700 (CYL 3/4/5) MAHLE: 0305900 (CYL 3/4/5 N-8750150000 (CYL 1/2)	KS: 800001150000 KS: 800073910000 MAHLE: 030 48 N0 MAHLE: 034 90 N0		MAHLE: 029 WV 25 N-1402042000

Surface Treatment	Bore Clearance
Moly Skirt Anodized Crown	MRC: 0.040 mm MP: 6.00 mm

54

DJ — 2109 cc — 4 cyl.

MICROBUS
WATER COOLED
FUEL INJECTION

Ø	94.00	-9.1
CD	36.80	
TL	66.80	

RINGS: 1 - 1.75 / 1 - 2.0 / 1 - 3.5

PIN: Ø 24.000 / TL 64.00

TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
48112	R 48112	P 48101
REFERENCE NO.	REFERENCE NO.	
KS : 90 129 600	KS: 800026941000 MAHLE: 029 72N0	

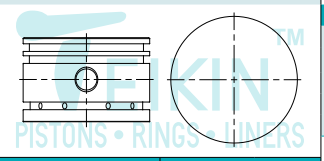
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 14.50 mm

55

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

CLAYTON DEWANDRE

6CF, 9CF, SC6
COMPRESSORS
1 cyl.



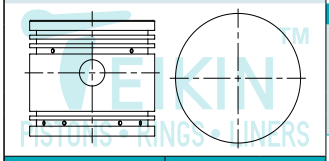
Surface Treatment	Bore Clearance
None	MRC: 0.080 mm MP: 3.20 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 66.68 CD 22.00 TL 44.25	3 - 4.0	Ø 11.11 TL 57.00				
TEIKIN NO. G9111		TEIKIN NO. P G9111				
REFERENCE NO.						

1

MC2

TUFLO 501
MC 2
2 cyl.



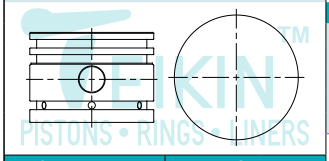
Surface Treatment	Bore Clearance
None	MRC: 0.066 mm MP: 3.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 66.68 CD 27.00 TL 59.51	3 - 2.4 2 - 3.2	Ø 13.495 TL 59.48				
TEIKIN NO. G9106		TEIKIN NO. P G9106				

2

MC3

EL-1300, EL-1600
MC 3
2 cyl.



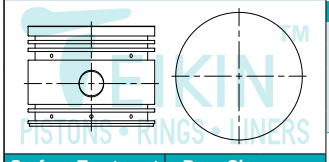
Surface Treatment	Bore Clearance
None	MRC: 0.142 mm MP: - mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 69.85 CD 26.24 TL 50.29	3 - 4.7	Ø 14.275 TL 60.73				
TEIKIN NO. G9107		TEIKIN NO. P G9107				
REFERENCE NO.						

3

MC5

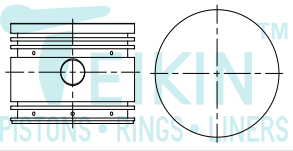
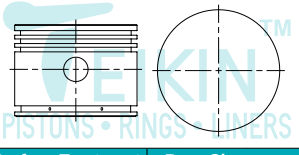
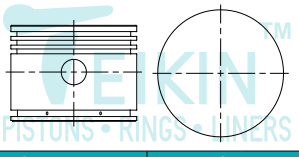
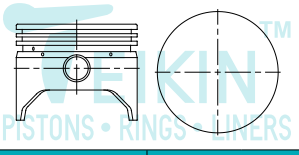
MC M706113
MC 5
2 cyl.



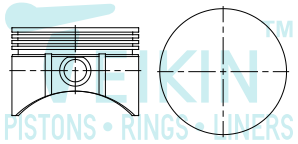
Surface Treatment	Bore Clearance
None	MRC: 0.056 mm MP: 2.25 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 70.50 CD 31.75 TL 55.32	3 - 2.4 2 - 4.7	Ø 13.495 TL 62.99				
TEIKIN NO. G9109		TEIKIN NO. P G9109				
REFERENCE NO.						

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
MC6 MC 706114 MC 6 2 cyl.	Ø 70.50 CD 26.97 TL 55.32	3 - 2.4 2 - 4.7	Ø 13.495 TL 62.99				
	TEIKIN NO. G9110		TEIKIN NO. P G9109				
	REFERENCE NO.						
Surface Treatment: None Bore Clearance: MRC: 0.040 mm MP: 2.25 mm							5
6D16 6 cyl.	Ø 80.00 CD 29.40 TL 60.40	3 - 3.0 1 - 4.0	Ø 16.000 TL 71.00				
	TEIKIN NO. G9112		TEIKIN NO. P G9112				
	REFERENCE NO.						
Surface Treatment: None Bore Clearance: MRC: 0.080 mm MP: 0.50 mm							6
6D16T 1 cyl.	Ø 80.00 CD 29.40 TL 60.40	3 - 3.0 1 - 4.0	Ø 16.000 TL 71.00				
	TEIKIN NO. G9113		TEIKIN NO. P G9112				
	REFERENCE NO.						
Surface Treatment: None Bore Clearance: MRC: 0.080 mm MP: 0.50 mm							7
MC1 1 cyl.	Ø 92.08 CD 33.50 TL 72.90	2 - 3.2 1 - 4.7	Ø 17.473 TL 69.85				
	TEIKIN NO. G9102		TEIKIN NO. P G9102				
	REFERENCE NO.						
Surface Treatment: None Bore Clearance: MRC: 0.096 mm MP: 25.50 mm							8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
MC4 1 cyl.	Ø 98.35 CD 33.49 TL 68.58	3 - 2.0 1 - 4.0	Ø 17.473 TL 69.85					
	TEIKIN NO. G9108		TEIKIN NO. P G9102					
	REFERENCE NO.							



Surface Treatment	Bore Clearance
None	MRC: 0.055 mm MP: 21.00 mm

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

KND 3B
1 cyl.

Ø 68.00 -2.4	3 - 2.5	Ø 25.000
CD 44.83		TL 58.00
TL 82.85	2 - 4.0	
TEIKIN NO. G0101		**TEIKIN NO.** P G0101
REFERENCE NO. 14111-21113, 14111-21112		

Surface Treatment	Bore Clearance
None	MRC: 0.060 mm MP: 9.00 mm

1

KND40
1 cyl.

Ø 75.00 -2.6	3 - 2.5	Ø 25.000
CD 44.85		TL 65.00
TL 82.85	2 - 4.0	
TEIKIN NO. G0116		**TEIKIN NO.** P G0120
REFERENCE NO. 14109-21112		

Surface Treatment	Bore Clearance
None	MRC: 0.150 mm MP: 17.00 mm

2

GA70
GA120
1 cyl.

Ø 75.00	3 - 2.5	Ø 25.000
CD 42.95		TL 65.00
TL 81.00	2 - 4.0	
TEIKIN NO. G0120		**TEIKIN NO.** P G0120
REFERENCE NO. 14441-21110, 14441-21112		

Surface Treatment	Bore Clearance
None	MRC: 0.100 mm MP: 12.00 mm

3

RD 55
1 cyl.

Ø 76.00	3 - 2.0	Ø 24.000
CD 40.00		TL 65.00
TL 72.10	1 - 4.0	
TEIKIN NO. G0123		**TEIKIN NO.** P G0111
REFERENCE NO.		

Surface Treatment	Bore Clearance
None	MRC: 0.100 mm MP: 16.50 mm

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

V1512DI

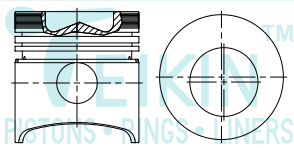
1 cyl.

Ø	76.00
	-12.6
CD	43.50
TL	80.00

RINGS: 1 - 2.5 HK; 1 - 2.0; 1 - 5.0

Ø	25.000
TL	64.00





Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 18.00 mm

TEIKIN NO.	TEIKIN NO.
G0127-1	P 42601

REFERENCE NO.

5

1512 TCVS

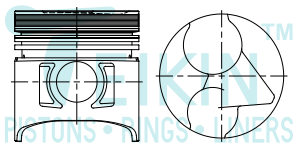
1 cyl.

Ø	76.00
	-2.1
CD	43.60
TL	80.10

RINGS: 1 - 2.5 HK; 1 - 2.0; 1 - 5.0

Ø	25.000
TL	64.00





Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 16.50 mm

TEIKIN NO.	TEIKIN NO.
G0130A-1	P 42601

REFERENCE NO.

6

V1502

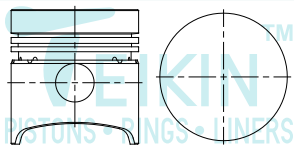
1 cyl.

Ø	76.00
CD	43.50
TL	80.10

RINGS: 1 - 2.5 HK; 1 - 2.0; 1 - 5.0

Ø	23.000
TL	63.00





Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 19.00 mm

TEIKIN NO.	TEIKIN NO.
G0131-1	P 51132

REFERENCE NO.
15221-21110

7

V1512DI

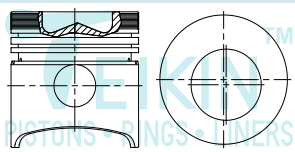
4 cyl.

Ø	76.00
	-12.6
CD	43.50
TL	80.00

RINGS: 1 - 2.5 HK; 1 - 2.0; 1 - 5.0

Ø	25.000
TL	64.00





Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 18.00 mm

TEIKIN NO.	TEIKIN NO.
G0127	P 42601

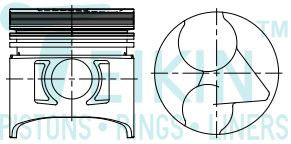
REFERENCE NO.

8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

1512 TCVS — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 76.00	1 - 2.5 HK	Ø 25.000				
-2.1	1 - 2.0	TL 64.00				
CD 43.60						
TL 80.10	1 - 5.0					
TEIKIN NO. G0130A		TEIKIN NO. P 42601				

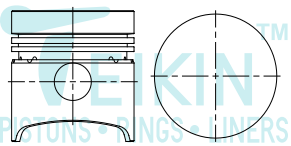


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 16.50 mm

9

V1502 — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 76.00	1 - 2.5 HK	Ø 23.000				
	1 - 2.0	TL 63.00				
CD 43.50						
TL 80.10	1 - 5.0					
TEIKIN NO. G0131		TEIKIN NO. P 51132				
REFERENCE NO. 15221-21110						

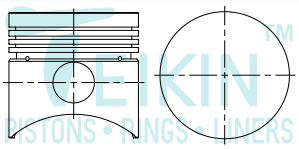


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 19.00 mm

10

KND 70A — 1 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 78.00	3 - 2.0	Ø 25.000				
		TL 65.00				
CD 43.00						
TL 77.00	1 - 4.0					
TEIKIN NO. G0103		TEIKIN NO. P G0120				
REFERENCE NO.						

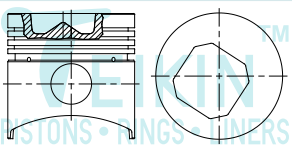


Surface Treatment	Bore Clearance
None	MRC: 0.100 mm MP: 18.00 mm

11

JD75 — 1 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 78.00	1 - 2.5 HK	Ø 25.000				
-12.8	2 - 2.0	TL 65.00				
CD 43.20						
TL 77.20	1 - 4.0					
TEIKIN NO. G0112		TEIKIN NO. P G0120				
REFERENCE NO.						

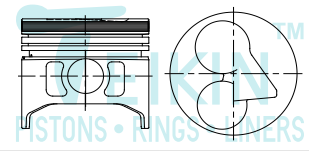


Surface Treatment	Bore Clearance
None	MRC: 0.100 mm MP: 18.00 mm

12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

4D78 — 1 cyl.

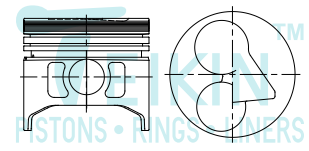


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 18.00 mm

PISTON SET	RINGS	PIN
Ø 78.00 -1.8	1 - 2.0 HK 1 - 1.5	Ø 22.000 TL 60.00
CD 36.30 TL 69.50	1 - 4.0	
TEIKIN NO. G0135-1	TEIKIN NO. R G0135	TEIKIN NO. P 34102
REFERENCE NO. 16060-21114	REFERENCE NO.	

13

4D78 — 4 cyl.

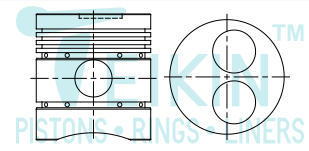


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 18.00 mm

PISTON SET	RINGS	PIN
Ø 78.00 -1.8	1 - 2.0 HK 1 - 1.5	Ø 22.000 TL 60.00
CD 36.30 TL 69.50	1 - 4.0	
TEIKIN NO. G0135	TEIKIN NO. R G0135	TEIKIN NO. P 34102
REFERENCE NO. 16060-21114	REFERENCE NO.	

14

KND 5B — 1 cyl.

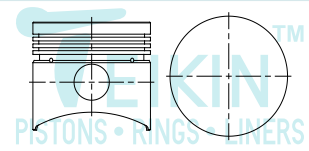


Surface Treatment	Bore Clearance
None	MRC: 0.155 mm MP: 15.00 mm

PISTON SET	RINGS	PIN
Ø 80.00	3 - 2.5	Ø 26.000 TL 68.00
CD 44.90 TL 87.90	2 - 4.0	
TEIKIN NO. G0102		TEIKIN NO. P 44603
REFERENCE NO.		

15

RD 65 — 376 cc — 1 cyl.



Surface Treatment	Bore Clearance
None	MRC: 0.105 mm MP: 16.00 mm

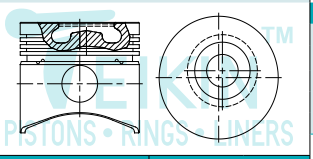
PISTON SET	RINGS	PIN
Ø 80.00	3 - 2.0	Ø 24.000 TL 65.00
CD 40.00 TL 72.00	1 - 4.0	
TEIKIN NO. G0111		TEIKIN NO. P G0111
REFERENCE NO. 11131-21111		

16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

RD 65 DIS
1 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 80.00 -13.4 CD 40.00 TL 72.00	3 - 2.0 1 - 4.0	Ø 24.000 TL 65.00				
TEIKIN NO. G0134		TEIKIN NO. P G0111				
REFERENCE NO.						

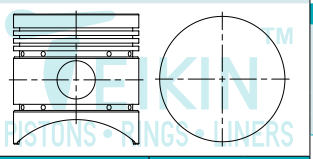


Surface Treatment	Bore Clearance
None	MRC: 0.080 mm MP: 16.50 mm

17

GA80
1 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 82.00 CD 42.80 TL 85.00	3 - 2.0 2 - 4.0	Ø 25.000 TL 70.00				
TEIKIN NO. G0113		TEIKIN NO. P G0118				
REFERENCE NO. 14351-22221 14351-21112						

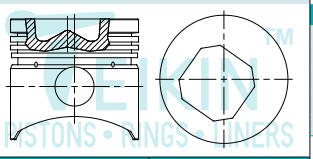


Surface Treatment	Bore Clearance
None	MRC: 0.100 mm MP: 19.00 mm

18

RD 75 443 cc
1 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 82.00 -14.2 CD 43.20 TL 77.20	1 - 2.5 HK 2 - 2.0 1 - 4.5	Ø 25.000 TL 64.00				
TEIKIN NO. G0121		TEIKIN NO. P 42601				
REFERENCE NO.						

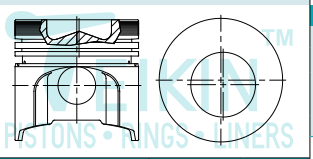


Surface Treatment	Bore Clearance
None	MRC: 0.080 mm MP: 18.00 mm

19

V1702DI
1 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 82.00 -13.2 CD 43.60 TL 80.10	1 - 2.5 HK 1 - 2.0 1 - 5.0	Ø 25.000 TL 64.00				
TEIKIN NO. G0126-1		TEIKIN NO. P 42601				
REFERENCE NO. 17302-21120						



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 18.50 mm

20

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

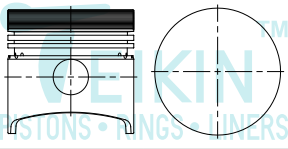
V1702
1 cyl.

Ø	82.00
CD	43.50
TL	80.00

1 - 2.5 HK
1 - 2.0
1 - 5.0

Ø	23.000
TL	63.00





TEIKIN NO.	TEIKIN NO.
G0129-1	P 51132

REFERENCE NO.
15201-21110

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 19.50 mm

21

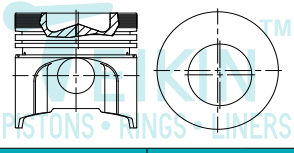
V1702DI
4 cyl.

Ø	82.00
	-13.2
CD	43.60
TL	80.10

1 - 2.5 HK
1 - 2.0
1 - 5.0

Ø	25.000
TL	64.00





TEIKIN NO.	TEIKIN NO.
G0126	P 42601

REFERENCE NO.
17302-21120

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 18.50 mm

22

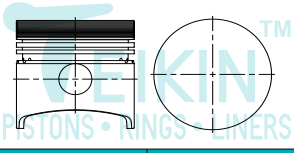
V1702
4 cyl.

Ø	82.00
CD	43.50
TL	80.00

1 - 2.5 HK
1 - 2.0
1 - 5.0

Ø	23.000
TL	63.00





TEIKIN NO.	TEIKIN NO.
G0129	P 51132

REFERENCE NO.
15201-21110

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 19.50 mm

23

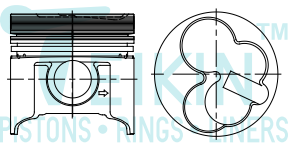
83MM
1 cyl.

Ø	83.00
	-3.9
CD	43.50
TL	80.30

1 - 2.0 HK
1 - 2.0
1 - 3.0

Ø	25.000
TL	64.00





TEIKIN NO.	TEIKIN NO.
G0133A	P 42601

REFERENCE NO.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 16.50 mm

24

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

D1503
1 cyl.

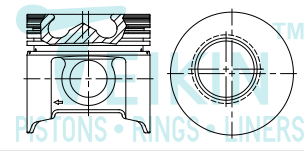
Ø 83.00
-16.0
CD 43.50
TL 80.00

1 - 2.0 HK
1 - 2.0
1 - 4.0

Ø 25.000
TL 64.00

TEIKIN NO. G0600A-1
TEIKIN NO. R G0600-1
TEIKIN NO. P 42601

REFERENCE NO. 1G770-21110
REFERENCE NO.



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.050 mm MP: 22.00 mm

25

D1503 1499 cc
3 cyl.

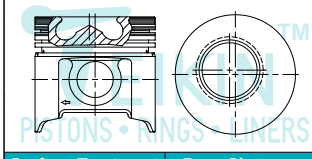
Ø 83.00
-16.0
CD 43.50
TL 80.00

1 - 2.0 HK
1 - 2.0
1 - 4.0

Ø 25.000
TL 64.00

TEIKIN NO. G0600A
TEIKIN NO. R G0600
TEIKIN NO. P 42601

REFERENCE NO. 1G770-21110
REFERENCE NO.



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.050 mm MP: 22.00 mm

26

KND 80
1 cyl.

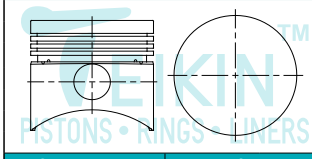
Ø 84.00
CD 43.00
TL 77.00

3 - 2.0
1 - 4.5

Ø 25.000
TL 70.00

TEIKIN NO. G0104
TEIKIN NO. P G0118

REFERENCE NO. 14911-2111



Surface Treatment	Bore Clearance
None	MRC: 0.110 mm MP: 18.00 mm

27

KND 85
1 cyl.

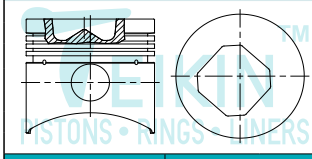
Ø 84.00
-14.3
CD 43.30
TL 77.30

1 - 2.0 HK
2 - 2.0
1 - 4.5

Ø 25.000
TL 70.00

TEIKIN NO. G0106
TEIKIN NO. P G0118

REFERENCE NO.



Surface Treatment	Bore Clearance
None	MRC: 0.091 mm MP: 18.00 mm

28

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
1902DI 1 cyl.	Ø 85.00 -13.4 CD 43.60 TL 80.10 TEIKIN NO. G0132-1 REFERENCE NO. 17365-21120	1 - 2.5 HK 1 - 2.0 1 - 5.0	Ø 25.000 TL 64.00 TEIKIN NO. P 42601				29
Surface Treatment: Tin Coated	Bore Clearance: MRC: 0.070 mm MP: 17.00 mm						
1902DI 4 cyl.	Ø 85.00 -13.4 CD 43.60 TL 80.10 TEIKIN NO. G0132 REFERENCE NO. 17365-21120	1 - 2.5 HK 1 - 2.0 1 - 5.0	Ø 25.000 TL 64.00 TEIKIN NO. P 42601				30
Surface Treatment: Tin Coated	Bore Clearance: MRC: 0.070 mm MP: 17.00 mm						
4D85 1 cyl.	Ø 85.00 CD 43.40 TL 79.90 TEIKIN NO. G0136-1 REFERENCE NO. 19439-21110 19439-21111	1 - 2.5 HK 1 - 2.0 1 - 5.0	Ø 23.000 TL 63.00 TEIKIN NO. P 51132				31
Surface Treatment: Tin Coated	Bore Clearance: MRC: 0.070 mm MP: 20.00 mm						
4D85 4 cyl.	Ø 85.00 CD 43.40 TL 79.90 TEIKIN NO. G0136 REFERENCE NO. 19439-21110 19439-21111	1 - 2.5 HK 1 - 2.0 1 - 5.0	Ø 23.000 TL 63.00 TEIKIN NO. P 51132				32
Surface Treatment: Tin Coated	Bore Clearance: MRC: 0.070 mm MP: 20.00 mm						

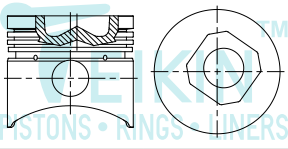
ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

RD 85 — 487 cc — 1 cyl.

Ø	86.00 / -14.2
CD	43.20
TL	77.20

RINGS: 1 - 2.5 HK; 2 - 2.0; 1 - 4.5

PIN: Ø 25.000, TL 70.00



Surface Treatment	Bore Clearance
None	MRC: 0.091 mm MP: 22.20 mm

TEIKIN NO.	TEIKIN NO.
G0118	P G0118

REFERENCE NO.

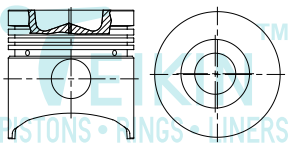
33

KND 95Di — 1 cyl.

Ø	86.00 / -14.5
CD	47.20
TL	88.00

RINGS: 1 - 2.5 HK; 2 - 2.0; 1 - 4.5

PIN: Ø 27.000, TL 72.00



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.090 mm MP: 23.50 mm

TEIKIN NO.	TEIKIN NO.
G0119	P 39125

REFERENCE NO.

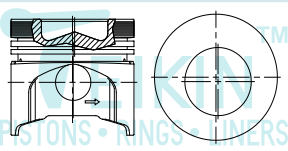
34

V2203DI — 1 cyl.

Ø	87.00 / -14.8
CD	43.50
TL	80.00

RINGS: 1 - 2.5 HK; 1 - 2.0; 1 - 5.0

PIN: Ø 25.000, TL 64.00



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 17.50 mm

TEIKIN NO.	TEIKIN NO.
G0125-1 G0125A-1	P 42601

REFERENCE NO.
16641-21110

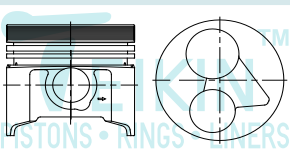
35

V2203 — 1 cyl.

Ø	87.00 / -1.5
CD	43.50
TL	80.00

RINGS: 1 - 2.5 HK; 1 - 2.0; 1 - 5.0

PIN: Ø 25.000, TL 64.00



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.00 mm

TEIKIN NO.	TEIKIN NO.
G0128-1 G0128A-1	P 42601

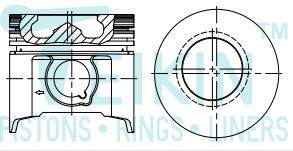
REFERENCE NO.
19077-21112

36

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

V2403T — 1 cyl.

PISTON SET	RINGS	PIN
Ø 87.00	1 - 2.0 HK	Ø 25.000
-16.4	1 - 2.0	TL 64.00
CD 43.50		
TL 80.00	1 - 4.0	
TEIKIN NO. G0601A-1	TEIKIN NO. R G0601-1	TEIKIN NO. P 42601
REFERENCE NO. 1G924-2111	REFERENCE NO.	

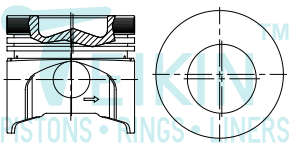


Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.040 mm MP: 16.00 mm

37

V2203DI — 4 cyl.

PISTON SET	RINGS	PIN
Ø 87.00	1 - 2.5 HK	Ø 25.000
-14.8	1 - 2.0	TL 64.00
CD 43.50		
TL 80.00	1 - 5.0	
TEIKIN NO. G0125		TEIKIN NO. P 42601
REFERENCE NO. 16641-21110		

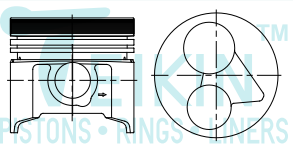


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.060 mm MP: 17.50 mm

38

V2203 — 4 cyl.

PISTON SET	RINGS	PIN
Ø 87.00	1 - 2.5 HK	Ø 25.000
-1.5	1 - 2.0	TL 64.00
CD 43.50		
TL 80.00	1 - 5.0	
TEIKIN NO. G0128		TEIKIN NO. P 42601
REFERENCE NO. 19077-21112		

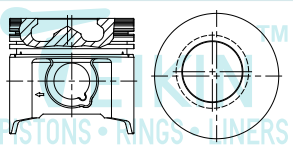


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.030 mm MP: 17.00 mm

39

V2403T — 2434 cc — 4 cyl.

PISTON SET	RINGS	PIN
Ø 87.00	1 - 2.0 HK	Ø 25.000
-16.4	1 - 2.0	TL 64.00
CD 43.50		
TL 80.00	1 - 4.0	
TEIKIN NO. G0601A	TEIKIN NO. G0601	TEIKIN NO. P 42601
REFERENCE NO. 1G924-2111	REFERENCE NO.	



Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.040 mm MP: 16.00 mm

40

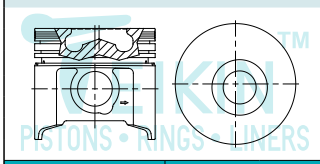
ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

V2403 — 2434 cc — 4 cyl.

Ø	87.00
	-16.7
CD	43.50
TL	80.00

RINGS: 2 - 2.0 / 1 - 4.0

PIN: Ø 25.000 / TL 64.00



TEIKIN NO. (PISTON)	TEIKIN NO. (PIN)
G0602	P 42601

Surface Treatment	Bore Clearance
Moly Skirt	MRC: 0.040 mm MP: 16.00 mm

REFERENCE NO.
1G796-2111
1G861-2113-2

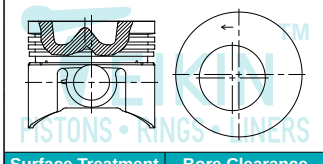
41

RD 85S — 1 cyl.

Ø	88.00
	-16.7
CD	43.20
TL	75.20

RINGS: 1 - 2.5 HK / 2 - 2.0 / 1 - 4.5

PIN: Ø 25.000 / TL 70.00



TEIKIN NO. (PISTON)	TEIKIN NO. (PIN)
G0124	P G0118

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.090 mm MP: 15.50 mm

REFERENCE NO.

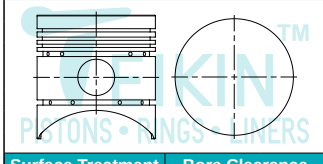
42

GA 90 — ER 65 — 1 cyl.

Ø	90.00
CD	48.28
TL	95.28

RINGS: 3 - 2.5 / 2 - 4.0

PIN: Ø 28.000 / TL 74.00



TEIKIN NO. (PISTON)	TEIKIN NO. (PIN)
G0114	P G0114

Surface Treatment	Bore Clearance
None	MRC: 0.090 mm MP: 23.50 mm

REFERENCE NO.
14301-21112

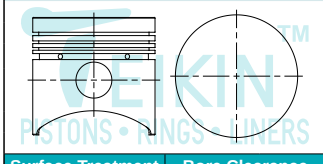
43

KND 105 — 1 cyl.

Ø	92.00
CD	47.00
TL	88.00

RINGS: 1 - 2.5 / 2 - 2.0 / 1 - 4.5

PIN: Ø 27.000 / TL 72.00



TEIKIN NO. (PISTON)	TEIKIN NO. (PIN)
G0107	P 39125

Surface Treatment	Bore Clearance
None	MRC: 0.110 mm MP: 23.00 mm

REFERENCE NO.
14931-2111

44

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

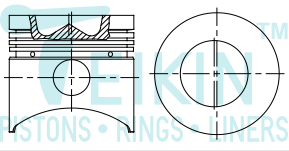
KND 110

1 cyl.

Ø	92.00
	-15.5
CD	47.10
TL	87.90

RINGS: 1 - 2.5 HK; 2 - 2.0; 1 - 4.5

Ø	27.000
TL	72.00



PISTON SET TEIKIN NO.	PIN TEIKIN NO.
G0108	P 39125

REFERENCE NO.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.090 mm MP: 22.50 mm

45

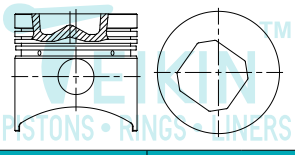
RD 105

1 cyl.

Ø	92.00
	-15.5
CD	47.20
TL	88.20

RINGS: 1 - 2.5 HK; 2 - 2.0; 1 - 4.5

Ø	27.000
TL	72.00



PISTON SET TEIKIN NO.	PIN TEIKIN NO.
G0122	P 39125

REFERENCE NO.

Surface Treatment	Bore Clearance
None	MRC: 0.100 mm MP: 22.80 mm

46

RD 115

RK 125

1 cyl.

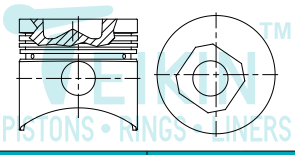
Ø	94.00
	-15.6
CD	47.10
TL	88.20

RINGS: 1 - 2.5 HK; 2 - 2.0; 1 - 4.5

Ø	27.000
TL	72.00

TL	158.0
OD	106.0
FT	10.10 + 0.7
FD	114.0

TEIKIN NO. LKFF G0137



PISTON SET TEIKIN NO.	RINGS TEIKIN NO.	PIN TEIKIN NO.	TEIKIN NO.
G0137	R G0137	P 39125	LFF G0137

Surface Treatment: None

REFERENCE NO.	REFERENCE NO.		REFERENCE NO.
1T061-21110			

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 22.50 mm

47

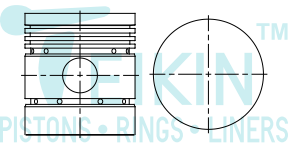
KND 90/120

1 cyl.

Ø	95.00
CD	53.60
TL	105.10

RINGS: 1 - 3.0 HK; 2 - 3.0; 2 - 5.0

Ø	30.000
TL	80.00



PISTON SET TEIKIN NO.	PIN TEIKIN NO.
G0105	P 44654

REFERENCE NO.

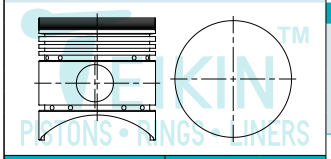
Surface Treatment	Bore Clearance
None	MRC: 0.100 mm MP: 13.00 mm

48

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

KND 180
1 cyl.

Ø 110.00	1 - 3.0 HK	Ø 35.000
	2 - 3.0	TL 95.00
CD 61.30		
TL 115.00	2 - 5.0	



TEIKIN NO.	TEIKIN NO.
G0109	P G0109

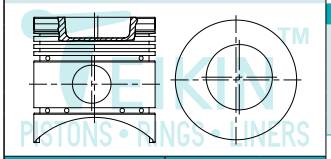
REFERENCE NO.

Surface Treatment	Bore Clearance
None	MRC: 0.100 mm MP: 25.00 mm

49

KND 190
1 cyl.

Ø 110.00	1 - 2.5 HK	Ø 35.000
-19.0	2 - 3.0	TL 95.00
CD 61.20		
TL 115.30	2 - 5.0	



TEIKIN NO.	TEIKIN NO.
G0110	P G0109

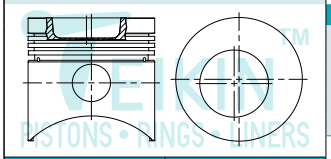
REFERENCE NO.

Surface Treatment	Bore Clearance
None	MRC: 0.120 mm MP: 24.00 mm

50

KND 220
1 cyl.

Ø 116.00	1 - 3.0 HK	Ø 35.000
-19.0	2 - 2.5	TL 95.00
CD 61.25		
TL 115.25	1 - 5.0	



TEIKIN NO.	TEIKIN NO.
G0115	P G0109

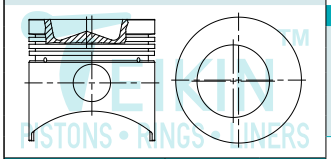
REFERENCE NO.
19129-21110

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.130 mm MP: 30.00 mm

51

KND 250
1 cyl.

Ø 118.00	1 - 3.2 HK	Ø 35.000
-19.6	2 - 2.5	TL 95.00
CD 59.70		
TL 113.80	1 - 5.0	



TEIKIN NO.	TEIKIN NO.
G0117	P G0109

REFERENCE NO.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.170 mm MP: 32.00 mm

52

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

NM45 — **265 cc** — 1 cyl.

Ø	65.00
CD	38.10
TL	67.50

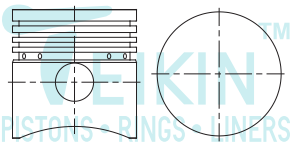
RINGS: 3 - 2.5 / 1 - 4.0

Ø	20.000
TL	52.00



TEIKIN NO.	TEIKIN NO.
G2105	P G2101

REFERENCE NO.: MM 302500



Surface Treatment	Bore Clearance
None	MRC: 0.080 mm MP: 13.00 mm

1

MN55 — 1 cyl.

Ø	68.00
CD	38.00
TL	67.00

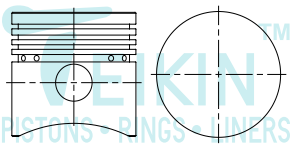
RINGS: 3 - 2.5 / 1 - 4.0

Ø	20.000
TL	52.00



TEIKIN NO.	TEIKIN NO.
G2101	P G2101

REFERENCE NO.:



Surface Treatment	Bore Clearance
None	MRC: 0.070 mm MP: - mm

2

NM75 — **406 cc** — 1 cyl.

Ø	78.00
CD	43.00
TL	80.00

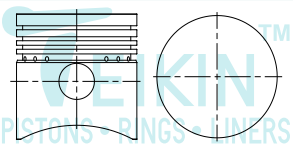
RINGS: 3 - 2.5 / 1 - 4.0

Ø	23.000
TL	65.00



TEIKIN NO.	TEIKIN NO.
G2104	P G2104

REFERENCE NO.: MM 400470



Surface Treatment	Bore Clearance
None	MRC: 0.120 mm MP: 17.00 mm

3

NM90 — **477 cc** — 1 cyl.

Ø	80.00
CD	45.00
TL	84.00

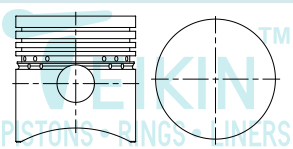
RINGS: 3 - 2.5 / 1 - 4.0

Ø	25.000
TL	67.00



TEIKIN NO.	TEIKIN NO.
G2106	P 39157

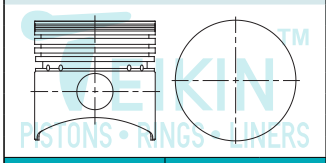
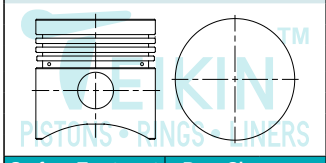
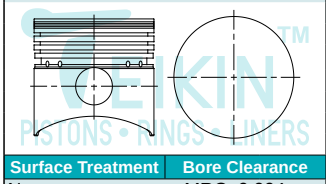
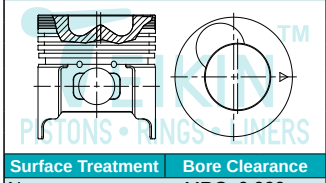
REFERENCE NO.: MM 404575



Surface Treatment	Bore Clearance
None	MRC: 0.120 mm MP: 18.00 mm

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
MN 110 1 cyl.	Ø 88.00 CD 45.20 TL 87.20	3 - 2.5 HK 1 - 4.0	Ø 25.000 TL 67.00				
	TEIKIN NO. G2103		TEIKIN NO. P 39157				
	REFERENCE NO.						
Surface Treatment: None Bore Clearance: MRC: 0.080 mm MP: 25.00 mm							5
MN 240 1 cyl.	Ø 113.00 -21.2 CD 71.00 TL 116.00	1 - 3.0 FK 1 - 2.5 1 - 5.0	Ø 38.000 TL 90.00				
	TEIKIN NO. G2102		TEIKIN NO. P 43102				
	REFERENCE NO. MM 334687						
Surface Treatment: Tin Coated Bore Clearance: MRC: - mm MP: - mm							6

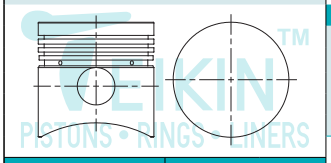
ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
TS 50 1 cyl.	Ø 70.00 CD 40.90 TL 69.00 **TEIKIN NO.** **G1101** **REFERENCE NO.** 105140-22020	3 - 2.0 1 - 4.0	Ø 21.000 TL 59.00 **TEIKIN NO.** **P 45131**				1
 **Surface Treatment**: None **Bore Clearance**: MRC: 0.098 mm MP: 15.20 mm							
TS 50-II 1 cyl.	Ø 70.00 CD 41.00 TL 69.00 **TEIKIN NO.** **G1603** **REFERENCE NO.** 104100-22090	3 - 2.0 1 - 4.0	Ø 21.000 TL 59.00 **TEIKIN NO.** **P 45131**				2
 **Surface Treatment**: None **Bore Clearance**: MRC: 0.090 mm MP: 13.50 mm							
TS 60 1 cyl.	Ø 75.00 CD 41.50 TL 72.00 **TEIKIN NO.** **G1102** **REFERENCE NO.** 105240-22020C	3 - 2.0 1 - 4.0 **TEIKIN NO.** **R G1102** **REFERENCE NO.** 704200-22501	Ø 23.000 TL 63.00 **TEIKIN NO.** **P 51132**				3
 **Surface Treatment**: None **Bore Clearance**: MRC: 0.094 mm MP: 15.50 mm							
TF 55 1 cyl.	Ø 75.00 -13.2 CD 44.80 TL 77.80 **TEIKIN NO.** **G1118** **REFERENCE NO.** 105100-22091	3 - 2.0 1 - 4.0 **TEIKIN NO.** **R G1118** **REFERENCE NO.** 704200-22502	Ø 23.000 TL 60.00 **TEIKIN NO.** **P G1118**		TL 140.5 OD 89.45 FT 8.04 FD 96.4 **TEIKIN NO.** **LFF G1118** **Surface Treatment** None **REFERENCE NO.** 105200-01900		**TEIKIN NO.** **LKFF G1118** 4
 **Surface Treatment**: None **Bore Clearance**: MRC: 0.090 mm MP: 19.00 mm							

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
TS 60-II 1 cyl.	Ø 75.00 CD 41.50 TL 72.00	3 - 2.0 1 - 4.0	Ø 23.000 TL 63.00				
	TEIKIN NO. G1604	TEIKIN NO. R G1102	TEIKIN NO. P 51132				
	REFERENCE NO. 104200-22090	REFERENCE NO. 704200-22501					
Surface Treatment: None; Bore Clearance: MRC: 0.110 mm, MP: 13.50 mm							5
TF 65 1 cyl.	Ø 78.00 -13.7 CD 44.80 TL 77.80	3 - 2.0 1 - 4.0	Ø 23.000 TL 60.00				
	TEIKIN NO. G1111		TEIKIN NO. P G1111				
	REFERENCE NO.						
Surface Treatment: None; Bore Clearance: MRC: 0.110 mm, MP: 19.25 mm							6
TF 65-II 1 cyl.	Ø 78.00 -13.7 CD 44.80 TL 77.80	3 - 2.0 1 - 4.0	Ø 23.000 TL 60.00				
	TEIKIN NO. G1120		TEIKIN NO. P G1118				
	REFERENCE NO.						
Surface Treatment: None; Bore Clearance: MRC: 0.110 mm, MP: 19.25 mm							7
TS 70-II 1 cyl.	Ø 79.90 CD 44.50 TL 80.00	3 - 2.5 1 - 4.0	Ø 26.000 TL 66.00				
	TEIKIN NO. G1605	TEIKIN NO. R G1103	TEIKIN NO. P G1113				
	REFERENCE NO. 104300-22090	REFERENCE NO. 704300-22501					
Surface Treatment: None; Bore Clearance: MRC: 0.040 mm, MP: 17.50 mm							8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

TS 70

1 cyl.



Ø	80.00
CD	44.50
TL	80.00

3 - 2.5

1 - 4.0

Ø	26.000
TL	66.00



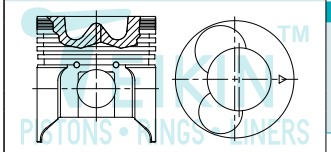
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.
G1103	R G1103	P G1113
REFERENCE NO.	REFERENCE NO.	
10811-22111	704300-22501	

Surface Treatment	Bore Clearance
None	MRC: 0.095 mm MP: 16.25 mm

9

TF 75

1 cyl.



Ø	80.00
	-15.9
CD	49.30
TL	85.80

3 - 2.5

1 - 4.0

Ø	26.000
TL	65.50



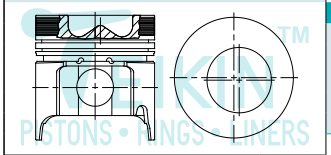
TEIKIN NO.	TEIKIN NO.
G1112	P G1112
REFERENCE NO.	

Surface Treatment	Bore Clearance
None	MRC: 0.110 mm MP: 20.25 mm

10

4D84

1 cyl.



Ø	84.00
	-15.0
CD	50.30
TL	86.80

2 - 2.0

1 - 4.0

Ø	26.000
TL	66.00



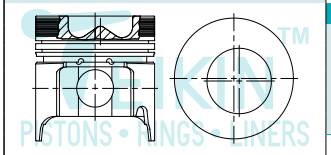
TEIKIN NO.	TEIKIN NO.
G1121-1	P G1113
REFERENCE NO.	

Surface Treatment	Bore Clearance
None	MRC: 0.060 mm MP: 20.00 mm

11

4D84

4 cyl.



Ø	84.00
	-15.0
CD	50.30
TL	86.80

2 - 2.0

1 - 4.0

Ø	26.000
TL	66.00

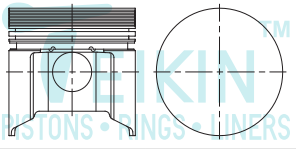


TEIKIN NO.	TEIKIN NO.
G1121	P G1113
REFERENCE NO.	

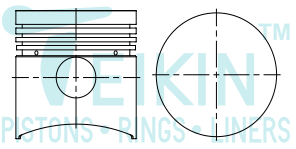
Surface Treatment	Bore Clearance
None	MRC: 0.060 mm MP: 20.00 mm

12

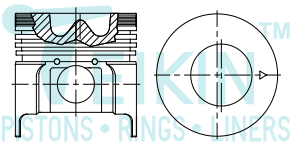
ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
3D84-II 4 cyl.	Ø 84.00 CD 42.00 TL 84.00 **TEIKIN NO.** G1123 **REFERENCE NO.** 129367-22020	2 - 2.0 1 - 4.0	Ø 26.000 TL 66.00 **TEIKIN NO.** P G1113				13
TS 105 1 cyl.	Ø 85.00 CD 46.00 TL 88.00 **TEIKIN NO.** G1104 **REFERENCE NO.** 703438-22020	3 - 2.5 1 - 4.0 **TEIKIN NO.** R G1104 **REFERENCE NO.** 704500-22500	Ø 28.000 TL 71.00 **TEIKIN NO.** P 44684				14
TF 85 1 cyl.	Ø 85.00 -15.9 CD 49.30 TL 85.80 **TEIKIN NO.** G1113 **REFERENCE NO.** 1054002-22020	3 - 2.5 1 - 4.0	Ø 26.000 TL 66.00 **TEIKIN NO.** P G1113				15
TF 85-II 1 cyl.	Ø 85.00 -15.9 CD 49.30 TL 85.80 **TEIKIN NO.** G1115 **REFERENCE NO.** 105400-22090	3 - 2.5 1 - 4.0	Ø 26.000 TL 66.00 **TEIKIN NO.** P G1113		TL 154.0 OD 97.9 FT 9.0 FD 104.0 **TEIKIN NO.** LFF G1115 **Surface Treatment** None **REFERENCE NO.** 705400-01900		**TEIKIN NO.** LKFF G1115 16



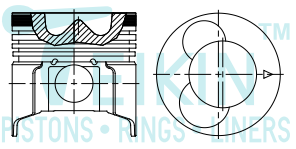
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.130 mm MP: 20.00 mm



Surface Treatment	Bore Clearance
None	MRC: 0.110 mm MP: 18.00 mm



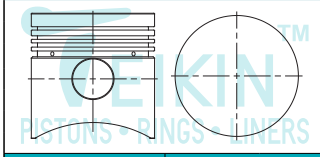
Surface Treatment	Bore Clearance
None	MRC: 0.120 mm MP: 18.00 mm



Surface Treatment	Bore Clearance
None	MRC: 0.120 mm MP: 18.00 mm

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE (LINER)	LINER KIT SET

TS 105-II
1 cyl.

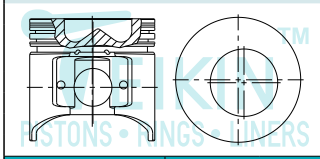


Surface Treatment	Bore Clearance
None	MRC: 0.110 mm MP: 18.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 85.00 CD 46.00 TL 88.00	3 - 2.5 1 - 4.0	Ø 28.000 TL 71.00				
TEIKIN NO. G1601	TEIKIN NO. R G1104	TEIKIN NO. P 44684				
REFERENCE NO. 104500-22090	REFERENCE NO. 704500-22500					

17

4TNE86 2091 cc
4 cyl.

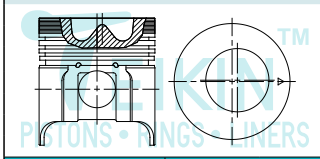


Surface Treatment	Bore Clearance
None	MRC: 0.030 mm MP: 20.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 86.00 -16.1 CD 47.20 TL 84.00	2 - 2.0 1 - 4.0	Ø 26.000 TL 70.00				
TEIKIN NO. G1607		TEIKIN NO. P 32139				
REFERENCE NO. 729486-22090						

18

TF 105
1 cyl.

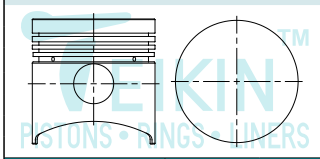


Surface Treatment	Bore Clearance
None	MRC: 0.136 mm MP: 24.00 mm

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 88.00 -17.6 CD 54.25 TL 96.75	3 - 2.5 1 - 4.0	Ø 28.000 TL 70.00				
TEIKIN NO. G1114		TEIKIN NO. P G1114				
REFERENCE NO.						

19

TS 130
1 cyl.



Surface Treatment	Bore Clearance
None	MRC: 0.140 mm MP: 23.65 mm

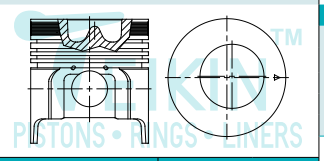
PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE (LINER)	LINER KIT SET
Ø 92.00 CD 48.70 TL 94.00	3 - 2.5 1 - 4.0	Ø 30.000 TL 73.00				
TEIKIN NO. G1105	TEIKIN NO. R G1105	TEIKIN NO. P G1105				
REFERENCE NO. 104620-22021 104600-22091	REFERENCE NO. 704600-22501					

20

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

TF 120 — 638 cc — 1 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 92.00	3 - 2.5	Ø 28.000		TL 170.5		TEIKIN NO.
-17.8		TL 71.00		OD 105.98		LKFF G1606
CD 54.30				FT 9.0		
TL 96.80	1 - 4.0			FD 112.0		
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.		TEIKIN NO.		
G1606	R G1606	P 44684		LFF G1606		
				Surface Treatment		
				None		
REFERENCE NO.	REFERENCE NO.			REFERENCE NO.		

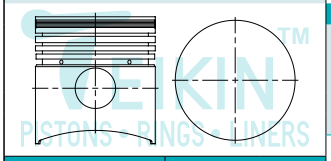


Surface Treatment	Bore Clearance
None	MRC: 0.160 mm MP: 25.00 mm

21

TS 155 — 1 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 95.00	3 - 2.5	Ø 32.000				
		TL 80.00				
CD 56.50						
TL 100.60	1 - 4.5					
TEIKIN NO.	TEIKIN NO.	TEIKIN NO.				
G1106	R G1106	P G1106				
REFERENCE NO.	REFERENCE NO.					
104700-220	704700-22500					
704700-22722						

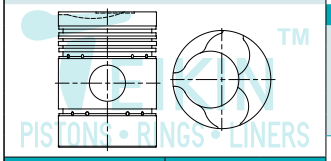


Surface Treatment	Bore Clearance
None	MRC: 0.150 mm MP: 19.00 mm

22

2T — 1 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 95.00	1 - 3.5	Ø 35.000				
-6.3	2 - 2.5	TL 80.00				
CD 69.00						
TL 131.00	2 - 4.5					
TEIKIN NO.		TEIKIN NO.				
G1110		P G1110				
G1110A						
REFERENCE NO.						
123220-22031						

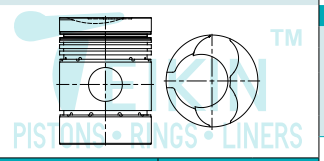


Surface Treatment	Bore Clearance
None	MRC: 0.120 mm MP: 18.00 mm

23

3T — 1 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 95.00	1 - 3.5	Ø 35.000				
-6.1	2 - 2.5	TL 80.00				
CD 69.10						
TL 131.00	2 - 4.5					
TEIKIN NO.		TEIKIN NO.				
G1119A		P G1110				
REFERENCE NO.						



Surface Treatment	Bore Clearance
None	MRC: 0.160 mm MP: 40.00 mm

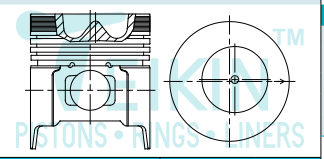
24

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

TF 140

1 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 96.00 -19.5 CD 61.20 TL 108.20	3 - 2.5 1 - 4.5	Ø 32.000 TL 80.00		TL 188.2 OD 116.92 FT 10.0 + 1.2 FD 123.85		TEIKIN NO. LKFF G1122
TEIKIN NO. G1122	TEIKIN NO. R G1122	TEIKIN NO. P G1106		TEIKIN NO. LFF G1122		
REFERENCE NO. 105700-22090	REFERENCE NO.			REFERENCE NO.		



Surface Treatment	Bore Clearance
None	MRC: 0.120 mm MP: 25.00 mm

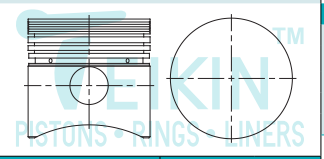
Surface Treatment: None

25

TS 180

1 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 102.00 CD 56.30 TL 100.50	3 - 2.5 1 - 4.5	Ø 32.000 TL 80.00				
TEIKIN NO. G1107	TEIKIN NO. R G1107	TEIKIN NO. P G1106				
REFERENCE NO. 104800-22021	REFERENCE NO. 704800-22501					



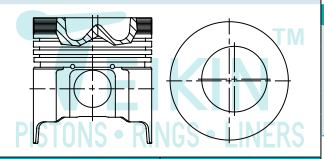
Surface Treatment	Bore Clearance
None	MRC: 0.160 mm MP: 19.60 mm

26

TF 155

1 cyl.

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 102.00 -19.7 CD 61.20 TL 108.20	3 - 2.5 1 - 4.5	Ø 32.000 TL 79.80				
TEIKIN NO. G1116	TEIKIN NO. R G1116	TEIKIN NO. P G1116				
REFERENCE NO. 105800-22090	REFERENCE NO.					



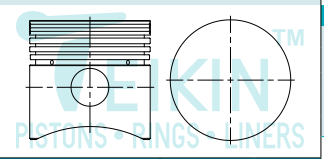
Surface Treatment	Bore Clearance
None	MRC: 0.130 mm MP: 27.00 mm

27

TS 180-II

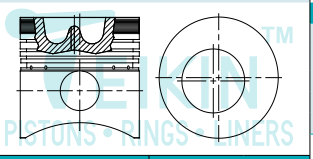
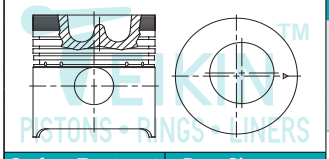
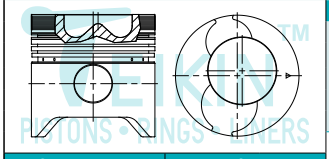
1 cyl.

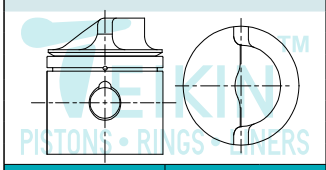
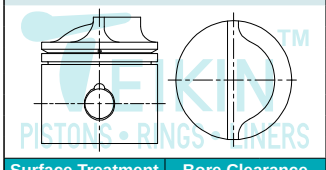
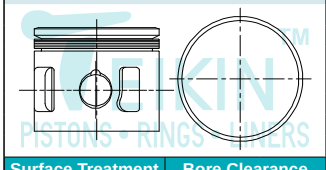
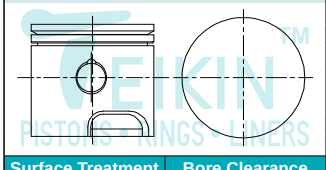
PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 102.00 CD 56.50 TL 100.50	3 - 2.5 1 - 4.5	Ø 32.000 TL 80.80				
TEIKIN NO. G1602	TEIKIN NO. R G1107	TEIKIN NO. P G1602				
REFERENCE NO. 104800-11091	REFERENCE NO. 704800-22501					



Surface Treatment	Bore Clearance
None	MRC: 0.150 mm MP: 19.60 mm

28

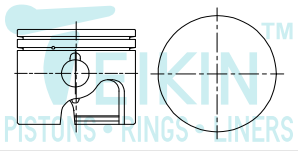
ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
TS 190 1 cyl.	Ø 109.90 -24.0 CD 66.70 TL 109.50	3 - 2.5 1 - 4.5	Ø 36.000 TL 89.50				
	TEIKIN NO. G1108	TEIKIN NO. R G1108	TEIKIN NO. P G1108				
Surface Treatment: None Bore Clearance: MRC: 0.065 mm MP: 19.35 mm	REFERENCE NO. 105890-22020	REFERENCE NO.					29
TS 230 1 cyl.	Ø 112.00 -26.0 CD 68.70 TL 118.00	3 - 2.5 1 - 4.5	Ø 36.000 TL 89.30				
	TEIKIN NO. G1109		TEIKIN NO. P G1109				
Surface Treatment: None Bore Clearance: MRC: 0.180 mm MP: 19.65 mm	REFERENCE NO. 105990-22021						30
TF 300 1 cyl.	Ø 125.00 -23.8 CD 71.50 TL 126.50	3 - 2.5 1 - 5.0	Ø 38.000 TL 98.00				
	TEIKIN NO. G1117 G1117A		TEIKIN NO. P G1117				
Surface Treatment: None Bore Clearance: MRC: 0.170 mm MP: 27.50 mm	REFERENCE NO. 105950-22092						31

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
CROSS FLOW 2.1880” 9.9 - 15 HP — 2 cyl.	Ø 55.58 +14.8 CD 24.90 TL 63.80	1 - 2.0 HK 1 - 1.6	Ø 14.260 TL 46.00				
	TEIKIN NO. M3101		TEIKIN NO. P M3101				
Surface Treatment: Tin Coated Bore Clearance: MRC: 0.080 mm MP: 3.00 mm	REFERENCE NO.						1
CROSS FLOW 3.0000” 20 - 35 HP — 2 cyl.	Ø 76.20 +16.1 CD 39.60 TL 81.00	1 - 2.5 HK 1 - 1.6	Ø 19.050 TL 67.20				
	TEIKIN NO. M3103		TEIKIN NO. P M3102				
Surface Treatment: Tin Coated Bore Clearance: MRC: 0.080 mm MP: 2.00 mm	REFERENCE NO.						2
LOOPER 3.0000” 60 - 75 HP — 3 cyl.	Ø 76.20 CD 38.30 TL 63.40	1 - 2.5 HK 1 - 1.6	Ø 19.050 TL 67.20				
	TEIKIN NO. M3102		TEIKIN NO. P M3102				
Surface Treatment: Tin Coated Bore Clearance: MRC: 0.195 mm MP: 6.50 mm	REFERENCE NO.						3
LOOPER 3.1875” 35 - 60 HP — 2 cyl.	Ø 80.96 CD 36.00 TL 75.50	1 - 2.54 HK 1 - 1.59	Ø 19.050 TL 71.20				
	TEIKIN NO. M3105		TEIKIN NO. P M3104				
Surface Treatment: Tin Coated Bore Clearance: MRC: 0.070 mm MP: 2.00 mm	REFERENCE NO.						4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

LOOPER
50, 60, 65 - 70 HP — 3 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 80.96	2 - 2.0 HK	Ø 19.050				
CD 30.50		TL 71.20				
TL 66.00						
TEIKIN NO. M3104		TEIKIN NO. P M3104				
REFERENCE NO.						

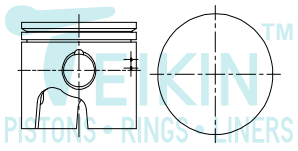


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.105 mm MP: 6.00 mm

5

LOOPER 3.5000”
120 - 300 HP — 4 cyl.
V4

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 88.90	1 - 2.54 HK	Ø 24.000				
	1 - 1.59					
CD 35.30		TL 77.50				
TL 78.30						
TEIKIN NO. M3106P M3106S		TEIKIN NO. P M3106P				
REFERENCE NO.						

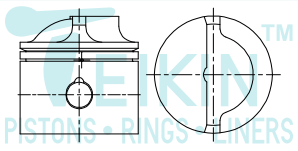


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.090 mm MP: 2.00 mm

6

CROSS FLOW 3.5000”
85 - 300 HP — 4 cyl.
V4

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 88.90 +19.6	1 - 2.54 HK	Ø 19.050				
	1 - 1.59					
CD 39.90		TL 79.20				
TL 89.20						
TEIKIN NO. M3107		TEIKIN NO. P M3107				
REFERENCE NO.						

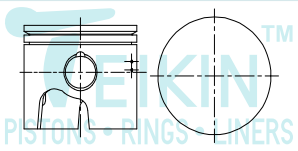


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.095 mm MP: 2.00 mm

7

LOOPER 3.5000”
120 - 300 HP — 6 cyl.
V6

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 88.90	1 - 2.54 HK	Ø 24.000				
	1 - 1.59					
CD 35.30		TL 77.50				
TL 78.30						
TEIKIN NO. M3106P-6 M3106S-6		TEIKIN NO. P M3106P				
REFERENCE NO.						



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.090 mm MP: 2.00 mm

8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

CROSS FLOW 3.5000”

85 - 300 HP
V6
6 cyl.

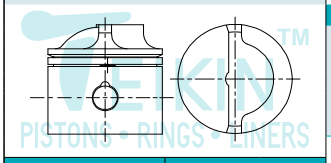
Ø	88.90	+19.6
CD	39.90	
TL	89.20	

RINGS: 1 - 2.54 HK; 1 - 1.59

PIN: Ø 19.050; TL 79.20

TEIKIN NO.	REFERENCE NO.
M3107-6	

PIN TEIKIN NO.: P M3107



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.095 mm MP: 2.00 mm

9

LOOPER 3.5000”

120 - 300 HP
V8
8 cyl.

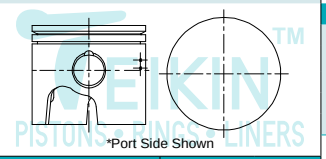
Ø	88.90
CD	35.30
TL	78.30

RINGS: 1 - 2.54 HK; 1 - 1.59

PIN: Ø 24.000; TL 77.50

TEIKIN NO.	REFERENCE NO.
M3106P-8 M3106S-8	

PIN TEIKIN NO.: P M3106P



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.090 mm MP: 2.00 mm

10

3.600”

V4
4 cyl.
60°
90, 105 - 115 HP
150 - 175 HP

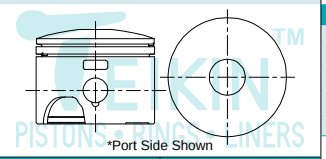
Ø	91.44	+7.0
CD	39.80	
TL	72.60	

RINGS: 2 - 2.0 HK

PIN: Ø 19.050; TL 71.20

TEIKIN NO.	REFERENCE NO.
M3108P M3108S	

PIN TEIKIN NO.: P M3104



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.085 mm MP: 6.50 mm

11

3.600”

V6
6 cyl.
60°
90, 105 - 115 HP
150 - 175 HP

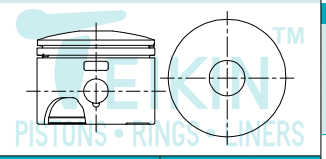
Ø	91.44	+7.0
CD	39.80	
TL	72.60	

RINGS: 2 - 2.0 HK

PIN: Ø 19.050; TL 71.20

TEIKIN NO.	REFERENCE NO.
M3108P-6 M3108S-6	

PIN TEIKIN NO.: P M3104



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.085 mm MP: 6.50 mm

12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

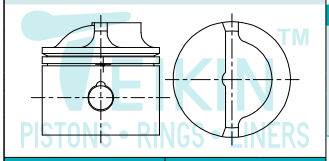
CROSS FLOW 3.6250”

150 - 235 HP — 6 cyl.
V6

Ø 92.07 +19.6
CD 39.90
TL 89.20

RINGS: 1 - 2.54 HK; 1 - 1.59

PIN: Ø 19.050; TL 79.20



TEIKIN NO.	TEIKIN NO.
M3109	P M3107

REFERENCE NO.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.130 mm MP: 2.00 mm

13

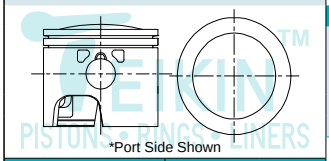
3.685”

1993 - 2000 — 4 cyl.
90°
(Finger Ported) V4
120, 125, 200 - 225 HP

Ø 93.60 +3.9
CD 35.30
TL 81.00

RINGS: 2 - 2.0 HK

PIN: Ø 24.000; TL 77.50


*Port Side Shown

TEIKIN NO.	TEIKIN NO.
M3110P M3110S	P M3106P

REFERENCE NO.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 11.15 mm

14

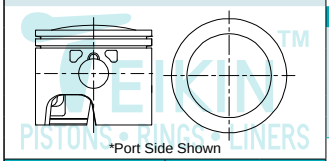
3.685”

1993 - 2000 — 6 cyl.
90°
(Finger Ported) V6
120, 125, 200 - 225 HP

Ø 93.60 +3.9
CD 35.30
TL 81.00

RINGS: 2 - 2.0 HK

PIN: Ø 24.000; TL 77.50


*Port Side Shown

TEIKIN NO.	TEIKIN NO.
M3110P-6 M3110S-6	P M3106P

REFERENCE NO.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 11.15 mm

15

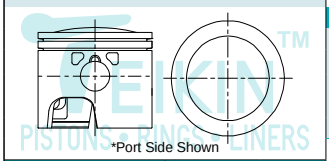
3.685”

1993 - 2000 — 8 cyl.
90°
(Finger Ported) V8
120, 125, 200 - 225 HP

Ø 93.60 +3.9
CD 35.30
TL 81.00

RINGS: 2 - 2.0 HK

PIN: Ø 24.000; TL 77.50


*Port Side Shown

TEIKIN NO.	TEIKIN NO.
M3110P-8 M3110S-8	P M3106P

REFERENCE NO.

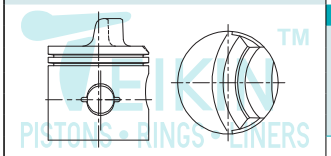
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.080 mm MP: 11.15 mm

16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET

HIGH DOME 2.8750”

35 - 140 HP — 2 cyl.



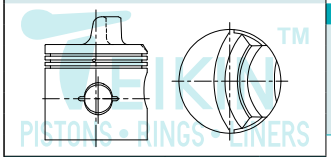
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.085 mm MP: 1.50 mm

Ø 73.03 +19.6	2 - 2.24 HK	Ø 19.550 TL 61.00				
CD 38.00 TL 86.50						
TEIKIN NO. M2103		**TEIKIN NO.** P M2101				
REFERENCE NO.						

1

HIGH DOME 2.8750” -II

35 - 140 HP — 2 cyl.



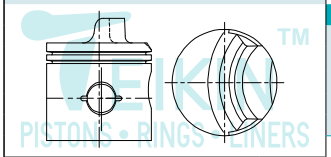
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.085 mm MP: 1.50 mm

Ø 73.03 +19.6	2 - 1.5	Ø 19.550 TL 61.00				
CD 38.00 TL 86.50	1 - 1.5					
TEIKIN NO. M2104		**TEIKIN NO.** P M2101				
REFERENCE NO.						

2

LOW DOME 2.8750”

50 - 150 HP — 3 cyl.



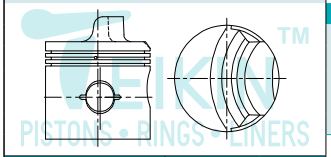
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.085 mm MP: 1.50 mm

Ø 73.03 +17.1	2 - 2.24 HK	Ø 19.550 TL 61.00				
CD 38.00 TL 83.90						
TEIKIN NO. M2101		**TEIKIN NO.** P M2101				
REFERENCE NO.						

3

LOW DOME 2.8750”-II

50 - 150 HP — 3 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.085 mm MP: 1.50 mm

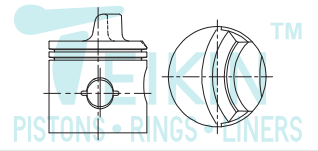
Ø 73.03 +17.1	2 - 1.59	Ø 19.550 TL 61.00				
CD 38.00 TL 83.90	1 - 1.59					
TEIKIN NO. M2102		**TEIKIN NO.** P M2101				
REFERENCE NO.						

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
					LINER			

HIGH DOME 2.8750”
35 - 140 HP — 3 cyl.

PISTON SET	RINGS	PIN	FLANGED	NO FLANGE	LINER KIT SET
Ø 73.03 +19.6 CD 38.00 TL 86.50	2 - 2.24 HK	Ø 19.550 TL 61.00			
TEIKIN NO. M2103-3		TEIKIN NO. P M2101			
REFERENCE NO.					

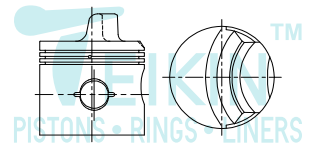


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.085 mm MP: 1.50 mm

5

HIGH DOME 2.8750” -II
35 - 140 HP — 3 cyl.

PISTON SET	RINGS	PIN	FLANGED	NO FLANGE	LINER KIT SET
Ø 73.03 +19.6 CD 38.00 TL 86.50	2 - 1.5 1 - 1.5	Ø 19.550 TL 61.00			
TEIKIN NO. M2104-3		TEIKIN NO. P M2101			
REFERENCE NO.					

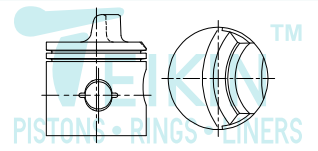


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.085 mm MP: 1.50 mm

6

HIGH DOME 2.8750”
35 - 140 HP — 4 cyl.

PISTON SET	RINGS	PIN	FLANGED	NO FLANGE	LINER KIT SET
Ø 73.03 +19.6 CD 38.00 TL 86.50	2 - 2.24 HK	Ø 19.550 TL 61.00			
TEIKIN NO. M2103-4		TEIKIN NO. P M2101			
REFERENCE NO.					

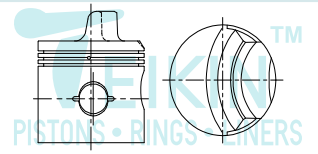


Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.085 mm MP: 1.50 mm

7

HIGH DOME 2.8750” -II
35 - 140 HP — 4 cyl.

PISTON SET	RINGS	PIN	FLANGED	NO FLANGE	LINER KIT SET
Ø 73.03 +19.6 CD 38.00 TL 86.50	2 - 1.5 1 - 1.5	Ø 19.550 TL 61.00			
TEIKIN NO. M2104-4		TEIKIN NO. P M2101			
REFERENCE NO.					



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.085 mm MP: 1.50 mm

8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

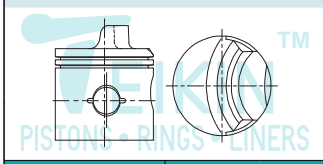
LOW DOME 2.8750”

50 - 150 HP — 6 cyl.

Ø	73.03
	+17.1
CD	38.00
TL	83.90

RINGS: 2 - 2.24 HK

PIN: Ø 19.550, TL 61.00



TEIKIN NO. (PISTON)	TEIKIN NO. (PIN)
M2101-6	P M2101

REFERENCE NO.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.085 mm MP: 1.50 mm

9

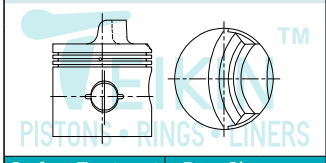
LOW DOME 2.8750”-II

50 - 150 HP — 6 cyl.

Ø	73.03
	+17.1
CD	38.00
TL	83.90

RINGS: 2 - 1.59; 1 - 1.59

PIN: Ø 19.550, TL 61.00



TEIKIN NO. (PISTON)	TEIKIN NO. (PIN)
M2102-6	P M2101

REFERENCE NO.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.085 mm MP: 1.50 mm

10

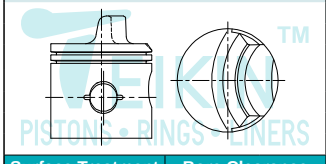
HIGH DOME 2.8750”

35 - 140 HP — 6 cyl.

Ø	73.03
	+19.6
CD	38.00
TL	86.50

RINGS: 2 - 2.24 HK

PIN: Ø 19.550, TL 61.00



TEIKIN NO. (PISTON)	TEIKIN NO. (PIN)
M2103-6	P M2101

REFERENCE NO.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.085 mm MP: 1.50 mm

11

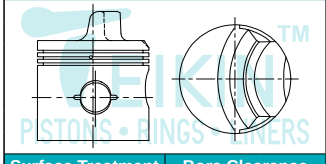
HIGH DOME 2.8750” -II

High Dome 2.8750”
35 - 150 HP — 6 cyl.

Ø	73.03
	+19.6
CD	38.00
TL	86.50

RINGS: 2 - 1.59; 1 - 1.59

PIN: Ø 19.550, TL 61.00



TEIKIN NO. (PISTON)	TEIKIN NO. (PIN)
M2104-6	P M2101

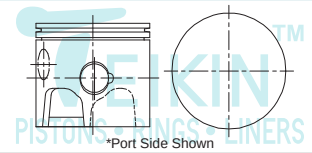
REFERENCE NO.

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.085 mm MP: 1.50 mm

12

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET

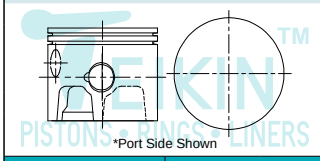
LOOPER 3.1250”
Port / Starboard Side — 6 cyl.
135 - 175 HP
2.0 Liter V6


*Port Side Shown

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.225 mm MP: 22.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 79.38 CD 37.70 TL 71.10	1 - 2.36 HK 1 - 1.59	Ø 19.550 TL 66.80				
TEIKIN NO. M2105P M2105S		TEIKIN NO. P M2105P				
REFERENCE NO.						13

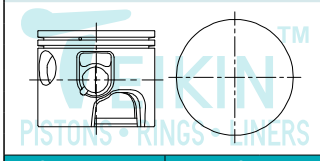
LOOPER 3.3750”
Port / Starboard Side — 6 cyl.
150 - 225 HP
2.4 Liter V6


*Port Side Shown

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.095 mm MP: 14.00 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 85.73 CD 37.70 TL 71.10	2 - 2.36 FK	Ø 19.550 TL 73.80				
TEIKIN NO. M2106P M2106S		TEIKIN NO. P M2106P				
REFERENCE NO.						14

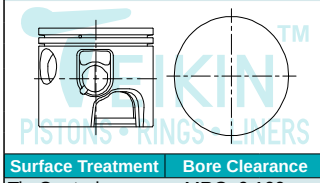
3.5”
75 - 125 HP — 3 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 9.50 mm

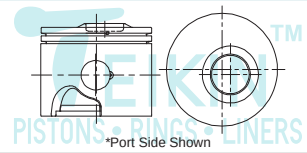
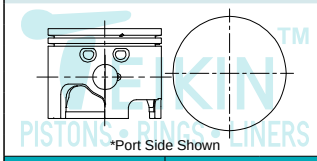
PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 88.90 CD 37.70 TL 73.70	2 - 2.0 HK	Ø 19.550 TL 68.60				
TEIKIN NO. M2109		TEIKIN NO. P M2109				
REFERENCE NO.						15

3.5”
75 - 125 HP — 4 cyl.



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 9.50 mm

PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
Ø 88.90 CD 37.70 TL 73.70	2 - 2.0 HK	Ø 19.550 TL 68.60				
TEIKIN NO. M2109-4		TEIKIN NO. P M2109				
REFERENCE NO.						16

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
OPTIMAX 2.5L Port / Starboard Side 115/135/150 HP V6	**Ø 88.90** +3.0 CD 37.70 TL 72.90	2 - 2.0 HK	Ø 23.310 TL 69.00					
 *Port Side Shown	**TEIKIN NO.** **M2107P** **M2107S**		**TEIKIN NO.** **P M2107P**					
Surface Treatment Tin Coated	**Bore Clearance** MRC: 0.200 mm MP: 13.00 mm	**REFERENCE NO.**						17
2.5L Port / Starboard Side 175/200 HP XR6, MAG III V6	**Ø 88.90** CD 37.70 TL 69.90	2 - 2.0 HK	Ø 19.550 TL 73.80					
 *Port Side Shown	**TEIKIN NO.** **M2108P** **M2108S**		**TEIKIN NO.** **P M2106P**					
Surface Treatment Tin Coated	**Bore Clearance** MRC: 0.145 mm MP: 20.50 mm	**REFERENCE NO.**						18

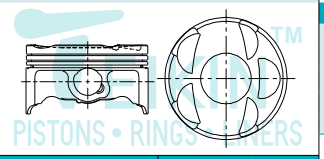
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ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET

WAVE RUNNER VX 110

Wave Runner VX 110 — 4 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 76.00	1 - 0.9	Ø 17.000				
-1.8	1 - 0.8	TL 51.50				
CD 22.80						
TL 42.80	1 - 1.5					
TEIKIN NO. M1106		TEIKIN NO. P M1106				
REFERENCE NO.						



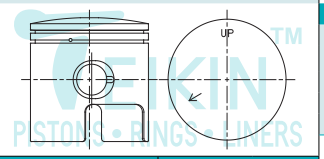
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 5.80 mm

1

MARINE ENGINE

MARINE ENGINE — 1 cyl.

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 78.00	1 - 2.0 HK	Ø 19.900				
+3.9		TL 64.00				
CD 36.10						
TL 79.90	1 - 2.0					
TEIKIN NO. M1101		TEIKIN NO. P M1101				
REFERENCE NO.						



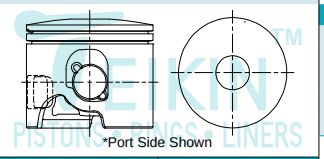
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.050 mm MP: 25.50 mm

2

115/225 HP

PORT / STARBOARD SIDE — 4 cyl.
1993/2003
V4

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 90.00	2 - 2.0 HK	Ø 23.070				
+4.2		TL 65.40				
CD 39.90						
TL 75.70						
TEIKIN NO. M1102P M1102S		TEIKIN NO. P M1102P				
REFERENCE NO. 64D-11642-02-90						


*Port Side Shown

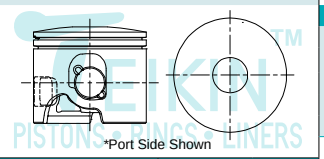
Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 9.50 mm

3

115/225 HP-II

PORT / STARBOARD SIDE — 4 cyl.
1984/1992
V4

PISTON SET	RINGS	PIN	BUSHING	FLANGED	NO FLANGE	LINER KIT SET
Ø 90.00	2 - 2.0 HK	Ø 23.070				
+4.2		TL 65.40				
CD 39.90						
TL 75.70						
TEIKIN NO. M1103P M1103S		TEIKIN NO. P M1102P				
REFERENCE NO. 68F-11642-01-85						

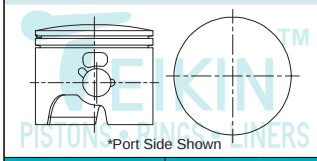

*Port Side Shown

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.160 mm MP: 22.50 mm

4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER FLANGED	LINER NO FLANGE	LINER KIT SET

SPECIAL "J"
PORT / STARBOARD SIDE — 4 cyl.
1984/1992
V4



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 5.00 mm

Ø	90.00
	+4.5
CD	39.90
TL	76.50

TEIKIN NO.: **M1104P**, **M1104S**

REFERENCE NO.: 6G7-11642-00-93

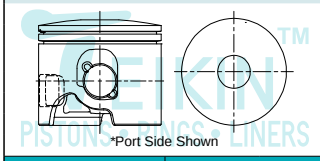
2 - 2.0 HK

Ø	21.500
TL	76.00

TEIKIN NO.: **P M1104P**

5

115/225 HP
PORT / STARBOARD SIDE — 6 cyl.
1993/2004
V6



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.100 mm MP: 9.50 mm

Ø	90.00
	+4.2
CD	39.90
TL	75.70

TEIKIN NO.: **M1102P-6**, **M1102S-6**

REFERENCE NO.: 64D-11642-02-90

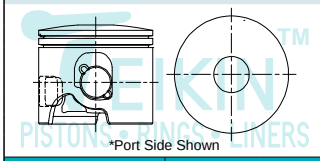
2 - 2.0 HK

Ø	23.070
TL	65.40

TEIKIN NO.: **P M1102P**

6

115/225 HP-II
PORT / STARBOARD SIDE — 6 cyl.
1984/1992
V6



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.160 mm MP: 22.50 mm

Ø	90.00
	+4.2
CD	39.90
TL	75.70

TEIKIN NO.: **M1103P-6**, **M1103S-6**

REFERENCE NO.: 68F-11642-01-85

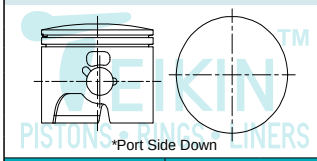
2 - 2.0 HK

Ø	23.070
TL	65.40

TEIKIN NO.: **P M1102P**

7

SPECIAL "J"
PORT / STARBOARD SIDE — 6 cyl.
1984/1992
V6



Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.070 mm MP: 5.00 mm

Ø	90.00
	+4.5
CD	39.90
TL	76.50

TEIKIN NO.: **M1104P-6**, **M1104S-6**

REFERENCE NO.: 6G7-11642-00-93

2 - 2.0 HK

Ø	21.500
TL	76.00

TEIKIN NO.: **P M1104P**

8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
225/250 HP PORT / STARBOARD SIDE **6 cyl.** 76° 1994/2001	**Ø 90.00** -2.0 CD 43.20 TL 87.20	2 - 2.0 HK	Ø 26.000 TL 67.80					
	TEIKIN NO. **M1105P** **M1105S**		**TEIKIN NO.** **P M1105P**					
*Port Side Shown **Surface Treatment**: Tin Coated **Bore Clearance**: MRC: 0.160 mm MP: 13.50 mm	**REFERENCE NO.**							

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING	LINER: FLANGED	LINER: NO FLANGE	LINER KIT SET
58 MM 2R — 1 cyl.	Ø 58.00 +3.8 CD 31.10 TL 57.90	2 - 1.5	Ø 15.000 TL 42.00				
	TEIKIN NO. G6101		TEIKIN NO. P G6101				
	REFERENCE NO.						
Surface Treatment: None — Bore Clearance: MRC: 0.030 mm, MP: 12.50 mm							1
EY-15 — 1 cyl.	Ø 63.00 CD 24.80 TL 52.00	2 - 2.0 1 - 2.8	Ø 14.000 TL 52.00				
	TEIKIN NO. G5101		TEIKIN NO. P G5101				
	REFERENCE NO.						
Surface Treatment: None — Bore Clearance: MRC: - mm, MP: - mm							2
G-200 200 cc — 1 cyl.	Ø 67.00 CD 23.50 TL 56.00	2 - 2.0 1 - 3.0	Ø 15.000 TL 53.50				
	TEIKIN NO. G4101		TEIKIN NO. P G4101				
	REFERENCE NO. 13101-883-03						
Surface Treatment: None — Bore Clearance: MRC: - mm, MP: - mm							3
EY-20 — 1 cyl.	Ø 67.00 CD 25.00 TL 56.00	2 - 2.0 1 - 2.8	Ø 14.000 TL 52.00				
	TEIKIN NO. G5102		TEIKIN NO. P G5101				
	REFERENCE NO.						
Surface Treatment: None — Bore Clearance: MRC: 0.030 mm, MP: 19.50 mm							4

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	NO FLANGE	LINER KIT SET
GX 160 1 cyl.	Ø 68.00 -2.8 CD 23.60 TL 53.50	2 - 1.5 1 - 2.5	Ø 18.000 TL 54.00					
	TEIKIN NO. G4103		TEIKIN NO. P 58107					
	REFERENCE NO. 13101-ZF1-010							
Surface Treatment: None	Bore Clearance: MRC: 0.030 mm MP: 16.00 mm							5
GX 390 1 cyl.	Ø 88.00 -2.1 CD 28.00 TL 66.50	2 - 2.0 1 - 2.8	Ø 20.000 TL 62.00					
	TEIKIN NO. G4102		TEIKIN NO. P 38129					
	REFERENCE NO. 13101-ZF6-W00							
Surface Treatment: None	Bore Clearance: MRC: 0.030 mm MP: 21.00 mm							6
GX 420 1 cyl.	Ø 90.00 -2.1 CD 28.00 TL 66.50	2 - 2.0 1 - 2.8	Ø 20.000 TL 61.00					
	TEIKIN NO. G4104	TEIKIN NO. R G4104	TEIKIN NO. P 46310					
	REFERENCE NO.	REFERENCE NO.						
Surface Treatment: None	Bore Clearance: MRC: 0.030 mm MP: 22.50 mm							7
95MM 5R 1 cyl.	Ø 95.00 -3.2 CD 60.00 TL 109.90	3 - 3.0 2 - 6.0	Ø 35.000 TL 80.00					
	TEIKIN NO. G3101		TEIKIN NO. P G1110					
	REFERENCE NO.							
Surface Treatment: None	Bore Clearance: MRC: 0.150 mm MP: 29.00 mm							8

ENGINE TYPE	PISTON SET	RINGS	PIN	BUSHING		FLANGED	LINER	NO FLANGE	LINER KIT SET

95MM 4R

1 cyl.

Ø 95.00	3 - 3.0	Ø 35.000						
-2.8		TL 80.00						
CD 60.12								
TL 110.35	1 - 6.0							
TEIKIN NO.		**TEIKIN NO.**						
G3105		**P G1110**						
REFERENCE NO.								

Surface Treatment	Bore Clearance
None	MRC: 0.150 mm MP: 16.35 mm

9

1100 MM

1 cyl.

Ø 100.00	3 - 2.5	Ø 35.000						
-2.4		TL 80.00						
CD 60.20								
TL 102.00	1 - 5.0							
TEIKIN NO.		**TEIKIN NO.**						
G3104		**P G1110**						
REFERENCE NO.								

Surface Treatment	Bore Clearance
None	MRC: 0.150 mm MP: 18.30 mm

10

1110 MM

1 cyl.

Ø 109.90	3 - 2.5	Ø 36.000						
-20.7		TL 94.00						
CD 65.10								
TL 109.85	1 - 5.0							
TEIKIN NO.		**TEIKIN NO.**						
G3106		**P G3106**						
REFERENCE NO.								

Surface Treatment	Bore Clearance
Tin Coated	MRC: 0.120 mm MP: 20.00 mm

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LIST OF NEW MODELS SINCE VOL.19

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LIST OF NEW MODELS SINCE VOL.19

TEIKIN NO.	ENGINE MODEL		BORE Ø (MM)	PAGE	BOX NO.
30116	CHEVROLET	SPARK 1.25 L	70.50	8	3
30117	CHEVROLET	CAPTIVA 3.0 L	89.00	13	22
30128	CHEVROLET	NEW OPTRA	74.70	9	7
30129	CHEVROLET	SPARK 1.0	68.50	8	1
30130AG	CHEVROLET	S10 ALFIN GALLERY	94.00	14	23
31132	CHRYSLER	1.8L	86.00	15	1
31133	CHRYSLER	3.3L	93.00	17	9
31134	CHRYSLER	3.6L	96.00	18	14
31135	CHRYSLER	5.7L	99.50	19	18
32152	DAIHATSU	3NR-VE	72.50	25	15
32153	DAIHATSU	1KR-DE / 1KR-VE	71.00	23	7
32154	DAIHATSU	KF-DET	63.00	22	2
32155	DAIHATSU	KF-VE-II	63.00	22	3
34139	FIAT	DOBLO 1.4L	72.00	33	15
34140	FIAT	1.6L	80.50	35	23
35207	FORD	3.7 LTS	95.50	47	35
35208	FORD	2.8 LTS	93.00	46	30
35210	FORD	MOT 2.3L	96.01	48	37
35211	FORD	FIESTA 1.6L DURATEC Ti-VCT	79.00	40	7
35212	FORD	1.6L	82.05	41	12
35213	FORD	2.5L-II	89.00	43	19
35214	FORD	6.2L	102.00	48	40
35215	FORD	2.0L ECOBOOST	87.50	43	18
58124	GENERAL MOTORS	VENTURE 3.4	92.00	57	21
58125	GENERAL MOTORS	3.1L	89.00	56	19
58126	GENERAL MOTORS	LY7	94.00	57	24
58127A	GENERAL MOTORS	LYX 1.5L TURBO ALFIN	74.00	53	7
58128AG	GENERAL MOTORS	LWN 2.8L VGT ALFIN GALLERY	94.00	61	35
58129	GENERAL MOTORS	3.9L	99.00	59	29
58130	GENERAL MOTORS	CRUZE	79.00	54	9
58131	GENERAL MOTORS	2.0L	86.00	55	15
58132	GENERAL MOTORS	4.2L	93.00	57	22
58133	GENERAL MOTORS	1.4L TURBO	72.50	53	6
58134	GENERAL MOTORS	4.8L-II	96.01	58	28
58135	GENERAL MOTORS	ESCALADE	103.25	60	33
58136	GENERAL MOTORS	N18XFH	80.50	54	11
58138	GENERAL MOTORS	VORTEC VIN 6	101.60	59	32
58139	GENERAL MOTORS	1.2L	69.70	52	1
38207	HONDA	D16W7	75.00	78	29
38208	HONDA	R16A	81.00	82	45
38210	HONDA	L15B7	73.00	72	8
51154AG	HYUNDAI	D4FB ALFIN GALLERY	77.20	109	61

LIST OF NEW MODELS SINCE VOL.19

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TEIKIN NO.	ENGINE MODEL		BORE Ø (MM)	PAGE	BOX NO.
51155	HYUNDAI	G4FJ	77.00	99	24
51156	HYUNDAI	KAPPA 1.25 MPI	71.00	95	6
51157	HYUNDAI	G4LA-II	71.00	95	7
51158AG	HYUNDAI	i10 GRAND ALFIN GALLERY	75.00	109	58
51159	HYUNDAI	G4FA-II	77.00	100	25
51160	HYUNDAI	G4NC	81.00	101	32
51161	HYUNDAI	G4KC	88.00	106	49
51162G	HYUNDAI	G4LE GALLERY	72.00	96	12
51163AG	HYUNDAI	D4HA ALFIN GALLERY	84.00	110	64
51164	HYUNDAI	G4KJ 2.4 GDI	88.00	106	50
51165A	HYUNDAI	G4KH ALFIN	86.00	104	43
51166	HYUNDAI	G4LC	72.00	97	13
51167A	HYUNDAI	1.6L GDI ALFIN	77.00	100	26
51168	HYUNDAI	G6DB-III	92.00	107	55
39181A-6	ISUZU	6HF1 ALFIN	112.00	139	99
39187A-6	ISUZU	6HF1-II ALFIN	112.00	139	100
39243	ISUZU	6VD1-IV	93.40	120	29
39244AG	ISUZU	4HK1-TC ALFIN GALLERY	115.00	139	101
39245AG	ISUZU	4JK1-TCS/ 4JK1-TCX ALFIN GALLERY	95.40	128	57
39664AG-6	ISUZU	6HE1-TC ALFIN GALLERY	110.00	137	94
39683AG	ISUZU	6HE1-T-II ALFIN GALLERY	110.00	138	95
39684	ISUZU	C 2.2	88.00	126	47
64101A-1	KOMATSU	S6D95 ALFIN	95.00	152	1
64101A	KOMATSU	S6D95 ALFIN	95.00	152	3
64102A-1	KOMATSU	S6D102 ALFIN	102.00	152	4
64102A	KOMATSU	S6D102 ALFIN	102.00	153	5
42225	MAZDA	SKYACTIV-G-II	83.50	171	46
43300AG	MITSUBISHI	4D56T CRDi-II ALFIN GALLERY	91.10	213	93
43301AG	MITSUBISHI	4N15 ALFIN GALLERY	86.00	211	87
43302	MITSUBISHI	4G18-II	76.00	195	23
43303	MITSUBISHI	4A91 MIVEC	75.00	193	15
43304AG	MITSUBISHI	4N15-II ALFIN GALLERY	86.00	212	88
43305AG	MITSUBISHI	6M60 ALFIN GALLERY	118.00	228	153
43306G	MITSUBISHI	4B40 GALLERY	75.00	193	16
44347-4	NISSAN	TB45DE/TB48DE	99.50	259	115
44360	NISSAN	VQ35DE-III	95.50	258	111
44361	NISSAN	HR16DE-II	78.00	241	43
44362G	NISSAN	MR16DDT GALLERY	79.70	242	48
44363AG	NISSAN	R9M ALFIN GALLERY	80.00	260	118
44364AG	NISSAN	YD25DDTi-II ALFIN GALLERY	89.00	266	141
44365	NISSAN	HR16DE-III	78.00	241	44
44366	NISSAN	VK56VD	98.00	259	113
44696AG	NISSAN	RD28TI NEW ALFIN GALLERY	85.00	263	131

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LIST OF NEW MODELS SINCE VOL.19

TEIKIN NO.	ENGINE MODEL		BORE Ø (MM)	PAGE	BOX NO.
67104	PEUGEOT	1.6L	78.50	287	4
67106	PEUGEOT	TU5JP4	78.50	288	5
67107	PEUGEOT	EW10A	85.00	288	7
67108	PEUGEOT	EP6C	77.00	287	2
67110	PEUGEOT	EP6	77.00	287	3
70106	RENAULT	2.0L-III	82.70	291	9
70108	RENAULT	K4J	79.50	289	3
70109	RENAULT	K7M-III	79.50	289	4
55110	SUBARU	FB20	84.00	294	3
55111	SUBARU	FB20-II	84.00	294	4
45156	SUZUKI	K15B	74.00	304	22
45157	SUZUKI	M16A	78.00	308	39
45158	SUZUKI	K15B-C	74.00	304	23
45159AG	SUZUKI	D13A ALFIN GALLERY	69.60	312	53
45160	SUZUKI	K12M	73.00	302	15
45162	SUZUKI	K12B	73.00	302	16
45163	SUZUKI	K12B-II	73.00	303	17
46363-4	TOYOTA	2GR-FE	94.00	351	138
46394	TOYOTA	2NR-FE	72.50	319	12
46395	TOYOTA	2UZ-FE-II	94.00	354	150
46396	TOYOTA	2GR-FSE	94.00	352	144
46397	TOYOTA	3GR-FSE	87.50	345	115
46398	TOYOTA	2ZR-FXE	80.50	330	53
46399	TOYOTA	1UR-FE	94.00	354	151
46400	TOYOTA	2AR-FXE	90.00	348	127
46401	TOYOTA	3UZ-FE	91.00	349	132
46402	TOYOTA	1ZR-FBE	80.50	330	54
46403	TOYOTA	2ZR-FBE	80.50	330	55
46404	TOYOTA	2GR-FKS	94.00	353	145
46405A	TOYOTA	8AR-FTS ALFIN	86.00	341	100
46406	TOYOTA	2NR-FE-II	72.50	320	13
46407	TOYOTA	3ZR-FE-III	80.50	330	56
46408	TOYOTA	2ZR-FXE-II	80.50	331	57
46693	TOYOTA	2AR-FE	90.00	348	128
46703	TOYOTA	1GR-FE-II	94.00	353	147
48221	VOLKSWAGEN	1.4 TURBO	76.51	382	14
48222AG	VOLKSWAGEN	2.0 LT TDI ALFIN GALLERY	81.00	392	52
48223	VOLKSWAGEN	2.8L	81.00	384	24
48224	VOLKSWAGEN	AAF	81.00	384	23
48225	VOLKSWAGEN	AMX	82.50	388	39
48226AG	VOLKSWAGEN	AXB TURBO ALFIN GALLERY	79.50	390	46
48227A	VOLKSWAGEN	BJK TURBO ALFIN	81.00	392	53
48228	VOLKSWAGEN	CAXA	76.51	382	15

LIST OF NEW MODELS SINCE VOL.19

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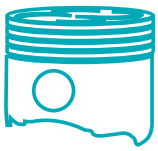
TEIKIN NO.	ENGINE MODEL		BORE Ø (MM)	PAGE	BOX NO.
48229	VOLKSWAGEN	CZCA	74.51	380	8
48230	VOLKSWAGEN	CBZB	71.01	380	6
48231	VOLKSWAGEN	CZDA	74.50	380	7
48232A	VOLKSWAGEN	CDAB ALFIN	82.51	389	41
48233A	VOLKSWAGEN	CZPA ALFIN	82.50	387	34
G0135-1	KUBOTA	4D78	78.00	399	13
G0135	KUBOTA	4D78	78.00	399	14
G0136-1	KUBOTA	4D85	85.00	403	31
G0136	KUBOTA	4D85	85.00	403	32
G0137	KUBOTA	RD 115	94.00	407	47
G0600A-1	KUBOTA	D1503 ALFIN	83.00	402	25
G0600A	KUBOTA	D1503 ALFIN	83.00	402	26
G0601A-1	KUBOTA	V2403T ALFIN	87.00	405	37
G0601A	KUBOTA	V2403T ALFIN	87.00	405	40
G0602	KUBOTA	V2403	87.00	406	41
G1607	YANMAR	4TNE86	86.00	415	18

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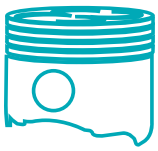
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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
28101	BED FORD	330, J6, 103	6	103.18	5	1
28107	BED FORD	107	6	107.21	5	4
28108	BED FORD	104	6	104.78	5	3
28109	BED FORD	103-II CNG APPLICATION	6	103.18	5	2
29106A	MERCEDES BENZ	OM - 355 ALFIN	6	128.00	189	13
29110A	MERCEDES BENZ	911, OM - 352 ALFIN	6	97.00	189	12
29116	MERCEDES BENZ	M115.952 / 955	4	93.75	186	4
29117	MERCEDES BENZ	M115.951 / 954	4	93.75	187	5
29118A	MERCEDES BENZ	240D ALFIN	4	90.90	188	11
29119	MERCEDES BENZ	M102.945	4	95.50	187	6
29120	MERCEDES BENZ	M115.923	4	87.00	186	1
29121	MERCEDES BENZ	M102.980	4	95.50	187	7
29601	MERCEDES BENZ	M102 E20/V20	4	89.00	186	2
29602A	MERCEDES BENZ	OM 661 ALFIN	4	89.00	188	9
29603A	MERCEDES BENZ	OM 601 ALFIN	4	87.00	188	8
29604AG	MERCEDES BENZ	OM 602 TURBO ALFIN GALLERY	5	89.00	188	10
29605	MERCEDES BENZ	M272	6	92.90	186	3
30104	CHEVROLET	AVEO	4	76.50	10	9
30105	CHEVROLET	AVEO-II	4	79.00	10	12
30106	CHEVROLET	OPTRA 1.8L	4	81.60	11	16
30107	CHEVROLET	AVEO-III	4	77.90	10	11
30109	CHEVROLET	SPARK GT 1.2	4	69.70	8	2
30110	CHEVROLET	SAIL 1.4L	4	73.80	9	5
30111	CHEVROLET	CAPTIVA 2.4L	4	87.50	12	17
30111-6	CHEVROLET	CAPTIVA 3.6L	6	87.50	12	19
30112	CHEVROLET	CRUZE 1.8L	4	80.50	11	14
30113	CHEVROLET	CAPTIVA 3.2	6	89.00	13	21
30114	CHEVROLET	SPIN 1.5	4	74.71	9	8
30115	CHEVROLET	ONIX 1.4L NF 8V	4	77.60	10	10
30116	CHEVROLET	SPARK 1.25 L	4	70.50	8	3
30117	CHEVROLET	CAPTIVA 3.0 L	6	89.00	13	22
30118	CHEVROLET	CAPTIVA SPORT 2.4L	4	88.00	12	20
30119	CHEVROLET	SONIC 1.6L	4	79.00	11	13
30120	CHEVROLET	TRACKER 1.8L	4	80.50	11	15
30121	CHEVROLET	A14XER	4	73.40	8	4
30122	CHEVROLET	DIMAX 2.4L	4	87.50	12	18
30123	CHEVROLET	SAIL 1.5L	4	74.70	9	6
30128	CHEVROLET	NEW OPTRA	4	74.70	9	7
30129	CHEVROLET	SPARK 1.0	4	68.50	8	1
30130AG	CHEVROLET	S10 ALFIN GALLERY	4	94.00	14	23
31115	CHRYSLER	2.5 L	4	87.50	15	3
31116	CHRYSLER	2.4 L	4	87.50	15	4
31117	CHRYSLER	2.7 L	6	86.00	15	2
31118	CHRYSLER	EDZ	4	87.50	16	5
31119	CHRYSLER	MOT. 232	6	96.00	17	11

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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
31120	CHRYSLER	MOT. 201	6	93.00	16	7
31121	CHRYSLER	EGH	6	96.00	17	12
31122	CHRYSLER	EGJ	6	96.00	18	13
31124	CHRYSLER	153	4	98.43	18	15
31125	CHRYSLER	2.5L-II (153)	4	87.50	16	6
31127	CHRYSLER	3.9L (239)	6	99.31	18	16
31129	CHRYSLER	370 CID	8	103.00	19	19
31130-6	CHRYSLER	POWER TECH 3.7	6	93.00	16	8
31130	CHRYSLER	POWER TECH 4.7	8	93.00	17	10
31131	CHRYSLER	HEMI 5.7	8	99.50	19	17
31132	CHRYSLER	1.8L	4	86.00	15	1
31133	CHRYSLER	3.3L	6	93.00	17	9
31134	CHRYSLER	3.6L	6	96.00	18	14
31135	CHRYSLER	5.7L	8	99.50	19	18
32102	DAIHATSU	DG	4	88.00	27	23
32103	DAIHATSU	DG OLD-4R	4	88.00	27	24
32106	DAIHATSU	S-38P (NEW)	2	62.00	22	1
32110	DAIHATSU	S-10P	2	71.60	23	8
32117	DAIHATSU	G11	3	76.00	25	16
32120A	DAIHATSU	CL ALFIN	3	76.00	27	21
32124	DAIHATSU	S75	3	76.00	26	17
32125	DAIHATSU	S89	4	76.00	26	18
32126	DAIHATSU	DL	4	92.00	28	26
32127	DAIHATSU	DL NEW-28	4	92.00	28	27
32128A	DAIHATSU	DL NEW-26 ALFIN	4	92.00	28	28
32139	DAIHATSU	DV26 5R	4	88.00	28	25
32142	DAIHATSU	HD	4	76.00	26	19
32144	DAIHATSU	K3-DE	4	72.00	24	12
32145	DAIHATSU	S89-II	4	76.00	26	20
32146	DAIHATSU	KANCIL 850 CC NEW	3	66.60	22	4
32147	DAIHATSU	KELISA 1000 CC	3	72.00	24	9
32150	DAIHATSU	EF	3	68.00	23	5
32151	DAIHATSU	EJ-VE-II	3	72.00	24	10
32152	DAIHATSU	3NR-VE	4	72.50	25	15
32153	DAIHATSU	1KR-DE / 1KR-VE	3	71.00	23	7
32154	DAIHATSU	KF-DET	3	63.00	22	2
32155	DAIHATSU	KF-VE-II	3	63.00	22	3
32601	DAIHATSU	CD	3	70.00	23	6
32602A	DAIHATSU	CL-T ALFIN	3	76.00	27	22
32605	DAIHATSU	EJ-DE / EJ-VE	3	72.00	24	11
32606	DAIHATSU	K3-VE-II	4	72.00	25	13
32607	DAIHATSU	K3-VE-III	4	72.00	25	14
33101	CHERRY	TIGGO	4	81.00	7	1
34101	FIAT	103H, 105, 103	4	67.80	30	1
34102	FIAT	103G, 1100D	4	71.85	32	11

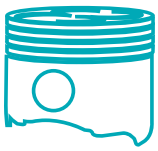
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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
34103	FIAT	125, 125A	4	80.00	34	17
34109	FIAT	1300	4	72.00	32	12
34113	FIAT	124S	4	80.00	34	18
34118	FIAT	TRACTOR 300, 350, 355	4	100.00	37	28
34119	FIAT	160 A3.000	4	70.00	30	2
34120	FIAT	160 A1.00	4	80.50	34	20
34121	FIAT	UNO 1100	4	70.00	30	3
34122	FIAT	FIRE 16V	4	70.00	30	4
34123	FIAT	FIRE 8V	4	70.00	31	5
34124	FIAT	FIRE FLEX 8V	4	70.00	31	6
34125	FIAT	FIRE 1.3L 8V	4	70.80	31	8
34126	FIAT	FIRE 1.3L 16V	4	70.80	32	9
34127	FIAT	FIRE FLEX 1.3L 8V	4	70.80	32	10
34128	FIAT	FIRE FLEX 1.4L 8V	4	72.00	33	13
34129A-3	FIAT	PALIO 1.3L JTD ALFIN	3	69.60	37	26
34129A	FIAT	PALIO 1.3L JTD ALFIN	4	69.60	37	27
34130	FIAT	SHAHEN	4	80.50	35	21
34131	FIAT	TEMPRA 1600 TWO	4	86.40	35	24
34132	FIAT	1.6L MOTOR E-TORQUE	4	77.00	33	16
34133	FIAT	1.4L 8V EVO LF	4	72.00	33	14
34134	FIAT	1.8L 16V MOTOR E-TORQUE	4	80.50	35	22
34135	FIAT	REGATA 100S	4	86.40	36	25
34136	FIAT	128-II	4	80.00	34	19
34137A	FIAT	115 ALFIN	4	115.00	37	29
34137A-6	FIAT	115 ALFIN	6	115.00	38	30
34138	FIAT	UNO-II	4	70.00	31	7
34139	FIAT	DOBLO 1.4L	4	72.00	33	15
34140	FIAT	1.6L	4	80.50	35	23
35101	FORD	THAMES TRADER	6	100.00	50	47
35102	FORD	2402 E	6	93.65	50	45
35165	FORD	751M, BG2C	4	80.99	41	10
35166	FORD	V6ESSEX	6	93.65	46	32
35167	FORD	V6ESSEX	6	93.65	47	33
35168-4	FORD	V4	4	93.65	46	31
35168	FORD	V6	6	93.65	47	34
35169	FORD	P-764	4	89.32	43	20
35170	FORD	CVH-LUC	4	79.96	40	8
35171	FORD	CVH, FUA, F6B, FU	4	77.25	39	3
35172	FORD	KOLN 2V (T88)	4	90.82	45	27
35173	FORD	CVH, JPA, JPC	4	79.96	41	9
35174	FORD	281	8	90.20	44	21
35177	FORD	ZETEC	4	84.80	42	13
35178	FORD	MOT. 1.9 Lt	4	82.00	41	11
35179	FORD	VIN 3 ZETEC	4	84.80	42	14
35180	FORD	2.0 L	4	84.80	42	15
35181	FORD	AODA/B,CJBA/B,N4JB	4	87.50	43	17
35182	FORD	238	6	96.80	48	38

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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
35183	FORD	140	4	96.00	47	36
35190	FORD	5.4L (330)	8	90.20	44	22
35191	FORD	CVH 2.0	4	84.86	42	16
35192	FORD	E SERIES	8	90.20	44	23
35193	FORD	E SERIES-II	8	90.20	44	24
35194	FORD	TRITON	8	90.20	45	25
35195A	FORD	FIESTA ALFIN	4	73.70	49	41
35196	FORD	1.6 NF	4	79.00	39	4
35197	FORD	1.6 NF-II	4	79.00	40	5
35198	FORD	4.2L	6	96.80	48	39
35199	FORD	1.4 DURATEC	4	76.00	39	2
35200	FORD	1.6 DURATEC TI-VCT	4	79.00	40	6
35201AG	FORD	2.2L DURATORQ TDCI ALFIN GALLERY	4	86.00	49	42
35202AG	FORD	2.4L DURATORQ TDCI ALFIN GALLERY	4	89.90	49	43
35203AG	FORD	3.2L DURATORQ TDCI ALFIN GALLERY	5	89.90	50	44
35204	FORD	4.6L	8	90.25	45	26
35205	FORD	5.0L	8	92.20	45	28
35206	FORD	5.0L-II	8	92.20	46	29
35207	FORD	3.7 LTS	6	95.50	47	35
35208	FORD	2.8 LTS	6	93.00	46	30
35210	FORD	MOT 2.3L	4	96.01	48	37
35211	FORD	FIESTA 1.6L DURATEC Ti-VCT	4	79.00	40	7
35212	FORD	1.6L	4	82.05	41	12
35213	FORD	2.5L-II	4	89.00	43	19
35214	FORD	6.2L	8	102.00	48	40
35215	FORD	2.0L ECOBOOST	4	87.50	43	18
35600	FORD	JLB	4	74.00	39	1
35601A	FORD	4A B/ BA / BB / CA / FA ALFIN	4	93.67	50	46
36101	HINO	DM-100	6	90.00	62	1
36111A	HINO	EH-100 ALFIN	6	105.00	64	9
36112	HINO	ED-100	6	128.00	68	28
36113A	HINO	EH-700 ALFIN	6	110.00	65	15
36124A	HINO	H07C NEW ALFIN	6	110.00	65	16
36125A	HINO	H07C OLD ALFIN	6	110.00	66	17
36127A	HINO	H07D ALFIN	6	110.00	66	18
36128A	HINO	EM 100 ALFIN	6	124.00	68	27
36129AG	HINO	H07C-T ALFIN GALLERY	6	110.00	66	19
36133A	HINO	H06CTI/CTL-II ALFIN	6	108.00	64	11
36135A	HINO	H06CTE ALFIN	6	108.00	64	12
36136A	HINO	H06CTB ALFIN	6	108.00	65	13
36137AG	HINO	H06CTI/CTL-III ALFIN GALLERY	6	108.00	65	14
36601A	HINO	EB300 ALFIN	6	120.00	68	26
36603A	HINO	EC100 ALFIN	6	97.00	62	2
36650A	HINO	EK100 ALFIN	6	137.00	69	29
36651A	HINO	W06D ALFIN	6	104.00	63	6
36652A	HINO	H06BT ALFIN	6	105.80	64	10
36653A	HINO	W04D ALFIN	4	104.00	62	3

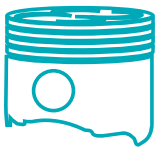
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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
36654A	HINO	EF750 ALFIN	8	137.00	69	30
36655AG	HINO	H07C-T-II ALFIN GALLERY	6	110.00	66	20
36656A	HINO	W06E ALFIN	6	104.00	63	7
36657A	HINO	J05C ALFIN	4	114.00	67	21
36657A-6	HINO	J08C ALFIN	6	114.00	67	24
36658A	HINO	W04D LATE ALFIN	4	104.00	62	4
36659AG-4	HINO	J05C-T ALFIN GALLERY	4	114.00	67	22
36659AG-5	HINO	J07C-T ALFIN GALLERY	5	114.00	67	23
36659AG	HINO	J08C-T ALFIN GALLERY	6	114.00	68	25
36660A	HINO	W04CT ALFIN	4	104.00	63	5
36661A	HINO	W06DT ALFIN	6	104.00	63	8
37116	HOLDEN	202	6	92.08	70	1
38109	HONDA	EN	4	72.00	71	1
38112	HONDA	ED1	4	74.00	73	10
38114	HONDA	EK-1	4	77.00	79	35
38129	HONDA	BS / A20A1	4	82.70	83	51
38145	HONDA	D15B2 / D15B1	4	75.00	75	17
38146	HONDA	D16A6, ZC	4	75.00	75	18
38147	HONDA	EJ	4	72.00	71	2
38148	HONDA	B21A1	4	83.00	84	53
38149	HONDA	D16Z6	4	75.00	75	19
38150	HONDA	F18A	4	85.00	84	56
38151	HONDA	B18C1	4	81.00	81	41
38152	HONDA	B18B1	4	81.00	81	42
38153	HONDA	D16Y8	4	75.00	75	20
38154	HONDA	B20B4	4	84.00	84	54
38155	HONDA	B16A2	4	81.00	81	43
38156	HONDA	H22A1	4	87.00	87	65
38157	HONDA	H22A4	4	87.00	87	66
38158	HONDA	H23A1	4	87.00	87	67
38159	HONDA	D15Z1	4	75.00	76	21
38166	HONDA	EF1	4	74.00	73	11
38168	HONDA	C27A4	6	87.00	90	79
38169	HONDA	D17A2	4	75.00	76	22
38170	HONDA	D17A1	4	75.00	76	23
38171	HONDA	B20Z2	4	84.00	84	55
38172	HONDA	F23A5	4	86.00	85	58
38173	HONDA	D16A6-II	4	75.00	76	24
38174	HONDA	K24A1	4	87.00	87	68
38175	HONDA	K24A4	4	87.00	88	69
38176	HONDA	J35A1	6	89.00	90	80
38177	HONDA	J35A3	6	89.00	91	81
38178	HONDA	J30A4	6	86.00	86	63
38179	HONDA	EK-1-III	4	77.00	79	36
38180	HONDA	F23A1	4	86.00	85	59
38181	HONDA	D16Y7	4	75.00	77	25

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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
38182	HONDA	L15A	4	73.00	71	4
38183	HONDA	JAZZ RS	4	73.00	72	5
38184	HONDA	K24A4-II	4	87.00	88	70
38185	HONDA	K20A3	4	86.00	85	60
38186	HONDA	R20A	4	81.00	81	44
38187	HONDA	D15B-II	4	75.00	77	26
38188	HONDA	K24Z3	4	87.00	88	71
38189	HONDA	K24A2	4	87.00	88	72
38190	HONDA	K20A2	4	86.00	86	61
38191	HONDA	K24Z2	4	87.00	89	73
38192	HONDA	J35A7	6	89.00	91	82
38193	HONDA	J32A3	6	89.00	91	83
38194	HONDA	J35A8	6	89.00	91	84
38195	HONDA	J30A	6	86.00	86	64
38196	HONDA	J35Z3	6	89.00	92	85
38197	HONDA	ACCORD	4	87.00	89	74
38198	HONDA	CRV / K24A	4	87.00	89	75
38199	HONDA	K20A5	4	86.00	86	62
38200	HONDA	D17A	4	75.00	77	27
38201	HONDA	L13A	4	73.00	72	6
38202	HONDA	D16Y8-II	4	75.00	77	28
38203	HONDA	L15A2	4	73.00	72	7
38204	HONDA	F20C1	4	87.00	89	76
38205	HONDA	K24Z7	4	87.00	90	77
38206	HONDA	K24Y2	4	87.00	90	78
38207	HONDA	D16W7	4	75.00	78	29
38208	HONDA	R16A	4	81.00	82	45
38210	HONDA	L15B7	4	73.00	72	8
38600	HONDA	EV	4	74.00	73	12
38602	HONDA	ES	4	80.00	80	38
38603	HONDA	EW	4	74.00	74	13
38604	HONDA	ES-II	4	80.00	80	39
38605	HONDA	EW-II	4	74.00	74	14
38606	HONDA	D16A	4	75.00	78	30
38650	HONDA	EM1	4	74.00	74	15
38651	HONDA	F22A	4	85.00	85	57
38652	HONDA	EP	4	77.00	80	37
38654	HONDA	A20A BS-II	4	82.70	83	52
38655	HONDA	ES1	4	80.00	80	40
38656	HONDA	D15	4	75.00	78	31
38657	HONDA	L13A4	4	73.00	73	9
38658A	HONDA	20T2N/20T2 TURBO ALFIN	4	84.45	93	87
38659	HONDA	R18A1/A2	4	81.00	82	46
38660	HONDA	B20A5	4	81.00	82	47
38661AG	HONDA	N22A1/N22A2 ALFIN GALLERY	4	85.00	93	88
38662	HONDA	C32A	6	90.00	92	86
38663	HONDA	D15A3 EW4	4	74.00	74	16
38664	HONDA	B20A3	4	81.00	82	48



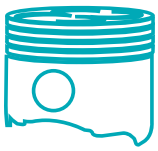
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38666	HONDA	D13	4	75.00	79	33
38667	HONDA	D15-II	4	75.00	79	34
38668	HONDA	B18A1	4	81.00	83	49
38669	HONDA	B18C1-II	4	81.00	83	50
38670	HONDA	EB5	4	72.00	71	3
39104	ISUZU	G161Z	4	82.00	115	7
39110	ISUZU	G180Z	4	84.00	116	11
39119	ISUZU	G200Z	4	87.00	118	18
39125A	ISUZU	C-240 OLD ALFIN	4	86.00	123	38
39127A	ISUZU	C-190 ALFIN	4	86.00	124	39
39128A	ISUZU	C-190-3R ALFIN	4	86.00	124	40
39130A	ISUZU	C-223 ALFIN	4	88.00	124	42
39137-4	ISUZU	DA220	4	100.00	130	66
39137	ISUZU	DA-120-4R	6	100.00	131	67
39138	ISUZU	DA-120-5R	6	100.00	131	68
39142A	ISUZU	DA-640 ALFIN	6	102.00	134	79
39148A-4	ISUZU	4BB1 ALFIN	4	102.00	132	73
39148A	ISUZU	6BB1 ALFIN	6	102.00	134	80
39149A-4	ISUZU	4BD1 ALFIN	4	102.00	132	74
39149A	ISUZU	6BD1 ALFIN	6	102.00	134	81
39151A-4	ISUZU	4BD1-II ALFIN	4	102.00	133	75
39151A	ISUZU	6BD1-II ALFIN	6	102.00	134	82
39157A	ISUZU	4FC1 ALFIN	4	84.00	123	36
39159A	ISUZU	4FD1 ALFIN	4	88.00	125	43
39160A	ISUZU	4BA1 ALFIN	4	98.00	130	65
39162A	ISUZU	4JA1 ALFIN	4	93.00	126	49
39163A	ISUZU	4JB1 ALFIN	4	93.00	126	50
39165A	ISUZU	4BC1 ALFIN	4	102.00	131	69
39166A	ISUZU	4BC2 ALFIN	4	102.00	131	70
39170A	ISUZU	4EC1 OLD ALFIN	4	76.00	122	31
39175	ISUZU	4ZC1	4	88.00	118	21
39176	ISUZU	4ZD1	4	89.30	119	22
39179A	ISUZU	4EC1 TURBO ALFIN	4	76.00	122	32
39180A	ISUZU	4BE1 ALFIN	4	105.00	135	85
39181A	ISUZU	4HF1 ALFIN	4	112.00	138	96
39181A-6	ISUZU	6HF1 ALFIN	6	112.00	139	99
39182A	ISUZU	6BG1 ALFIN	6	105.00	136	87
39183A	ISUZU	4FB1 ALFIN	4	84.00	123	37
39184A	ISUZU	4BD1-III ALFIN	4	102.00	132	71
39184A-6	ISUZU	6BD1-III ALFIN	6	102.00	135	83
39185	ISUZU	4ZE1	4	92.60	119	24
39186	ISUZU	6VD1	6	93.40	120	26
39187A	ISUZU	4HF1-II ALFIN	4	112.00	138	97
39187A-6	ISUZU	6HF1-II ALFIN	6	112.00	139	100
39188A	ISUZU	4JB1-T ALFIN	4	93.00	127	51
39189A	ISUZU	4EE1-T ALFIN	4	79.00	121	33

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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
39190A	ISUZU	4JB1-T LATE ALFIN	4	93.00	127	52
39208	ISUZU	G180SR	4	84.00	116	12
39209	ISUZU	4XE1W	4	80.00	114	5
39210	ISUZU	4XE1V	4	80.00	115	6
39211	ISUZU	X22SE	4	86.00	117	14
39218A	ISUZU	C-223-II ALFIN	4	88.00	125	44
39226	ISUZU	G200Z-II	4	87.00	118	19
39227A	ISUZU	4BD1 LATE ALFIN	4	102.00	133	76
39228	ISUZU	4ZD1-II	4	89.30	119	23
39229	ISUZU	X20SE	4	86.00	117	15
39230	ISUZU	X22SE-II	4	86.00	117	16
39231A	ISUZU	4JA1T NEW ALFIN	4	93.00	127	53
39232AG	ISUZU	4JH1-TC ALFIN GALLERY	4	95.40	128	56
39233	ISUZU	LUV	4	86.00	117	17
39234	ISUZU	6VE1	6	93.40	120	27
39235	ISUZU	DIMAX 2.4L	4	87.50	118	20
39236	ISUZU	G161ZB-II	4	82.00	115	8
39237	ISUZU	6VE1-III	6	93.40	120	28
39243	ISUZU	6VD1-IV	6	93.40	120	29
39244AG	ISUZU	4HK1-TC ALFIN GALLERY	4	115.00	139	101
39245AG	ISUZU	4JK1-TCS/ 4JK1-TCX ALFIN GALLERY	4	95.40	128	57
39600A	ISUZU	4JG2 EARLY ALFIN	4	95.40	128	58
39601A	ISUZU	C-223 OLD ALFIN	4	88.00	125	45
39602A	ISUZU	4FG1 ALFIN	4	89.30	126	48
39603	ISUZU	4XC1	4	77.00	114	1
39604	ISUZU	4ZE1-II	4	92.60	119	25
39605	ISUZU	4ZA1	4	82.00	115	9
39606A	ISUZU	6SA1 ALFIN	6	115.00	141	140
39607A	ISUZU	6HE1 ALFIN	6	110.00	137	92
39608AG	ISUZU	4JG2-T ALFIN GALLERY	4	95.40	129	59
39609A	ISUZU	C-223-T ALFIN	4	88.00	125	46
39611AG	ISUZU	4BD2-T ALFIN GALLERY	4	102.00	133	77
39612A	ISUZU	4BE1-II ALFIN	4	105.00	135	86
39614AG	ISUZU	6BG1-T ALFIN GALLERY	6	105.00	136	88
39615AG	ISUZU	6SA1-T ALFIN GALLERY	6	115.00	141	108
39616A	ISUZU	6BF1 ALFIN	6	105.00	136	89
39617	ISUZU	DH100	6	120.00	143	116
39618A	ISUZU	4BD1-T ALFIN	4	102.00	132	72
39620	ISUZU	C-221-II	4	83.00	123	35
39621A	ISUZU	C-240 ALFIN	4	86.00	124	41
39623A	ISUZU	6SD1 ALFIN	6	120.00	143	117
39624A	ISUZU	6RB1 ALFIN	6	135.00	144	119
39625A	ISUZU	10PC1 ALFIN	10	119.00	142	114
39626A	ISUZU	10PD1 ALFIN	10	119.00	143	115
39628	ISUZU	G161Z-II	4	82.00	116	10
39651A	ISUZU	6HH1 ALFIN	6	115.00	140	109
39652	ISUZU	4XC1-III	4	77.00	114	3
39653A	ISUZU	4HG1 ALFIN	4	115.00	139	102

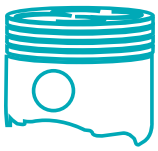
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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
39654	ISUZU	G180Z-II	4	84.00	116	13
39655AG	ISUZU	4BD2-T LATE ALFIN GALLERY	4	102.00	133	78
39656A	ISUZU	4JB1 LATE ALFIN	4	93.00	127	54
39657A	ISUZU	6QA1 ALFIN	6	125.00	143	118
39658A	ISUZU	4JA1 LATE ALFIN	4	93.00	128	55
39659	ISUZU	4XC1-IV	4	77.00	114	4
39660AG	ISUZU	4JG2-T NEW ALFIN GALLERY	4	95.40	129	60
39661AG	ISUZU	4JX1 ALFIN GALLERY	4	95.40	129	61
39662A	ISUZU	PA1 ALFIN	10	115.00	142	113
39663AG	ISUZU	6HE1-T ALFIN GALLERY	6	110.00	137	93
39664AG	ISUZU	4HE1-TC ALFIN GALLERY	4	110.00	136	90
39664AG-6	ISUZU	6HE1-TC ALFIN GALLERY	6	110.00	137	94
39665AG	ISUZU	6HK1-TC ALFIN GALLERY	6	115.00	141	110
39666AG	ISUZU	4HE1-T ALFIN GALLERY	4	110.00	137	91
39667A	ISUZU	6BD1-T ALFIN	6	102.00	135	84
39668A	ISUZU	4EE1 ALFIN	4	79.00	122	34
39669AG	ISUZU	4JG2-T-II ALFIN GALLERY	4	95.40	129	62
39670AG	ISUZU	4HL1 ALFIN GALLERY	4	115.00	140	103
39671AG	ISUZU	4HK1-TC-II ALFIN GALLERY	4	115.00	140	104
39672A	ISUZU	4HF1 NEW ALFIN	4	112.00	138	98
39673	ISUZU	6VE1-II	6	93.40	121	30
39674AG	ISUZU	4JJ1-TC CRDI ALFIN GALLERY	4	95.40	130	63
39675AG	ISUZU	4JK1-TC ALFIN GALLERY	4	95.40	130	64
39676AG	ISUZU	4HG1-T ALFIN GALLERY	4	115.00	140	105
39677AG	ISUZU	6HL1-TC ALFIN GALLERY	6	115.00	142	111
39679AG	ISUZU	4HK1-TC-III ALFIN GALLERY	4	115.00	140	106
39682AG	ISUZU	6HH1-T ALFIN GALLERY	6	115.00	142	112
39683AG	ISUZU	6HE1-T-II ALFIN GALLERY	6	110.00	138	95
39684	ISUZU	C 2.2	4	88.00	126	47
40103	LANDROVER	3.562	4	90.49	156	1
42107G	MAZDA	SL GALLERY	4	100.00	184	94
42108	MAZDA	PB	4	68.00	160	1
42127	MAZDA	B3	4	71.00	160	3
42131	MAZDA	E3	4	77.00	162	12
42132	MAZDA	E5 NEW	4	77.00	163	13
42140	MAZDA	NA NEW	4	78.00	164	17
42141	MAZDA	NA OLD	4	78.00	164	18
42142	MAZDA	NA NEW - II	4	78.00	164	19
42146	MAZDA	MA	4	80.00	167	31
42149A	MAZDA	HA ALFIN	4	95.00	183	90
42150	MAZDA	XB	4	92.00	180	81
42150-6	MAZDA	ZB OLD	6	92.00	181	85
42152	MAZDA	VC OLD	4	80.00	167	32
42157	MAZDA	FE	4	86.00	171	48
42159	MAZDA	F6	4	81.00	168	35
42163	MAZDA	G6	4	92.00	177	69

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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
42164	MAZDA	F2	4	86.00	172	49
42165	MAZDA	BP05	4	83.00	169	38
42166	MAZDA	FS	4	83.00	169	39
42167A	MAZDA	R2 ALFIN	4	86.00	178	71
42168	MAZDA	F8	4	86.00	172	50
42169	MAZDA	JE-48 / JE-27	6	90.00	176	67
42170	MAZDA	VC NEW	4	80.00	168	33
42171	MAZDA	B6	4	78.00	164	20
42172	MAZDA	B6 - II	4	78.00	165	21
42173	MAZDA	Z5	4	75.30	162	11
42174A	MAZDA	S2 ALFIN	4	88.90	179	77
42179A	MAZDA	ZB ALFIN	6	92.00	181	84
42183A	MAZDA	TF ALFIN	4	105.50	184	97
42184AG	MAZDA	TF-II ALFIN GALLERY	4	105.50	185	98
42185AG	MAZDA	WL-T ALFIN GALLERY	4	93.00	182	86
42186A	MAZDA	WL ALFIN	4	93.00	182	87
42192	MAZDA	F2-II	4	86.00	172	51
42193	MAZDA	FE-II	4	86.00	172	52
42196	MAZDA	E5-II	4	77.00	163	14
42198A	MAZDA	SS K2700 ALFIN	4	92.00	181	82
42199	MAZDA	GY	6	81.65	168	36
42200	MAZDA	BP-II	4	83.00	169	40
42201A	MAZDA	SL-III ALFIN	4	100.00	184	95
42202	MAZDA	FP	4	83.00	170	41
42203	MAZDA	MA-IV	4	80.00	168	34
42205	MAZDA	L3	4	87.50	174	58
42206	MAZDA	FE-VII	4	86.00	173	53
42207	MAZDA	AJ	6	89.00	176	66
42208	MAZDA	BP-III	4	83.00	170	42
42209	MAZDA	L3-II	4	87.50	174	59
42210	MAZDA	LF	4	87.50	174	60
42211	MAZDA	Z6	4	78.00	165	22
42212AG	MAZDA	MZ-DE ALFIN GALLERY	4	93.00	182	88
42213AG	MAZDA	MZR-CD ALFIN GALLERY	4	96.00	183	93
42214	MAZDA	ZM	4	78.00	165	23
42215AG	MAZDA	W9 ALFIN GALLERY	4	95.00	183	92
42216	MAZDA	LF-II	4	87.50	175	61
42217	MAZDA	B3-III	4	71.00	160	4
42218	MAZDA	FE-VIII	4	86.00	173	54
42219	MAZDA	MZR 1.5L	4	78.00	165	24
42220	MAZDA	SKYACTIV-G	4	83.50	171	45
42221	MAZDA	MZR 2.3L	4	87.50	175	62
42222	MAZDA	L3-III	4	87.50	175	63
42223	MAZDA	SKYACTIV-G 2.5L	4	89.00	175	64
42224	MAZDA	SKYACTIV-G 1.5L	4	74.50	160	10
42225	MAZDA	SKYACTIV-G-II	4	83.50	171	46
42600	MAZDA	UC	4	77.00	163	15
42601	MAZDA	PN	4	78.00	178	70

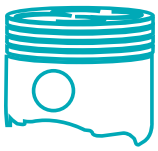
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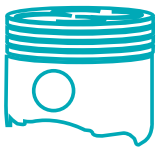
TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
42602	MAZDA	FE-III	4	86.00	173	55
42603	MAZDA	FE-IV	4	86.00	173	56
42605	MAZDA	XA	4	88.90	180	78
42606	MAZDA	S5	4	88.90	180	79
42607	MAZDA	TC LATE	4	73.00	161	6
42609	MAZDA	HA-II	4	95.00	183	91
42610AG	MAZDA	RF ALFIN GALLERY	4	86.00	178	73
42611AG	MAZDA	R2 LATE ALFIN GALLERY	4	86.00	178	72
42612	MAZDA	VA	4	82.00	169	37
42613AG	MAZDA	SL-T ALFIN GALLERY	4	100.00	184	96
42651	MAZDA	TC	4	73.00	161	7
42652	MAZDA	E3-II	4	77.00	163	16
42653	MAZDA	B5	4	78.00	166	25
42655	MAZDA	JE	6	90.00	176	68
42656	MAZDA	TB	4	70.00	160	2
42657A	MAZDA	JS K2700 ALFIN	4	94.50	182	89
42658A	MAZDA	SF K2400 ALFIN	4	92.00	181	83
42659	MAZDA	XA-II	4	88.90	180	80
42660	MAZDA	B3-II	4	71.00	161	5
42661	MAZDA	BP	4	83.00	170	43
42662	MAZDA	B6-T	4	78.00	166	26
42663AG	MAZDA	TM ALFIN GALLERY	4	109.00	185	99
42664	MAZDA	KL	6	84.50	171	47
42665	MAZDA	KF	6	78.00	167	30
42668	MAZDA	B6ZE	4	78.00	166	27
42669	MAZDA	VB	4	78.00	166	28
42670	MAZDA	TC-II	4	73.00	161	8
42671A	MAZDA	RF-II ALFIN	4	86.00	179	74
42672	MAZDA	ZL-VE	4	78.00	167	29
42674AG	MAZDA	R2 NEW ALFIN GALLERY	4	86.00	179	75
42675AG	MAZDA	RF7 ALFIN GALLERY	4	86.00	179	76
42676	MAZDA	L8	4	83.00	170	44
42678	MAZDA	F2T	4	86.00	174	57
42679	MAZDA	ZJ	4	74.00	162	9
42680	MAZDA	L5-VE	4	89.00	176	65
43102A	MITSUBISHI	6D14 ALFIN	6	110.00	223	133
43104A	MITSUBISHI	6D15 ALFIN	6	113.00	225	140
43105A	MITSUBISHI	6D16 ALFIN	6	118.00	226	147
43107A	MITSUBISHI	6DB NEW ALFIN	6	110.00	223	134
43115	MITSUBISHI	6DS7	6	98.00	217	110
43115N	MITSUBISHI	6DS7 NEW	6	98.00	217	111
43132	MITSUBISHI	4G32	4	76.90	196	25
43132N	MITSUBISHI	4G32 NEW	4	76.90	197	29
43137	MITSUBISHI	4G33	4	73.00	192	9
43144	MITSUBISHI	4G41R NEW	4	76.50	195	24
43148	MITSUBISHI	4G52	4	84.00	200	41
43151	MITSUBISHI	4G53 OLD	4	88.00	205	61

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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
43153	MITSUBISHI	4G54	4	91.10	205	63
43154	MITSUBISHI	4G62	4	80.60	197	31
43155	MITSUBISHI	4G63 OLD	4	85.00	200	42
43157	MITSUBISHI	4DR5	4	92.00	214	98
43164A	MITSUBISHI	4D30 OLD ALFIN	4	100.00	218	113
43166A	MITSUBISHI	4D30 ALFIN	4	100.00	218	114
43168A	MITSUBISHI	4D31 / 4D31T ALFIN	4	100.00	218	115
43168A-6	MITSUBISHI	6D31 / 6D31T ALFIN	6	100.00	219	117
43170A	MITSUBISHI	4D34 ALFIN	4	104.00	219	119
43171A	MITSUBISHI	4D55 / 4D56 ALFIN	4	91.10	212	89
43173A	MITSUBISHI	4D56T ALFIN	4	91.10	212	90
43176	MITSUBISHI	2G23	2	70.00	190	3
43187	MITSUBISHI	G15B	4	75.50	194	18
43195	MITSUBISHI	G37B	4	80.60	197	32
43207	MITSUBISHI	G63B	4	85.00	200	43
43216	MITSUBISHI	4G17	4	72.20	191	8
43217	MITSUBISHI	4G15	4	75.50	194	19
43218	MITSUBISHI	6G72	6	91.10	206	68
43219	MITSUBISHI	4G37	4	80.60	198	33
43220	MITSUBISHI	6G72 NEW	6	91.10	207	69
43221	MITSUBISHI	4G32-M	4	76.90	196	26
43222	MITSUBISHI	4G63-P	4	85.00	200	44
43223A	MITSUBISHI	6D16-T ALFIN	6	118.00	227	148
43224	MITSUBISHI	4G32-III	4	76.90	196	27
43225	MITSUBISHI	4G64S	4	86.50	203	53
43226	MITSUBISHI	4G63DK	4	85.00	201	45
43227A	MITSUBISHI	4D32 ALFIN	4	104.00	220	120
43228	MITSUBISHI	4G64	4	86.50	203	54
43229A	MITSUBISHI	4D65T ALFIN	4	80.60	210	80
43230	MITSUBISHI	420A	4	87.50	204	59
43231	MITSUBISHI	4G63D	4	85.00	201	46
43232AG	MITSUBISHI	4M40-T ALFIN GALLERY	4	95.00	216	104
43233	MITSUBISHI	G54B, RWD	4	91.10	205	64
43234	MITSUBISHI	4G63D-T	4	85.00	201	47
43235	MITSUBISHI	6G72-T	6	91.10	207	70
43241A	MITSUBISHI	4D65T OLD ALFIN	4	80.60	210	81
43242AG	MITSUBISHI	4D56-T LATE ALFIN GALLERY	4	91.10	213	95
43244A	MITSUBISHI	4D33 ALFIN	4	108.00	222	129
43247	MITSUBISHI	6G74	6	93.00	208	76
43248	MITSUBISHI	4G15-II	4	75.50	194	20
43249	MITSUBISHI	6G72H	6	91.10	207	71
43250	MITSUBISHI	4G61	4	82.30	199	39
43257	MITSUBISHI	4G13-II	4	71.00	190	4
43258	MITSUBISHI	4G64N	4	86.50	203	55
43261	MITSUBISHI	4G63K	4	85.00	201	48
43263	MITSUBISHI	6G73	6	83.50	199	40
43264A	MITSUBISHI	4D65 ALFIN	4	80.60	210	82
43265A	MITSUBISHI	6D16-1AT2 ALFIN	6	118.00	227	150



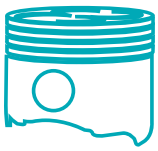
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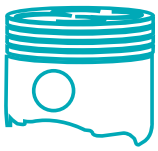
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43266A	MITSUBISHI	6D16-2A ALFIN	6	118.00	227	151
43267A	MITSUBISHI	6D17-1A ALFIN	6	118.00	227	149
43268A	MITSUBISHI	6D16-1A ALFIN	6	118.00	228	152
43270	MITSUBISHI	4G64-II	4	86.50	203	56
43271	MITSUBISHI	6G74-II	6	93.00	209	77
43272	MITSUBISHI	G15B-II	4	75.50	195	21
43273	MITSUBISHI	G54BT	4	91.10	206	65
43274A	MITSUBISHI	6D22-T ALFIN	6	130.00	228	155
43275A	MITSUBISHI	8DC91-T ALFIN	8	135.00	229	159
43276	MITSUBISHI	G64FR	4	86.50	204	57
43278	MITSUBISHI	6G72-II	6	91.10	207	72
43279	MITSUBISHI	4G63N	4	85.00	202	49
43280A	MITSUBISHI	4D36 ALFIN	4	104.00	220	121
43281	MITSUBISHI	4G18	4	76.00	195	22
43282	MITSUBISHI	4G13-IV	4	71.00	191	5
43283A	MITSUBISHI	6D15-II ALFIN	6	113.00	225	141
43284	MITSUBISHI	6G74-III	6	93.00	209	78
43285	MITSUBISHI	4D56-II	4	91.10	212	91
43286A	MITSUBISHI	4D65-II ALFIN	4	80.60	210	83
43287	MITSUBISHI	4G69	4	87.00	204	58
43288	MITSUBISHI	4G94	4	81.50	199	38
43289	MITSUBISHI	6D14.A	6	110.00	223	135
43290	MITSUBISHI	6G75	6	95.00	209	79
43291A	MITSUBISHI	4D56 LATE ALFIN	4	91.10	213	92
43292	MITSUBISHI	4G54C	4	91.10	206	66
43293AG	MITSUBISHI	4D34T NEW ALFIN GALLERY	4	104.00	221	125
43294	MITSUBISHI	6G72-V	6	91.10	208	73
43296	MITSUBISHI	3A92	3	75.00	192	12
43296-4	MITSUBISHI	4A92	4	75.00	193	14
43297	MITSUBISHI	6B31	6	87.60	204	60
43299A	MITSUBISHI	4D33-III ALFIN	4	108.00	222	130
43300AG	MITSUBISHI	4D56T CRDi-II ALFIN GALLERY	4	91.10	213	93
43301AG	MITSUBISHI	4N15 ALFIN GALLERY	4	86.00	211	87
43302	MITSUBISHI	4G18-II	4	76.00	195	23
43303	MITSUBISHI	4A91 MIVEC	4	75.00	193	15
43304AG	MITSUBISHI	4N15-II ALFIN GALLERY	4	86.00	212	88
43305AG	MITSUBISHI	6M60 ALFIN GALLERY	6	118.00	228	153
43306G	MITSUBISHI	4B40 GALLERY	4	75.00	193	16
43600	MITSUBISHI	4G13	4	71.00	191	9
43605A	MITSUBISHI	4D34T ALFIN	4	104.00	220	122
43605A-6	MITSUBISHI	6D34T ALFIN	6	104.00	221	127
43606	MITSUBISHI	4G36	4	73.00	192	10
43607	MITSUBISHI	4G12	4	74.00	192	11
43608AG	MITSUBISHI	4D35 ALFIN GALLERY	4	110.00	222	131
43609	MITSUBISHI	4DR51/4DR5 LATE	4	92.00	214	99
43610A	MITSUBISHI	4DR7 ALFIN	4	95.00	216	105
43612AG	MITSUBISHI	4D68T ALFIN GALLERY	4	82.70	211	84
43613A	MITSUBISHI	4D68 ALFIN	4	82.70	211	85

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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
43614A	MITSUBISHI	6D22 ALFIN	6	130.00	229	156
43615A	MITSUBISHI	6D14-T ALFIN	6	110.00	224	136
43616	MITSUBISHI	4G11	4	69.50	190	2
43617A	MITSUBISHI	4D31 T ALFIN	4	100.00	219	116
43618A	MITSUBISHI	8DC8 ALFIN	8	135.00	229	158
43619A	MITSUBISHI	4D32 LATE ALFIN	4	104.00	220	123
43621	MITSUBISHI	G63B-II	4	85.00	202	50
43652	MITSUBISHI	4G13-III	4	71.00	191	7
43654	MITSUBISHI	G54B-II	4	91.10	206	67
43655A	MITSUBISHI	S4E ALFIN	4	94.00	215	100
43655-6	MITSUBISHI	S6E	6	94.00	215	102
43656	MITSUBISHI	G32S	4	76.90	196	28
43657	MITSUBISHI	4G92S-H	4	81.00	198	34
43658	MITSUBISHI	4G93	4	81.00	198	35
43659A	MITSUBISHI	8DC11 ALFIN	8	142.00	230	161
43660A	MITSUBISHI	8DC9 ALFIN	8	135.00	230	160
43661A	MITSUBISHI	4D56-T LATE-II ALFIN	4	91.10	213	94
43663AG	MITSUBISHI	4M41-T ALFIN GALLERY	4	98.50	218	112
43664A	MITSUBISHI	4D31-T LATE ALFIN	4	100.00	219	118
43665A	MITSUBISHI	6D14-T.2A ALFIN	6	110.00	224	137
43666A	MITSUBISHI	4D32 NEW ALFIN	4	104.00	221	124
43667	MITSUBISHI	6G72-IV	6	91.10	208	74
43668A	MITSUBISHI	6D14-T-II ALFIN	6	110.00	224	138
43669	MITSUBISHI	6G72-III	6	91.10	208	75
43670AG	MITSUBISHI	4M40-T-II ALFIN GALLERY	4	95.00	216	106
43671	MITSUBISHI	4G92S	4	81.00	198	36
43672AG	MITSUBISHI	4D55T/4D56T-II ALFIN GALLERY	4	91.10	214	96
43673A	MITSUBISHI	4M40 ALFIN	4	95.00	216	107
43674A	MITSUBISHI	4M51 ALFIN	4	118.00	226	146
43675A	MITSUBISHI	6D15.3AT ALFIN	6	113.00	225	142
43676	MITSUBISHI	G63DH	4	85.00	202	51
43677	MITSUBISHI	6A12	6	78.40	197	30
43678AG	MITSUBISHI	4D56T CRDi ALFIN GALLERY	4	91.10	214	97
43679	MITSUBISHI	4G93-II	4	81.00	199	37
43680	MITSUBISHI	4A31	4	66.00	190	1
43681AG	MITSUBISHI	4M42-0AT ALFIN GALLERY	4	95.00	217	108
43682	MITSUBISHI	S4S	4	94.00	215	101
43682-6	MITSUBISHI	S6S	6	94.00	215	103
43683AG	MITSUBISHI	4M51T ALFIN GALLERY	4	118.00	226	145
43684A	MITSUBISHI	6D14.3AT ALFIN	6	110.00	224	139
43685AG	MITSUBISHI	4M50T ALFIN GALLERY	4	114.00	226	144
43686A	MITSUBISHI	6D15-III ALFIN	6	113.00	225	143
43687	MITSUBISHI	4DQ5	4	84.00	211	86
43688	MITSUBISHI	S4E2	4	98.00	217	109
43691AG	MITSUBISHI	4D35 / 4D35T ALFIN GALLERY	4	110.00	223	132
43692	MITSUBISHI	4B11	4	86.00	202	52
43693A	MITSUBISHI	4D34T-II ALFIN	4	104.00	221	126
43694	MITSUBISHI	4B12	4	88.00	205	62



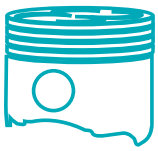
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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
43695AG	MITSUBISHI	6M61 ALFIN GALLERY	6	118.00	228	154
43696-3	MITSUBISHI	3A91	3	75.00	193	13
43696	MITSUBISHI	4A91	4	75.00	194	17
43699A	MITSUBISHI	6D22-T-II ALFIN	6	130.00	229	157
43701AG	MITSUBISHI	6D34.2AT ALFIN GALLERY	6	104.00	222	128
44102	NISSAN	A12 1970	4	73.00	233	9
44109	NISSAN	A14S, A14	4	76.00	235	18
44114	NISSAN	A15S, A15	4	76.00	235	19
44121	NISSAN	J15, J16	4	77.95	240	38
44122	NISSAN	E10S, E10	4	73.00	233	10
44125	NISSAN	E15S, E15	4	76.00	235	20
44160-4	NISSAN	L16	4	83.00	245	58
44160	NISSAN	L24/L26	6	83.00	245	59
44166	NISSAN	L18 NEW 1970	4	85.00	247	67
44167	NISSAN	L18 OLD	4	85.00	247	68
44176A	NISSAN	LD20 ALFIN	4	85.00	262	126
44186	NISSAN	CA16	4	78.00	240	40
44190	NISSAN	CA18	4	83.00	244	53
44193	NISSAN	CA20	4	84.50	246	64
44196	NISSAN	H20, H20P	4	87.20	252	86
44210A	NISSAN	SD22 ALFIN	4	83.00	260	119
44210A-6	NISSAN	SD33 ALFIN	6	83.00	261	122
44215A	NISSAN	SD23 / SD25 ALFIN	4	89.00	264	135
44224	NISSAN	Z20	4	85.00	248	69
44227	NISSAN	Z20S	4	85.00	248	70
44230	NISSAN	Z22S	4	87.00	250	80
44232	NISSAN	Z24, Z24i	4	89.00	252	88
44235	NISSAN	P680	6	85.73	248	72
44236A	NISSAN	PD6 ALFIN	6	125.00	276	181
44242A	NISSAN	RD8 ALFIN	8	135.00	277	185
44244A	NISSAN	ND6 ALFIN	6	110.00	275	178
44246A	NISSAN	NE6 ALFIN	6	110.00	275	179
44255A	NISSAN	TD25 ALFIN	4	92.90	266	142
44256	NISSAN	A10	4	73.00	233	11
44258	NISSAN	GA16i, GA16DS	4	76.00	236	21
44259	NISSAN	E16i	4	76.00	236	22
44260	NISSAN	GA16DE	4	76.00	236	23
44261A	NISSAN	FE6T ALFIN	6	108.00	273	172
44262A	NISSAN	CD17 ALFIN	4	80.00	260	117
44263A	NISSAN	LD20-II ALFIN	4	85.00	262	127
44264A	NISSAN	RE8 ALFIN	8	135.00	277	186
44264A-10	NISSAN	RE10 ALFIN	10	135.00	277	187
44265	NISSAN	J18	4	80.50	243	51
44266A	NISSAN	TD23 ALFIN	4	89.00	264	136
44267A	NISSAN	TD27 ALFIN	4	96.00	266	144
44267A-6	NISSAN	TD42 ALFIN	6	96.00	269	155
44268	NISSAN	E16	4	76.00	236	24

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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
44269	NISSAN	Z16	4	83.00	244	54
44270	NISSAN	GA16DE-II	4	76.00	237	25
44271	NISSAN	KA24E	4	89.00	253	89
44272	NISSAN	KA24E-II	4	89.00	253	90
44273	NISSAN	VQ30DE	6	93.00	257	106
44274	NISSAN	VG33E	6	91.50	256	104
44275	NISSAN	VG30E	6	87.00	251	82
44276	NISSAN	VG30DE	6	87.00	251	83
44277	NISSAN	VG30i / VG30E OLD	6	87.00	251	84
44278	NISSAN	Z22	4	87.00	251	81
44279	NISSAN	CA20-II	4	84.50	247	65
44283	NISSAN	L16-II/L26-II	4	83.00	244	55
44290A	NISSAN	RF8 ALFIN	8	138.00	277	188
44290A-10	NISSAN	RF10 ALFIN	10	138.00	278	189
44291	NISSAN	SD22-II	4	83.00	260	120
44295A	NISSAN	LD23 ALFIN	4	87.00	264	134
44296AG	NISSAN	TD27-T - II ALFIN GALLERY	4	96.00	267	145
44297A	NISSAN	QD32 ALFIN	4	99.20	270	159
44305	NISSAN	L20B	4	85.00	248	71
44306	NISSAN	GA16DS-II, GA16S	4	76.00	237	26
44316	NISSAN	Z24-II	4	89.00	253	91
44320A	NISSAN	NE6T ALFIN	6	110.00	275	180
44321	NISSAN	KA24DE	4	89.00	253	92
44322	NISSAN	A14-II	4	76.00	237	27
44323A	NISSAN	FD6T ALFIN	6	100.00	271	164
44324	NISSAN	A15-II	4	76.00	237	28
44325	NISSAN	VQ30DE-II	6	93.00	257	107
44326	NISSAN	CG13DE	4	71.00	231	3
44327	NISSAN	CG10DE	4	71.00	231	4
44328	NISSAN	QR25DE	4	89.00	254	93
44329	NISSAN	E16-T	4	76.00	238	29
44330A	NISSAN	PE6-T ALFIN	6	133.00	276	183
44331	NISSAN	VQ35DE-II	6	95.50	257	108
44332	NISSAN	VQ35DE	6	95.50	258	109
44333	NISSAN	QG18DE-II	4	80.00	243	49
44334	NISSAN	VG30i-II	6	87.00	252	85
44335	NISSAN	L28S	6	86.00	250	77
44336	NISSAN	L24S	6	83.00	245	60
44337	NISSAN	GA15DS-II	4	73.60	233	12
44338	NISSAN	KA24DE-IV	4	89.00	254	94
44339	NISSAN	HR15DE	4	78.00	241	41
44340	NISSAN	MR18DE	4	84.00	246	62
44341	NISSAN	VQ40DE	6	95.50	258	110
44342	NISSAN	QR20DE	4	89.00	254	95
44343	NISSAN	QR25DE-III	4	89.00	254	96
44344A	NISSAN	FE6T-II ALFIN	6	108.00	274	173
44345	NISSAN	HR16DE	4	78.00	241	42
44347-4	NISSAN	TB45DE/TB48DE	4	99.50	259	115

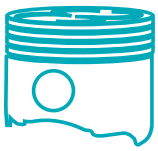
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44347	NISSAN	TB45DE/TB48DE	6	99.50	259	116
44348A	NISSAN	FE6-TC ALFIN	6	108.00	274	174
44349	NISSAN	QR25DE-IV	4	89.00	255	97
44350	NISSAN	MR20DE	4	84.00	246	63
44351	NISSAN	HR12DE	3	78.00	240	39
44352	NISSAN	NA20-II	4	86.00	249	73
44353	NISSAN	QR25DE-V	4	89.00	255	98
44355	NISSAN	E15-III	4	76.00	238	30
44356	NISSAN	1.6L	4	79.50	242	46
44357	NISSAN	QR25DE-VI	4	89.00	255	99
44358	NISSAN	MRA8DE	4	79.70	242	47
44360	NISSAN	VQ35DE-III	6	95.50	258	111
44361	NISSAN	HR16DE-II	4	78.00	241	43
44362G	NISSAN	MR16DDT GALLERY	4	79.70	242	48
44363AG	NISSAN	R9M ALFIN GALLERY	4	80.00	260	118
44364AG	NISSAN	YD25DDTi-II ALFIN GALLERY	4	89.00	266	141
44365	NISSAN	HR16DE-III	4	78.00	241	44
44366	NISSAN	VK56VD	8	98.00	259	113
44600	NISSAN	MA10	4	68.00	231	1
44601	NISSAN	SR20DE	4	86.00	249	74
44602A	NISSAN	CD20 ALFIN	4	84.50	261	123
44603A	NISSAN	SD33T ALFIN	6	83.00	261	121
44604	NISSAN	NA20	4	86.00	249	75
44605A	NISSAN	ED33 ALFIN	4	100.00	271	161
44606	NISSAN	RD28	6	85.00	263	129
44608	NISSAN	H20-II	4	87.20	252	87
44609	NISSAN	GA13	4	71.00	232	5
44610	NISSAN	GA15DS	4	73.60	234	13
44611	NISSAN	E13	4	76.00	238	31
44614	NISSAN	GA14DS	4	73.60	234	14
44615	NISSAN	NA16S	4	81.50	243	52
44616	NISSAN	L28	6	86.00	250	78
44617	NISSAN	L24E	6	83.00	246	61
44618A	NISSAN	FD46 ALFIN	4	108.00	273	170
44619AG	NISSAN	BD30 ALFIN GALLERY	4	96.00	267	146
44620A	NISSAN	FD35 ALFIN	4	102.50	272	167
44621AG	NISSAN	TD27-T ALFIN GALLERY	4	96.00	267	148
44621AG-6	NISSAN	TD42-T ALFIN GALLERY	6	96.00	269	156
44622A	NISSAN	SD23/25-II ALFIN	4	89.00	265	137
44623AG	NISSAN	RD28-T ALFIN GALLERY	6	85.00	263	130
44624AG	NISSAN	LD20-T ALFIN GALLERY	4	85.00	262	128
44625A	NISSAN	LD28 ALFIN	6	84.50	262	125
44629A	NISSAN	FD33-T ALFIN	4	100.00	271	162
44630A	NISSAN	TD27-LATE ALFIN	4	96.00	267	147
44630A-6	NISSAN	TD42-LATE ALFIN	6	96.00	270	157
44650	NISSAN	MA10-II	4	68.00	231	2
44652	NISSAN	SR20DE-II	4	86.00	249	76
44653	NISSAN	RB20E	6	78.00	242	45

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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
44654AG	NISSAN	BD30T ALFIN GALLERY	4	96.00	268	149
44655A	NISSAN	PE6 ALFIN	6	133.00	276	184
44656A	NISSAN	FE6TA ALFIN	6	108.00	274	175
44657A	NISSAN	FD6T-II ALFIN	6	100.00	272	165
44658A	NISSAN	FD6T-III ALFIN	6	100.00	272	166
44659A	NISSAN	FD35-T ALFIN	4	102.50	272	168
44660	NISSAN	TB42/ E/ S	6	96.00	258	112
44661	NISSAN	CA18ET	4	83.00	244	56
44662	NISSAN	L16-III	4	83.00	245	57
44663	NISSAN	CA20-III	4	84.50	247	66
44664	NISSAN	RB30E	6	86.00	250	79
44665AG	NISSAN	FD42 ALFIN GALLERY	4	108.00	273	171
44666A	NISSAN	TD25 LATE ALFIN	4	92.90	266	143
44667A	NISSAN	FE6 ALFIN	6	108.00	274	176
44668	NISSAN	E15-T	4	76.00	238	32
44669	NISSAN	GA14	4	73.60	234	15
44670	NISSAN	ED30	4	98.00	270	158
44671AG	NISSAN	YD25TDI ALFIN GALLERY	4	89.00	265	138
44672AG	NISSAN	ZD30 ALFIN GALLERY	4	96.00	268	150
44673AG	NISSAN	ZD30 LATE ALFIN GALLERY	4	96.00	268	151
44674AG	NISSAN	TD27-T NEW ALFIN GALLERY	4	96.00	268	152
44675	NISSAN	K21	4	89.00	255	100
44676	NISSAN	K25	4	89.00	256	101
44677	NISSAN	QG15DE	4	73.60	234	16
44678AG	NISSAN	ZD30DDTI ALFIN GALLERY	4	96.00	269	153
44679A	NISSAN	PD6-T ALFIN	6	125.00	276	182
44680	NISSAN	VK56DE	8	98.00	259	114
44681AG	NISSAN	CD20-T ALFIN GALLERY	4	84.50	261	124
44682	NISSAN	QG18DE	4	80.00	243	50
44683AG	NISSAN	QD32TI ALFIN GALLERY	4	99.20	270	160
44684AG	NISSAN	YD25TDI NEW ALFIN GALLERY	4	89.00	265	139
44685AG	NISSAN	YD22DDT/ETI ALFIN GALLERY	4	86.00	263	132
44686AG	NISSAN	YD25DDTI ALFIN GALLERY	4	89.00	265	140
44687	NISSAN	CG13DE-II	4	71.00	232	6
44688	NISSAN	QG16	4	76.00	239	33
44689	NISSAN	VQ20	6	76.00	239	36
44690	NISSAN	QG16DE	4	76.00	239	34
44691	NISSAN	QG15	4	73.60	235	17
44692A	NISSAN	FE6T NEW ALFIN	6	108.00	275	177
44693	NISSAN	VQ20-II	6	76.00	240	37
44694A	NISSAN	ED35 ALFIN	4	102.50	273	169
44695	NISSAN	GA16DE-III	4	76.00	239	35
44696AG	NISSAN	RD28TI NEW ALFIN GALLERY	6	85.00	263	131
44697AG	NISSAN	YD22DDT/DDTI ALFIN GALLERY	4	86.00	264	133
44698A	NISSAN	FD33 ALFIN	4	100.00	271	163
44699	NISSAN	H25	4	92.00	257	105
44702AG	NISSAN	ZD30DD ALFIN GALLERY	4	96.00	269	154
44704	NISSAN	MA12S	4	71.00	232	7

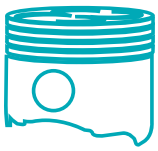
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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
44705	NISSAN	CR12DE	4	71.00	232	8
44707	NISSAN	K21-II	4	89.00	256	102
44708	NISSAN	K25-II	4	89.00	256	103
45114-3	SUZUKI	F5A	3	62.00	299	1
45114	SUZUKI	F8A, ST90, LJ80	4	62.00	299	2
45117	SUZUKI	F10A, ST100, SJ410	4	65.50	300	5
45122	SUZUKI	SS80	3	68.50	300	8
45123	SUZUKI	SL413	4	75.00	306	30
45124	SUZUKI	G16KV	4	75.00	306	31
45125	SUZUKI	G10 NEW, G10A	3	74.00	303	18
45125-4	SUZUKI	G13 NEW	4	74.00	305	28
45126	SUZUKI	G10	3	74.00	303	19
45126-4	SUZUKI	G13	4	74.00	306	29
45127	SUZUKI	G16A, G16KC	4	75.00	306	32
45128	SUZUKI	G13B	4	74.00	303	20
45131-4	SUZUKI	J18	4	84.00	310	47
45131	SUZUKI	H25A	6	84.00	310	48
45132	SUZUKI	VITARA	4	75.00	307	33
45133	SUZUKI	J20A	4	84.00	309	43
45134	SUZUKI	H20A	6	78.00	309	42
45135	SUZUKI	STEAM 1.3L	4	74.00	304	21
45136	SUZUKI	ALTO	4	68.00	300	7
45137	SUZUKI	H27	6	88.00	311	49
45138	SUZUKI	F6A	3	65.00	299	4
45139	SUZUKI	J24B	4	92.00	311	52
45140	SUZUKI	AERIO	4	90.00	311	51
45141	SUZUKI	K12A	4	71.00	301	12
45142	SUZUKI	H27-II	6	88.00	311	50
45143	SUZUKI	M15A	4	78.00	308	38
45144	SUZUKI	G16B-II	4	75.00	307	34
45145	SUZUKI	K10B	3	73.00	302	13
45146-3	SUZUKI	ALTO LXI	3	68.50	301	10
45146	SUZUKI	WAGON R	4	68.50	301	11
45147	SUZUKI	SX4	4	84.00	309	44
45148	SUZUKI	K14B	4	73.00	302	14
45149	SUZUKI	G15A	4	75.00	307	35
45150	SUZUKI	J20A-II	4	84.00	310	45
45151	SUZUKI	K6A	3	68.00	300	6
45152	SUZUKI	J20B	4	84.00	310	46
45153	SUZUKI	G16KV-II	4	75.00	307	36
45154	SUZUKI	ALTO 800 CC LXI	3	68.50	301	9
45156	SUZUKI	K15B	4	74.00	304	22
45157	SUZUKI	M16A	4	78.00	308	39
45158	SUZUKI	K15B-C	4	74.00	304	23
45159AG	SUZUKI	D13A ALFIN GALLERY	4	69.60	312	53
45160	SUZUKI	K12M	4	73.00	302	15
45162	SUZUKI	K12B	4	73.00	302	16

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45163	SUZUKI	K12B-II	4	73.00	303	17
45601	SUZUKI	SWIFT 1.6	4	75.00	308	37
45650	SUZUKI	G13-II	4	74.00	304	24
45652	SUZUKI	F8A	4	62.00	299	3
45653	SUZUKI	G13BB	4	74.00	305	25
45654	SUZUKI	G13B-II	4	74.00	305	26
45655	SUZUKI	G13-Y58	4	74.00	305	27
45656	SUZUKI	M13A	4	78.00	308	40
45657	SUZUKI	M15A-II	4	78.00	309	41
46103	TOYOTA	3K	4	75.00	321	20
46105	TOYOTA	4K , 4KU	4	75.00	322	21
46107	TOYOTA	5K	4	80.50	327	44
46112A	TOYOTA	1C ALFIN	4	83.00	359	168
46116	TOYOTA	1S	4	80.50	328	45
46118	TOYOTA	1Y	4	86.00	338	88
46119	TOYOTA	2Y	4	86.00	339	89
46120	TOYOTA	3Y	4	86.00	339	90
46122	TOYOTA	4Y	4	91.00	349	131
46123	TOYOTA	B, BU-15	4	95.00	369	210
46124A	TOYOTA	B, BU-30 ALFIN	4	95.00	369	211
46127	TOYOTA	2B	4	98.00	373	224
46128A	TOYOTA	3B ALFIN	4	102.00	374	229
46130A	TOYOTA	13B ALFIN	4	102.00	374	230
46132	TOYOTA	F, FA-90	6	90.00	349	130
46136	TOYOTA	2F	6	94.00	351	139
46138	TOYOTA	3F	6	94.00	351	140
46141	TOYOTA	2E	4	73.00	320	15
46163	TOYOTA	3A, 3AU	4	77.50	325	36
46175	TOYOTA	5R OLD	4	88.00	346	120
46177	TOYOTA	5R NEW	4	88.00	347	121
46187	TOYOTA	12R, 12RU	4	80.50	328	46
46189	TOYOTA	18R, 18RC, 18RB	4	88.50	347	122
46199	TOYOTA	21R, 21RC	4	84.00	336	78
46201	TOYOTA	22R	4	92.00	350	133
46202	TOYOTA	22R-E	4	92.00	350	134
46207	TOYOTA	2T, 2T-B	4	85.00	337	82
46211	TOYOTA	2T, 2T-U	4	85.00	337	83
46218	TOYOTA	3T, 3T-U, 13T-U	4	85.00	337	84
46226A	TOYOTA	2J ALFIN	4	88.00	363	186
46226A-6	TOYOTA	H NEW ALFIN	6	88.00	364	189
46231A	TOYOTA	2H ALFIN	6	91.00	365	193
46234	TOYOTA	L OLD, LN30	4	90.00	364	190
46236	TOYOTA	L NEW, LN50	4	90.00	364	191
46238	TOYOTA	L NEW-II	4	90.00	365	192
46240A	TOYOTA	2L ALFIN	4	92.00	366	196
46242	TOYOTA	2D OLD	6	105.00	376	237
46244	TOYOTA	2D NEW	6	105.00	376	238

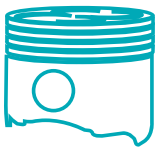
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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
46253	TOYOTA	4AGEC, 4AGEU	4	81.00	331	59
46254A	TOYOTA	14B ALFIN	4	102.00	374	231
46255	TOYOTA	3SFE	4	86.00	339	91
46256A	TOYOTA	3L ALFIN	4	96.00	371	217
46257A	TOYOTA	1HZ, 1PZ ALFIN	6	94.00	368	205
46258	TOYOTA	5E-FE	4	74.00	321	18
46259	TOYOTA	7K	4	80.50	328	47
46260A	TOYOTA	2C ALFIN	4	86.00	360	172
46261A	TOYOTA	2L-II, 2L LATE ALFIN	4	92.00	366	197
46262	TOYOTA	4AFE, 4AG	4	81.00	331	60
46263	TOYOTA	3SGTE	4	86.00	339	92
46264A	TOYOTA	2C-II, 2CT LATE ALFIN	4	86.00	360	173
46265	TOYOTA	BU 15-II	4	95.00	370	212
46266	TOYOTA	4AFE-II, 4AG	4	81.00	332	61
46267	TOYOTA	21R-II	4	84.00	336	79
46268A	TOYOTA	1HD-T LATE ALFIN	6	94.00	368	206
46269	TOYOTA	4AC/ 4AELU	4	81.00	332	62
46270	TOYOTA	1FZ-FE	6	100.00	357	161
46271	TOYOTA	4AFE-III	4	81.00	332	63
46272-4	TOYOTA	3F NEW, 3FE	4	94.00	351	137
46272	TOYOTA	3F NEW, 3FE	6	94.00	352	141
46273AG	TOYOTA	5L ALFIN GALLERY	4	99.50	374	228
46274	TOYOTA	3E, 3EE	4	73.00	320	16
46275	TOYOTA	7MGTE, 7MGTEU	6	83.00	335	74
46276A	TOYOTA	1N ALFIN	4	74.00	358	165
46277	TOYOTA	7AFE	4	81.00	332	64
46278A	TOYOTA	2C-T ALFIN	4	86.00	360	174
46279	TOYOTA	5SFE	4	87.00	344	110
46280	TOYOTA	7MGE, 7MG	6	83.00	335	75
46281	TOYOTA	3VZ-FE	6	87.50	344	112
46282	TOYOTA	1FZ-FE-II	6	100.00	357	162
46283AG	TOYOTA	1KZ-TE, 1KZ ALFIN GALLERY	4	96.00	371	218
46286	TOYOTA	4 A-GEU	4	81.00	333	65
46287A	TOYOTA	11B ALFIN	4	95.00	370	213
46288	TOYOTA	1MZFE	6	87.50	345	113
46289	TOYOTA	4SFI	4	82.50	334	72
46290	TOYOTA	5AF	4	78.70	326	39
46294	TOYOTA	20R	4	88.50	347	123
46300	TOYOTA	1RZ	4	86.00	340	93
46308	TOYOTA	BU-30-II	4	95.00	370	214
46309	TOYOTA	5SFE-II	4	87.00	344	111
46310	TOYOTA	4AGE, 4AGELC	4	81.00	333	66
46311	TOYOTA	2RZ-FE	4	95.00	354	152
46312	TOYOTA	3RZ-FE, 3RZ-FZ	4	95.00	355	153
46313	TOYOTA	2TZ-FE	4	95.00	355	154
46316	TOYOTA	H-II	6	88.00	364	188
46325A	TOYOTA	1HD-T-II ALFIN	6	94.00	368	207
46329	TOYOTA	2TZFZE	4	95.00	355	155

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46330	TOYOTA	2JZGE	6	86.00	343	107
46331G	TOYOTA	2JZGTE GALLERY	6	86.00	344	109
46332	TOYOTA	1NZFE	4	75.00	322	22
46334	TOYOTA	1ZZFE	4	79.00	327	41
46335	TOYOTA	5K-II	4	80.50	328	48
46336	TOYOTA	4A	4	81.00	333	67
46337	TOYOTA	2UZFE	8	94.00	353	148
46338	TOYOTA	2T/2TB	4	85.00	338	85
46339A	TOYOTA	RINO ALFIN	4	104.00	375	235
46340	TOYOTA	2ZZFE	4	82.00	334	71
46341	TOYOTA	1SZFE	4	69.00	317	1
46342	TOYOTA	4ZZFE	4	79.00	327	42
46343	TOYOTA	2AZFE	4	88.50	347	124
46344	TOYOTA	2TZ-FE-II	4	95.00	355	156
46345	TOYOTA	2E-II	4	73.00	321	17
46346	TOYOTA	4E-FE-II	4	74.00	321	19
46347	TOYOTA	5AFE NEW	4	78.70	326	40
46348AG	TOYOTA	2KD - FTV ALFIN GALLERY	4	92.00	367	200
46349	TOYOTA	4A-GEU-II	4	81.00	333	68
46350	TOYOTA	1UZFE-II	8	87.50	346	118
46351A	TOYOTA	2LT NEW-II ALFIN	4	92.00	367	201
46352	TOYOTA	2JZGE-II	6	86.00	343	108
46353	TOYOTA	1AZFE	4	86.00	340	94
46354	TOYOTA	2NZ-FE	4	75.00	322	23
46355	TOYOTA	2NZ-FE-II	4	75.00	322	24
46356	TOYOTA	3SZ-VE	4	72.00	318	5
46357	TOYOTA	3MZFE	6	92.00	350	135
46358	TOYOTA	7K-II	4	80.50	329	49
46359	TOYOTA	1RZ-III	4	86.00	340	95
46360	TOYOTA	2TR-FE	4	95.00	356	157
46361	TOYOTA	K3-VE	4	72.00	318	6
46362AG	TOYOTA	1HD-FT ALFIN GALLERY	6	94.00	369	208
46363-4	TOYOTA	2GR-FE	4	94.00	351	138
46363	TOYOTA	2GR-FE	6	94.00	352	142
46364	TOYOTA	1NZFE-II	4	75.00	323	25
46365	TOYOTA	1AZ-FSE	4	86.00	340	96
46366	TOYOTA	1TR-FE	4	86.00	341	97
46367	TOYOTA	3ZZ-FE	4	79.00	327	43
46368	TOYOTA	1GR-FE	6	94.00	352	143
46369	TOYOTA	2J-III	4	88.00	363	187
46370	TOYOTA	1NZ-FXE	4	75.00	323	26
46371	TOYOTA	1NZFE-III	4	75.00	323	27
46372	TOYOTA	1FZ-FE-III	6	100.00	357	163
46373	TOYOTA	3SFE-VII	4	86.00	341	98
46374A	TOYOTA	2C-IV ALFIN	4	86.00	360	175
46375	TOYOTA	2RZ-FE-III	4	95.00	356	158
46376	TOYOTA	4SFI-II	4	82.50	335	73
46377	TOYOTA	1G-FE	6	75.00	323	28



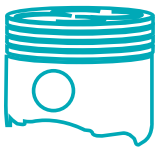
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46378	TOYOTA	3S-FSE	4	86.00	341	99
46379	TOYOTA	2AZFE-II	4	88.50	348	125
46381A	TOYOTA	S05C-II ALFIN	4	114.00	377	241
46382	TOYOTA	1ZR-FE	4	80.50	329	50
46383	TOYOTA	2ZR-FE	4	80.50	329	51
46384	TOYOTA	3ZR-FE	4	80.50	329	52
46385	TOYOTA	1SZFE-II	4	69.00	317	2
46386	TOYOTA	3GR-FE	6	87.50	345	114
46387	TOYOTA	3NR-FE	4	72.50	319	9
46388	TOYOTA	3UR-FE	8	94.00	354	149
46389AG	TOYOTA	2LT NEW ALFIN GALLERY	4	92.00	367	202
46390	TOYOTA	1NR-VE	4	72.50	319	10
46391	TOYOTA	2NR-VE	4	72.50	319	11
46392AG	TOYOTA	2GD FTV ALFIN GALLERY	4	92.00	367	203
46393AG	TOYOTA	1GD-FTV ALFIN GALLERY	4	92.00	368	204
46394	TOYOTA	2NR-FE	4	72.50	319	12
46395	TOYOTA	2UZ-FE-II	8	94.00	354	150
46396	TOYOTA	2GR-FSE	6	94.00	352	144
46397	TOYOTA	3GR-FSE	6	87.50	345	115
46398	TOYOTA	2ZR-FXE	4	80.50	330	53
46399	TOYOTA	1UR-FE	8	94.00	354	151
46400	TOYOTA	2AR-FXE	4	90.00	348	127
46401	TOYOTA	3UZ-FE	8	91.00	349	132
46402	TOYOTA	1ZR-FBE	4	80.50	330	54
46403	TOYOTA	2ZR-FBE	4	80.50	330	55
46404	TOYOTA	2GR-FKS	6	94.00	353	145
46405A	TOYOTA	8AR-FTS ALFIN	4	86.00	341	100
46406	TOYOTA	2NR-FE-II	4	72.50	320	13
46407	TOYOTA	3ZR-FE-III	4	80.50	330	56
46408	TOYOTA	2ZR-FXE-II	4	80.50	331	57
46600AG	TOYOTA	2LT LATE ALFIN GALLERY	4	92.00	366	198
46601A	TOYOTA	2C-III ALFIN	4	86.00	361	176
46602A	TOYOTA	2L-T, 2L-THE, 2L-TE ALFIN	4	92.00	366	199
46603	TOYOTA	2K	4	72.00	318	7
46604	TOYOTA	2A	4	76.00	324	31
46605	TOYOTA	5M	6	83.00	335	76
46606	TOYOTA	3VZE	6	87.50	345	116
46607	TOYOTA	2RZ, 2RZE	4	95.00	356	159
46608A	TOYOTA	11B-II ALFIN	4	95.00	370	215
46609A	TOYOTA	2CT-II ALFIN	4	86.00	361	177
46610	TOYOTA	1GE	6	75.00	324	29
46611A	TOYOTA	2H LATE ALFIN	6	91.00	365	194
46612	TOYOTA	4P(High)	4	76.60	325	33
46613A	TOYOTA	1Z ALFIN	4	96.00	371	219
46614	TOYOTA	2R	4	78.00	326	38
46615	TOYOTA	3P	4	76.60	325	34
46618	TOYOTA	4AGE	4	81.00	334	69
46619	TOYOTA	2TC	4	85.00	338	86

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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
46620	TOYOTA	3SFE-II	4	86.00	342	101
46621	TOYOTA	3SFE-III	4	86.00	342	102
46622A	TOYOTA	3B-II ALFIN	4	102.00	375	232
46623	TOYOTA	2F-II	6	94.00	353	146
46624A	TOYOTA	12H-T ALFIN	6	91.00	365	195
46625A	TOYOTA	14B-T ALFIN	4	102.00	375	233
46626A	TOYOTA	B LATE ALFIN	4	95.00	371	216
46627	TOYOTA	2S	4	84.00	336	80
46629AG	TOYOTA	3C ALFIN GALLERY	4	86.00	361	179
46630	TOYOTA	1C-III	4	83.00	359	169
46632	TOYOTA	5MGEU	6	83.00	336	77
46650	TOYOTA	1C-II	4	83.00	359	170
46651	TOYOTA	4P(Low)	4	76.60	325	35
46653	TOYOTA	21R-III	4	84.00	337	81
46654A	TOYOTA	1DZ ALFIN	4	86.00	362	180
46655A	TOYOTA	15BF ALFIN	4	108.00	376	239
46656AG	TOYOTA	15BF-T ALFIN GALLERY	4	108.00	377	240
46658	TOYOTA	1A	4	77.50	326	37
46659	TOYOTA	20R-II	4	88.50	348	126
46660	TOYOTA	2VZ-FE	6	87.50	346	117
46661	TOYOTA	1E, 1EL	4	70.50	317	3
46662	TOYOTA	13T	4	85.00	338	87
46663	TOYOTA	3SGE	4	86.00	342	103
46664	TOYOTA	4A-GEU - VVT	4	81.00	334	70
46665	TOYOTA	1UZFE	8	87.50	346	119
46666	TOYOTA	5VZ-FE	6	93.50	350	136
46667	TOYOTA	3SFE-IV	4	86.00	342	104
46668A	TOYOTA	13B-T ALFIN	4	102.00	375	234
46670	TOYOTA	1G-EU	6	75.00	324	30
46671AG	TOYOTA	1KZ-TE NEW ALFIN GALLERY	4	96.00	372	220
46674AG	TOYOTA	1HD-FTE ALFIN GALLERY	6	94.00	369	209
46675AG	TOYOTA	1KD-FTV ALFIN GALLERY	4	96.00	372	221
46676AG	TOYOTA	1ND-TV ALFIN GALLERY	4	73.00	358	164
46677	TOYOTA	1KR-FE	3	71.00	317	4
46678AG	TOYOTA	1AD-FTV ALFIN GALLERY	4	86.00	362	181
46679AG	TOYOTA	2AD-FHV ALFIN GALLERY	4	86.00	362	182
46680AG	TOYOTA	1CD-FTV ALFIN GALLERY	4	82.20	358	166
46682	TOYOTA	2Z NEW	4	98.00	373	225
46683	TOYOTA	2SZ-FE	4	72.00	318	8
46684	TOYOTA	1DZ NEW	4	86.00	361	178
46685	TOYOTA	13Z	6	98.00	373	226
46686AG	TOYOTA	1KD-FTV-II ALFIN GALLERY	4	96.00	372	222
46687	TOYOTA	2A-II	4	76.00	324	32
46688	TOYOTA	3ZR-FE-II	4	80.50	331	58
46689	TOYOTA	3SGE-II	4	86.00	343	105
46690AG	TOYOTA	1CD-FTV-II ALFIN GALLERY	4	82.20	358	167
46691AG	TOYOTA	1VD-FTV ALFIN GALLERY	8	86.00	363	185
46692	TOYOTA	1C NEW	4	83.00	359	171

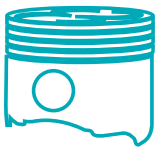
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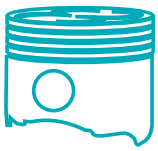
TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
46693	TOYOTA	2AR-FE	4	90.00	348	128
46694	TOYOTA	3RZ-F	4	95.00	356	160
46695AG	TOYOTA	2CT-III ALFIN GALLERY	4	86.00	362	183
46696AG	TOYOTA	2AD-FTV ALFIN GALLERY	4	86.00	363	184
46697	TOYOTA	1AR-FE	4	90.00	349	129
46698AG	TOYOTA	1KD-FTV-III ALFIN GALLERY	4	96.00	372	223
46699	TOYOTA	14Z	6	98.00	373	227
46700A	TOYOTA	N04C ALFIN	4	104.00	376	236
46701	TOYOTA	3S-FE-VI	4	86.00	343	106
46702	TOYOTA	1NR-FE	4	72.50	320	14
46703	TOYOTA	1GR-FE-II	6	94.00	353	147
47101	JEEP WILLYS	88 ANP	4	79.38	145	1
47102	JEEP WILLYS	488 ANP	4	79.38	145	2
48101A	VOLKSWAGEN	ME, JP, JK, DW, CS ALFIN	4	76.50	390	44
48102	VOLKSWAGEN	FR/JB, FP WV	4	79.50	382	16
48107	VOLKSWAGEN	ET/ZF/EP	4	75.00	381	9
48108	VOLKSWAGEN	1600-HIGH, 311	4	85.50	389	42
48109	VOLKSWAGEN	1600-LOW, AM	4	85.50	389	43
48110	VOLKSWAGEN	E-II, ABS KAT, DS, DX	4	81.00	383	17
48111	VOLKSWAGEN	9A, 9A 4V KAT	4	82.50	386	29
48112	VOLKSWAGEN	DJ	4	94.00	392	55
48113	VOLKSWAGEN	ABA	4	82.50	386	30
48201	VOLKSWAGEN	JS KAT	4	81.01	385	25
48203	VOLKSWAGEN	AEG	4	82.50	386	31
48204	VOLKSWAGEN	AEB	4	81.00	383	18
48205	VOLKSWAGEN	AEB-II	4	81.00	383	19
48206	VOLKSWAGEN	2.5 / 2.6 MICROBUS	5	82.50	388	37
48207	VOLKSWAGEN	ABA-II	4	82.50	386	32
48208	VOLKSWAGEN	BGP/BGQ	5	82.50	388	38
48209	VOLKSWAGEN	LUPO	4	76.50	381	11
48210	VOLKSWAGEN	EA111 RSH	4	67.11	379	1
48211	VOLKSWAGEN	EA111	4	67.11	379	2
48212	VOLKSWAGEN	EA111 ALCOOL	4	67.11	379	3
48213	VOLKSWAGEN	EA111-II	4	67.11	379	4
48214	VOLKSWAGEN	EA111 RSH-II	4	67.11	380	5
48215	VOLKSWAGEN	2.0 L LATE	4	82.50	387	33
48216	VOLKSWAGEN	1.8L	4	81.00	383	20
48218A	VOLKSWAGEN	BZB ALFIN	4	82.51	388	40
48219	VOLKSWAGEN	1.8L-II	4	81.00	384	21
48220AG-3	VOLKSWAGEN	POLO ALFIN GALLERY	3	79.51	391	50
48220AG	VOLKSWAGEN	VENTO ALFIN GALLERY	4	79.51	391	51
48221	VOLKSWAGEN	1.4 TURBO	4	76.51	382	14
48222AG	VOLKSWAGEN	2.0 LT TDI ALFIN GALLERY	4	81.00	392	52
48223	VOLKSWAGEN	2.8L	6	81.00	384	24
48224	VOLKSWAGEN	AAF	5	81.00	384	23
48225	VOLKSWAGEN	AMX	6	82.50	388	39

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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
48226AG	VOLKSWAGEN	AXB TURBO ALFIN GALLERY	4	79.50	390	46
48227A	VOLKSWAGEN	BJK TURBO ALFIN	5	81.00	392	53
48228	VOLKSWAGEN	CAXA	4	76.51	382	15
48229	VOLKSWAGEN	CZCA	4	74.51	380	8
48230	VOLKSWAGEN	CBZB	4	71.01	380	6
48231	VOLKSWAGEN	CZDA	4	74.50	380	7
48232A	VOLKSWAGEN	CDAB ALFIN	4	82.51	389	41
48233A	VOLKSWAGEN	CZPA ALFIN	4	82.50	387	34
48600	VOLKSWAGEN	PL 4 KAT	4	81.00	385	26
48601A	VOLKSWAGEN	1G / 1V / CY TURBO ALFIN	4	76.50	390	45
48602A	VOLKSWAGEN	1X / 1Y / AAB ALFIN	4	79.50	390	47
48603A	VOLKSWAGEN	AAZ / ABL / ADE TURBO ALFIN	4	79.50	391	48
48604	VOLKSWAGEN	1F / ABN / DT / EW	4	81.00	384	22
48605	VOLKSWAGEN	2G / AAV / HK	4	75.00	381	10
48606	VOLKSWAGEN	ADP / AEK / AFT	4	81.01	385	27
48607	VOLKSWAGEN	AEA / AEE / AHS / ALM	4	76.50	381	12
48608	VOLKSWAGEN	AFH / AFK / AHW	4	76.50	382	13
48609	VOLKSWAGEN	AAM/ADF/DS/EX/RP	4	81.01	385	28
48610	VOLKSWAGEN	2E,ADY,AGG	4	82.50	387	35
48611A	VOLKSWAGEN	BPY / CBFA/ CCTA ALFIN	4	82.50	387	36
48612AG	VOLKSWAGEN	ANU/ATD/AVB/AVQ ALFIN GALLERY	4	79.50	391	49
48613A	VOLKSWAGEN	ACV/ AGX/AHD/AHY ALFIN	5	81.00	392	54
49101	DAEWOO	LE MANS 1.5	4	76.50	20	3
49102	DAEWOO	NUBIRA	4	79.00	21	7
49103	DAEWOO	CIELO 1.5	4	76.50	20	4
49104	DAEWOO	F8C	3	68.50	20	1
49105	DAEWOO	NUBIRA-II	4	76.50	21	5
49106	DAEWOO	MATIZ II	4	68.50	20	2
49107	DAEWOO	NUBIRA-IV	4	76.50	21	6
50101	LEYLAND	4.98 NV	4	98.00	157	1
51101	HYUNDAI	J2 (BETA)	4	77.40	100	27
51102A	HYUNDAI	D4BB ALFIN	4	91.10	111	68
51103A	HYUNDAI	D4AF ALFIN	4	104.00	112	73
51104	HYUNDAI	G4EK - ALPHA - F1	4	75.50	97	14
51105	HYUNDAI	G4DR - BETA - J2	4	82.00	102	34
51108A	HYUNDAI	D4BA ALFIN	4	91.10	111	69
51110	HYUNDAI	G6BV	4	86.50	104	44
51111	HYUNDAI	G6BV DELTA	6	84.00	103	40
51112A	HYUNDAI	D4AE ALFIN	4	100.00	112	72
51113	HYUNDAI	G6BA	6	86.70	105	45
51114	HYUNDAI	G4DM	4	81.50	102	33
51115	HYUNDAI	1.6L	4	76.50	98	19
51116	HYUNDAI	G4FK	4	75.50	97	15
51117	HYUNDAI	ATOZ	4	66.00	94	2
51118	HYUNDAI	ATOZ-II	4	63.00	94	1



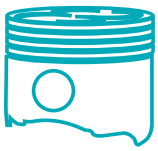
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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
51119	HYUNDAI	G4EB	4	75.50	97	16
51120	HYUNDAI	G4DR - BETA - J2 - II	4	82.00	102	35
51121	HYUNDAI	XD	4	76.50	98	20
51122	HYUNDAI	MATRIX 1.8L	4	82.00	102	36
51123	HYUNDAI	XG350	6	93.00	107	56
51124	HYUNDAI	DELTA 2.7L	6	86.70	105	46
51125	HYUNDAI	Y2	4	80.60	101	29
51127	HYUNDAI	2.0L	4	82.00	103	37
51128	HYUNDAI	ATTITUDE	4	75.50	98	17
51129	HYUNDAI	X3-II	4	71.50	96	9
51130	HYUNDAI	G4JP	4	85.00	104	41
51131	HYUNDAI	G4GF	4	82.00	103	38
51132	HYUNDAI	SONATA 3.8L	6	96.00	108	57
51133	HYUNDAI	SONATA 3.3L	6	92.00	106	52
51134	HYUNDAI	ACCENT 1.5L	4	75.50	98	18
51135	HYUNDAI	SONATA 2.4L	4	88.00	105	48
51136	HYUNDAI	AVANTE 1.6L	4	77.00	99	21
51137	HYUNDAI	15D	4	79.70	100	28
51138	HYUNDAI	SANTA FE	6	86.70	105	47
51139	HYUNDAI	G6DB	6	92.00	107	53
51140	HYUNDAI	KAPPA2	4	71.00	95	5
51141	HYUNDAI	SANTRO XING 1.0	4	66.00	94	3
51142AG	HYUNDAI	i20 MAGNA CRDI ALFIN GALLERY	4	75.00	109	59
51144	HYUNDAI	G4KD	4	86.00	104	42
51145	HYUNDAI	G4FC-II	4	77.00	99	22
51146	HYUNDAI	ELANTRA	4	81.00	101	30
51147	HYUNDAI	G6DB-II	6	92.00	107	54
51148	HYUNDAI	NU 2.0L	4	81.00	101	31
51149	HYUNDAI	G4FA	4	77.00	99	23
51150AG	HYUNDAI	D4FA ALFIN GALLERY	4	75.00	109	60
51151	HYUNDAI	G4GC	4	82.00	103	39
51152	HYUNDAI	SANTRO XING ERLX 1.1 L	4	67.00	94	4
51153	HYUNDAI	ACCENT 1.4	4	72.00	96	11
51154AG	HYUNDAI	D4FB ALFIN GALLERY	4	77.20	109	61
51155	HYUNDAI	G4FJ	4	77.00	99	24
51156	HYUNDAI	KAPPA 1.25 MPI	4	71.00	95	6
51157	HYUNDAI	G4LA-II	4	71.00	95	7
51158AG	HYUNDAI	i10 GRAND ALFIN GALLERY	3	75.00	109	58
51159	HYUNDAI	G4FA-II	4	77.00	100	25
51160	HYUNDAI	G4NC	4	81.00	101	32
51161	HYUNDAI	G4KC	4	88.00	106	49
51162G	HYUNDAI	G4LE GALLERY	4	72.00	96	12
51163AG	HYUNDAI	D4HA ALFIN GALLERY	4	84.00	110	64
51164	HYUNDAI	G4KJ 2.4 GDI	4	88.00	106	50
51165A	HYUNDAI	G4KH ALFIN	4	86.00	104	43
51166	HYUNDAI	G4LC	4	72.00	97	13
51167A	HYUNDAI	1.6L GDI ALFIN	4	77.00	100	26
51168	HYUNDAI	G6DB-III	6	92.00	107	55

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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
51600	HYUNDAI	X3, G4EH	4	71.50	96	10
51602AG	HYUNDAI	D4DA ALFIN GALLERY	4	104.00	113	74
51603AG	HYUNDAI	D4CB CRDI ALFIN GALLERY	4	91.00	111	66
51604A	HYUNDAI	D3EA ALFIN	3	83.00	110	62
51604A-4	HYUNDAI	D4EA ALFIN	4	83.00	110	63
51605AG	HYUNDAI	D4EB-F/D4EB-G ALFIN GALLERY	4	87.00	110	65
51606AG	HYUNDAI	D4BH ALFIN GALLERY	4	91.10	112	70
51607A	HYUNDAI	D4AF-III ALFIN	4	104.00	113	75
51608AG	HYUNDAI	D4CB TCi ALFIN GALLERY	4	91.00	111	67
51611AG	HYUNDAI	J3TCi-II ALFIN GALLERY	4	97.10	112	71
51612	HYUNDAI	G4LA	4	71.00	95	8
51613	HYUNDAI	G4KE / G4KG	4	88.00	106	51
52101	KIA	FE	4	86.00	149	13
52102	KIA	DC	4	75.50	147	5
52103	KIA	B6D	4	78.00	147	7
52105	KIA	CARNIVAL	6	80.00	148	10
52106	KIA	PICANTO	4	67.00	146	1
52107AG	KIA	CARNIVAL-II ALFIN GALLERY	4	97.10	150	15
52108	KIA	CREDOS	4	81.00	148	11
52110	KIA	B1	4	68.00	146	2
52111	KIA	RIO 1.6L	4	78.00	147	8
52112	KIA	SPECTRA	4	81.00	148	12
52113	KIA	SEPHIA-II	4	78.00	148	9
52114	KIA	ION	3	71.00	146	3
52114-4	KIA	ION	4	71.00	146	4
52650AG	KIA	RFA ALFIN GALLERY	4	93.00	150	14
52651AG	KIA	JT 3.0 ALFIN GALLERY	4	98.00	150	16
52652A	KIA	JD K3500 ALFIN	4	100.00	150	17
52653G	KIA	SH K3600 GALLERY	4	100.00	151	18
52654	KIA	A3E	4	75.50	147	6
52656G	KIA	SH K3600 NEW-II GALLERY	4	100.00	151	19
53101	ASIA	TOWNER	3	70.00	3	1
54101	BMW	M 20 B 20 L	6	80.00	6	1
54102	BMW	M 20 B 25 M1 Z7 KAT	6	84.00	6	2
55101	SUBARU	EJ22, EJ22E	4	96.90	296	12
55102	SUBARU	EJ20-T	4	92.00	295	7
55103	SUBARU	EJ25	4	99.50	297	13
55104	SUBARU	EJ25-II	4	99.50	297	14
55105	SUBARU	EJ255-T	4	99.50	297	15
55106	SUBARU	EZ30D	6	89.20	295	5
55107	SUBARU	EZ30D-II	6	89.20	295	6
55108	SUBARU	EJ255-II	4	99.50	297	16
55109	SUBARU	EJ255-III	4	99.50	298	17
55110	SUBARU	FB20	4	84.00	294	3



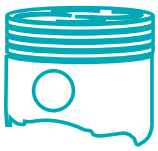
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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
55111	SUBARU	FB20-II	4	84.00	294	4
55650	SUBARU	EF10	3	78.00	294	1
55651	SUBARU	EA71	4	92.00	295	8
55652	SUBARU	EF12	3	78.00	294	2
55653	SUBARU	EA82	4	92.00	296	9
55654	SUBARU	EJ20	4	92.00	296	10
55655	SUBARU	EJ20-T-II	4	92.00	296	11
56101	OPEL	1300S, 13S	4	75.00	279	2
56102	OPEL	1.6 SE	4	79.00	280	6
56103	OPEL	1.6 SV, 16 SV KAT	4	79.00	280	7
56104	OPEL	1800	4	84.80	281	11
56105	OPEL	20E CIH, 20S	4	95.00	283	18
56105-6	OPEL	3.0 E/NE	6	95.00	283	19
56106	OPEL	1.3 NE	4	75.00	279	3
56107	OPEL	C20XE4V KAT	4	86.00	281	12
56108	OPEL	2.0 X	4	86.00	282	13
56109	OPEL	1.6 LZ	4	79.00	280	8
56110	OPEL	Z 1.4 XE	4	77.60	279	4
56111	OPEL	Z 22 SE	4	86.00	282	14
56112	OPEL	C20NE KAT	4	86.00	282	15
56113	OPEL	X18XE	4	80.50	281	10
56600	OPEL	14 NV, 14 NVH	4	77.60	280	5
56601	OPEL	20 SE, X20 SE KAT	4	86.00	282	16
56603	OPEL	X 1.6 XE / XEL	4	79.00	281	9
56604	OPEL	C 2.0 XEV	4	86.00	283	17
56605A	OPEL	Y 13 DT/Z 13 DT ALFIN	4	69.60	284	20
56606A	OPEL	Y 17 DT/DTL ALFIN	4	79.00	284	21
56607	OPEL	X 1.2 SZ	4	72.00	279	1
57101	ACURA	C35A1	6	90.00	1	1
58101	GENERAL MOTORS	MOT.146	4	90.00	56	20
58102	GENERAL MOTORS	L61	4	86.00	54	12
58103	GENERAL MOTORS	ASTRA	4	87.50	55	16
58104	GENERAL MOTORS	CORSA MPFI	4	71.10	52	2
58105	GENERAL MOTORS	CORSA EFI	4	71.10	52	3
58106	GENERAL MOTORS	HCV	4	71.10	52	4
58107	GENERAL MOTORS	HCV FLEX	4	71.10	53	5
58108	GENERAL MOTORS	191	6	89.00	56	18
58109	GENERAL MOTORS	213/LX9	6	94.00	57	23
58110	GENERAL MOTORS	B207R	4	86.00	55	13
58111	GENERAL MOTORS	LLV	4	95.50	58	25
58111-5	GENERAL MOTORS	LLR	5	95.50	58	26
58112	GENERAL MOTORS	5.7L (350)	8	101.60	59	31
58117	GENERAL MOTORS	AVEO	4	76.50	53	8
58118AG	GENERAL MOTORS	CAPTIVA ALFIN GALLERY	4	83.00	61	34
58119	GENERAL MOTORS	1.8L	4	80.50	54	10

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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
58120	GENERAL MOTORS	2.2L	4	89.00	56	17
58121	GENERAL MOTORS	4.3L	6	101.60	59	30
58122	GENERAL MOTORS	ECOTEC	4	86.00	55	14
58123	GENERAL MOTORS	5.3L	8	96.00	58	27
58124	GENERAL MOTORS	VENTURE 3.4	6	92.00	57	21
58125	GENERAL MOTORS	3.1L	6	89.00	56	19
58126	GENERAL MOTORS	LY7	6	94.00	57	24
58127A	GENERAL MOTORS	LYX 1.5L TURBO ALFIN	4	74.00	53	7
58128AG	GENERAL MOTORS	LWN 2.8L VGT ALFIN GALLERY	4	94.00	61	35
58129	GENERAL MOTORS	3.9L	6	99.00	59	29
58130	GENERAL MOTORS	CRUZE	4	79.00	54	9
58131	GENERAL MOTORS	2.0L	4	86.00	55	15
58132	GENERAL MOTORS	4.2L	6	93.00	57	22
58133	GENERAL MOTORS	1.4L TURBO	4	72.50	53	6
58134	GENERAL MOTORS	4.8L-II	8	96.01	58	28
58135	GENERAL MOTORS	ESCALADE	8	103.25	60	33
58136	GENERAL MOTORS	N18XFH	4	80.50	54	11
58138	GENERAL MOTORS	VORTEC VIN 6	8	101.60	59	32
58139	GENERAL MOTORS	1.2L	4	69.70	52	1
59101	LADA	2101	4	76.00	154	1
59103	LADA	21011	4	79.00	154	2
59105	LADA	21083	4	82.00	154	4
59106	LADA	2110	4	82.00	155	5
59107	LADA	VAZ 2112	4	82.00	155	6
59108	LADA	21213	4	82.00	155	7
59109	LADA	VAZ 2105	4	79.00	154	3
60102	VOLGA	GAZ 4062.10	4	92.00	378	1
60103	VOLGA	405	4	95.55	378	2
60104	VOLGA	GAZ 421	4	100.00	378	3
61601	AUDI	AAR / NF / NG	5	82.50	4	1
62101A-2	TATA	ACE ALFIN	2	75.00	314	2
62101A	TATA	INDICA ALFIN	4	75.00	314	4
62102A	TATA	407 TURBO ALFIN	4	97.00	315	8
62103A	TATA	207 ALFIN	4	83.00	315	7
62104A	TATA	ACE-II ALFIN	2	75.00	314	3
62104A-4	TATA	INDICA-II ALFIN	4	75.00	314	5
62105AG	TATA	1.4 DICOR ALFIN GALLERY	4	75.00	315	6
62106	TATA	ACE CNG	2	75.00	313	1
63101A	ASHOK LEYLAND	6ETI ALFIN	6	104.00	2	1
63102A	ASHOK LEYLAND	6DTI ALFIN	6	104.00	2	2
64101A-1	KOMATSU	S6D95 ALFIN	1	95.00	152	1
64101A	KOMATSU	S6D95 ALFIN	6	95.00	152	3

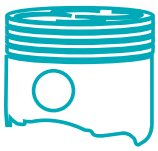
PISTON LIST

TEIKIN™
PISTONS • RINGS • LINERS

TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
64102A-1	KOMATSU	S6D102 ALFIN	1	102.00	152	4
64102A	KOMATSU	S6D102 ALFIN	6	102.00	153	5
64601A	KOMATSU	4D95 ALFIN	4	95.00	152	2
64602A	KOMATSU	4D105 ALFIN	4	105.00	153	6
65001A	EICHER	4D31 ALFIN	4	100.00	29	1
65002A	EICHER	483 TC ALFIN	4	100.00	29	2
66101A	MAHINDRA	SCORPIO CRD ALFIN	4	94.00	159	5
66103A	MAHINDRA	MDI 3200 ALFIN	4	88.90	158	3
66104	MAHINDRA	XD3P	4	94.00	158	4
66105A	MAHINDRA	MAXIMO ALFIN	2	83.00	158	1
66106A	MAHINDRA	SCORPIO M HAWK ALFIN	4	85.00	158	2
67101	PEUGEOT	TU3 JP	4	75.00	287	1
67102	PEUGEOT	XU5 JP	4	83.00	288	6
67103	PEUGEOT	XN1/XN1A/XN1T	4	88.00	288	8
67104	PEUGEOT	1.6L	4	78.50	287	4
67106	PEUGEOT	TU5JP4	4	78.50	288	5
67107	PEUGEOT	EW10A	4	85.00	288	7
67108	PEUGEOT	EP6C	4	77.00	287	2
67110	PEUGEOT	EP6	4	77.00	287	3
68101A	TEMPO	TRAVELLER ALFIN	4	90.90	316	1
69101AG	SSANGYONG	ACTYON 2.0L ALFIN GALLERY	4	86.20	293	1
70101	RENAULT	2.0 L	4	82.70	290	7
70102	RENAULT	2.0 L-II	4	82.70	290	8
70103A	RENAULT	K9K ALFIN	4	76.00	292	10
70104	RENAULT	D4F	4	69.00	289	1
70105	RENAULT	D7F	4	69.00	289	2
70106	RENAULT	2.0L-III	4	82.70	291	9
70108	RENAULT	K4J	4	79.50	289	3
70109	RENAULT	K7M-III	4	79.50	289	4
70600	RENAULT	K4M	4	79.50	290	5
70601	RENAULT	K7J 710	4	79.50	290	6
72101	GEELY	EMGRAND	4	77.80	51	1
G0101	KUBOTA	KND 3B	1	68.00	396	1
G0102	KUBOTA	KND 5B	1	80.00	399	15
G0103	KUBOTA	KND 70A	1	78.00	398	11
G0104	KUBOTA	KND 80	1	84.00	402	27
G0105	KUBOTA	KND 90/120	1	95.00	407	48
G0106	KUBOTA	KND 85	1	84.00	402	28
G0107	KUBOTA	KND 105	1	92.00	406	44
G0108	KUBOTA	KND 110	1	92.00	407	45

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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
G0109	KUBOTA	KND 180	1	110.00	408	49
G0110	KUBOTA	KND 190	1	110.00	408	50
G0111	KUBOTA	RD 65	1	80.00	399	16
G0112	KUBOTA	JD75	1	78.00	398	12
G0113	KUBOTA	GA80	1	82.00	400	18
G0114	KUBOTA	GA 90	1	90.00	406	43
G0115	KUBOTA	KND 220	1	116.00	408	51
G0116	KUBOTA	KND40	1	75.00	396	2
G0117	KUBOTA	KND 250	1	118.00	408	52
G0118	KUBOTA	RD 85	1	86.00	404	33
G0119	KUBOTA	KND 95Di	1	86.00	404	34
G0120	KUBOTA	GA70	1	75.00	396	3
G0121	KUBOTA	RD 75	1	82.00	400	19
G0122	KUBOTA	RD 105	1	92.00	407	46
G0123	KUBOTA	RD 55	1	76.00	396	4
G0124	KUBOTA	RD 85S	1	88.00	406	42
G0125A-1	KUBOTA	V2203DI ALFIN	1	87.00	404	35
G0125	KUBOTA	V2203DI	4	87.00	405	38
G0126-1	KUBOTA	V1702DI	1	82.00	400	20
G0126	KUBOTA	V1702DI	4	82.00	401	22
G0127-1	KUBOTA	V1512DI	1	76.00	397	5
G0127	KUBOTA	V1512DI	4	76.00	397	8
G0128A-1	KUBOTA	V2203 ALFIN	1	87.00	404	36
G0128	KUBOTA	V2203	4	87.00	405	39
G0129-1	KUBOTA	V1702	1	82.00	401	21
G0129	KUBOTA	V1702	4	82.00	401	23
G0130A-1	KUBOTA	1512 TCVS ALFIN	1	76.00	397	6
G0130A	KUBOTA	1512 TCVS ALFIN	4	76.00	398	9
G0131-1	KUBOTA	V1502	1	76.00	397	7
G0131	KUBOTA	V1502	4	76.00	398	10
G0132-1	KUBOTA	1902DI	1	85.00	403	29
G0132	KUBOTA	1902DI	4	85.00	403	30
G0133A	KUBOTA	83MM ALFIN	1	83.00	401	24
G0134	KUBOTA	RD 65 DIS	1	80.00	400	17
G0135-1	KUBOTA	4D78	1	78.00	399	13
G0135	KUBOTA	4D78	4	78.00	399	14
G0136-1	KUBOTA	4D85	1	85.00	403	31
G0136	KUBOTA	4D85	4	85.00	403	32
G0137	KUBOTA	RD 115	1	94.00	407	47
G0600A-1	KUBOTA	D1503 ALFIN	1	83.00	402	25
G0600A	KUBOTA	D1503 ALFIN	3	83.00	402	26
G0601A-1	KUBOTA	V2403T ALFIN	1	87.00	405	37
G0601A	KUBOTA	V2403T ALFIN	4	87.00	405	40
G0602	KUBOTA	V2403	4	87.00	406	41
G1101	YANMAR	TS 50	1	70.00	411	1
G1102	YANMAR	TS 60	1	75.00	411	3
G1103	YANMAR	TS 70	1	80.00	413	9



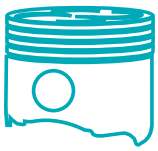
PISTON LIST

TEIKIN™
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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
G1104	YANMAR	TS 105	1	85.00	414	14
G1105	YANMAR	TS 130	1	92.00	415	20
G1106	YANMAR	TS 155	1	95.00	416	22
G1107	YANMAR	TS 180	1	102.00	417	26
G1108	YANMAR	TS 190	1	109.90	418	29
G1109	YANMAR	TS 230	1	112.00	418	30
G1110A	YANMAR	2T ALFIN	1	95.00	416	23
G1111	YANMAR	TF 65	1	78.00	412	6
G1112	YANMAR	TF 75	1	80.00	413	10
G1113	YANMAR	TF 85	1	85.00	414	15
G1114	YANMAR	TF 105	1	88.00	415	19
G1115	YANMAR	TF 85-II	1	85.00	414	16
G1116	YANMAR	TF 155	1	102.00	417	27
G1117A	YANMAR	TF 300 ALFIN	1	125.00	418	31
G1118	YANMAR	TF 55	1	75.00	411	4
G1119A	YANMAR	3T ALFIN	1	95.00	416	24
G1120	YANMAR	TF 65-II	1	78.00	412	7
G1121-1	YANMAR	4D84	1	84.00	413	11
G1121	YANMAR	4D84	4	84.00	413	12
G1122	YANMAR	TF 140	1	96.00	417	25
G1123	YANMAR	3D84-II	4	84.00	414	13
G1601	YANMAR	TS 105-II	1	85.00	415	17
G1602	YANMAR	TS 180-II	1	102.00	417	28
G1603	YANMAR	TS 50-II	1	70.00	411	2
G1604	YANMAR	TS 60-II	1	75.00	412	5
G1605	YANMAR	TS 70-II	1	79.90	412	8
G1606	YANMAR	TF 120	1	92.00	416	21
G1607	YANMAR	4TNE86	4	86.00	415	18
G2101	MITSUBISHI	MN55	1	68.00	409	2
G2102	MITSUBISHI	MN 240	1	113.00	410	6
G2103	MITSUBISHI	MN 110	1	88.00	410	5
G2104	MITSUBISHI	NM75	1	78.00	409	3
G2105	MITSUBISHI	NM45	1	65.00	409	1
G2106	MITSUBISHI	NM90	1	80.00	409	4
G3101	DONG FENG	95MM 5R	1	95.00	432	8
G3104	DONG FENG	1100 MM	1	100.00	433	10
G3105	DONG FENG	95MM 4R	1	95.00	433	9
G3106	DONG FENG	1110 MM	1	109.90	433	11
G4101	HONDA	G-200	1	67.00	431	3
G4102	HONDA	GX 390	1	88.00	432	6
G4103	HONDA	GX 160	1	68.00	432	5
G4104	HONDA	GX 420	1	90.00	432	7
G5101	ROBIN	EY-15	1	63.00	431	2
G5102	ROBIN	EY-20	1	67.00	431	4

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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
G6101	STIHL	58 MM 2R	1	58.00	431	1
G8101	PERKINS	6.354	6	98.43	285	3
G8102A	PERKINS	68322 (NEW) ALFIN	4	91.48	285	1
G8103	PERKINS	4.248	4	101.05	287	7
G8104	PERKINS	4.236, A 4.236	4	98.48	286	5
G8105A	PERKINS	MOT 6.354-II ALFIN	6	98.43	285	4
G8106A	PERKINS	MF-5F ALFIN	4	91.48	285	2
G8107A	PERKINS	26.63 ALFIN	4	98.48	286	6
G9102	CUM	MC1	1	92.08	394	8
G9106	BEN	MC2	2	66.68	393	2
G9107	MID	MC3	2	69.85	393	3
G9108	CUM	MC4	1	98.35	395	9
G9109	BENDIX	MC5	2	70.50	393	4
G9110	BENDIX	MC6	2	70.50	394	5
G9111	CLAYTON	DEWANDRE	1	66.68	393	1
G9112	MITSUBISHI	6D16	1	80.00	394	6
G9113	MITSUBISHI	6D16T	1	80.00	394	7
M1101	YAMAHA	MARINE ENGINE	1	78.00	428	2
M1102P	YAMAHA	115/225 HP	4	90.00	428	3
M1102P-6	YAMAHA	115/225 HP	6	90.00	429	6
M1103P	YAMAHA	115/225 HP-II	4	90.00	428	4
M1103P-6	YAMAHA	115/225 HP-II	6	90.00	429	7
M1104P	YAMAHA	SPECIAL J	4	90.00	429	5
M1104P-6	YAMAHA	SPECIAL J	6	90.00	429	8
M1105P	YAMAHA	225/250 HP	6	90.00	430	9
M1106	YAMAHA	WAVE RUNNER VX 110	4	76.00	428	1
M2101	MERCURY	LOW DOME 2.8750"	3	73.03	423	3
M2101-6	MERCURY	LOW DOME 2.8750"	6	73.03	425	9
M2102	MERCURY	LOW DOME 2.8750"-II	3	73.03	423	4
M2102-6	MERCURY	LOW DOME 2.8750"-II	6	73.03	425	10
M2103	MERCURY	HIGH DOME 2.8750"	2	73.03	423	1
M2103-3	MERCURY	HIGH DOME 2.8750"	3	73.03	424	5
M2103-4	MERCURY	HIGH DOME 2.8750"	4	73.03	424	7
M2103-6	MERCURY	HIGH DOME 2.8750"	6	73.03	425	11
M2104	MERCURY	HIGH DOME 2.8750" -II	2	73.03	423	2
M2104-3	MERCURY	HIGH DOME 2.8750" -II	3	73.03	424	6
M2104-4	MERCURY	HIGH DOME 2.8750" -II	4	73.03	424	8
M2104-6	MERCURY	HIGH DOME 2.8750" -II	6	73.03	425	12
M2105P	MERCURY	LOOPER 3.1250"	6	79.38	426	13
M2106P	MERCURY	LOOPER 3.3750"	6	85.73	426	14
M2107P	MERCURY	OPTIMAX 2.5L	6	88.90	427	17
M2108P	MERCURY	2.5L	6	88.90	427	18
M2109	MERCURY	3.5"	3	88.90	426	15
M2109-4	MERCURY	3.5"	4	88.90	426	16



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TEIKIN NO.	ENGINE MODEL		CYL	BORE Ø (MM)	PAGE	BOX NO.
M3101	JOHNSON	CROSS FLOW 2.1880"	2	55.58	419	1
M3102	JOHNSON	LOOPER 3.0000"	3	76.20	419	3
M3103	JOHNSON	CROSS FLOW 3.0000"	2	76.20	419	2
M3104	JOHNSON	LOOPER	3	80.96	420	5
M3105	JOHNSON	LOOPER 3.1875"	2	80.96	419	4
M3106P	JOHNSON	LOOPER 3.5000"	4	88.90	420	6
M3106P-6	JOHNSON	LOOPER 3.5000"	6	88.90	420	8
M3106P-8	JOHNSON	LOOPER 3.5000"	8	88.90	421	10
M3107	JOHNSON	CROSS FLOW 3.5000"	4	88.90	420	7
M3107-6	JOHNSON	CROSS FLOW 3.5000"	6	88.90	421	9
M3108P	JOHNSON	3.600"	4	91.44	421	11
M3108P-6	JOHNSON	3.600"	6	91.44	421	12
M3109	JOHNSON	CROSS FLOW 3.6250"	6	92.07	422	13
M3110P	JOHNSON	3.685"	4	93.60	422	14
M3110P-6	JOHNSON	3.685"	6	93.60	422	15
M3110P-8	JOHNSON	3.685"	8	93.60	422	16

TEIKIN™

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PISTON PIN LIST

PISTON PIN LIST

TEIKIN™
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SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
11.11 x 57.00	P G9111	G9111	CLA DEWANDRE
13.49 x 59.48	P G9106	G9106	BEN MC2
13.49 x 62.99	P G9109	G9109	BEN MC5
		G9110	BEN MC6
14.00 x 52.00	P G5101	G5101	ROB EY-15
		G5102	ROB EY-20
14.26 x 46.00	P M3101	M3101	JOH CROSS FLOW 2.1880"
14.27 x 60.73	P G9107	G9107	MID MC3
15.00 x 42.00	P G6101	G6101	STIHL 58 MM 2R
15.00 x 53.50	P G4101	G4101	HON G-200
16.00 x 46.00	P 43680	43680	MIT 4A31
16.00 x 48.00	P 45154	45154	SUZ ALTO 800 CC LXI
16.00 x 49.00	P 45114	45114-3	SUZ F5A
		45114	SUZ F8A, LJ80
		45138	SUZ F6A
		45146-3	SUZ ALTO LXI
		45146	SUZ WAGON R
		45652	SUZ F8A
16.00 x 52.50	P 45113	45117	SUZ F10A, SJ410
		49104	DAE F8C
16.00 x 53.50	P 45122	45122	SUZ SS80
16.00 x 71.00	P G9112	G9112	MIT 6D16
		G9113	MIT 6D16T
17.00 x 45.00	P 48210	48210	VW EA111 RSH
		48211	VW EA111
		48212	VW EA111 ALCOOL
		48213	VW EA111-II
		48214	VW EA111 RSH-II
		51141	HYU SANTRO XING 1.0
17.00 x 46.50	P 51117	51117	HYU ATOZ
		51118	HYU ATOZ-II
		51152	HYU SANTRO XING ERLX 1.1 L
		52106	KIA PICANTO
17.00 x 50.00	P 45141	45141	SUZ K12A
17.00 x 51.50	P M1106	M1106	YAM WAVE RUNNER VX 110
17.00 x 52.00	P 48209	30129	CHE SPARK 1.0
		48209	VW LUPO
		48607	VW AEA / AEE / AHS / ALM
17.00 x 53.00	P 49106	30109	CHE SPARK GT 1.2
		32106	DAI S-38P (NEW)
		49106	DAE MATIZ II
17.00 x 54.00	P 48608	48608	VW AFH / AFK / AHW
17.00 x 58.00	P 44600	44600	NIS MA10
		44650	NIS MA10-II
		44704	NIS MA12S
17.00 x 62.00	P 38109	38109	HON EN
		38112	HON ED1
		38147	HON EJ
		38166	HON EF1
		38650	HON EM1
		38670	HON EB5
17.00 x 65.00	P 45125	45125	SUZ G10 NEW
		45125-4	SUZ G13 NEW
		45126	SUZ G10
		45126-4	SUZ G13
		45128	SUZ G13B
		45650	SUZ G13-II
17.45 x 62.00	P 44122	44122	NIS E10S
17.45 x 65.50	P 44256	44102	NIS A12
		44256	NIS A10
17.47 x 69.85	P G9102	G9102	CUM MC1
		G9108	CUM MC4
17.50 x 54.00	P 70104	70104	REN D4F
		70105	REN D7F
17.97 x 49.00	P 34125	34125	FIA FIRE 1.3L 8V
		34126	FIA FIRE 1.3L 16V
		34127	FIA FIRE FLEX 1.3L 8V
		34128	FIA FIRE FLEX 1.4L 8V
		34133	FIA 1.4L 8V EVO LF
17.97 x 53.00	P 34122	34122	FIA FIRE 16V
		34123	FIA FIRE 8V
		34124	FIA FIRE FLEX 8V
		34139	FIA DOBLO 1.4L
17.98 x 52.40	P 34119	34119	FIA 160 A3
		34121	FIA UNO 1100
17.98 x 55.00	P 67101	67101	PEU TU3 JP
18.00 x 39.00	P 32154	32154	DAI KF-DET
		32155	DAI KF-VE-II
18.00 x 43.00	P 42224	30123	CHE SAIL 1.5L
		42224	MAZ SKYACTIV-G 1.5L
		67108	PEU EP6C
18.00 x 46.50	P 45148	45148	SUZ K14B
		45160	SUZ K12M
18.00 x 47.50	P 30110	30110	CHE SAIL 1.4 L
		30114	CHE SPIN 1.5
		30116	CHE SPARK 1.25 L
		30128	CHE NEW OPTRA
		32153	DAI 1KR-DE
		45156	SUZ K15B
		45158	SUZ K15B-C
		45162	SUZ K12B
		45163	SUZ K12B-II
		46341	TOY 1SZFE
		46385	TOY 1SZFE-II
		46677	TOY 1KR-FE
		46683	TOY 2SZ-FE
		51115	HYU 1.6L
		51116	HYU G4FK
		51119	HYU G4EB
		51128	HYU ATTITUDE
		51134	HYU ACCENT 1.5L
		51140	HYU KAPPA2
		51153	HYU ACCENT 1.4
		51156	HYU KAPPA 1.25 MPI
		51157	HYU G4LA-II
		51166	HYU G4LC
		51612	HYU G4LA
		52114	KIA ION
		52114-4	KIA ION

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PISTON PIN LIST

SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
		56106	OPE 1.3 NE
		58133	GM 1.4L TURBO
18.00 x 48.00	P 44705	44705	NIS CR12DE
18.00 x 50.00	P 45136	32150	DAI EF
		35197	FOR 1.6 NF-II
		43296	MIT 3A92
		43296-4	MIT 4A92
		43303	MIT 4A91 MIVEC
		45136	SUZ ALTO
		45145	SUZ K10B
		45151	SUZ K6A
		51162G	HYU G4LE GALLERY
		56607	OPE X 1.2 SZ
		58104	GM CORSA MPFI
		58105	GM CORSA EFI
		58106	GM HCV
18.00 x 53.00	P 46332	30121	CHE A14XER
		32144	DAI K3-DE
		32146	DAI KANCIL 850 CC NEW
		32147	DAI KELISA 1000 CC
		32151	DAI EJ-VE-II
		32152	DAI 3NR-VE
		32605	DAI EJ-DE / EJ-VE
		34138	FIA UNO-II
		38182	HON L15A
		38183	HON JAZZ RS
		38201	HON L13A
		38203	HON L15A2
		44326	NIS CG13DE
		44327	NIS CG10DE
		46332	TOY 1NZFE
		46354	TOY 2NZ-FE
		46355	TOY 2NZ-FE-II
		46356	TOY 3SZ-VE
		46361	TOY K3-VE
		46364	TOY 1NZFE-II
		46370	TOY 1NZ-FXE
		46371	TOY 1NZFE-III
		46387	TOY 3NR-FE
		46390	TOY 1NR-VE
		46391	TOY 2NR-VE
		46394	TOY 2NR-FE
		46406	TOY 2NR-FE-II
		46661	TOY 1E
		46702	TOY 1NR-FE
		51136	HYU AVANTE 1.6L
		51145	HYU G4FC-II
		51149	HYU G4FA
		51155	HYU G4FJ
		51159	HYU G4FA-II
		52105	KIA CARNIVAL
		56600	OPE 14 NV
		58117	GM AVEO
18.00 x 54.00	P 58107	32606	DAI K3-VE-II
		32607	DAI K3-VE-III
		35196	FOR 1.6 NF
		35211	FOR FIESTA 1.6L DURATEC Ti-VCT
		38657	HON L13A4
		49107	DAE NUBIRA-IV
		58107	GM HCV FLEX
		G4103	HON GX 160
18.00 x 56.00	P 30104	30104	CHE AVEO
		30105	CHE AVEO-II
		30107	CHE AVEO-III
		30115	CHE ONIX 1.4L NF 8V
		43216	MIT 4G17
		43217	MIT 4G15

SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
		43248	MIT 4G15-II
		43281	MIT 4G18
		43282	MIT 4G13-IV
		43600	MIT 4G13
		49101	DAE LE MANS 1.5
		49102	DAE NUBIRA
		49103	DAE CIELO 1.5
		49105	DAE NUBIRA-II
		56102	OPE 1.6 SE
		56103	OPE 1.6 SV
		56109	OPE 1.6 LZ
		56110	OPE Z 1.4 XE
		56113	OPE X18XE
		56603	OPE X1.6 XE / XEL
		58119	GM 1.8L
		58136	GM N18XFH
		62106	TAT ACE CNG
18.00 x 58.00	P 44687	43302	MIT 4G18-II
		44687	NIS CG13DE-II
		46603	TOY 2K
18.00 x 59.00	P 46141	42679	MAZ ZJ
		43257	MIT 4G13-II
		43652	MIT 4G13-III
		46141	TOY 2E
		46258	TOY 5E-FE
		46274	TOY 3E
		46345	TOY 2E-II
		46346	TOY 4E-FE-II
		53101	ASI TOWNER
18.00 x 60.00	P 32601	43607	MIT 4G12
		43616	MIT 4G11
18.00 x 61.00	P 43187	32110	DAI S-10P
		32117	DAI G11
		32124	DAI S75
		32601	DAI CD
		39659	ISU 4XC1-IV
		43176	MIT 2G23
		43187	MIT G15B
		43272	MIT G15B-II
		46103	TOY 3K
		46105	TOY 4K
		46107	TOY 5K
		46163	TOY 3AU
		46253	TOY 4AGEC
		46269	TOY 4AC
		46271	TOY 4AFE-III
		46290	TOY 5AF
		46335	TOY 5K-II
		46336	TOY 4A
		46349	TOY 4A-GEU-II
		46604	TOY 2A
		46610	TOY 1GE
		46618	TOY 4AGE
		46658	TOY 1A
		46670	TOY 1G-EU
		46687	TOY 2A-II
		55650	SUB EF10
		55652	SUB EF12
18.00 x 62.00	P 38652	38652	HON EP
18.00 x 62.70	P 39650	39650	ISU 4XC1-II
18.00 x 63.00	P 39210	39210	ISU 4XE1V
		39603	ISU 4XC1
18.00 x 65.00	P 39652	39652	ISU 4XC1-III

PISTON PIN LIST

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SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
18.00 x 66.00	P 39209	39209	ISU 4XE1W
18.00 x 70.00	P 38114	38114	HON EK-1
		38179	HON EK-1-III
18.01 x 47.50	P 51600	51104	HYU G4EK - ALPHA - F1
		51121	HYU XD
		51129	HYU X3-II
		51600	HYU G4EH
18.01 x 50.00	P 43696	43696-3	MIT 3A91
		43696	MIT 4A91
18.03 x 60.00	P 35212	35212	FOR 1.6L
18.03 x 64.00	P 35600	35600	FOR JLB
18.98 x 58.00	P 42202	42202	MAZ FP
		42211	MAZ Z6
		42219	MAZ MZR 1.5L
18.98 x 59.00	P 42665	42665	MAZ KF
18.99 x 49.00	P 44691	44691	NIS QG15
18.99 x 52.00	P 44333	44333	NIS QG18DE-II
		44682	NIS QG18DE
18.99 x 62.00	P 44653	44653	NIS RB20E
		70109	REN K7M-III
19.00 x 42.00	P 48215	48215	VW 2.0 L LATE
		48230	VW CBZB
19.00 x 44.00	P 48208	48208	VW BGP/BGQ
19.00 x 47.00	P 44609	30119	CHE SONIC 1.6 L
		35199	FOR 1.4 DURATEC
		44609	NIS GA13
		48231	VW CZDA
		58127A	GM LYX 1.5L TURBO ALFIN
19.00 x 49.00	P 44677	44677	NIS QG15DE
19.00 x 50.00	P 48205	30112	CHE CRUZE 1.8L
		30120	CHE TRACKER 1.8 L
		44337	NIS GA15DS-II
		44610	NIS GA15DS
		44614	NIS GA14DS
		44669	NIS GA14
		48205	VW AEB-II
		58130	GM CRUZE
19.00 x 52.00	P 44258	44258	NIS GA16i
		44260	NIS GA16DE
		44270	NIS GA16DE-II
		44306	NIS GA16DS-II
		44688	NIS QG16
		44690	NIS QG16DE
		48221	VW 1.4 TURBO
		48228	VW CAXA
		48229	VW CZCA
19.00 x 53.50	P 44339	44339	NIS HR15DE
		44345	NIS HR16DE
		44351	NIS HR12DE
		44365	NIS HR16DE-III
19.00 x 55.00	P 44695	38666	HON D13
		44695	NIS GA16DE-III
19.00 x 56.00	P 38145	34132	FIA 1.6L MOTOR E-TORQUE
		34134	FIA 1.8L 16V MOTOR E-TORQUE
		35200	FOR 1.6 DURATEC TI-VCT
		38145	HON D15B2
		38146	HON D16A6
		38149	HON D16Z6
		38153	HON D16Y8
		38159	HON D15Z1
		38169	HON D17A2
		38170	HON D17A1
		38173	HON D16A6-II
		38181	HON D16Y7
		38187	HON D15B-II
		38200	HON D17A
		38202	HON D16Y8-II
		38207	HON D16W7
		38600	HON EV
		38603	HON EW
		38605	HON EW-II
		38606	HON D16A
		38656	HON D15
		38663	HON D15A3 EW4
		38665	HON D16A-II
		38667	HON D15-II
		44361	NIS HR16DE-II
19.00 x 58.00	P 32125	32125	DAI S89
		32142	DAI HD
		32145	DAI S89-II
		42166	MAZ FS
		43288	MIT 4G94
		43657	MIT 4G92S-H
		43658	MIT 4G93
		43671	MIT 4G92S
		43677	MIT 6A12
		43679	MIT 4G93-II
19.00 x 61.00	P 45127	45127	SUZ SL413-II
		45132	SUZ VITARA
		45135	SUZ STEAM 1.3L
		45653	SUZ G13BB
		45654	SUZ G13B-II
		45655	SUZ G13-Y58
19.00 x 62.00	P 44259	44125	NIS E15
		44259	NIS E16i
		44268	NIS E16
		44324	NIS A15-II
		44329	NIS E16-T
		44355	NIS E15-III
		44611	NIS E13
		44668	NIS E15-T
		45124	SUZ G16KV
		45144	SUZ G16B-II
		45149	SUZ G15A
		45153	SUZ G16KV-II
		45601	SUZ SWIFT 1.6
		70601	REN K7J 710
19.00 x 63.00	P 44322	44322	NIS A14-II
19.00 x 64.00	P 43132	43132	MIT 4G32
		43132N	MIT 4G32 NEW
		43137	MIT 4G33
		43144	MIT 4G41R NEW
		43195	MIT G37B
		43219	MIT 4G37
		43221	MIT 4G32-M
		43224	MIT 4G32-III
		43606	MIT 4G36
		43656	MIT G32S
		44109	NIS A14
		44114	NIS A15

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SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
		45123	SUZ SL413
19.49 x 56.80	P 67106	67106	PEU TU5JP4
19.49 x 62.00	P 67104	67104	PEU 1.6L
19.05 x 67.20	P M3102	M3102	JOH LOOPER 3.0000"
		M3103	JOH CROSS FLOW 3.0000"
19.05 x 71.20	P M3104	M3104	JOH LOOPER
		M3105	JOH LOOPER 3.1875"
		M3108P	JOH 3.600" V4
		M3108P-6	JOH 3.600" V6
19.05 x 79.20	P M3107	M3107	JOH CROSS FLOW 3.5000"
		M3107-6	JOH CROSS FLOW 3.5000"
		M3109	JOH CROSS FLOW 3.6250"
19.55 x 61.00	P M2101	M2101	MER LOW DOME 2.8750"
		M2101-6	MER LOW DOME 2.8750"
		M2102	MER LOW DOME 2.8750"-II
		M2102-6	MER LOW DOME 2.8750"-II
		M2103	MER HIGH DOME 2.8750"
		M2103-3	MER HIGH DOME 2.8750"
		M2103-4	MER HIGH DOME 2.8750"
		M2103-6	MER HIGH DOME 2.8750"
		M2104	MER HIGH DOME 2.8750" -II
		M2104-3	MER HIGH DOME 2.8750" -II
		M2104-4	MER HIGH DOME 2.8750" -II
		M2104-6	MER HIGH DOME 2.8750" -II
19.55 x 66.80	P M2105P	M2105P	MER LOOPER 3.1250"
19.55 x 68.60	P M2109	M2109	MER 3.5"
		M2109-4	MER 3.5"
19.55 x 73.80	P M2106P	M2106P	MER LOOPER 3.3750"
		M2108P	MER 2.5L
19.90 x 64.00	P M1101	M1101	YAM MARINE ENGINE
19.96 x 46.00	P 38186	38186	HON R20A
		38208	HON R16A
		38210	HON L15B7
		38659	HON R18A1/A2
19.98 x 52.00	P 52110	42217	MAZ B3-III
		52102	KIA DC
		52110	KIA B1
		52111	KIA RIO 1.6L
		52654	KIA A3E
19.98 x 56.00	P 42656	42656	MAZ TB
19.98 x 61.00	P 42173	42173	MAZ Z5
		42214	MAZ ZM
		42653	MAZ B5
		52113	KIA SEPHIA-II
19.98 x 65.00	P 42146	42131	MAZ E3
		42140	MAZ NA NEW
		42142	MAZ NA NEW - II
		42146	MAZ MA
		42171	MAZ B6
		42172	MAZ B6 - II
		42196	MAZ E5-II
		42203	MAZ MA-IV
		52103	KIA B6D
19.98 x 61.00	P 42661	42661	MAZ BP
19.99 x 53.00	P 44340	44340	NIS MR18DE

SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
		44350	NIS MR20DE
		48203	VW AEG
19.99 x 57.00	P 44328	42668	MAZ B6ZE
		44328	NIS QR25DE
		44343	NIS QR25DE-III
		44349	NIS QR25DE-IV
		44353	NIS QR25DE-V
19.99 x 59.00	P 44342	44342	NIS QR20DE
		52108	KIA CREDOS
19.99 x 61.50	P 42662	42662	MAZ B6-T
		42664	MAZ KL
		70108	REN K4J
19.99 x 65.00	P 42600	42600	MAZ UC
		42652	MAZ E3-II
20.00 x 43.00	P 45157	45157	SUZ M16A
20.00 x 48.00	P 67110	43306G	MIT 4B40 GALLERY
		67110	PEU EP6
20.00 x 49.00	P 51146	51146	HYU ELANTRA
		51148	HYU NU 2.0L
		51160	HYU G4NC
		72101	GEE EMGRAND
20.00 x 52.00	P G2101	42127	MAZ B3
		42660	MAZ B3-II
		51167A	HYU 1.6L GDI ALFIN
		G2101	MIT MN55
		G2105	MIT NM45
20.00 x 54.00	P 48605	48605	VW 2G / AAV / HK
20.00 x 55.00	P 42108	30118	CHE CAPTIVA SPORT 2.4 L
		35213	FOR 2.5L-II
		42108	MAZ PB
		42651	MAZ TC
		42670	MAZ TC-II
		42680	MAZ L5-VE
20.00 x 56.58	P 42165	42165	MAZ BP05
		42200	MAZ BP-II
		42208	MAZ BP-III
		46262	TOY 4AFE
		46266	TOY 4AFE-II
		46277	TOY 7AFE
		46664	TOY 4A-GEU - VVT
		48107	VW ET/ZF/EP
		48110	VW E-II, ABS KAT, DS, DX
		48111	VW 9A
		48201	VW JS KAT
		48206	VW 2.5 / 2.6 MICROBUS
		48216	VW 1.8L
		48219	VW 1.8L-II
		48600	VW PL 4 KAT
		48606	VW ADP / AEK / AFT
		48609	VW AAM/ADF/DS/EX/RP
		48223	VW 2.8L
20.00 x 57.00	P 44675	48604	VW 1F / ABN / DT / EW
		61601	AUD AAR / NF / NG
20.00 x 58.00	P 52112	44675	NIS K21
		44676	NIS K25
		45656	SUZ M13A
		45657	SUZ M15A-II
		52112	KIA SPECTRA
		58102	GM L61



PISTON PIN LIST

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SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
		58122	GM ECOTEC
20.00 x 59.00	P 51101	35180	FOR 2.0 L
		45134	SUZ H20A
		45143	SUZ M15A
		48204	VW AEB
		48611A	VW BPY / CBFA/ CCTA ALFIN
		51101	HYU J2 (BETA)
		51105	HYU G4DR - BETA - J2
		51120	HYU G4DR - BETA - J2 - II
		51122	HYU MATRIX 1.8L
		51127	HYU 2.0L
		51131	HYU G4GF
		51151	HYU G4GC
20.00 x 61.00	P 46310	42672	MAZ ZL-VE
		44617	NIS L24E
		44661	NIS CA18ET
		44663	NIS CA20-III
		46310	TOY 4AGELC
		G4104	HON GX 420
20.00 x 62.00	P 38129	38129	HON BS
		38602	HON ES
		38604	HON ES-II
		38654	HON A20A BS-II
		38655	HON ES1
		38664	HON B20A3
		44186	NIS CA16
		44190	NIS CA18
		44193	NIS CA20
		44279	NIS CA20-II
		44356	NIS 1.6L
		44608	NIS H20-II
		46286	TOY 4 A-GEU
		56111	OPE Z 22 SE
		70600	REN K4M
		G4102	HON GX 390
20.00 x 65.00	P 56101	42607	MAZ TC LATE
		46612	TOY 4P(High)
		46615	TOY 3P
		46651	TOY 4P(Low)
		56101	OPE 1300S
20.00 x 66.00	P 46187	42132	MAZ E5 NEW
		42170	MAZ VC NEW
		46116	TOY 1S
		46187	TOY 12R
		46255	TOY 3SFE
		46289	TOY 4SFI
		46614	TOY 2R
		46627	TOY 2S
20.01 x 50.00	P 46334	46334	TOY 1ZZFE
		46342	TOY 4ZZFE
		46367	TOY 3ZZ-FE
		46382	TOY 1ZR-FE
		46383	TOY 2ZR-FE
		46384	TOY 3ZR-FE
		46398	TOY 2ZR-FXE
		46402	TOY 1ZR-FBE
		46403	TOY 2ZR-FBE
		46407	TOY 3ZR-FE-III
		46408	TOY 2ZR-FXE-II
		46688	TOY 3ZR-FE-II
20.01 x 56.58	P 46340	46340	TOY 2ZZFE
		46347	TOY 5AFE NEW
		46358	TOY 7K-II
		46377	TOY 1G-FE

SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
20.01 x 56.58	P 46259	46259	TOY 7K
20.32 x 61.50	P 58120	58120	GM 2.2L
20.62 x 70.60	P 47101	47101	JEE 88 ANP
		47102	JEE 488 ANP
20.63 x 63.00	P 35177	35177	FOR ZETEC
		35179	FOR VIN 3 ZETEC
		35191	FOR CVH 2.0
20.63 x 67.00	P 35170	35170	FOR CVH-LUC
		35171	FOR CVH-FUA
		35173	FOR CVH
		35178	FOR MOT. 1.9 Lt
20.64 x 71.30	P 35165	35165	FOR 40065
20.65 x 74.00	P 44235	44235	NIS P680
20.98 x 60.00	P 44274	44274	NIS VG33E
		44321	NIS KA24DE
20.98 x 64.00	P 44277	44275	NIS VG30E
		44277	NIS VG30i
		44334	NIS VG30i-II
20.99 x 56.00	P 44338	44338	NIS KA24DE-IV
20.99 x 64.00	P 44664	44664	NIS RB30E
21.00 x 45.00	P 42220	42220	MAZ SKYACTIV-G
		42225	MAZ SKYACTIV-G-II
21.00 x 49.50	P 42223	42223	MAZ SKYACTIV-G 2.5L
21.00 x 54.00	P 33101	33101	CRY TIGGO
		48218A	VW BZB ALFIN
21.00 x 56.00	P 38151	34140	FIA 1.6L
		38151	HON B18C1
		38152	HON B18B1
		38154	HON B20B4
		38155	HON B16A2
		38171	HON B20Z2
		48113	VW ABA
		48207	VW ABA-II
		48225	VW AMX
		67107	PEU EW10A
21.00 x 56.50	P 38668	38668	HON B18A1
		38669	HON B18C1-II
21.00 x 57.50	P 45152	43692	MIT 4B11
		43694	MIT 4B12
		45152	SUZ J20B
		51613	HYU G4KE / G4KG
21.00 x 59.00	P 45131	31132	CHR 1.8L
		42676	MAZ L8
		45131	SUZ H25A
		45131-4	SUZ J18
		45133	SUZ J20A
		45137	SUZ H27
		45139	SUZ J24B
		45140	SUZ AERIO
		45142	SUZ H27-II
		45147	SUZ SX4
		45150	SUZ J20A-II
		48610	VW 2E,ADY,AGG
		51111	HYU G6BV DELTA
		51113	HYU G6BA

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SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
		51124	HYU DELTA 2.7L
		51135	HYU SONATA 2.4L
		51138	HYU SANTA FE
		51144	HYU G4KD
		G1101	YAN TS 50
		G1603	YAN TS 50-II
21.00 x 61.50	P 56104	30106	CHE OPTRA 1.8L
		30111	CHE CAPTIVA 2.4L
		30111-6	CHE CAPTIVA 3.6L
		35181	FOR AODA/B,CJBA/B,N4JB
		39211	ISU X22SE
		39229	ISU X20SE
		39230	ISU X22SE-II
		39233	ISU LUV
		39235	ISU DIMAX 2.4L
		42205	MAZ L3
		42209	MAZ L3-II
		42210	MAZ LF
		42216	MAZ LF-II
		44272	NIS KA24E-II
		56104	OPE 1800
		56107	OPE C20XE4V KAT
		56108	OPE 2.0 X
		56112	OPE C20NE KAT
		56601	OPE 20 SE
		56604	OPE C 2.0 XEV
		70101	REN 2.0 L
		70106	REN 2.0 L-III
21.00 x 63.50	P 32120	30122	CHE DIMAX 2.4L
		32120	DAI CL
		44352	NIS NA20-II
		44604	NIS NA20
		44615	NIS NA16S
		46606	TOY 3VZE
		58103	GM ASTRA
		70102	REN 2.0 L-II
21.00 x 66.00	P 44121	43231	MIT 4G63D
		43234	MIT 4G63D-T
		43250	MIT 4G61
		43676	MIT G63DH
		44121	NIS J15
		44232	NIS Z24
		44265	NIS J18
		44269	NIS Z16
		44271	NIS KA24E
		44278	NIS Z22
		44316	NIS Z24-II
		51114	HYU G4DM
		51137	HYU 15D
		58131	GM 2.0L
21.00 x 70.00	P 55653	55653	SUB EA82
21.00 x 72.50	P 43155	43154	MIT 4G62
		43155	MIT 4G63 OLD
		43207	MIT G63B NEW
		43230	MIT 420A
		43258	MIT 4G64N
		43621	MIT G63B-II
		44160-4	NIS L16
		44160	NIS L24
		44166	NIS L18 NEW
		44167	NIS L18 OLD
		44224	NIS Z20
		44227	NIS Z20S
		44230	NIS Z22S
		44283	NIS L16-II
		44305	NIS L20B
		44335	NIS L28S

SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
		44336	NIS L24S
		44616	NIS L28
		44662	NIS L16-III
		44699	NIS H25
		51125	HYU Y2
21.00 x 82.00	P 55651	55651	SUB EA71
21.00 x 62.50	P 46660	46660	TOY 2VZ-FE
21.01 x 60.50	P 42207	42207	MAZ AJ
21.01 x 55.50	P 42199	42199	MAZ GY
21.50 x 76.00	P M1104P	M1104P	YAM SPECIAL J
		M1104P-6	YAM SPECIAL J
21.95 x 60.50	P 39237	39237	ISU 6VE1-III
21.96 x 52.00	P 38174	38174	HON K24A1
		38175	HON K24A4
		38184	HON K24A4-II
		38185	HON K20A3
		38188	HON K24Z3
		38189	HON K24A2
		38190	HON K20A2
		38191	HON K24Z2
		38197	HON ACCORD
		38198	HON K24A
		38199	HON K20A5
		38205	HON K24Z7
		38206	HON K24Y2
21.96 x 54.00	P 38172	38172	HON F23A5
		38176	HON J35A1
		38177	HON J35A3
		38178	HON J30A4
		38180	HON F23A1
		38192	HON J35A7
		38193	HON J32A3
		38194	HON J35A8
		38195	HON J30A
		38196	HON J35Z3
21.96 x 57.00	P 38157	38157	HON H22A4
		57101	ACU C35A1
21.98 x 67.00	P 42164	42157	MAZ FE
		42159	MAZ F6
		42164	MAZ F2
		42168	MAZ F8
		42192	MAZ F2-II
		42193	MAZ FE-II
		42218	MAZ FE-VIII
		42603	MAZ FE-IV
21.98 x 71.00	P 34113	34113	FIA 124S
21.98 x 60.00	P 59106	59106	LAD 2110
		59107	LAD VAZ 2112
21.98 x 67.00	P 59101	59101	LAD 2101
		59103	LAD 21011
		59105	LAD 21083
		59108	LAD 21213
		59109	LAD VAZ 2105
21.98 x 71.00	P 34136	34136	FIA 128-II
21.99 x 54.50	P 44362	44362G	NIS MR16DDT GALLERY
21.99 x 58.00	P 44273	34120	FIA 160 A1

PISTON PIN LIST

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SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
		34130	FIA SHAHEN
		44273	NIS VQ30DE
		44325	NIS VQ30DE-II
		44331	NIS VQ35DE-II
		44332	NIS VQ35DE
		44341	NIS VQ40DE
21.99 x 59.50	P 44366	44366	NIS VK56VD
21.99 x 69.00	P 44276	44276	NIS VG30DE
22.00 x 48.00	P 44689	44689	NIS VQ20
22.00 x 48.00	P 44693	44693	NIS VQ20-II
22.00 x 52.00	P 55106	29605	MER M272
		31134	CHR 3.6L
		51161	HYU G4KC
		51164	HYU G4KJ 2.4 GDI
		55106	SUB EZ30D
		55107	SUB EZ30D-II
		55110	SUB FB20
		55111	SUB FB20-II
22.00 x 55.00	P 48102	44360	NIS VQ35DE-III
		46288	TOY 1MZFE
		48102	VW FR/JB, FP WV
		54102	BMW M 20 B 25 M1 Z7 KAT
22.00 x 56.00	P 34101	29119	MER M102.945
		29601	MER M102 E20/V20
		34101	FIA 103
		38148	HON B21A1
		38150	HON F18A
		38156	HON H22A1
		38158	HON H23A1
		38168	HON C27A4
		38651	HON F22A
		46343	TOY 2AZFE
		46353	TOY 1AZFE
		46357	TOY 3MZFE
		46363	TOY 2GR-FE
		46363-4	TOY 2GR-FE
		46365	TOY 1AZ-FSE
		46366	TOY 1TR-FE
		46373	TOY 3SFE-VII
		46378	TOY 3S-FSE
		46379	TOY 2AZFE-II
		46386	TOY 3GR-FE
		46388	TOY 3UR-FE
		46396	TOY 2GR-FSE
		46397	TOY 3GR-FSE
		46399	TOY 1UR-FE
		46400	TOY 2AR-FXE
		46404	TOY 2GR-FKS
		46693	TOY 2AR-FE
		46697	TOY 1AR-FE
		46701	TOY 3S-FE-VI
		46703	TOY 1GR-FE-II
22.00 x 57.00	P 38660	38660	HON B20A5
		38662	HON C32A
22.00 x 58.00	P 43290	43290	MIT 6G75
		43297	MIT 6B31
		51147	HYU G6DB-II
		51165A	HYU G4KH ALFIN
		51168	HYU G6DB-III ALFIN
22.00 x 60.00	P 34102	31117	CHR 2.7 L
		34102	FIA 1100D
		34109	FIA 1300

SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
		39170A	ISU 4EC1 OLD ALFIN
		44601	NIS SR20DE
		44652	NIS SR20DE-II
		44680	NIS VK56DE
		58101	GM MOT.146
		G0135-1	KUB 4D78
		G0135	KUB 4D78
22.00 x 62.00	P 43222	35174	FOR 281
		35190	FOR 5.4L (330)
		35192	FOR E SERIES
		35193	FOR E SERIES-II
		35194	FOR TRITON
		35204	FOR 4.6L
		35205	FOR 5.0L
		35206	FOR 5.0L-II
		43222	MIT 4G63-P
		43225	MIT 4G64S
		43226	MIT 4G63DK
		43228	MIT 4G64
		43261	MIT 4G63K
		43270	MIT 4G64-II
		43276	MIT G64FR
		43279	MIT 4G63N
		43287	MIT 4G69
		46281	TOY 3VZ-FE
		46337	TOY 2UZFE
		46350	TOY 1UZFE-II
		46360	TOY 2TR-FE
		46368	TOY 1GR-FE
		46395	TOY 2UZ-FE-II
		46401	TOY 3UZ-FE
		46665	TOY 1UZFE
		46666	TOY 5VZ-FE
		51110	HYU G6BV
		51130	HYU G4JP
		54101	BMW M 20 B 20 L
		67102	PEU XU5 JP
22.00 x 64.00	P 43220	34131	FIA TEMPRA 1600 TWO
		43220	MIT 6G72 NEW
		43235	MIT 6G72-T
		43247	MIT 6G74
		43249	MIT 6G72H
		43263	MIT 6G73
		43271	MIT 6G74-II
		43278	MIT 6G72-II
		43284	MIT 6G74-III
		43294	MIT 6G72-V
		43667	MIT 6G72-IV
		43669	MIT 6G72-III
		51123	HYU XG350
		60102	VOL GAZ 4062.10
		60103	VOL 405
22.00 x 65.00	P 42141	42141	MAZ NA OLD
		42152	MAZ VC OLD
22.00 x 65.00	P 46662	46662	TOY 13T
22.00 x 65.50	P 42669	42669	MAZ VB
22.00 x 66.00	P 39104	37116	HOL 202
		39104	ISU G161Z
		39110	ISU G180Z
		39186	ISU 6VD1
		39208	ISU G180SR
		39234	ISU 6VE1
		39236	ISU G161ZB-II
		39243	ISU 6VD1-IV
		39605	ISU 4ZA1
		39654	ISU G180Z-II

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SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
		39673	ISU 6VE1-II
		43218	MIT 6G72
		46118	TOY 1Y
		46119	TOY 2Y
		46120	TOY 3Y
		46122	TOY 4Y
		46207	TOY 2T
		46211	TOY 2T-U
		46218	TOY 3T
		46263	TOY 3SGTE
		46267	TOY 21R-II
		46275	TOY 7MGTE
		46279	TOY 5SFE
		46280	TOY 7MGE
		46309	TOY 5SFE-II
		46330	TOY 2JZGE
		46338	TOY 2T/2TB
		46352	TOY 2JZGE-II
		46376	TOY 4SFI-II
		46605	TOY 5M
		46619	TOY 2TC
		46620	TOY 3SFE-II
		46621	TOY 3SFE-III
		46663	TOY 3SGE
		46667	TOY 3SFE-IV
		46689	TOY 3SGE-II
		46331G	TOY 2JZGTE GALLERY
22.00 x 66.00	P 46632	46632	TOY 5MGEU
22.00 x 67.00	P 44703	42678	MAZ F2T
22.00 x 69.50	P 46202	34135	FIA REGATA 100S
		35166	FOR 40090
		35167	FOR 40091
		39175	ISU 4ZC1
		39628	ISU G161Z-II
		46202	TOY 22R-E
22.00 x 71.00	P 42612	42612	MAZ VA
22.00 x 72.00	P 46199	34103	FIA 125
		42206	MAZ FE-VII
		42602	MAZ FE-III
		46199	TOY 21R
		46653	TOY 21R-III
		48108	VW 1600-HIGH, 311
		48109	VW 1600-LOW, AM
		52101	KIA FE
22.00 x 72.60	P 31116	31116	CHR 2.4 L
		31118	CHR EDZ
		44196	NIS H20
22.00 x 75.00	P 46189	43148	MIT 4G52
		43151	MIT 4G53
		46138	TOY 3F
		46175	TOY 5R OLD
		46177	TOY 5R NEW
		46189	TOY 18R
		46201	TOY 22R
		46272-4	TOY 3F NEW
		46272	TOY 3F NEW
		46294	TOY 20R
		46659	TOY 20R-II
22.00 x 79.00	P 43153	39119	ISU G200Z
		39226	ISU G200Z-II
		43153	MIT 4G54
		43233	MIT G54B
		43273	MIT G54BT
		43292	MIT 4G54C

SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
		43654	MIT G54B-II
22.50 x 56.00	P 35215	35215	FOR 2.0L ECOBOOST
22.50 x 65.00	P 42221	42221	MAZ MZR 2.3L
		42222	MAZ L3-III
22.88 x 67.50	P 31120	31120	CHR MOT. 201
		31125	CHR 2.5L-II (153)
		31133	CHR 3.3L
22.88 x 69.00	P 31115	31115	CHR 2.5 L
22.88 x 71.50	P 31119	31119	CHR MOT. 232
		31121	CHR EGH
22.96 x 56.00	P 38204	38204	HON F20C1
22.98 x 63.00	P 42163	42163	MAZ G6
		42169	MAZ JE-48
22.99 x 65.00	P 44347	44347	NIS TB45DE/TB48DE
		44347-4	NIS TB45DE/TB48DE
23.00 x 51.00	P 48232	48232A	VW CDAB ALFIN
		48233A	VW CZPA ALFIN
23.00 x 56.00	P 34129	34129A-3	FIA PALIO 1.3L JTD ALFIN
		34129A	FIA PALIO 1.3L JTD ALFIN
		35207	FOR 3.7 LTS
		45159AG	SUZ D13A ALFIN GALLERY
		58124	GM VENTURE 3.4
		58125	GM 3.1L
23.00 x 56.50	P 56605	56605A	OPE Y 13 DT/Z 13 DT ALFIN
23.00 x 58.00	P 55101	55101	SUB EJ22
		55654	SUB EJ20
23.00 x 60.00	P G1111	G1111	YAN TF 65
23.00 x 60.00	P G1118	G1118	YAN TF 55
		G1120	YAN TF 65-II
23.00 x 62.00	P 55103	55103	SUB EJ25
		55104	SUB EJ25-II
		55109	SUB EJ255-III
		55655	SUB EJ20-T-II
		58108	GM 191
		58110	GM B207R
23.00 x 63.00	P 51132	51132	HYU SONATA 3.8L
		51133	HYU SONATA 3.3L
		G0129	KUB V1702
		G0131	KUB V1502
		G0136-1	KUB 4D85
		G0136	KUB 4D85
23.00 x 63.00	P G1102	G1102	YAN TS 60
		G1604	YAN TS 60-II
23.00 x 64.00	P 55102	51139	HYU G6DB
		55102	SUB EJ20-T
		55105	SUB EJ255-T
		55108	SUB EJ255-II
23.00 x 64.50	P 32602	32602A	DAI CL-T ALFIN
23.00 x 65.00	P G2104	35198	FOR 4.2L
		58132	GM 4.2L
		G2104	MIT NM75

PISTON PIN LIST

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SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
23.00 x 70.00	P 35182	35182	FOR 238
23.00 x 74.00	P 67103	67103	PEU XN1/XN1A/XN1T
23.00 x 76.00	P 56105	44660	NIS TB42/ E/ S
		56105	OPE 20E CIH
		56105-6	OPE 3.0 E/NE
23.00 x 77.00	P 42655	39176	ISU 4ZD1
23.00 x 80.00	P 39176	39185	ISU 4ZE1
		39228	ISU 4ZD1-II
		39604	ISU 4ZE1-II
		42655	MAZ JE
23.01 x 56.50	P 62101	62101A-2	TAT ACE ALFIN
		62101A	TAT INDICA ALFIN
		62104A	TAT ACE-II ALFIN
		62104A-4	TAT INDICA-II ALFIN
23.07 x 65.40	P M1102P	M1102P	YAM 115/225 HP
		M1102P-6	YAM 115/225 HP
		M1103P	YAM 115/225 HP-II
		M1103P-6	YAM 115/225 HP-II
23.17 x 69.50	P 35183	35183	FOR 140
23.17 x 76.20	P 35169	35169	FOR P-764
		35210	FOR 2.3L
23.31 x 69.00	P M2107P	M2107P	MER OPTIMAX 2.5L
23.50 x 58.00	P 46276	46276A	TOY 1N ALFIN
23.50 x 65.50	P 58111	58111	GM LLV
		58111-5	GM LLR
23.55 x 76.00	P 58112	58112	GM 5.7L (350)
		58121	GM 4.3L
23.64 x 68.50	P 31124	31124	CHR 153
23.81 x 75.00	P 35168	35168-4	FOR 40073
		35168	FOR 40073
23.95 x 65.00	P 58123	58123	GM 5.3L
		58129	GM 3.9L
		58134	GM 4.8L-II
		58135	GM ESCALADE
		58138	GM VORTEC VIN 6
24.00 x 52.00	P 30117	30117	CHE CAPTIVA 3.0L
24.00 x 55.85	P 48224	48224	VW AAF
24.00 x 58.00	P 46405	46405A	TOY 8AR-FTS ALFIN
24.00 x 60.00	P 30113	30113	CHE CAPTIVA 3.2
24.00 x 61.00	P 46300	29121	MER M102.980
		31122	CHR EGJ
		46300	TOY 1RZ
		46359	TOY 1RZ-III
		58109	GM 213/LX9
		58126	GM LY7
24.00 x 63.00	P 44262	31135	CHR 5.7L
		35214	FOR 6.2L
		44262A	NIS CD17 ALFIN
24.00 x 64.00	P 48101	48101A	VW ME ALFIN
		48112	VW DJ

SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
24.00 x 64.00	P 48601	48601A	VW 1G / 1V / CY TURBO ALFIN
		48602A	VW 1X / 1Y / AAB ALFIN
24.00 x 65.00	P G0111	G0111	KUB RD 65
		G0123	KUB RD 55
		G0134	KUB RD 65 DIS
24.00 x 68.50	P 35172	35172	FOR KOLN 2V (T88)
24.00 x 71.00	P 31131	31131	CHR HEMI 5.7
		46694	TOY 3RZ-F
24.00 x 72.00	P 35208	35208	FOR 2.8 LTS
24.00 x 77.50	P M3106P	M3106P	JOH LOOPER 3.5000"
		M3106P-6	JOH LOOPER 3.5000"
		M3106P-8	JOH LOOPER 3.5000"
		M3110P	JOH 3.685"
		M3110P-6	JOH 3.685"
		M3110P-8	JOH 3.685"
24.00 x 70.00	P 46312	46311	TOY 2RZ-FE
		46312	TOY 3RZ-FE
		46313	TOY 2TZ-FE
		46329	TOY 2TZFZE
		46344	TOY 2TZ-FE-II
		46375	TOY 2RZ-FE-III
		46607	TOY 2RZ
24.02 x 59.00	P 31130	31130-6	CHR POWER TECH 3.7
		31130	CHR POWER TECH 4.7
25.00 x 58.00	P G0101	G0101	KUB KND 3B
25.00 x 60.00	P 39179	39179A	ISU 4EC1 TURBO ALFIN
		35195A	FOR FIESTA ALFIN
25.00 x 60.00	P 39668	39668A	ISU 4EE1 ALFIN
25.00 x 64.00	P 42601	42601	MAZ PN
		42674AG	MAZ R2 NEW ALFIN GALLERY
		G0121	KUB RD 75
		G0125	KUB V2203DI
		G0126	KUB V1702DI
		G0127-1	KUB V1512DI
		G0127	KUB V1512DI
		G0128	KUB V2203
		G0130A	KUB 1512 TCVS
		G0132	KUB 1902DI
		G0133A	KUB 83 MM
		G0600A-1	KUB D1503 ALFIN
		G0600A	KUB D1503 ALFIN
		G0601A-1	KUB V2403T ALFIN
		G0601A	KUB V2403T ALFIN
		G0602	KUB V2403
25.00 x 65.00	P G0120	31129	CHR 370 CID
		G0103	KUB KND 70A
		G0112	KUB JD75
		G0116	KUB KND40
		G0120	KUB GA70
25.00 x 66.00	P 43612	43612AG	MIT 4D68T ALFIN GALLERY
25.00 x 67.00	P 39157	39157A	ISU 4FC1 ALFIN
		39183A	ISU 4FB1 ALFIN
		43613A	MIT 4D68 ALFIN
		44176A	NIS LD20 ALFIN
		44263A	NIS LD20-II ALFIN
		44602A	NIS CD20 ALFIN
		44606	NIS RD28
		44625A	NIS LD28 ALFIN

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PISTON PIN LIST



SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
		60104	VOL GAZ 421
		G2103	MIT MN 110
		G2106	MIT NM90
25.00 x 68.00	P 42167	42167A	MAZ R2 ALFIN
		42611AG	MAZ R2 LATE ALFIN GALLERY
		43229A	MIT 4D65T ALFIN
		43241A	MIT 4D65T OLD ALFIN
		43264A	MIT 4D65 ALFIN
		43286A	MIT 4D65-II ALFIN
25.00 x 70.00	P G0118	43687	MIT 4DQ5
		62103A	TAT 207 ALFIN
		G0104	KUB KND 80
		G0106	KUB KND 85
		G0113	KUB GA80
		G0118	KUB RD 85
		G0124	KUB RD 85S
25.00 x 72.50	P 39620	39620	ISU C-221-II
25.00 x 76.00	P 31127	31127	CHR 3.9L (239)
25.15 x 71.80	P 46136	46136	TOY 2F
		46623	TOY 2F-II
25.15 x 80.00	P 46132	46132	TOY F
25.40 x 75.90	P 40103	40103	LAN 3.562
26.00 x 55.00	P 29603	29603A	MER OM 601 ALFIN
26.00 x 60.00	P 70103	70103A	REN K9K ALFIN
26.00 x 62.00	P 29602	29602A	MER OM 661 ALFIN
26.00 x 62.70	P 46270	44295A	NIS LD23 ALFIN
		46270	TOY 1FZ-FE
		46282	TOY 1FZ-FE-II
		46372	TOY 1FZ-FE-III
26.00 x 65.50	P 48222	48222AG	VW 2.0 LT TDI ALFIN GALLERY
		48226AG	VW AXB TURBO ALFIN GALLERY
		48227A	VW BJK TURBO ALFIN
26.00 x 65.50	P G1112	G1112	YAN TF 75
26.00 x 66.00	P 48603	48603A	VW AAZ / ABL / ADE TURBO ALFIN
26.00 x 66.00	P G1113	44624AG	NIS LD20-T ALFIN GALLERY
		48220AG-3	VW POLO ALFIN GALLERY
		48220AG	VW VENTO ALFIN GALLERY
		48612AG	VW ANU/ATD/AVB/AVQ ALFIN GALLERY
		G1103	YAN TS 70
		G1113	YAN TF 85
		G1115	YAN TF 85-II
		G1121	YAN 4D84
		G1121-1	YAN 4D84
		G1123	YAN 3D84-II
		G1605	YAN TS 70-II
26.00 x 67.80	P M1105P	M1105P	YAM 225/250 HP
26.00 x 68.00	P 44603	44603A	NIS SD33T ALFIN
		48613A	VW ACV/ AGX/AHD/AHY ALFIN
		G0102	KUB KND 5B
26.00 x 70.00	P 32139	32102	DAI DG
		32103	DAI DG OLD-4R
		32126	DAI DL
		32128A	DAI DL NEW-26 ALFIN
		32139	DAI DG OLD-5R
		G1607	YAN 4TNE86
26.00 x 71.00	P 44210	29120	MER M115.923
		44210A	NIS SD22 ALFIN
		44210A-6	NIS SD33 ALFIN
		44291	NIS SD22-II
26.00 x 73.00	P 29116	29116	MER M115.952
		29117	MER M115.951
26.00 x 74.00	P 44215	29118A	MER 240D ALFIN
		44215A	NIS SD23 / SD25 ALFIN
		44266A	NIS TD23 ALFIN
		44622A	NIS SD23/25-II ALFIN
27.00 x 58.00	P 46260	46260A	TOY 2C ALFIN
		46264A	TOY 2C-II ALFIN
		46278A	TOY 2C-T ALFIN
		46374A	TOY 2C-IV ALFIN
		46630	TOY 1C-III
		46650	TOY 1C-II
		46676AG	TOY 1ND-TV ALFIN GALLERY
		46692	TOY 1C NEW
27.00 x 61.00	P 46609	46609A	TOY 2CT-II ALFIN
27.00 x 61.00	P 46629	46629AG	TOY 3C ALFIN GALLERY
		62105AG	TAT 1.4 DICOR ALFIN GALLERY
27.00 x 61.50	P 44696	44696AG	NIS RD28TI NEW ALFIN GALLERY
27.00 x 64.00	P 39189	39189A	ISU 4EE1-T ALFIN
		56606A	OPE Y 17 DT/DTL ALFIN
27.00 x 66.00	P 46695	46695AG	TOY 2CT-III ALFIN GALLERY
27.00 x 66.50	P 44623	44623AG	NIS RD28-T ALFIN GALLERY
27.00 x 68.00	P 39130	39128A	ISU C-190-3R ALFIN
		39130A	ISU C-223 ALFIN
		39159A	ISU 4FD1 ALFIN
		39218A	ISU C-223-II ALFIN
		39601A	ISU C-223 OLD ALFIN
		39602A	ISU 4FG1 ALFIN
		39621A	ISU C-240 ALFIN
		46112A	TOY 1C ALFIN
		46601A	TOY 2C-III ALFIN
		46654A	TOY 1DZ ALFIN
		46684	TOY 1DZ NEW
27.00 x 70.00	P 46261	46261A	TOY 2L-II ALFIN
		46351A	TOY 2LT NEW-II ALFIN
27.00 x 72.00	P 39125	39125A	ISU C-240 OLD ALFIN
		39127A	ISU C-190 ALFIN
		G0107	KUB KND 105
		G0108	KUB KND 110
		G0119	KUB KND 95Di
		G0122	KUB RD 105
		G0137	KUB RD 115
27.00 x 74.00	P 46240	46226A	TOY 2J ALFIN
		46226A-6	TOY H NEW ALFIN
		46234	TOY L OLD
		46236	TOY L NEW
		46238	TOY L NEW-II
		46240A	TOY 2L ALFIN
		46316	TOY H-II
		46369	TOY 2J-III
28.00 x 61.00	P 44671	44671AG	NIS YD25TDI ALFIN GALLERY
		51142AG	HYU i20 MAGNA CRDI ALFIN GALLERY

PISTON PIN LIST

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SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
28.00 x 61.50	P 44685	44685AG	NIS YD22DDT/ETI ALFIN GALLERY
28.00 x 62.00	P 51150	51150AG	HYU D4FA ALFIN GALLERY
		51158AG	HYU i10 GRAND ALFIN GALLERY
28.00 x 64.00	P 51154	51154AG	HYU D4FB ALFIN GALLERY
28.00 x 65.50	P 51604	51604A	HYU D3EA ALFIN
		51604A-4	HYU D4EA ALFIN
28.00 x 66.50	P 44681	44681AG	NIS CD20-T ALFIN GALLERY
28.00 x 67.00	P 58118	58118AG	GM CAPTIVA ALFIN GALLERY
		66103A	MAH MDI 3200 ALFIN
28.00 x 69.00	P 44697	44697AG	NIS YD22DDT/DDTI ALFIN GALLERY
		44364AG	NIS YD25DDTi-II ALFIN GALLERY
28.00 x 70.00	P G1114	29604AG	MER OM 602 TURBO ALFIN GALLERY
		G1114	YAN TF 105
28.00 x 71.00	P 44684	44684AG	NIS YD25TDI NEW ALFIN GALLERY
		44686AG	NIS YD25DDTI ALFIN GALLERY
		G1104	YAN TS 105
		G1601	YAN TS 105-II
		G1606	YAN TF 120
28.00 x 72.00	P 51605	51605AG	HYU D4EB-F/D4EB-G ALFIN GALLERY
28.00 x 73.50	P 42174	42174A	MAZ S2 ALFIN
		42606	MAZ S5
		42659	MAZ XA-II
28.00 x 74.00	P G0114	G0114	KUB GA 90
28.00 x 74.80	P 32127	32127	DAI DL NEW-28
		42658A	MAZ SF K2400 ALFIN
28.00 x 76.80	P 43157	43157	MIT 4DR5
		43655A	MIT S4E ALFIN
		43688	MIT S4E2
		68101A	TEM TRAVELLER ALFIN
28.00 x 77.00	P 43609	43609	MIT 4DR51/4DR5 LATE
28.00 x 80.00	P 44255	44255A	NIS TD25 ALFIN
		44267A	NIS TD27 ALFIN
		44267A-6	NIS TD42 ALFIN
29.00 x 65.00	P 46257	46257A	TOY 1HZ ALFIN
29.00 x 68.00	P 39609	39609A	ISU C-223-T ALFIN
29.00 x 69.00	P 46678	46678AG	TOY 1AD-FTV ALFIN GALLERY
		46679AG	TOY 2AD-FHV ALFIN GALLERY
		46691AG	TOY 1VD-FTV ALFIN GALLERY
		46696AG	TOY 2AD-FTV ALFIN GALLERY
29.00 x 74.00	P 46256	46256A	TOY 3L ALFIN
		46273AG	TOY 5L ALFIN GALLERY
		46389AG	TOY 2LT NEW ALFIN GALLERY
		46600AG	TOY 2LT LATE ALFIN GALLERY
		46602A	TOY 2L-T ALFIN
		46611A	TOY 2H LATE ALFIN
		46626A	TOY B LATE ALFIN
29.00 x 75.00	P 43171	35102	FOR 2402 E
		43171A	MIT 4D55/4D56 ALFIN
		43173A	MIT 4D56T ALFIN
		43242AG	MIT 4D56-T LATE ALFIN GALLERY
		43285	MIT 4D56-II
		43291A	MIT 4D56 LATE ALFIN
		43298AG	MIT 4D56-III ALFIN GALLERY
		43661A	MIT 4D56-T LATE-II ALFIN
		46231A	TOY 2H ALFIN
		51102A	HYU D4BB ALFIN
		51108A	HYU D4BA ALFIN
		51606AG	HYU D4BH ALFIN GALLERY
29.00 x 77.00	P 36101	35601A	FOR 4A B/ BA / BB / CA / FA ALFIN
		36101	HIN DM-100
29.00 x 79.00	P 46123	46123	TOY B OLD
		46124A	TOY B NEW ALFIN
		46127	TOY 2B
		46265	TOY BU 15-II
		46308	TOY B NEW-II
30.00 x 60.00	P 44363	44363AG	NIS R9M ALFIN GALLERY
30.00 x 66.00	P 66105	35201AG	FOR 2.2L DURATORQ TDCI ALFIN GALLERY
		66105A	MAH MAXIMO ALFIN
30.00 x 68.00	P 42671	42610AG	MAZ RF ALFIN GALLERY
		42671A	MAZ RF-II ALFIN
		42675AG	MAZ RF7 ALFIN GALLERY
30.00 x 69.00	P 38661	38661AG	HON N22A1/N22A2 ALFIN GALLERY
30.00 x 70.00	P 38658	38658A	HON 20T2N/20T2 TURBO ALFIN
30.00 x 71.00	P 69101	69101AG	SSA ACTYON 2.0L ALFIN GALLERY
30.00 x 73.00	P G1105	G1105	YAN TS 130
30.00 x 74.00	P 44630	44630A	NIS TD27-LATE ALFIN
		44630A-6	NIS TD42-LATE ALFIN
		64101A-1	KOM S6D95 ALFIN
		64101A	KOM S6D95 ALFIN
30.00 x 74.00	P 44666	44666A	NIS TD25 LATE ALFIN
		64601A	KOM 4D95 ALFIN
30.00 x 75.00	P 52650	42657A	MAZ JS K2700 ALFIN
		52650AG	KIA RFA ALFIN GALLERY
30.00 x 76.50	P 43682	43682	MIT S4S
		43682-6	MIT S6S
30.00 x 78.00	P 43232	43232AG	MIT 4M40-T ALFIN GALLERY
		43610A	MIT 4DR7 ALFIN
		43670AG	MIT 4M40-T-II ALFIN GALLERY
		43673A	MIT 4M40 ALFIN
		52651AG	KIA JT 3.0 ALFIN GALLERY
30.00 x 79.00	P 42609	42609	MAZ HA-II
30.00 x 79.80	P 44296	44296AG	NIS TD27-T - II ALFIN GALLERY
		44619AG	NIS BD30 ALFIN GALLERY
		44621AG	NIS TD27-T ALFIN GALLERY
		44621AG-6	NIS TD42-T ALFIN GALLERY
		44654AG	NIS BD30T ALFIN GALLERY
		44674AG	NIS TD27-T NEW ALFIN GALLERY
		66104	MAH XD3P
30.00 x 80.00	P 44654	G0105	KUB KND 90/120
31.00 x 68.00	P 46680	46392AG	TOY 2GD FTV ALFIN GALLERY
		46393AG	TOY 1GD FTV ALFIN GALLERY
		46680AG	TOY 1CD-FTV ALFIN GALLERY
		46690AG	TOY 1CD-FTV-II ALFIN GALLERY
31.00 x 70.00	P 66106	66106A	MAH SCORPIO M HAWK ALFIN

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SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
31.00 x 71.00	P 39684	39684	ISU C 2.2
31.00 x 76.00	P 39232	39231A	ISU 4JA1T NEW ALFIN
		39232AG	ISU 4JH1-TC ALFIN GALLERY
		39658A	ISU 4JA1 LATE ALFIN
		39661AG	ISU 4JX1 ALFIN GALLERY
31.00 x 77.00	P 39162	39162A	ISU 4JA1 ALFIN
		39163A	ISU 4JB1 ALFIN
		39656A	ISU 4JB1 LATE ALFIN
31.50 x 81.50	P 36603	36603A	HIN EC100 ALFIN
31.75 x 75.00	P 42149	42149A	MAZ HA ALFIN
		42150	MAZ XB
		42150-6	MAZ ZB OLD
		42179A	MAZ ZB ALFIN
		42198A	MAZ SS K2700 ALFIN
		42605	MAZ XA
		G8102A	PER 68322 (NEW) ALFIN
		G8106A	PER MF-5F ALFIN
31.99 x 71.00	P 30130	30130AG	CHE S10 ALFIN GALLERY
32.00 x 70.00	P 42185	42185AG	MAZ WL-T ALFIN GALLERY
		42186A	MAZ WL ALFIN
		42215AG	MAZ W9 ALFIN GALLERY
		43301AG	MIT 4N15 ALFIN GALLERY
		43304AG	MIT 4N15-II ALFIN GALLERY
32.00 x 72.00	P 46254	35202AG	FOR 2.4L DURATORQ TDCI 16V ALFIN GALLERY
		46254A	TOY 14B ALFIN
		46608A	TOY 11B-II ALFIN
		46622A	TOY 3B-II ALFIN
32.00 x 74.00	P 35203	35203AG	FOR 3.2L DURATORQ TDCI ALFIN GALLERY
32.00 x 75.00	P 43678	43300AG	MIT 4D56T CRDi-II ALFIN GALLERY
		43672AG	MIT 4D55T/4D56T-II ALFIN GALLERY
		43678AG	MIT 4D56T CRDi ALFIN GALLERY
		58128AG	GM LWN 2.8L VGT ALFIN GALLERY
32.00 x 76.00	P 46613	46613A	TOY 1Z ALFIN
		46624A	TOY 12H-T ALFIN
		66101A	MAH SCORPIO CRD ALFIN
32.00 x 77.00	P 46682	46682	TOY 2Z NEW
		46685	TOY 13Z
		46699	TOY 14Z
32.00 x 78.00	P 52107	43663AG	MIT 4M41-T ALFIN GALLERY
		51611AG	HYU J3TCi-II ALFIN GALLERY
		52107AG	KIA CARNIVAL-II ALFIN GALLERY
32.00 x 79.80	P G1116	G1116	YAN TF 155
32.00 x 80.00	P G1106	43681AG	MIT 4M42-0AT ALFIN GALLERY
		G1106	YAN TS 155
		G1107	YAN TS 180
		G1122	YAN TF 140
32.00 x 80.80	P G1602	G1602	YAN TS 180-II
32.00 x 82.00	P 43115	43115	MIT 6DS7
		43115N	MIT 6DS7 NEW
32.00 x 83.40	P 46128	34118	FIA TRACTOR 300, 350, 355
		46128A	TOY 3B ALFIN
32.00 x 85.00	P 44670	44670	NIS ED30
33.00 x 73.00	P 46674	46674AG	TOY 1HD-FTE ALFIN GALLERY

SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
33.00 x 75.00	P 51603	51603AG	HYU D4CB CRDI ALFIN GALLERY
		51608AG	HYU D4CB TCi ALFIN GALLERY
33.00 x 78.00	P 44297	44297A	NIS QD32 ALFIN
		44672AG	NIS ZD30 ALFIN GALLERY
		44673AG	NIS ZD30 LATE ALFIN GALLERY
		44678AG	NIS ZD30DDTI ALFIN GALLERY
		44683AG	NIS QD32TI ALFIN GALLERY
		44702AG	NIS ZD30DD ALFIN GALLERY
33.00 x 83.00	P 39165	39165A	ISU 4BC1 ALFIN
33.00 x 85.00	P 39160	39160A	ISU 4BA1 ALFIN
33.01 x 73.00	P 46268	46268A	TOY 1HD-T LATE ALFIN
		46325A	TOY 1HD-T-II ALFIN
		46362AG	TOY 1HD-FT ALFIN GALLERY
34.00 x 65.00	P 46348	46348AG	TOY 2KD - FTV ALFIN GALLERY
		51163AG	HYU D4HA ALFIN GALLERY
34.00 x 70.00	P 42212	42212AG	MAZ MZ-DE ALFIN GALLERY
		42213AG	MAZ MZR-CD ALFIN GALLERY
34.00 x 73.00	P 46283	46283AG	TOY 1KZ-TE ALFIN GALLERY
		46655A	TOY 15BF ALFIN
		46656AG	TOY 15BF-T ALFIN GALLERY
		46671AG	TOY 1KZ-TE NEW ALFIN GALLERY
		46675AG	TOY 1KD-FTV ALFIN GALLERY
		46686AG	TOY 1KD-FTV-II ALFIN GALLERY
		46698AG	TOY 1KD-FTV-III ALFIN GALLERY
		65001A	EIC 4D31 ALFIN
34.00 x 76.00	P 46287	46287A	TOY 11B ALFIN
34.00 x 78.00	P 39188	39188A	ISU 4JB1-T ALFIN
		39190A	ISU 4JB1-T LATE ALFIN
		39245AG	ISU 4JK1-TCS/4JK1-TCX ALFIN GALLERY
		39600A	ISU 4JG2 EARLY ALFIN
		39608AG	ISU 4JG2-T ALFIN GALLERY
		39660AG	ISU 4JG2-T NEW ALFIN GALLERY
		39669AG	ISU 4JG2-T-II ALFIN GALLERY
		39674AG	ISU 4JJ1-TC CRDI ALFIN GALLERY
		39675AG	ISU 4JK1-TC ALFIN GALLERY
		46625A	TOY 14B-T ALFIN
34.00 x 79.00	P 46668	46668A	TOY 13B-T ALFIN
34.00 x 81.00	P 65002	65002A	EIC 483 TC ALFIN
34.00 x 82.00	P 42107	42107G	MAZ SL GALLERY
		42201A	MAZ SL-III ALFIN
		42613AG	MAZ SL-T ALFIN GALLERY
		52652A	KIA JD K3500 ALFIN
		52653G	KIA SH K3600 GALLERY
		52656G	KIA SH K3600 NEW-II GALLERY
34.00 x 83.50	P 39138	39137-4	ISU DA220
		39137	ISU DA-120-4R
		39138	ISU DA-120-5R
		43164A	MIT 4D30 OLD ALFIN
		43166A	MIT 4D30 ALFIN
		43168A	MIT 4D31/4D31T ALFIN
		43168-6	MIT 6D31 / 6D31T
		43170A	MIT 4D34 ALFIN
		43227A	MIT 4D32 ALFIN
		43244A	MIT 4D33 ALFIN
		43280A	MIT 4D36 ALFIN
		43299A	MIT 4D33-III ALFIN
		44605A	NIS ED33 ALFIN
		43617A	MIT 4D31 T ALFIN
		43619A	MIT 4D32 LATE ALFIN

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SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
		43664A	MIT 4D31-T LATE ALFIN
		43666A	MIT 4D32 NEW ALFIN
		43674A	MIT 4M51 ALFIN
		43683AG	MIT 4M51T ALFIN GALLERY
		44323A	NIS FD6T ALFIN
		44620A	NIS FD35 ALFIN
		44657A	NIS FD6T-II ALFIN
		44658A	NIS FD6T-III ALFIN
		46130A	TOY 13B ALFIN
		51103A	HYU D4AF ALFIN
		51112A	HYU D4AE ALFIN
34.00 x 84.00	P 43683	51607A	HYU D4AF-III ALFIN
34.00 x 85.00	P 44694	44629A	NIS FD33-T ALFIN
		44659A	NIS FD35-T ALFIN
		44694A	NIS ED35 ALFIN
34.00 x 85.00	P 44698	44698A	NIS FD33 ALFIN
34.00 x 88.50	P 46242	36111A	HIN EH-100 ALFIN
		46242	TOY 2D OLD
		46244	TOY 2D NEW
34.92 x 82.50	P 50101	50101	LEY 4.98 NV
34.92 x 84.00	P G8101	G8101	PER 6.354
		G8103	PER 4.248
		G8105A	PER MOT 6.354-II ALFIN
		G8107A	PER 26.63 ALFIN
34.92 x 84.00	P G8104	G8104	PER 4.236, A 4.236
34.92 x 85.80	P 35101	35101	FOR THAMES
34.92 x 88.00	P 28101	28101	BED 103
		28109	BED 103-II NATURAL GAS ENGINE
34.92 x 90.00	P 28108	28108	BED 104
35.00 x 79.00	P 42663	42663AG	MAZ TM ALFIN GALLERY
35.00 x 80.00	P G1110	G1110A	YAN 2T ALFIN
		G1119A	YAN 3T ALFIN
		G3101	DON 95MM 5R
		G3104	DON 1100 MM
		G3105	DON 95MM 4R
35.00 x 85.00	P 39166	36651A	HIN W06D ALFIN
		36656A	HIN W06E ALFIN
		36653A	HIN W04 DALFIN
		36658A	HIN W04D LATE ALFIN
		39166A	ISU 4BC2 ALFIN
		39180A	ISU 4BE1 ALFIN
		39612A	ISU 4BE1-II ALFIN
		63101A	ALY 6ETI ALFIN
35.00 x 87.50	P 39149	39148A	ISU 6BB1 ALFIN
		39148A-4	ISU 4BB1 ALFIN
		39149A	ISU 6BD1 ALFIN
		39149A-4	ISU 4BD1 ALFIN
		39151A	ISU 6BD1-II ALFIN
		39151A-4	ISU 4BD1-II ALFIN
		39182A	ISU 6BG1 ALFIN
		39184A	ISU 4BD1-III ALFIN
		39184A-6	ISU 6BD1-III ALFIN
		39227A	ISU 4BD1 LATE ALFIN
		39611AG	ISU 4BD2-T ALFIN GALLERY
		39614A	ISU 6BG1-T ALFIN
		39616A	ISU 6BF1 ALFIN
		39618A	ISU 4BD1-T ALFIN
		39655AG	ISU 4BD2-T LATE ALFIN GALLERY
		39667A	ISU 6BD1-T ALFIN
		42183A	MAZ TF ALFIN
		42184AG	MAZ TF-II ALFIN GALLERY
35.00 x 95.00	P G0109	G0109	KUB KND 180
		G0110	KUB KND 190
		G0115	KUB KND 220
		G0117	KUB KND 250
36.00 x 79.00	P 39181	39181A	ISU 4HF1 ALFIN
		39181A-6	ISU 6HF1 ALFIN
		39187A	ISU 4HF1-II ALFIN
		39187A-6	ISU 6HF1-II ALFIN
		39607A	ISU 6HE1 ALFIN
		39651A	ISU 6HH1 ALFIN
		39653A	ISU 4HG1 ALFIN
		39670AG	ISU 4HL1 ALFIN GALLERY
		39672A	ISU 4HF1 NEW ALFIN
		39676AG	ISU 4HG1-T ALFIN GALLERY
		62102A	TAT 407 TURBO ALFIN
36.00 x 82.50	P 29110	29110A	MER OM - 352 ALFIN
36.00 x 86.50	P 39142	39142A	ISU DA-640 ALFIN
36.00 x 88.00	P 43608	43293AG	MIT 4D34T NEW ALFIN GALLERY
		43605A	MIT 4D34T ALFIN
		43605-6	MIT 6D34T
		43608AG	MIT 4D35 ALFIN GALLERY
		43691AG	MIT 4D35 / 4D35T ALFIN GALLERY
		43693A	MIT 4D34T-II ALFIN
		51602AG	HYU D4DA ALFIN GALLERY
36.00 x 89.30	P G1109	G1109	YAN TS 230
36.00 x 89.50	P G1108	G1108	YAN TS 190
36.00 x 90.00	P 44692	44692A	NIS FE6T NEW ALFIN
36.00 x 92.50	P 44261	44261A	NIS FE6T ALFIN
		44344A	NIS FE6T-II ALFIN
		44348A	NIS FE6-TC ALFIN
		44618A	NIS FD46 ALFIN
		44656A	NIS FE6TA ALFIN
		44665AG	NIS FD42 ALFIN GALLERY
		44667A	NIS FE6 ALFIN
36.00 x 94.00	P G3106	G3106	DON 1110 MM
36.00 x 94.50	P 44244	44244A	NIS ND6 ALFIN
		44246A	NIS NE6 ALFIN
36.51 x 90.00	P 28107	28107	BED 107
37.00 x 84.50	P 46339	36657A	HIN J05C ALFIN
		36657-6	HIN J08C
		46339A	TOY RINO ALFIN
		46700A	TOY NO4C ALFIN
37.00 x 85.00	P 36127	36127A	HIN H07D ALFIN
		36659AG-4	HIN J05C-T ALFIN GALLERY
		36659AG-5	HIN J07C-T ALFIN GALLERY
		36659AG	HIN J08C-T ALFIN GALLERY
		36660A	HIN W04CT ALFIN
		36661A	HIN W06DT ALFIN
		46381A	TOY S05C-II ALFIN
		63102A	ALY 6DTI ALFIN
38.00 x 80.00	P 39606	39606A	ISU 6SA1 ALFIN
		39662A	ISU PA1 ALFIN
38.00 x 80.00	P 39615	39615AG	ISU 6SA1-T ALFIN GALLERY

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SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
38.00 x 80.00	P 39625	39625A	ISU 10PC1 ALFIN
38.00 x 90.00	P 43102	43102A	MIT 6D14 ALFIN
		43104A	MIT 6D15 ALFIN
		43283A	MIT 6D15-II ALFIN
		43289	MIT 6D14.A
		43615A	MIT 6D14-T ALFIN
		43665A	MIT 6D14-T.2A ALFIN
		43668A	MIT 6D14-T-II ALFIN
		G2102	MIT MN 240
38.00 x 90.00	P 43684	43684A	MIT 6D14.3AT ALFIN
		43686A	MIT 6D15-III ALFIN
38.00 x 92.00	P 43675	43675A	MIT 6D15.3AT ALFIN
38.00 x 92.50	P 43105	43105A	MIT 6D16 ALFIN
		43223A	MIT 6D16-T ALFIN
		43267A	MIT 6D17-1A ALFIN
		43265A	MIT 6D16-1AT2 ALFIN
		43266A	MIT 6D16-2A ALFIN
		43268A	MIT 6D16-1A ALFIN
		43685AG	MIT 4M50T ALFIN GALLERY
		44320A	NIS NE6T ALFIN
38.00 x 93.00	P 43695	43695AG	MIT 6M61 ALFIN GALLERY
38.00 x 98.00	P G1117	G1117A	YAN TF 300 ALFIN
39.00 x 87.50	P 36652	36652A	HIN H06BT ALFIN
39.00 x 90.00	P 36113	36113A	HIN EH-700 ALFIN
		36124A	HIN H07C NEW ALFIN
		36125A	HIN H07C OLD ALFIN
		36129AG	HIN H07C-T ALFIN GALLERY
		36133A	HIN H06CTI/CTL-II ALFIN
		36135A	HIN H06CTE ALFIN
		36136A	HIN H06CTB ALFIN
		36137AG	HIN H06CTI/CTL-III ALFIN GALLERY
		36655AG	HIN H07C-T-II ALFIN GALLERY
40.00 x 83.00	P 64102	64102A-1	KOM S6D102 ALFIN
		64102A	KOM S6D102 ALFIN
40.00 x 84.00	P 64602	64602A	KOM 4D105 ALFIN
40.00 x 87.00	P 39665	39663AG	ISU 6HE1-T ALFIN GALLERY
		39665AG	ISU 6HK1-TC ALFIN GALLERY
		39677AG	ISU 6HL1-TC ALFIN GALLERY
		39679AG	ISU 4HK1-TC-III ALFIN GALLERY
		39683AG	ISU 6HE1-T-II ALFIN GALLERY
40.00 x 87.00	P 39671	39244AG	ISU 4HK1-TC ALFIN GALLERY
		39663AG	ISU 6HE1-T ALFIN GALLERY
		39664AG	ISU 4HE1-TC ALFIN GALLERY
		39664AG-6	ISU 6HE1-TC ALFIN GALLERY
		39666AG	ISU 4HE1-T ALFIN GALLERY
		39671AG	ISU 4HK1-TC-II ALFIN GALLERY
40.00 x 95.00	P 43107	43107A	MIT 6DB NEW ALFIN
42.00 x 93.00	P 43305	43305AG	MIT 6M60 ALFIN GALLERY
42.00 x 97.00	P 34137	34137A	FIA 115 ALFIN
		34137A-6	FIA 115 ALFIN
42.00 x 98.00	P 36128	36128A	HIN EM 100 ALFIN
43.00 x 80.00	P 39626	39626A	ISU 10PD1 ALFIN
43.00 x 89.50	P 39623	39623A	ISU 6SD1 ALFIN

SIZE (DIA X LENGTH)	TEIKIN PIN NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
45.00 x 97.50	P 39617	39617	ISU DH100
45.00 x 100.00	P 36601	36601A	HIN EB300 ALFIN
45.00 x 108.00	P 43618	43618A	MIT 8DC8 ALFIN
46.00 x 106.00	P 39657	39657A	ISU 6QA1 ALFIN
46.00 x 107.00	P 44236	44236A	NIS PD6 ALFIN
46.00 x 108.00	P 44679	44679A	NIS PD6-T ALFIN
46.00 x 116.00	P 44242	44242A	NIS RD8 ALFIN
		44290A	NIS RF8 ALFIN
		44290A-10	NIS RF10 ALFIN
		44264A	NIS RE8 ALFIN
		44264A-10	NIS RE10 ALFIN
		44330A	NIS PE6-T ALFIN
		44655A	NIS PE6 ALFIN
48.00 x 106.00	P 36112	36112	HIN ED-100
48.00 x 108.00	P 29106	29106A	MER OM - 355 ALFIN
50.00 x 105.00	P 39624	39624A	ISU 6RB1 ALFIN
		43699A	MIT 6D22-T-II ALFIN
50.00 x 105.00	P 43274	43274A	MIT 6D22-T ALFIN
		43614A	MIT 6D22 ALFIN
50.00 x 110.00	P 36650	36650A	HIN EK100 ALFIN
		36654A	HIN EF750 ALFIN
50.00 x 111.50	P 43275	43275A	MIT 8DC91-T ALFIN
50.00 x 112.00	P 43659	43659A	MIT 8DC11 ALFIN
50.00 x 112.00	P 43660	43660A	MIT 8DC9 ALFIN

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PISTON RING LIST

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PISTON RING LIST

TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 28101	2.4	2.4	2.4	4.8	4.8	28101	BED	330, J6, 103
R 29110	3.0 FK	3.0	3.0	5.5	5.5	29110A	MER	911, OM - 352 ALFIN
R 29117	1.8	2.5		4.0		29117	MER	M115.951 / 954
R 29118	3.0	2.0		4.0		29118A	MER	240D ALFIN
R 29119	1.75	2.0		3.5		29119 29121	MER MER	M102.945 M102.980
R 29602	2.5	2.0		3.0		29602A	MER	OM 661 ALFIN
R 29603	2.5	2.0		3.0		29603A	MER	OM 601 ALFIN
R 29604	2.5	2.0		3.0		29604AG	MER	OM 602 TURBO ALFIN GALLERY
R 29605	1.5	1.75		2.5		29605	MER	M272
R 30106	1.2	1.5		3.0		30106	CHE	OPTRA 1.8L
R 30107	1.2	1.5		2.5		30107	CHE	AVEO-III
R 30115	1.0	1.0		2.0		30115	CHE	ONIX 1.4L NF 8V
R 30116	1.0	1.2		2.0		30116	CHE	SPARK 1.25 L
R 30117	1.0	1.2		1.5		30117	CHE	CAPTIVA 3.0 L
R 30118	1.2	1.5		2.0		30118	CHE	CAPTIVA SPORT 2.4L
R 30119	1.2	1.2		2.0		30119	CHE	SONIC 1.6L
R 30130	2.8 FK	2.0		2.0		30130AG	CHE	S10 ALFIN GALLERY
R 31116	1.2	1.5		3.0		31116	CHR	2.4 L
R 32102	2.5	2.0		4.0		32102	DAI	DG
R 32103	2.0	2.0	2.0	4.0		32103	DAI	DG OLD-4R
R 32110	1.5	1.5		2.8		32110	DAI	S-10P
R 32117	1.5	1.5		2.8		32117 32124	DAI DAI	G11 S75
R 32120	2.0 HK	1.5		3.0		32120A 32602A	DAI DAI	CL ALFIN CL-T ALFIN
R 32125	1.2	1.5		3.0		32125	DAI	S89
R 32126	2.5	2.0		4.0		32126 32127 32128A	DAI DAI DAI	DL DL NEW-28 DL NEW-26 ALFIN
R 32139	2.0	2.0	2.0	4.0	4.0	32139	DAI	DV26 5R
R 32146	1.2	1.2		2.0		32146	DAI	KANCIL 850 CC NEW
R 32606	1.2	1.2		2.0		32144 32606	DAI DAI	K3-DE K3-VE-II

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
						32607	DAI	K3-VE-III
R 34118	2.5	2.5		5.5		34118	FIA	TRACTOR 300, 350, 355
R 34119	1.5	1.5		3.0		34119	FIA	160 A3.000
R 34120	1.5	1.8		3.0		34120	FIA	160 A1.00
R 34122	1.2	1.2		2.5		34122 34123 34124	FIA FIA FIA	FIRE 16V FIRE 8V FIRE FLEX 8V
R 34125	1.2	1.2		2.5		34125 34126 34127	FIA FIA FIA	FIRE 1.3L 8V FIRE 1.3L 16V FIRE FLEX 1.3L 8V
R 34128	1.2	1.2		2.0		34128	FIA	FIRE FLEX 1.4L 8V
R 34129	2.0	1.5		2.0		34129A 34129A-3	FIA FIA	PALIO 1.3L JTD ALFIN PALIO 1.3L JTD ALFIN
R 34132	1.2	1.2		2.5		34132	FIA	1.6L MOTOR E-TORQUE
R 34133	1.0	1.0		1.5		34133	FIA	1.4L 8V EVO LF
R 34134	1.2	1.2		2.5		34134	FIA	1.8L 16V MOTOR E-TORQUE
R 34139	1.2	1.2		2.0		34139	FIA	DOBLO 1.4L
R 35102	2.4 HK	2.4		4.8		35102	FOR	2402 E
R 35170	1.6	2.0		4.0		35170 35173	FOR FOR	CVH-LUC CVH, JPA, JPC
R 35172	1.6	2.0		4.0		35172	FOR	KOLN 2V (T88)
R 35181	1.2	1.2		2.5		35181	FOR	AODA/B,CJBA/B,N4JB
R 35196	1.2	1.5		2.0		35196 35197	FOR FOR	1.6 NF 1.6 NF-II
R 35201	2.0	2.0		2.0		35201AG	FOR	2.2L DURATORQ TDCI ALFIN GALLERY
R 35202	2.0	2.0		2.0		35202AG	FOR	2.4L DURATORQ TDCI 16V ALFIN GALLERY
R 35202-5	2.0	2.0		2.0		35203AG	FOR	3.2L DURATORQ TDCI ALFIN GALLERY
R 35601	2.5 FK	2.0		4.0		35601A	FOR	4A B/ BA / BB / CA / FA ALFIN
R 36101	2.5	2.5	2.5	4.0	4.0	36101	HIN	DM-100
R 36111	2.5	2.5	2.5	4.0	4.0	36111A	HIN	EH-100 ALFIN
R 36113	3.0	2.5	2.5	5.0		36113A 36124A 36125A	HIN HIN HIN	EH-700 ALFIN H07C NEW ALFIN H07C OLD ALFIN
R 36127	3.0	2.0		4.0		36127A	HIN	H07D ALFIN
R 36128	2.8 FK	2.5	3.0	5.0		36128A	HIN	EM 100 ALFIN

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 36129	2.8 FK	2.0	2.0	4.0		36129AG	HIN	H07C-T ALFIN GALLERY
R 36135	3.0 FK	2.5	2.5	5.0		36135A 36136A	HIN HIN	H06CTE ALFIN H06CTB ALFIN
R 36601	3.5	3.5	3.5	6.0		36601A	HIN	EB300 ALFIN
R 36603	2.5	2.5	2.5	4.0	4.0	36603A	HIN	EC100 ALFIN
R 36650	3.3 FK	3.5	3.5	6.0		36650A	HIN	EK100 ALFIN
R 36651	2.5	2.0		5.0		36651A 36656A	HIN HIN	W06D ALFIN W06E ALFIN
R 36652	2.8 HK	2.5	2.5	5.0		36652A	HIN	H06BT ALFIN
R 36653	2.5	2.0		5.0		36653A 36658A	HIN HIN	W04D ALFIN W04D LATE ALFIN
R 36654	1-3.5FK	3.5	3.5	6.0		36654A	HIN	EF750 ALFIN
R 36655	2.8 FK	2.0	2.5	4.0		36655AG	HIN	H07C-T-II ALFIN GALLERY
R 36657	3.0	2.0		4.0		36657A	HIN	J05C ALFIN
R 36657-6	3.0	2.0		4.0		36657A-6	HIN	J08C ALFIN
R 36659	2.5	2.0		4.0		36659AG	HIN	J08C-T ALFIN GALLERY
R 36659-4	2.5	2.0		4.0		36659AG-4	HIN	J05C-T ALFIN GALLERY
R 36659-5	2.5	2.0		4.0		36659AG-5	HIN	J07C-T ALFIN GALLERY
R 36660	3.0 FK	2.5		5.0		36660A	HIN	W04CT ALFIN
R 36661	2.8 FK	2.5		5.0		36661A	HIN	W06DT ALFIN
R 38109	1.5	1.5		4.0		38109	HON	EN
R 38114	1.5	1.5		4.0		38114	HON	EK-1
R 38145	1.2	1.5		2.8		38145 38667	HON HON	D15B2 / D15B1 D15-II
R 38148	1.2	1.2		2.8		38148	HON	B21A1
R 38149	1.2	1.5		2.8		38149	HON	D16Z6
R 38150	1.2	1.2		2.8		38150 38651	HON HON	F18A F22A
R 38153	1.0	1.2		2.8		38153 38159	HON HON	D16Y8 D15Z1
R 38154	1.2	1.2		2.8		38154 38171	HON HON	B20B4 B20Z2
R 38155	1.0	1.2		2.8		38151 38152 38155 38668	HON HON HON HON	B18C1 B18B1 B16A2 B18A1

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
						38669	HON	B18C1-II
R 38156	1.2	1.2		2.8		38156	HON	H22A1
						38157	HON	H22A4
						38158	HON	H23A1
						38184	HON	K24A4-II
R 38166	1.5	1.5		4.0		38112	HON	ED1
						38166	HON	EF1
						38600	HON	EV
						38605	HON	EW-II
						38650	HON	EM1
						38663	HON	D15A3 EW4
R 38168	1.2	1.2		4.0		38168	HON	C27A4
R 38170	1.0	1.2		2.0		38169	HON	D17A2
						38170	HON	D17A1
						38207	HON	D16W7
R 38174	1.2	1.2		2.0		38174	HON	K24A1
						38175	HON	K24A4
R 38176	1.2	1.2		2.8		38176	HON	J35A1
						38177	HON	J35A3
						38192	HON	J35A7
R 38178	1.2	1.2		2.8		38178	HON	J30A4
						38195	HON	J30A
R 38180	1.2	1.2		2.8		38180	HON	F23A1
R 38182	1.0	1.2		2.0		38182	HON	L15A
						38203	HON	L15A2
						38657	HON	L13A4
R 38183	1.0	1.0		2.0		38183	HON	JAZZ RS
R 38188	1.2	1.2		2.0		38188	HON	K24Z3
R 38189	1.2	1.2		2.5		38189	HON	K24A2
R 38190	1.2	1.2		2.0		38185	HON	K20A3
						38190	HON	K20A2
R 38191	1.2	1.2		2.0		38191	HON	K24Z2
R 38196	1.2	1.2		2.8		38196	HON	J35Z3
R 38197	1.2	1.0		2.0		38197	HON	ACCORD
R 38199	1.2	1.2		2.8		38199	HON	K20A5
R 38202	1.2	1.5		2.8		38202	HON	D16Y8-II
R 38206	1.2	1.0		2.0		38206	HON	K24Y2
R 38602	1.5	1.5		4.0		38602	HON	ES
						38604	HON	ES-II
						38655	HON	ES1

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 38603	1.2	1.2		2.8		38603	HON	EW
R 38606	1.2	1.5		2.8		38173 38606 38665	HON HON HON	D16A6-II D16A D16A-II
R 38654	1.5	1.5		4.0		38129 38654	HON HON	BS / A20A1 A20A BS-II
R 38656	1.2	1.5		4.0		38187 38656	HON HON	D15B-II D15
R 38658	3.0 FK	2.0		3.0		38658A	HON	20T2N/20T2 TURBO ALFIN
R 38659	1.2	1.2		2.0		38186 38208 38659	HON HON HON	R20A R16A R18A1/A2
R 38660	1.2	1.5		2.8		38660 38664	HON HON	B20A5 B20A3
R 38661	2.0 FK	2.0		3.0		38661AG	HON	N22A1/N22A2 ALFIN GALLERY
R 38662	1.2	1.2		2.8		38662	HON	C32A
R 38670	1.5	1.5		2.8		38670	HON	EB5
R 39104	2.0	2.0		4.0		39104 39628	ISU ISU	G161Z G161Z-II
R 39110	2.0	2.0		4.0		39110 39208 39654	ISU ISU ISU	G180Z G180SR G180Z-II
R 39119	1.5	1.5		4.0		39119	ISU	G200Z
R 39125	2.0	2.0	2.0	5.0		39125A 39127A	ISU ISU	C-240 OLD ALFIN C-190 ALFIN
R 39128	2.5	2.0		5.0		39128A 39621A	ISU ISU	C-190-3R ALFIN C-240 ALFIN
R 39130	2.0	2.0		4.0		39130A	ISU	C-223 ALFIN
R 39137	2.5	2.5	2.5	5.0		39137	ISU	DA-120-4R
R 39137-4	2.5	2.5	2.5	5.0		39137-4	ISU	DA220
R 39142	2.5	2.5	2.5	5.0		39142A	ISU	DA-640 ALFIN
R 39148	3.0	2.5		5.0		39148A 39149A 39151A 39667A	ISU ISU ISU ISU	6BB1 ALFIN 6BD1 ALFIN 6BD1-II ALFIN 6BD1-T ALFIN
R 39157	2.5	2.0		4.0		39157A 39183A	ISU ISU	4FC1 ALFIN 4FB1 ALFIN
R 39159	2.0	2.0		4.0		39159A	ISU	4FD1 ALFIN
R 39160	3.0	2.5		5.0		39160A	ISU	4BA1 ALFIN

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 39162	2.0	2.0		4.0		39162A	ISU	4JA1 ALFIN
						39163A	ISU	4JB1 ALFIN
						39188A	ISU	4JB1-T ALFIN
						39190A	ISU	4JB1-T LATE ALFIN
						39231A	ISU	4JA1T NEW ALFIN
						39656A	ISU	4JB1 LATE ALFIN
						39658A	ISU	4JA1 LATE ALFIN
R 39165	3.0	2.5		5.0		39148A-4	ISU	4BB1 ALFIN
						39149A-4	ISU	4BD1 ALFIN
						39151A-4	ISU	4BD1-II ALFIN
						39165A	ISU	4BC1 ALFIN
						39166A	ISU	4BC2 ALFIN
						39184A	ISU	4BD1-III ALFIN
						39227A	ISU	4BD1 LATE ALFIN
						39611AG	ISU	4BD2-T ALFIN GALLERY
						39618A	ISU	4BD1-T ALFIN
R 39170	2.0	1.5		3.0		39170A	ISU	4EC1 OLD ALFIN
						39179A	ISU	4EC1 TURBO ALFIN
R 39175	1.5	1.5		4.0		39175	ISU	4ZC1
R 39176	1.5	1.5		4.0		39176	ISU	4ZD1
						39228	ISU	4ZD1-II
R 39180	3.0	2.5		5.0		39180A	ISU	4BE1 ALFIN
						39612A	ISU	4BE1-II ALFIN
R 39181	3.0	2.5		4.0		39181A	ISU	4HF1 ALFIN
						39187A	ISU	4HF1-II ALFIN
R 39181-6	3.0	2.5		4.0		39181A-6	ISU	6HF1 ALFIN
						39187A-6	ISU	6HF1-II ALFIN
R 39182	3.0	2.5		4.0		39182A	ISU	6BG1 ALFIN
R 39185	1.5	1.5		4.0		39185	ISU	4ZE1
						39604	ISU	4ZE1-II
R 39186	1.5	1.5		4.0		39186	ISU	6VD1
R 39189	2.0	1.5		3.0		39189A	ISU	4EE1-T ALFIN
						39668A	ISU	4EE1 ALFIN
R 39209	1.2	1.2		3.0		39209	ISU	4XE1W
						39210	ISU	4XE1V
R 39211	1.5	1.5		3.0		39211	ISU	X22SE
						39229	ISU	X20SE
						39233	ISU	LUV
R 39226	2.0	2.0		4.0		39226	ISU	G200Z-II
R 39230	1.2	1.5		2.5		39230	ISU	X22SE-II
R 39232	2.5	2.0		3.0		39232AG	ISU	4JH1-TC ALFIN GALLERY
R 39245	2.0 HK	1.5		3.0		39245AG	ISU	4JK1-TCS/ 4JK1-TCX ALFIN GALLERY
R 39600	2.5	2.0		4.0		39600A	ISU	4JG2 EARLY ALFIN

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
						39608AG 39660AG	ISU ISU	4JG2-T ALFIN GALLERY 4JG2-T NEW ALFIN GALLERY
R 39601	2.5	2.0		4.5		39601A	ISU	C-223 OLD ALFIN
R 39602	2.0	2.0		4.0		39602A	ISU	4FG1 ALFIN
R 39603	1.2	1.2		2.8		39603	ISU	4XC1
R 39605	1.5	1.5		4.0		39605	ISU	4ZA1
R 39606	3.0	2.5		4.0		39606A 39615AG	ISU ISU	6SA1 ALFIN 6SA1-T ALFIN GALLERY
R 39607	3.0	2.5		4.0		39607A	ISU	6HE1 ALFIN
R 39609	2.5	2.0		4.0		39609A	ISU	C-223-T ALFIN
R 39614	3.5	2.5		4.0		39614AG	ISU	6BG1-T ALFIN GALLERY
R 39616	3.0	2.5		5.0		39616A	ISU	6BF1 ALFIN
R 39617	3.0	3.0	3.0	6.0		39617	ISU	DH100
R 39620	2.0	2.0	2.0	5.0	5.0	39620	ISU	C-221-II
R 39623	3.5	2.5		5.0		39623A	ISU	6SD1 ALFIN
R 39624	4.0	2.5		5.0		39624A	ISU	6RB1 ALFIN
R 39625	3.0	2.5		4.0		39625A	ISU	10PC1 ALFIN
R 39626	4.0	2.5		4.0		39626A	ISU	10PD1 ALFIN
R 39651	3.5	2.5		4.0		39651A 39682AG	ISU ISU	6HH1 ALFIN 6HH1-T ALFIN GALLERY
R 39653	3.0 HK	2.5		4.0		39244AG 39653A 39671AG 39676AG 39679AG	ISU ISU ISU ISU ISU	4HK1-TC ALFIN GALLERY 4HG1 ALFIN 4HK1-TC-II ALFIN GALLERY 4HG1-T ALFIN GALLERY 4HK1-TC-III ALFIN GALLERY
R 39655	3.0	2.0		4.0		39655AG	ISU	4BD2-T LATE ALFIN GALLERY
R 39657	3.0	2.5		6.0		39657A	ISU	6QA1 ALFIN
R 39659	1.5	1.5		2.8		39659	ISU	4XC1-IV
R 39661	2.5 FK	2.0		4.0		39661AG	ISU	4JX1 ALFIN GALLERY
R 39662	3.0	2.5		6.0		39662A	ISU	PA1 ALFIN
R 39663	3.9 FK	3.0	2.5	3.0		39663AG 39683AG	ISU ISU	6HE1-T ALFIN GALLERY 6HE1-T-II ALFIN GALLERY
R 39664	3.0 HK	2.0	1.2	3.0		39664AG 39664AG-6	ISU ISU	4HE1-TC ALFIN GALLERY 6HE1-TC ALFIN GALLERY
R 39665	2.95 HK	2.0	2.5	3.0		39665AG	ISU	6HK1-TC ALFIN GALLERY

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 39666	3.0 HK	2.5		4.0		39666AG	ISU	4HE1-T ALFIN GALLERY
R 39669	2.5 FK	2.0		4.0		39669AG	ISU	4JG2-T-II ALFIN GALLERY
R 39670	3.0	2.0		3.0		39670AG	ISU	4HL1 ALFIN GALLERY
R 39672	3.0 HK	2.5		4.0		39672A	ISU	4HF1 NEW ALFIN
R 39673	1.5	1.5		3.0		39243 39673	ISU ISU	6VD1-IV 6VE1-II
R 39674	2.0 HK	1.5		3.0		39674AG 39675AG	ISU ISU	4JJ1-TC CRDI ALFIN GALLERY 4JK1-TC ALFIN GALLERY
R 39677	3.0 FK	2.5		3.0		39677AG	ISU	6HL1-TC ALFIN GALLERY
R 39684	2.0	2.0	2.0	4.0		39684	ISU	C 2.2
R 42107	2.5	2.0		4.5		42107G	MAZ	SL GALLERY
R 42108	2.0	2.0		4.0		42108	MAZ	PB
R 42127	1.2	1.5		3.0		42127 42217 42660	MAZ MAZ MAZ	B3 B3-III B3-II
R 42131	1.5	2.0		4.0		42131 42196	MAZ MAZ	E3 E5-II
R 42132	1.2	1.5		4.0		42132 42652	MAZ MAZ	E5 NEW E3-II
R 42141	1.5	1.5		4.0		42141 42669	MAZ MAZ	NA OLD VB
R 42142	1.2	1.5		4.0		42142	MAZ	NA NEW - II
R 42146	1.2	1.5		4.0		42146	MAZ	MA
R 42149	2.4	2.4		4.8		42149A 42609	MAZ MAZ	HA ALFIN HA-II
R 42150	2.4	2.4	2.4	4.8	4.8	42150	MAZ	XB
R 42150-6	2.4	2.4	2.4	4.8	4.8	42150-6	MAZ	ZB OLD
R 42152	2.0	2.0		4.0		42152	MAZ	VC OLD
R 42157	1.5	1.5		4.0		42157 42164 42168 42192 42206 42218 42602 42603 42678	MAZ MAZ MAZ MAZ MAZ MAZ MAZ MAZ MAZ	FE F2 F8 F2-II FE-VII FE-VIII FE-III FE-IV F2T
R 42159	1.5	1.5		4.0		42159	MAZ	F6
R 42163	1.5	1.5		4.0		42163	MAZ	G6

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 42165	1.5	1.5		3.0		42165 42200 42208 42661	MAZ MAZ MAZ MAZ	BP05 BP-II BP-III BP
R 42166	1.2	1.5		3.0		42166 42202	MAZ MAZ	FS FP
R 42167	2.0	2.0		4.0		42167A 42671A	MAZ MAZ	R2 ALFIN RF-II ALFIN
R 42170	1.5	1.2		4.0		42140 42170	MAZ MAZ	NA NEW VC NEW
R 42171	1.5	1.5		4.0		42171 42653 42662	MAZ MAZ MAZ	B6 B5 B6-T
R 42172	1.5	1.5		3.0		42172 42668	MAZ MAZ	B6 - II B6ZE
R 42173	1.0	1.2		2.5		42173	MAZ	Z5
R 42174	2.4	2.4		4.75		42174A 42606 42659	MAZ MAZ MAZ	S2 ALFIN S5 XA-II
R 42179	2.4	2.4		4.8		42179A	MAZ	ZB ALFIN
R 42184	2.5 HK	2.0		4.5		42183A 42184AG	MAZ MAZ	TF ALFIN TF-II ALFIN GALLERY
R 42185	2.5	2.0		3.0		42185AG 42186A	MAZ MAZ	WL-T ALFIN GALLERY WL ALFIN
R 42193	1.5	1.5		4.0		42193	MAZ	FE-II
R 42198	2.85 FK	2.4		4.0		42198A	MAZ	SS K2700 ALFIN
R 42203	1.5	2.0		4.0		42203	MAZ	MA-IV
R 42207	1.2	1.5		2.5		42207	MAZ	AJ
R 42210	1.2	1.2		2.5		42205 42209 42210 42216	MAZ MAZ MAZ MAZ	L3 L3-II LF LF-II
R 42211	1.2	1.2		2.5		42211	MAZ	Z6
R 42212	2.0	1.5		2.0		42212AG	MAZ	MZ-DE ALFIN GALLERY
R 42213	2.0	1.5		2.0		42213AG	MAZ	MZR-CD ALFIN GALLERY
R 42214	1.2	1.5		3.0		42214 42672	MAZ MAZ	ZM ZL-VE
R 42215	2.5	2.0		3.0		42215AG	MAZ	W9 ALFIN GALLERY
R 42219	1.2	1.2		2.5		42219	MAZ	MZR 1.5L

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 42220	1.0	1.0		2.0		42220	MAZ	SKYACTIV-G
R 42221	1.5	1.5		2.0		42221	MAZ	MZR 2.3L
R 42222	1.5	1.5		2.0		42222	MAZ	L3-III
R 42223	1.0	1.0		2.0		42223	MAZ	SKYACTIV-G 2.5L
R 42224	1.0	1.0		2.0		42224	MAZ	SKYACTIV-G 1.5L
R 42225	1.0	1.0		2.0		42225	MAS	SKYACTIV-G-II
R 42600	1.5	1.5		4.0		42600	MAZ	UC
R 42601	2.0	1.5		3.0		42601	MAZ	PN
R 42605	2.4	2.4	2.4	4.8	4.8	42605	MAZ	XA
R 42607	1.5	1.5		4.0		42607	MAZ	TC LATE
R 42610	2.0 HK	2.0		3.0		42610AG	MAZ	RF ALFIN GALLERY
R 42611	2.0	2.0		3.0		42611AG 42674AG 42675AG	MAZ MAZ MAZ	R2 LATE ALFIN GALLERY R2 NEW ALFIN GALLERY RF7 ALFIN GALLERY
R 42612	2.0	2.0		4.5		42612	MAZ	VA
R 42613	2.5	2.0		4.5		42613AG	MAZ	SL-T ALFIN GALLERY
R 42651	2.0	2.0		4.0		42651 42670	MAZ MAZ	TC TC-II
R 42655	1.5	1.5		4.0		42655	MAZ	JE
R 42656	2.0	2.0		4.0		42656	MAZ	TB
R 42657	2.0	2.0		3.0		42657A	MAZ	JS K2700 ALFIN
R 42658	2.4	2.4		4.0		42658A	MAZ	SF K2400 ALFIN
R 42663	3.0 HK	2.0		3.0		42663AG	MAZ	TM ALFIN GALLERY
R 42664	1.5	1.5		3.0		42664	MAZ	KL
R 42665	1.5	1.5		3.0		42665	MAZ	KF
R 42676	1.2	1.2		2.5		42676	MAZ	L8
R 42679	1.2	1.2		2.5		42679	MAZ	ZJ
R 42680	1.2	1.2		2.5		42680	MAZ	L5-VE
R 43102	3.0 HK	2.5		5.0		43102A 43289 43615A 43668A	MIT MIT MIT MIT	6D14 ALFIN 6D14.A 6D14-T ALFIN 6D14-T-II ALFIN
R 43104	3.0 HK	2.5		5.0		43104A 43283A 43686A	MIT MIT MIT	6D15 ALFIN 6D15-II ALFIN 6D15-III ALFIN

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 43105	3.0	2.5		4.0		43105A	MIT	6D16 ALFIN
						43266A	MIT	6D16-2A ALFIN
						43267A	MIT	6D17-1A ALFIN
R 43107	3.5	2.5	2.5	5.0		43107A	MIT	6DB NEW ALFIN
R 43115	3.0 HK	2.0		5.0		43115	MIT	6DS7
						43115N	MIT	6DS7 NEW
R 43132N	2.0	2.0		4.0		43132	MIT	4G32
						43132N	MIT	4G32 NEW
						43224	MIT	4G32-III
						43656	MIT	G32S
R 43137	1.5	1.5		4.0		43137	MIT	4G33
						43606	MIT	4G36
R 43143	2.0	2.0		4.0		43144	MIT	4G41R NEW
R 43148	2.0	2.0		4.0		43148	MIT	4G52
R 43151	2.0	2.0		4.0		43151	MIT	4G53 OLD
R 43153	2.0	2.0		4.0		43153	MIT	4G54
						43654	MIT	G54B-II
R 43154	2.0	2.0		4.0		43154	MIT	4G62
R 43157	2.5 HK	2.0	2.0	4.5		43157	MIT	4DR5
						43609	MIT	4DR51/4DR5 LATE
R 43166	3.0 HK	2.0		5.0		43164A	MIT	4D30 OLD ALFIN
						43166A	MIT	4D30 ALFIN
						43168A	MIT	4D31 / 4D31T ALFIN
						43617A	MIT	4D31 T ALFIN
R 43168-6	3.0 HK	2.0		5.0		43168A-6	MIT	6D31 / 6D31T ALFIN
R 43170	2.8 FK	2.0		4.0		43170A	MIT	4D34 ALFIN
						43280A	MIT	4D36 ALFIN
						43605A	MIT	4D34T ALFIN
						43619A	MIT	4D32 LATE ALFIN
						43666A	MIT	4D32 NEW ALFIN
						43293AG	MIT	4D34T NEW ALFIN GALLERY
						43693A	MIT	4D34T-II ALFIN
R 43171	2.5	2.0		4.0		43171A	MIT	4D55 / 4D56 ALFIN
						43285	MIT	4D56-II
						43291A	MIT	4D56 LATE ALFIN
R 43173	2.5 HK	2.0 HK		4.0		43173A	MIT	4D56T ALFIN
						43661A	MIT	4D56-T LATE-II ALFIN
						43242AG	MIT	4D56-T LATE ALFIN GALLERY
						43672AG	MIT	4D55T/4D56T-II ALFIN GALLERY
						43678AG	MIT	4D56T CRDi ALFIN GALLERY
R 43176	1.5	1.5		2.5		43176	MIT	2G23
R 43187	1.5	1.5		4.0		43187	MIT	G15B
						43272	MIT	G15B-II

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 43195	1.5	1.5		4.0		43195 43219	MIT MIT	G37B 4G37
R 43207	2.0	2.0		4.0		43155 43207	MIT MIT	4G63 OLD G63B
R 43216	1.2	1.5		3.0		43216	MIT	4G17
R 43217	1.2	1.5		3.0		43217	MIT	4G15
R 43218	1.5	1.5		4.0		43218	MIT	6G72
R 43220	1.2	1.5		3.0		43220 43235 43249 43278 43667 43669	MIT MIT MIT MIT MIT MIT	6G72 NEW 6G72-T 6G72H 6G72-II 6G72-IV 6G72-III
R 43221	1.5	1.5		4.0		43221	MIT	4G32-M
R 43222	1.2	1.5		3.0		43222 43226 43231 43234 43261 43676	MIT MIT MIT MIT MIT MIT	4G63-P 4G63DK 4G63D 4G63D-T 4G63K G63DH
R 43223	2.8 FK	2.5		4.0		43223A 43305AG	MIT MIT	6D16-T ALFIN 6M60 ALFIN GALLERY
R 43225	1.2	1.5		2.8		43225 43270	MIT MIT	4G64S 4G64-II
R 43227	3.0 HK	2.0		4.0		43227A	MIT	4D32 ALFIN
R 43228	1.2	1.5		3.0		43228	MIT	4G64
R 43229	2.0 HK	2.0 HK		4.0		43229A 43241A 43264A 43286A	MIT MIT MIT MIT	4D65T ALFIN 4D65T OLD ALFIN 4D65 ALFIN 4D65-II ALFIN
R 43232	2.3 FK	2.0		4.0		43232AG 43610A 43673A	MIT MIT MIT	4M40-T ALFIN GALLERY 4DR7 ALFIN 4M40 ALFIN
R 43233	1.5	1.5		4.0		43233 43273 43292	MIT MIT MIT	G54B, RWD G54BT 4G54C
R 43244	3.0	2.0		4.0		43244A 43299A	MIT MIT	4D33 ALFIN 4D33-III ALFIN
R 43247	1.5	1.5		3.0		43247 43271 43284	MIT MIT MIT	6G74 6G74-II 6G74-III
R 43248	1.2	1.5		2.8		43248	MIT	4G15-II
R 43250	1.2	1.5		3.0		43250	MIT	4G61

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 43257	1.5	1.5		4.0		43257 43652	MIT MIT	4G13-II 4G13-III
R 43258	1.5	1.5		4.0		43258	MIT	4G64N
R 43263	1.2	1.5		3.0		43263	MIT	6G73
R 43275	3.5 FK	3.0	3.0	4.0		43275A	MIT	8DC91-T ALFIN
R 43279	1.2	1.5		2.8		43279	MIT	4G63N
R 43281	1.2	1.2		2.5		43281	MIT	4G18
R 43282	1.2	1.5		2.8		43282	MIT	4G13-IV
R 43287	1.2	1.2		2.0		43287	MIT	4G69
R 43288	1.2	1.2		2.5		43288	MIT	4G94
R 43290	1.2	1.2		2.0		43290	MIT	6G75
R 43294	1.2	1.5		3.0		43294	MIT	6G72-V
R 43296	1.0	1.2		2.0		43296 43296-4	MIT MIT	3A92 4A92
R 43297	1.2	1.0		2.0		43297	MIT	6B31
R 43300	2.5 HK	2.0 HK		3.0		43300AG	MIT	4D56T CRDi-II ALFIN GALLERY
R 43301	2.0 HK	1.5		2.0		43301AG	MIT	4N15 ALFIN GALLERY
R 43600	1.2	1.5		3.0		43600	MIT	4G13
R 43605-6	3.0 FK	2.0		4.0		43605A-6 43701AG	MIT MIT	6D34T ALFIN 6D34.2AT ALFIN GALLERY
R 43607	1.5	1.5		4.0		43607	MIT	4G12
R 43608	3.0	2.5		4.0		43608AG	MIT	4D35 ALFIN GALLERY
R 43612	2.0 HK	2.0 HK		3.0		43612AG	MIT	4D68T ALFIN GALLERY
R 43613	2.0 HK	2.0		3.0		43613A	MIT	4D68 ALFIN
R 43614	3.5 FK	3.0		6.0		43614A 43699A	MIT MIT	6D22 ALFIN 6D22-T-II ALFIN
R 43616	1.5	1.5		4.0		43616	MIT	4G11
R 43618	4.0 HK	3.0		6.0		43618A	MIT	8DC8 ALFIN
R 43621	1.5	1.5		4.0		43621	MIT	G63B-II
R 43655	2.5 HK	2.0		4.5		43655A 43655-6 43682 43682-6	MIT MIT MIT MIT	S4E ALFIN S6E S4S S6S
R 43657	1.2	1.2		2.8		43657 43658	MIT MIT	4G92S-H 4G93

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
						43671 43679	MIT MIT	4G92S 4G93-II
R 43659	3.3 HK	3.0	3.0	4.0		43659A	MIT	8DC11 ALFIN
R 43660	3.3 FK	3.0	3.0	6.0		43660A	MIT	8DC9 ALFIN
R 43663	2.5 FK	1.5		3.0		43663AG	MIT	4M41-T ALFIN GALLERY
R 43664	3.0 HK	2.0		4.0		43664A	MIT	4D31-T LATE ALFIN
R 43665	3.0	2.5		4.0		43665A	MIT	6D14-T.2A ALFIN
R 43670	2.3 FK	2.0		3.0		43670AG 43681AG	MIT MIT	4M40-T-II ALFIN GALLERY 4M42-0AT ALFIN GALLERY
R 43674	3.0	2.0		3.0		43674A	MIT	4M51 ALFIN
R 43675	2.8 FK	2.5		4.0		43675A	MIT	6D15.3AT ALFIN
R 43677	1.2	1.2		2.8		43677	MIT	6A12
R 43680	1.0	1.2		2.5		43680	MIT	4A31
R 43683	3.0	2.0		4.0		43683AG	MIT	4M51T ALFIN GALLERY
R 43684	2.8 FK	2.5		4.0		43684A	MIT	6D14.3AT ALFIN
R 43685	3.0 FK	2.0		4.0		43685AG	MIT	4M50T ALFIN GALLERY
R 43687	2.5	2.0		4.0		43687	MIT	4DQ5
R 43688	3.0 HK	2.0		5.0		43688	MIT	S4E2
R 43691	3.0	2.0		4.0		43691AG	MIT	4D35 / 4D35T ALFIN GALLERY
R 43692	1.2	1.2		2.0		43692	MIT	4B11
R 43694	1.2	1.2		2.0		43694	MIT	4B12
R 43695	3.0	2.0		4.0		43695AG	MIT	6M61 ALFIN GALLERY
R 43696-3	1.2	0.8		2.0		43696-3	MIT	3A91
R 43696	1.2	0.8		2.0		43696	MIT	4A91
R 44102	2.0	2.0		4.0		44102 44256	NIS NIS	A12 1970 A10
R 44109	2.0	2.0		4.0		44109 44322	NIS NIS	A14S, A14 A14-II
R 44114	1.2	2.0		4.0		44114	NIS	A15S, A15
R 44121	2.0	2.0		4.0		44121 44690	NIS NIS	J15, J16 QG16DE
R 44122	1.5	1.5		4.0		44122	NIS	E10S, E10
R 44125	1.5	1.5		4.0		44125 44259	NIS NIS	E15S, E15 E16i

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
						44355 44611 44668	NIS NIS NIS	E15-III E13 E15-T
R 44160	2.0	2.0		4.0		44160	NIS	L24/L26
R 44166	2.0	2.0		4.0		44166 44167 44305	NIS NIS NIS	L18 NEW 1970 L18 OLD L20B
R 44176	2.0	2.0		4.0		44176A 44263A	NIS NIS	LD20 ALFIN LD20-II ALFIN
R 44186	1.5	1.5		4.0		44186	NIS	CA16
R 44190	1.5	1.5		4.0		44190	NIS	CA18
R 44193	1.5	1.5		4.0		44193 44663	NIS NIS	CA20 CA20-III
R 44196	2.0	2.5		4.0		44196 44608	NIS NIS	H20, H20P H20-II
R 44210	2.5	2.0	2.0	4.5	4.5	44210A	NIS	SD22 ALFIN
R 44210-6	2.5	2.0	2.0	4.5	4.5	44210A-6	NIS	SD33 ALFIN
R 44215	2.5	2.0		4.5		44215A 44622A	NIS NIS	SD23 / SD25 ALFIN SD23/25-II ALFIN
R 44224	1.5	1.5		4.0		44224 44227	NIS NIS	Z20 Z20S
R 44230	1.5	1.5		4.0		44230 44278	NIS NIS	Z22S Z22
R 44232	2.0	1.5		4.0		44232	NIS	Z24, Z24i
R 44235	2.5	2.5		4.8		44235	NIS	P680
R 44236	5.0	3.5		5.0		44236A	NIS	PD6 ALFIN
R 44242	4.0	3.0		6.0		44242A	NIS	RD8 ALFIN
R 44244	4.0	3.0		5.0		44244A	NIS	ND6 ALFIN
R 44246	3.0 HK	2.5		4.0		44246A	NIS	NE6 ALFIN
R 44255	2.5	2.0		4.0		44255A 44666A	NIS NIS	TD25 ALFIN TD25 LATE ALFIN
R 44258	1.5	1.5		2.8		44258 44260 44306 44688	NIS NIS NIS NIS	GA16i, GA16DS GA16DE GA16DS-II, GA16S QG16
R 44261	3.0 HK	2.0		4.0		44261A	NIS	FE6T ALFIN
R 44262	1.75	2.0		3.0		44262A	NIS	CD17 ALFIN
R 44264	3.0	3.0		5.0		44264A	NIS	RE8 ALFIN

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
						44264A-10	NIS	RE10 ALFIN
R 44265	1.5	2.0		4.0		44265	NIS	J18
R 44266	2.5	2.0		4.0		44266A 44291	NIS NIS	TD23 ALFIN SD22-II
R 44267	2.5	2.0		4.0		44267A 44619AG	NIS NIS	TD27 ALFIN BD30 ALFIN GALLERY
R 44267-6	2.5	2.0		4.0		44267A-6	NIS	TD42 ALFIN
R 44269	2.0	2.0		4.0		44269 44283 44662	NIS NIS NIS	Z16 L16-II/L26-II L16-III
R 44271	1.5	1.5		2.8		44271 44272 44321 44675 44676	NIS NIS NIS NIS NIS	KA24E KA24E-II KA24DE K21 K25
R 44273	1.2	1.2		2.5		44273 44325	NIS NIS	VQ30DE VQ30DE-II
R 44274	1.5	1.5		2.8		44274	NIS	VG33E
R 44275	1.5	1.5		2.8		44275 44276 44277	NIS NIS NIS	VG30E VG30DE VG30i / VG30E OLD
R 44279	1.5	1.5		2.8		44279	NIS	CA20-II
R 44290	2.5	2.5		4.0		44290A	NIS	RF8 ALFIN
R 44295	2.0	2.0		3.0		44295A	NIS	LD23 ALFIN
R 44296	2.5 HK	2.0		3.0		44296AG 44654AG 44672AG	NIS NIS NIS	TD27-T - II ALFIN GALLERY BD30T ALFIN GALLERY ZD30 ALFIN GALLERY
R 44297	2.5	2.0		3.0		44297A	NIS	QD32 ALFIN
R 44316	1.5	1.5		4.0		44316	NIS	Z24-II
R 44323	3.0 HK	2.0		4.5		44323A 44657A	NIS NIS	FD6T ALFIN FD6T-II ALFIN
R 44326	1.2	1.5		3.0		44326	NIS	CG13DE
R 44328	1.2	1.2		2.5		44328 44338 44342 44343 44707 44708	NIS NIS NIS NIS NIS NIS	QR25DE KA24DE-IV QR20DE QR25DE-III K21-II K25-II
R 44330	4.0 HK	3.5		6.0		44330A	NIS	PE6-T ALFIN
R 44331	1.2	1.2		2.5		44331	NIS	VQ35DE-II

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 44333	1.2	1.2		2.5		44333 44682	NIS NIS	QG18DE-II QG18DE
R 44335	1.5	2.0		4.0		44335	NIS	L28S
R 44336	1.5	2.0		4.0		44336	NIS	L24S
R 44339	1.2	1.2		2.0		44339 44345 44365	NIS NIS NIS	HR15DE HR16DE HR16DE-III
R 44340	1.2	1.2		2.0		44340 44350	NIS NIS	MR18DE MR20DE
R 44341	1.2	1.2		2.5		44332 44341	NIS NIS	VQ35DE VQ40DE
R 44347	2.0	1.5		4.0		44347 44347-4	NIS NIS	TB45DE/TB48DE TB45DE/TB48DE
R 44348	2.6 HK	2.0		3.0		44348A	NIS	FE6-TC ALFIN
R 44349	1.2	1.2		2.0		44349	NIS	QR25DE-IV
R 44351	1.2	1.2		2.0		44351	NIS	HR12DE
R 44358	1.2	1.0		2.0		44358	NIS	MRA8DE
R 44362	1.2	1.0		2.0		44362G	NIS	MR16DDT GALLERY
R 44363	2.0 HK	1.75		2.0		44363AG	NIS	R9M ALFIN GALLERY
R 44366	1.2	1.2		2.5		44366	NIS	VK56VD
R 44600	1.5	1.5		2.8		44600 44650	NIS NIS	MA10 MA10-II
R 44601	1.5	1.5		3.0		44601 44652	NIS NIS	SR20DE SR20DE-II
R 44602	2.0	2.0		3.0		44602A	NIS	CD20 ALFIN
R 44603	2.5 HK	2.0		4.0		44603A	NIS	SD33T ALFIN
R 44604	1.5	1.5		4.0		44604	NIS	NA20
R 44605	3.0	2.0		4.5		44605A 44698A	NIS NIS	ED33 ALFIN FD33 ALFIN
R 44606	2.0	2.0		4.0		44606 44623AG	NIS NIS	RD28 RD28-T ALFIN GALLERY
R 44609	1.5	1.5		2.8		44609 44704	NIS NIS	GA13 MA12S
R 44610	1.5	1.5		2.8		44610 44614 44669 44691	NIS NIS NIS NIS	GA15DS GA14DS GA14 QG15
R 44615	1.5	1.5		4.0		44615	NIS	NA16S

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 44616	2.0	2.0		4.0		44616	NIS	L28
R 44617	1.5	1.5		4.0		44617	NIS	L24E
R 44618	3.0	2.0		4.0		44618A 44665AG	NIS NIS	FD46 ALFIN FD42 ALFIN GALLERY
R 44620	2.0	2.0		4.0		44620A	NIS	FD35 ALFIN
R 44621	2.5 HK	2.0		4.0		44621AG 44674AG	NIS NIS	TD27-T ALFIN GALLERY TD27-T NEW ALFIN GALLERY
R 44621-6	2.5 HK	2.0		4.0		44621AG-6	NIS	TD42-T ALFIN GALLERY
R 44624	2.0	2.0		4.0		44624AG	NIS	LD20-T ALFIN GALLERY
R 44625	2.0	2.0		4.0		44625A	NIS	LD28 ALFIN
R 44629	3.1 HK	2.0		4.5		44629A	NIS	FD33-T ALFIN
R 44630	2.5	2.0		3.0		44630A	NIS	TD27-LATE ALFIN
R 44630-6	2.5	2.0		3.0		44630A-6	NIS	TD42-LATE ALFIN
R 44653	1.5	1.5		2.8		44653	NIS	RB20E
R 44655	4.0 FK	3.5		6.0		44655A	NIS	PE6 ALFIN
R 44656	2.5 HK	2.0		4.0		44344A 44656A 44692A	NIS NIS NIS	FE6T-II ALFIN FE6TA ALFIN FE6T NEW ALFIN
R 44658	3.0 HK	2.0	2.0	4.5		44658A	NIS	FD6T-III ALFIN
R 44659	3.0 HK	2.0		4.0		44659A	NIS	FD35-T ALFIN
R 44660	2.0	2.0		4.0		44660	NIS	TB42/ E/ S
R 44661	1.5	1.5		2.8		44661	NIS	CA18ET
R 44664	1.5	1.5		2.8		44664	NIS	RB30E
R 44667	3.0	2.0		4.0		44667A	NIS	FE6 ALFIN
R 44670	3.0	2.0	2.0	4.5		44670	NIS	ED30
R 44671	2.0 HK	2.0		3.0		44364AG 44671AG 44684AG 44686AG	NIS NIS NIS NIS	YD25DDTi-II ALFIN GALLERY YD25TDI ALFIN GALLERY YD25TDI NEW ALFIN GALLERY YD25DDTI ALFIN GALLERY
R 44673	2.5 HK	2.0		2.0		44673AG 44678AG	NIS NIS	ZD30 LATE ALFIN GALLERY ZD30DDTI ALFIN GALLERY
R 44677	1.2	1.2		2.5		44677	NIS	QG15DE
R 44679	4.0 FK	3.5		5.0		44679A	NIS	PD6-T ALFIN
R 44680	1.5	1.5		2.5		44680	NIS	VK56DE
R 44681	2.0 HK	2.0		3.0		44681AG	NIS	CD20-T ALFIN GALLERY

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 44683	2.6 HK	2.0		3.0		44683AG	NIS	QD32TI ALFIN GALLERY
R 44684	2.0 HK	2.0		3.0		44684AG	NIS	YD25TDI NEW ALFIN GALLERY
R 44685	2.0 HK	2.0		3.0		44685AG 44697AG	NIS NIS	YD22DDT/ETI ALFIN GALLERY YD22DDT/DDTI ALFIN GALLERY
R 44687	1.2	1.5		3.0		44327 44687	NIS NIS	CG10DE CG13DE-II
R 44689	1.2	1.2		2.5		44689 44693	NIS NIS	VQ20 VQ20-II
R 44694	3.0	2.0		4.0		44694A	NIS	ED35 ALFIN
R 44695	1.5	1.5		3.0		44695	NIS	GA16DE-III
R 44696	2.0 HK	2.0		4.0		44696AG	NIS	RD28TI NEW ALFIN GALLERY
R 44699	2.0	2.5		4.0		44699	NIS	H25
R 44702	2.0	1.2		2.0		44702AG	NIS	ZD30DD ALFIN GALLERY
R 44705	1.2	1.2		2.0		44705	NIS	CR12DE
R 45114-3	1.5	1.5		2.8		45114-3	SUZ	F5A
R 45114	1.5	1.5		2.8		45114 45652	SUZ SUZ	F8A, ST90, LJ80 F8A
R 45117	1.5	1.5		2.8		45117	SUZ	F10A, ST100, SJ410
R 45122	1.5	1.5		2.8		45122	SUZ	SS80
R 45123	1.2	1.5		2.8		45123	SUZ	SL413
R 45124	1.2	1.5		2.8		45124 45127 45601	SUZ SUZ SUZ	G16KV G16A, G16KC SWIFT 1.6
R 45125	1.2	1.5		2.8		45125 45126	SUZ SUZ	G10 NEW, G10A G10
R 45128	1.2	1.5		2.8		45126-4 45128 45650 45653 45654	SUZ SUZ SUZ SUZ SUZ	G13 G13B G13-II G13BB G13B-II
R 45131	1.2	1.5		2.5		45131	SUZ	H25A
R 45132	1.2	1.2		2.5		45132 45144	SUZ SUZ	VITARA G16B-II
R 45133	1.2	1.5		2.5		45133	SUZ	J20A
R 45134	1.2	1.5		2.5		45134	SUZ	H20A
R 45135	1.2	1.2		2.5		45135	SUZ	STEAM 1.3L
R 45136	1.0	1.2		2.0		45136	SUZ	ALTO

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 45137	1.2	1.5		2.8		45137	SUZ	H27
R 45138	1.2	1.5		2.5		45138	SUZ	F6A
R 45139	1.2	1.0		2.0		45139	SUZ	J24B
R 45141	1.0	1.2		2.0		45141	SUZ	K12A
R 45142	1.2	1.5		2.8		45142	SUZ	H27-II
R 45143	1.2	1.2		2.5		45143	SUZ	M15A
R 45145	1.0	1.2		2.0		45145	SUZ	K10B
R 45146	1.2	1.5		2.5		45146-3 45146	SUZ SUZ	ALTO LXI WAGON R
R 45147	1.2	1.2		2.5		45147 45150	SUZ SUZ	SX4 J20A-II
R 45149	1.2	1.2		2.5		45149	SUZ	G15A
R 45152	1.2	1.0		2.0		45152	SUZ	J20B
R 45153	1.2	1.2		2.5		45153	SUZ	G16KV-II
R 45162	1.0	1.2		2.0		45162	SUZ	K12B
R 45655	1.2	1.2		2.5		45655	SUZ	G13-Y58
R 45656	1.2	1.2		2.5		45656 45657	SUZ SUZ	M13A M15A-II
R 46103	2.0	2.0		4.0		46103	TOY	3K
R 46105	1.5	1.5		4.0		46105	TOY	4K , 4KU
R 46107	1.5	1.5		4.0		46107 46116 46259 46335	TOY TOY TOY TOY	5K 1S 7K 5K-II
R 46112	2.0 HK	2.0		4.0		46112A	TOY	1C ALFIN
R 46118	1.5	1.5		4.0		46118 46119 46120	TOY TOY TOY	1Y 2Y 3Y
R 46122	1.5	1.5		4.0		46122	TOY	4Y
R 46124	2.5 HK	2.5		4.5		46124A 46287A	TOY TOY	B, BU-30 ALFIN 11B ALFIN
R 46127	2.5 HK	2.5		4.5		46127	TOY	2B
R 46128	2.5 HK	2.5		4.5		46128A	TOY	3B ALFIN
R 46130	2.5	2.5		4.5		46130A	TOY	13B ALFIN
R 46132	3.0	3.0		4.0		46132	TOY	F, FA-90

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 46136	2.0	2.5		4.0		46136 46623	TOY TOY	2F 2F-II
R 46138	1.5	1.5		4.0		46138	TOY	3F
R 46141	1.5	1.5		3.0		46141 46274 46345	TOY TOY TOY	2E 3E, 3EE 2E-II
R 46163	1.5	1.5		2.8		46163 46658	TOY TOY	3A, 3AU 1A
R 46175	2.0	2.5		4.0		46175 46177	TOY TOY	5R OLD 5R NEW
R 46187	2.0	2.0		4.0		46187	TOY	12R, 12RU
R 46189	2.0	2.5		4.0		46189 46294 46659	TOY TOY TOY	18R, 18RC, 18RB 20R 20R-II
R 46199	1.5	2.0		4.0		46199	TOY	21R, 21RC
R 46201	2.0	2.5		4.0		46201	TOY	22R
R 46202	1.5	1.5		4.0		46202	TOY	22R-E
R 46207	2.0	2.0		4.0		46207 46338 46619	TOY TOY TOY	2T, 2T-B 2T/2TB 2TC
R 46211	1.5	1.5		4.0		46211 46218 46662	TOY TOY TOY	2T, 2T-U 3T, 3T-U, 13T-U 13T
R 46226	2.5 HK	2.5		4.0		46226A 46226A-6	TOY TOY	2J ALFIN H NEW ALFIN
R 46231	2.5 HK	2.5		4.0		46231A 46611A	TOY TOY	2H ALFIN 2H LATE ALFIN
R 46234	2.5	2.0		4.0		46234	TOY	L OLD, LN30
R 46236	2.0 HK	2.0		4.0		46236 46238	TOY TOY	L NEW, LN50 L NEW-II
R 46240	2.0 HK	2.0		4.0		46240A 46261A 46351A 46389AG 46600AG 46602A	TOY TOY TOY TOY TOY TOY	2L ALFIN 2L-II, 2L LATE ALFIN 2LT NEW-II ALFIN 2LT NEW ALFIN GALLERY 2LT LATE ALFIN GALLERY 2L-T, 2L-THE, 2L-TE ALFIN
R 46242	3.0	3.0	3.0	5.0	5.0	46242	TOY	2D OLD
R 46244	3.0 HK	2.5	2.5	5.0		46244	TOY	2D NEW
R 46254	2.5 HK	2.0		4.0		46254A 46622A	TOY TOY	14B ALFIN 3B-II ALFIN
R 46255	1.5	1.5		4.0		46255	TOY	3SFE

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	RING GROOVE			OIL				
	1	2	3	1	2			
						46621	TOY	3SFE-III
						46667	TOY	3SFE-IV
R 46256	2.0 HK	2.0		4.0		46256A	TOY	3L ALFIN
R 46257	2.0 HK	2.0		4.0		46257A	TOY	1HZ, 1PZ ALFIN
						46268A	TOY	1HD-T LATE ALFIN
						46325A	TOY	1HD-T-II ALFIN
						46362AG	TOY	1HD-FT ALFIN GALLERY
R 46258	1.2	1.2		3.0		46258	TOY	5E-FE
						46346	TOY	4E-FE-II
R 46260	1.75 HK	2.0		3.0		46260A	TOY	2C ALFIN
R 46262	1.2	1.5		3.0		46262	TOY	4AFE, 4AG
						46266	TOY	4AFE-II, 4AG
						46277	TOY	7AFE
						46664	TOY	4A-GEU - VVT
R 46267	1.5	1.5		4.0		46267	TOY	21R-II
R 46269	1.5	1.5		2.8		46269	TOY	4AC/ 4AELU
						46310	TOY	4AGE, 4AGELC
						46349	TOY	4A-GEU-II
						46618	TOY	4AGE
R 46270	2.0	2.0		4.0		46270	TOY	1FZ-FE
R 46271	1.5	1.5		3.0		46271	TOY	4AFE-III
R 46272	2.0	2.0		4.0		46272-4	TOY	3F NEW, 3FE
						46272	TOY	3F NEW, 3FE
R 46273	2.0 HK	1.5		4.0		46273AG	TOY	5L ALFIN GALLERY
R 46275	1.5	1.5		4.0		46275	TOY	7MGTE, 7MGTEU
						46280	TOY	7MGE, 7MG
						46632	TOY	5MGEU
R 46276	1.5 HK	1.5		3.0		46276A	TOY	1N ALFIN
R 46278	2.0 HK	2.0		3.0		46264A	TOY	2C-II, 2CT LATE ALFIN
						46278A	TOY	2C-T ALFIN
						46374A	TOY	2C-IV ALFIN
						46684	TOY	1DZ NEW
						46629AG	TOY	3C ALFIN GALLERY
						46695AG	TOY	2CT-III ALFIN GALLERY
R 46279	1.5	1.5		4.0		46279	TOY	5SFE
R 46281	1.5	1.5		4.0		46281	TOY	3VZ-FE
						46606	TOY	3VZE
R 46282	1.75	2.0		4.0		46282	TOY	1FZ-FE-II
						46372	TOY	1FZ-FE-III
R 46283	2.0 HK	2.0		3.0		46283AG	TOY	1KZ-TE, 1KZ ALFIN GALLERY
						46671AG	TOY	1KZ-TE NEW ALFIN GALLERY
R 46286	1.2	1.5		2.8		46286	TOY	4 A-GEU

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 46288	1.2	1.2		3.0		46288	TOY	1MZFE
R 46289	1.5	1.5		4.0		46289 46376	TOY TOY	4SFI 4SFI-II
R 46290	1.5	1.5		3.0		46290	TOY	5AF
R 46300	1.75	1.5		4.0		46300 46359	TOY TOY	1RZ 1RZ-III
R 46308	2.5 HK	2.5	2.5	4.5		46308	TOY	BU-30-II
R 46309	1.2	1.2		3.0		46309	TOY	5SFE-II
R 46311	1.5	1.5		4.0		46311 46312	TOY TOY	2RZ-FE 3RZ-FE, 3RZ-FZ
R 46313	1.75	1.5		4.0		46313 46375 46607 46694	TOY TOY TOY TOY	2TZ-FE 2RZ-FE-III 2RZ, 2RZE 3RZ-F
R 46316	2.5 HK	2.5		4.5		46316	TOY	H-II
R 46330	1.5	1.5		4.0		46330 46352	TOY TOY	2JZGE 2JZGE-II
R 46334	1.2	1.2		3.0		46334 46342 46367	TOY TOY TOY	1ZZFE 4ZZFE 3ZZ-FE
R 46337	1.5	1.5		4.0		46337	TOY	2UZFE
R 46339	2.5	2.0		4.0		46339A	TOY	RINO ALFIN
R 46340	1.2	1.2		3.0		46340	TOY	2ZZFE
R 46343	1.2	1.2		2.0		46343	TOY	2AZFE
R 46347	1.2	1.5		3.0		46347	TOY	5AFE NEW
R 46348	2.0	1.5		3.0		46348AG	TOY	2KD - FTV ALFIN GALLERY
R 46350	1.2	1.2		3.0		46350	TOY	1UZFE-II
R 46353	1.2	1.2		2.0		46353	TOY	1AZFE
R 46354	1.2	1.2		3.0		46354	TOY	2NZ-FE
R 46356	1.2	1.2		2.0		46356 46361	TOY TOY	3SZ-VE K3-VE
R 46357	1.2	1.2		3.0		46357	TOY	3MZFE
R 46358	1.5	1.5		4.0		46358	TOY	7K-II
R 46360	1.2	1.2		2.0		46360	TOY	2TR-FE
R 46363	1.2	1.2		2.0		46363 46363-4 46396	TOY TOY TOY	2GR-FE 2GR-FE 2GR-FSE

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	RING GROOVE			OIL				
	1	2	3	1	2			
R 46364	1.2	1.2		2.0		46332 46355 46364	TOY TOY TOY	1NZFE 2NZ-FE-II 1NZFE-II
R 46365	1.2	1.2		2.0		46365	TOY	1AZ-FSE
R 46366	1.2	1.2		2.0		46366	TOY	1TR-FE
R 46368	1.2	1.2		2.0		46368 46703	TOY TOY	1GR-FE 1GR-FE-II
R 46369	2.5 HK	2.5	2.5	4.0		46369	TOY	2J-III
R 46370	1.0	1.2		2.0		46370	TOY	1NZ-FXE
R 46371	1.0	1.2		1.5		46371	TOY	1NZFE-III
R 46377	1.2	1.2		3.0		46377	TOY	1G-FE
R 46379	1.0	1.0		2.0		46379	TOY	2AZFE-II
R 46381	2.5	2.0		4.0		46381A	TOY	S05C-II ALFIN
R 46382	1.0	1.0		1.5		46382 46383 46384 46398	TOY TOY TOY TOY	1ZR-FE 2ZR-FE 3ZR-FE 2ZR-FXE
R 46385	1.2	1.2		2.0		46385	TOY	1SZFE-II
R 46387	1.0	1.0		2.0		46387 46406	TOY TOY	3NR-FE 2NR-FE-II
R 46388	1.2	1.2		2.0		46388	TOY	3UR-FE
R 46391	1.2	1.0		2.0		46391	TOY	2NR-VE
R 46392	2.0 HK	1.5		3.0		46392AG 46393AG	TOY TOY	2GD FTV ALFIN GALLERY 1GD-FTV ALFIN GALLERY
R 46395	1.2	1.2		3.0		46395	TOY	2UZ-FE-II
R 46397	1.2	1.2		2.0		46397	TOY	3GR-FSE
R 46601	2.0 HK	2.0		4.0		46601A 46609A	TOY TOY	2C-III ALFIN 2CT-II ALFIN
R 46603	2.0	2.0		4.0		46603	TOY	2K
R 46604	2.0	2.0		4.0		46604 46687	TOY TOY	2A 2A-II
R 46605	2.0	2.0		4.0		46605	TOY	5M
R 46608	2.5 HK	2.0		4.0		46608A 46626A	TOY TOY	11B-II ALFIN B LATE ALFIN
R 46610	1.5	1.5		4.0		46610 46670	TOY TOY	1GE 1G-EU
R 46612	2.0	2.0		4.0		46612	TOY	4P(High)

TEIKIN™
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PISTON RING LIST

TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
						46615 46651	TOY TOY	3P 4P(Low)
R 46613	2.0	2.0		4.0		46613A	TOY	1Z ALFIN
R 46614	2.0	2.5		4.0		46614	TOY	2R
R 46620	1.2	1.5		4.0		46263 46620 46663 46689	TOY TOY TOY TOY	3SGTE 3SFE-II 3SGE 3SGE-II
R 46624	2.5 HK	2.5		4.0		46624A	TOY	12H-T ALFIN
R 46625	3.0 HK	2.0		4.0		46625A	TOY	14B-T ALFIN
R 46627	1.5	1.5		4.0		46627	TOY	2S
R 46630	2.0 HK	2.0		3.0		46630 46650 46692	TOY TOY TOY	1C-III 1C-II 1C NEW
R 46653	2.0	2.0		4.0		46653	TOY	21R-III
R 46654	2.0 HK	2.0		4.0		46654A	TOY	1DZ ALFIN
R 46655	3.0 HK	2.0		4.0		46655A 46656AG	TOY TOY	15BF ALFIN 15BF-T ALFIN GALLERY
R 46660	1.5	1.5		3.0		46660	TOY	2VZ-FE
R 46661	1.5	1.5		3.0		46661	TOY	1E, 1EL
R 46665	1.5	1.5		3.0		46665	TOY	1UZFE
R 46666	1.5	1.5		4.0		46666	TOY	5VZ-FE
R 46668	2.5 HK	2.5		4.5		46668A	TOY	13B-T ALFIN
R 46674	2.0	1.5		4.0		46674AG	TOY	1HD-FTE ALFIN GALLERY
R 46675	2.0 HK	1.5		3.0		46675AG 46686AG 46698AG	TOY TOY TOY	1KD-FTV ALFIN GALLERY 1KD-FTV-II ALFIN GALLERY 1KD-FTV-III ALFIN GALLERY
R 46676	1.5	1.5		3.0		46676AG	TOY	1ND-TV ALFIN GALLERY
R 46677	1.0	1.0		1.5		46677	TOY	1KR-FE
R 46678	2.0	1.5		2.0		46678AG 46679AG 46696AG	TOY TOY TOY	1AD-FTV ALFIN GALLERY 2AD-FHV ALFIN GALLERY 2AD-FTV ALFIN GALLERY
R 46680	2.0	1.5		3.0		46680AG 46690AG	TOY TOY	1CD-FTV ALFIN GALLERY 1CD-FTV-II ALFIN GALLERY
R 46682	2.0	2.0		4.0		46682	TOY	2Z NEW
R 46683	1.2	1.2		2.0		46683	TOY	2SZ-FE
R 46685	2.0	2.0		4.0		46685	TOY	13Z

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
						46699	TOY	14Z
R 46688	1.2	1.0		2.0		46688	TOY	3ZR-FE-II
R 46691	2.0	1.5		2.0		46691AG	TOY	1VD-FTV ALFIN GALLERY
R 46697	1.0	1.0		2.0		46693 46697	TOY TOY	2AR-FE 1AR-FE
R 46700	3.0 FK	2.0		4.0		46700A	TOY	N04C ALFIN
R 46701	1.2	1.2		3.0		46373 46701	TOY TOY	3SFE-VII 3S-FE-VI
R 46702	1.0	1.0		1.5		46702	TOY	1NR-FE
R 48101	1.75	2.0		3.0		48101A	VW	ME, JP, JK, DW, CS ALFIN
R 48102	1.75	2.0		4.0		48102	VW	FR/JB, FP WV
R 48107	1.5	1.75		3.0		48107	VW	ET/ZF/EP
R 48110	1.5	1.75		3.0		48110 48600 48604 48609	VW VW VW VW	E-II, ABS KAT, DS, DX PL 4 KAT 1F / ABN / DT / EW AAM/ADF/DS/EX/RP
R 48111	1.2	1.5		2.0		48111 48203 48610 48611A	VW VW VW VW	9A, 9A 4V KAT AEG 2E,ADY,AGG BPY / CBFA/ CCTA ALFIN
R 48112	1.75	2.0		3.5		48112	VW	DJ
R 48204	1.5	1.75		2.0		48204 48205	VW VW	AEB AEB-II
R 48208	1.2	1.5		2.0		48208	VW	BGP/BGQ
R 48209	1.2	1.5		2.5		48209	VW	LUPO
R 48210	1.2	1.5		2.0		48210 48211 48212 48213 48214	VW VW VW VW VW	EA111 RSH EA111 EA111 ALCOOL EA111-II EA111 RSH-II
R 48215	1.2	1.5		2.0		48215	VW	2.0 L LATE
R 48218	1.2	1.5		2.0		48218A	VW	BZB ALFIN
R 48220-3	1.75	2.0		3.0		48220AG-3	VW	POLO ALFIN GALLERY
R 48220	1.75	2.0		3.0		48220AG	VW	VENTO ALFIN GALLERY
R 48221	1.2	1.5		2.0		48221	VW	1.4 TURBO
R 48222	1.75	2.0		3.0		48222AG	VW	2.0 LT TDI ALFIN GALLERY
R 48225	1.2	1.5		2.0		48225	VW	AMX

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 48228	1.2	1.2		2.0		48228	VW	CAXA
R 48229	1.2	1.2		2.0		48229	VW	CZCA
R 48230	1.2	1.2		2.0		48230	VW	CBZB
R 48231	1.2	1.2		2.0		48231	VW	CZDA
R 48232	1.2	1.2		2.0		48232A 48233A	VW VW	CDAB ALFIN CZPA ALFIN
R 48601	1.75	2.0		3.0		48601A	VW	1G / 1V / CY TURBO ALFIN
R 48602	1.75	2.0		3.0		48602A 48603A	VW VW	1X / 1Y / AAB ALFIN AAZ / ABL / ADE TURBO ALFIN
R 48605	1.75	2.0		3.0		48605	VW	2G / AAV / HK
R 48606	1.2	1.5		2.0		48606	VW	ADP / AEK / AFT
R 48607	1.2	1.5		2.5		48607 48608	VW VW	AEA / AEE / AHS / ALM AFH / AFK / AHW
R 48612	1.75	2.0		3.0		48612AG 48226AG	VW VW	ANU/ATD/AVB/AVQ ALFIN GALLERY AXB TURBO ALFIN GALLERY
R 48613	2.5	2.0		3.0		48613A	VW	ACV/ AGX/AHD/AHY ALFIN
R 49101	1.5	1.5		3.0		49101 49103 49105 49107	DAE DAE DAE DAE	LE MANS 1.5 CIELO 1.5 NUBIRA-II NUBIRA-IV
R 49102	1.2	1.5		3.0		30105 49102	CHE DAE	AVEO-II NUBIRA
R 49104	1.2	1.5		2.8		49104	DAE	F8C
R 49106	1.2	1.2		2.5		49106	DAE	MATIZ II
R 51101	1.2	1.2		2.5		51101	HYU	J2 (BETA)
R 51102	2.0	2.0		3.0		51102A 51108A	HYU HYU	D4BB ALFIN D4BA ALFIN
R 51103	3.0 HK	2.0		4.0		51103A 51607A	HYU HYU	D4AF ALFIN D4AF-III ALFIN
R 51104	1.5	1.5		3.0		51104 51119	HYU HYU	G4EK - ALPHA - F1 G4EB
R 51110	1.2	1.5		2.8		51110	HYU	G6BV
R 51111	1.2	1.2		2.5		51111	HYU	G6BV DELTA
R 51112	3.0 FK	2.0		4.0		51112A	HYU	D4AE ALFIN
R 51113	1.2	1.2		2.5		51113	HYU	G6BA
R 51114	1.2	1.5		3.0		51114	HYU	G4DM

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 51115	1.2	1.2		2.5		51115	HYU	1.6L
R 51116	1.2	1.5		3.0		51116	HYU	G4FK
R 51117	1.2	1.2		2.5		51117	HYU	ATOZ
R 51118	1.2	1.5		2.8		51118	HYU	ATOZ-II
R 51120	1.2	1.2		2.5		51120 51127 51131	HYU HYU HYU	G4DR - BETA - J2 - II 2.0L G4GF
R 51121	1.2	1.2		2.0		51121	HYU	XD
R 51123	1.5	1.5		3.0		51123	HYU	XG350
R 51125	1.5	1.5		4.0		51125	HYU	Y2
R 51128	1.2	1.2		2.0		51128	HYU	ATTITUDE
R 51129	1.5	1.5		3.0		51129 51600	HYU HYU	X3-II X3, G4EH
R 51130	1.2	1.5		2.8		51130	HYU	G4JP
R 51132	1.2	1.2		2.0		51132	HYU	SONATA 3.8L
R 51134	1.2	1.5		3.0		51134	HYU	ACCENT 1.5L
R 51135	1.2	1.2		2.0		51135 51161 51164 51613	HYU HYU HYU HYU	SONATA 2.4L G4KC G4KJ 2.4 GDI G4KE / G4KG
R 51136	1.2	1.2		2.0		51136 51149	HYU HYU	AVANTE 1.6L G4FA
R 51138	1.2	1.2		2.0		51124 51138	HYU HYU	DELTA 2.7L SANTA FE
R 51139	1.2	1.2		2.0		51139	HYU	G6DB
R 51140	1.0	1.2		2.0		51140 51156 51157 51612	HYU HYU HYU HYU	KAPPA2 KAPPA 1.25 MPI G4LA-II G4LA
R 51141	1.2	1.2		2.5		51141	HYU	SANTRO XING 1.0
R 51142	1.75	1.75		3.0		51142AG 51150AG	HYU HYU	i20 MAGNA CRDi ALFIN GALLERY D4FA ALFIN GALLERY
R 51144	1.2	1.2		2.0		51144	HYU	G4KD
R 51148	1.0	1.2		2.0		51146 51148	HYU HYU	ELANTRA NU 2.0L
R 51151	1.2	1.2		2.0		51151	HYU	G4GC
R 51152	1.2	1.2		2.0		51152	HYU	SANTRO XING ERLX 1.1 L

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 51154	1.75	1.75		3.0		51154AG	HYU	D4FB ALFIN GALLERY
R 51155	1.2	1.2		2.0		51145 51155	HYU HYU	G4FC-II G4FJ
R 51160	1.0	1.2		2.0		51160	HYU	G4NC
R 51162	1.0	1.2		2.0		51162G	HYU	G4LE GALLERY
R 51163	2.5 FK	2.0		3.0		51163AG	HYU	D4HA ALFIN GALLERY
R 51165	1.2	1.5		2.0		51165A	HYU	G4KH ALFIN
R 51602	3.0 FK	2.0		4.0		51602AG	HYU	D4DA ALFIN GALLERY
R 51603	2.5 HK	2.0		3.0		51603AG 51608AG	HYU HYU	D4CB CRDi ALFIN GALLERY D4CB TCi ALFIN GALLERY
R 51604	2.0 FK	2.0		3.0		51604A 51604A-4	HYU HYU	D3EA ALFIN D4EA ALFIN
R 51605	2.5 FK	2.0		3.0		51605AG	HYU	D4EB-F/D4EB-G ALFIN GALLERY
R 51606	2.5 HK	2.0 HK		4.0		51606AG	HYU	D4BH ALFIN GALLERY
R 51611	2.5 HK	2.0		3.0		51611AG	HYU	J3TCi-II ALFIN GALLERY
R 52101	1.5	1.5		4.0		52101	KIA	FE
R 52102	1.2	1.2		2.5		52102 52654	KIA KIA	DC A3E
R 52103	1.5	1.5		3.0		52103	KIA	B6D
R 52105	1.2	1.5		2.5		52105	KIA	CARNIVAL
R 52106	1.2	1.2		2.0		52106	KIA	PICANTO
R 52107	2.0 HK	2.0		3.0		52107AG	KIA	CARNIVAL-II ALFIN GALLERY
R 52108	1.5	1.5		3.0		52108	KIA	CREDOS
R 52110	1.2	1.5		3.0		52110	KIA	B1
R 52111	1.2	1.2		2.5		52111	KIA	RIO 1.6L
R 52112	1.2	1.2		2.5		52112	KIA	SPECTRA
R 52114	1.0	1.2		2.0		52114 52114-4	KIA KIA	ION ION
R 52650	2.0	2.0		3.0		52650AG	KIA	RFA ALFIN GALLERY
R 52651	2.0	2.0		3.0		52651AG	KIA	JT 3.0 ALFIN GALLERY
R 52652	2.5	2.0		4.5		52652A	KIA	JD K3500 ALFIN
R 52653	2.0	2.0		3.0		52653G 52656G	KIA KIA	SH K3600 GALLERY SH K3600 NEW-II GALLERY
R 53101	1.2	1.5		2.8		53101	ASI	TOWNER

PISTON RING LIST

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 54101	1.5	2.0		3.5		54101	BMW	M 20 B 20 L
R 54102	1.5	1.75		3.0		54102	BMW	M 20 B 25 M1 Z7 KAT
R 55101	1.2	1.5		3.0		55101	SUB	EJ22, EJ22E
R 55102	1.2	1.2		2.5		55102	SUB	EJ20-T
R 55103	1.2	1.5		2.8		55103	SUB	EJ25
R 55104	1.2	1.2		2.5		55104	SUB	EJ25-II
R 55105	1.2	1.2		2.0		55105	SUB	EJ255-T
R 55650	1.2	1.5		2.8		55650 55652	SUB SUB	EF10 EF12
R 55651	2.0	2.0		4.0		55651 55653	SUB SUB	EA71 EA82
R 55654	1.2	1.5		3.0		55654	SUB	EJ20
R 55655	1.5	1.5		3.0		55655	SUB	EJ20-T-II
R 56101	1.5	1.5		4.0		56101	OPE	1300S, 13S
R 56103	1.2	1.5		3.0		56103 56109 56603	OPE OPE OPE	1.6 SV, 16 SV KAT 1.6 LZ X 1.6 XE / XEL
R 56105	2.0	2.0		4.0		56105	OPE	20E CIH, 20S
R 56107	1.5	1.5		3.0		56107 56108 56112 56601 56604	OPE OPE OPE OPE OPE	C20XE4V KAT 2.0 X C20NE KAT 20 SE, X20 SE KAT C 2.0 XEV
R 56110	1.2	1.5		2.0		56110	OPE	Z 1.4 XE
R 56111	1.2	1.5		2.5		56111	OPE	Z 22 SE
R 56113	1.2	1.2		2.0		56113	OPE	X18XE
R 56600	1.5	1.5		3.0		56600	OPE	14 NV, 14 NVH
R 56605	2.0	1.5		2.0		56605A	OPE	Y 13 DT/Z 13 DT ALFIN
R 56606	2.0	1.5		3.0		56606A	OPE	Y 17 DT/DTL ALFIN
R 56607	1.5	1.5		3.0		56607	OPE	X 1.2 SZ
R 58103	1.2	1.5		2.5		58103	GM	ASTRA
R 58104	1.5	1.5		3.0		58104	GM	CORSA MPFI
R 58111	1.2	1.5		2.5		58111	GM	LLV
R 58118	2.0 FK	2.0		3.0		58118AG	GM	CAPTIVA ALFIN GALLERY
R 58119	1.2	1.2		2.0		58119	GM	1.8L

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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 58122	1.2	1.5		2.0		58122	GM	ECOTEC
R 58126	1.2	1.5		2.5		58126	GM	LY7
R 58130	1.2	1.2		2.0		58130	GM	CRUZE
R 58135	1.5	1.5		2.5		58135	GM	ESCALADE
R 58136	1.2	1.2		2.0		58136	GM	N18XFH
R 58139	1.2	1.2		2.0		58139	GM	1.2L
R 59107	1.5	2.0		3.95		59107 59108	LAD LAD	VAZ 2112 21213
R 59109	1.5	2.0		3.95		59109	LAD	VAZ 2105
R 60102	1.5	2.0		3.5		60102	VOL	GAZ 4062.10
R 60103	1.75	2.0		3.5		60103	VOL	405
R 60104	2.0	2.0		5.0		60104	VOL	GAZ 421
R 61601	1.5	1.75		3.0		61601	AUD	AAR / NF / NG
R 62101-2	2.0	2.0		3.0		62101A-2 62104A	TAT TAT	ACE ALFIN ACE-II ALFIN
R 62101	2.0	2.0		3.0		62101A 62104A-4	TAT TAT	INDICA ALFIN INDICA-II ALFIN
R 62105	2.5 FK	2.0		3.0		62105AG	TAT	1.4 DICOR ALFIN GALLERY
R 62106	1.2	1.5		2.5		62106	TAT	ACE CNG
R 63101	3.0 FK	2.5		3.0		63101A	ALY	6ETI ALFIN
R 63102	3.0 FK	2.5		5.0		63102A	ALY	6DTI ALFIN
R 64101	2.5 FK	2.3 HK		4.0		64101A-1 64101A	KOM KOM	S6D95 ALFIN S6D95 ALFIN
R 64102	2.9 FK	2.4		4.0		64102A-1 64102A	KOM KOM	S6D102 ALFIN S6D102 ALFIN
R 64601	2.0	2.0		4.0		64601A	KOM	4D95 ALFIN
R 64602	3.0	2.5		5.0		64602A	KOM	4D105 ALFIN
R 66101	3.0 FK	2.5		4.0		66101A	MAH	SCORPIO CRD ALFIN
R 66103	3.0 FK	2.5		4.0		66103A	MAH	MDI 3200 ALFIN
R 66104	2.0	2.0		4.0		66104	MAH	XD3P
R 66105	2.0 FK	1.5		2.0		66105A	MAH	MAXIMO ALFIN
R 66106	2.5 FK	2.0		2.5		66106A	MAH	SCORPIO M HAWK ALFIN
R 67106	1.2	1.5		2.5		67106	PEU	TU5JP4

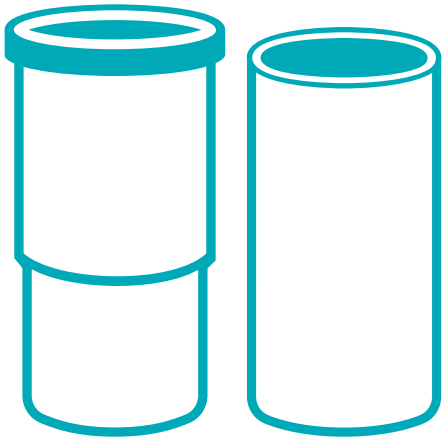
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TEIKIN RING NUMBER	SIZE					TEIKIN PISTON NUMBER	ENGINE MODEL	
	RING GROOVE			OIL				
	1	2	3	1	2			
R 67107	1.2	1.5		2.5		67107	PEU	EW10A
R 67108	1.2	1.5		2.0		67108	PEU	EP6C
R 67110	1.2	1.5		2.0		67110	PEU	EP6
R 69101	2.5 FK	2.0		3.0		69101AG	SSA	ACTYON 2.0L ALFIN GALLERY
R 70101	1.2	1.5		2.0		70101 70102	REN REN	2.0 L 2.0 L-II
R 70103	2.0	2.0		2.5		70103A	REN	K9K ALFIN
R 70104	1.2	1.5		2.5		70104	REN	D4F
R 70600	1.5	1.5		2.5		70108 70600 70601	REN REN REN	K4J K4M K7J 710
R G0135	2.0 HK	1.5		4.0		G0135-1 G0135	KUB KUB	4D78 4D78
R G0137	2.5 HK	2.0		4.5		G0137	KUB	RD 115
R G0600	2.0 HK	2.0		4.0		G0600A-1 G0600A	KUB KUB	D1503 ALFIN D1503 ALFIN
R G0601	2.0 HK	2.0		4.0		G0601A-1 G0601A	KUB KUB	V2403T ALFIN V2403T ALFIN
R G1102	2.0	2.0	2.0	4.0		G1102 G1604	YAN YAN	TS 60 TS 60-II
R G1103	2.5	2.5	2.5	4.0		G1103 G1605	YAN YAN	TS 70 TS 70-II
R G1104	2.5	2.5	2.5	4.0		G1104 G1601	YAN YAN	TS 105 TS 105-II
R G1105	2.5	2.5	2.5	4.0		G1105	YAN	TS 130
R G1106	2.5	2.5	2.5	4.5		G1106	YAN	TS 155
R G1107	2.5	2.5	2.5	4.0		G1107 G1602	YAN YAN	TS 180 TS 180-II
R G1108	2.5	2.5	2.5	4.5		G1108	YAN	TS 190
R G1116	2.5	2.5	2.5	4.5		G1116	YAN	TF 155
R G1118	2.0	2.0	2.0	4.0		G1118	YAN	TF 55
R G1122	2.5	2.5	2.5	4.5		G1122	YAN	TF 140
R G1606	2.5	2.5	2.5	4.0		G1606	YAN	TF 120
R G4104	2.0	2.0		2.8		G4104	HON	GX 420

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TEIKIN LINER NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
LSF 29106	29106A	MER OM - 355 ALFIN
LSF 29602	29602A	MER OM 661 ALFIN
LSF 29603	29603A	MER OM 601 ALFIN
LSF 29604	29604AG	MER OM602 TURBO ALFIN GALLERY
LFF 32102 LSF 32102	32102 32103	DAI DG DAI DG OLD-4R
LSF 32120 LSX 32120	32120A 32602A	DAI CL ALFIN DAI CL-T ALFIN
LFF 32126 LSF 32126	32126 32127 32128A	DAI DL DAI DL NEW-28 DAI DL NEW-26 ALFIN
LFF 32139 LSF 32139	32139	DAI DV26 5R
LSX 34118	34118	FIA TRACTOR 300, 350, 355
LFF 34122	34122 34123 34124	FIA FIRE 16V FIA FIRE 8V FIA FIRE FLEX 8V
LSF 34129	34129A 34129A-3	FIA PALIO 1.3L JTD ALFIN FIA PALIO 1.3L JTD ALFIN
LSX 35102	35102	FOR 2402 E
LFF 35201 LSF 35201	35201AG	FOR 2.2L DURATORQ TDCI ALFIN GALLERY
LSX 35601	35601A	FOR 4A B/ BA / BB / CA / FA ALFIN
LFF 36101	36101	HIN DM-100
LFF 36111	36111A	HIN EH-100 ALFIN
LFF 36113 LSF 36113	36113A 36124A 36125A 36127A 36129AG 36655AG	HIN EH-700 ALFIN HIN H07C NEW ALFIN HIN H07C OLD ALFIN HIN H07D ALFIN HIN H07C-T ALFIN GALLERY HIN H07C-T-II ALFIN GALLERY
LFF 36128	36128A	HIN EM 100 ALFIN
LFF 36135	36135A 36136A	HIN H06CTE ALFIN HIN H06CTB ALFIN
LFF 36552	36652A	HIN H06BT ALFIN
LFF 36601	36601A	HIN EB300 ALFIN
LFF 36603	36603A	HIN EC100 ALFIN
LFF 36650	36650A	HIN EK100 ALFIN

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LFF 36651-4 LSF 36651-4	36653A 36658A 36660A	HIN W04D ALFIN HIN W04D LATE ALFIN HIN W04CT ALFIN
LFF 36651	36651A 36656A 36661A	HIN W06D ALFIN HIN W06E ALFIN HIN W06DT ALFIN
LFF 36654	36654A	HIN EF750 ALFIN
LFF 36657	36657A 36659AG-4	HIN J05C ALFIN HIN J05C-T ALFIN GALLERY
LFF 36657-5	36659AG-5	HIN J07C-T ALFIN GALLERY
LFF 36657-6	36659AG 36657A-6	HIN J08C-T ALFIN GALLERY HIN J08C ALFIN
LSF 38658 LSX 38658	38658A	HON 20T2N/20T2 TURBO ALFIN
LSF 38661 LSX 38661	38661AG	HON N22A1/N22A2 ALFIN GALLERY
LSX 39104	39104 39605 39628	ISU G161Z ISU 4ZA1 ISU G161Z-II
LSX 39110	39110 39208 39654	ISU G180Z ISU G180SR ISU G180Z-II
LSX 39119	39119 39226	ISU G200Z ISU G200Z-II
LCF 39125 LSF 39125	39125A 39127A 39621A	ISU C-240 OLD ALFIN ISU C-190 ALFIN ISU C-240 ALFIN
LCF 39128 LSF 39128	39128A	ISU C-190-3R ALFIN
LCF 39130 LSF 39130	39130A 39601A 39609A	ISU C-223 ALFIN ISU C-223 OLD ALFIN ISU C-223-T ALFIN
LFF 39137-4	39137-4	ISU DA220
LFF 39137	39137	ISU DA-120-4R
LFF 39142	39142A	ISU DA-640 ALFIN
LCF 39148 LSF 39148	39148A 39149A 39151A 39184A-6 39667A	ISU 6BB1 ALFIN ISU 6BD1 ALFIN ISU 6BD1-II ALFIN ISU 6BD1-III ALFIN ISU 6BD1-T ALFIN
LSF 39157 LSX 39157	39157A 39183A	ISU 4FC1 ALFIN ISU 4FB1 ALFIN

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LSF 39159 LSX 39159	39159A	ISU 4FD1 ALFIN
LCF 39160 LSF 39160	39160A	ISU 4BA1 ALFIN
LCF 39162 LSF 39162	39162A 39231A 39658A	ISU 4JA1 ALFIN ISU 4JA1T NEW ALFIN ISU 4JA1 LATE ALFIN
LCF 39163 LFF 39163 LSF 39163	39163A 39188A 39190A 39656A	ISU 4JB1 ALFIN ISU 4JB1-T ALFIN ISU 4JB1-T LATE ALFIN ISU 4JB1 LATE ALFIN
LCF 39165 LFF 39165 LSF 39165	39165A 39166A	ISU 4BC1 ALFIN ISU 4BC2 ALFIN
LSF 39170 LSX 39170	39170A 39179A	ISU 4EC1 OLD ALFIN ISU 4EC1 TURBO ALFIN
LSX 39176	39176 39228	ISU 4ZD1 ISU 4ZD1-II
LCF 39180	39180A 39612A	ISU 4BE1 ALFIN ISU 4BE1-II ALFIN
LFF 39181 LSF 39181	39181A 39187A 39672A	ISU 4HF1 ALFIN ISU 4HF1-II ALFIN ISU 4HF1 NEW ALFIN
LFF 39181-6 LSF 39181-6	39181A-6 39187A-6	ISU 6HF1 ALFIN ISU 6HF1-II ALFIN
LCF 39182 LFF 39182	39182A 39614AG 39616A	ISU 6BG1 ALFIN ISU 6BG1-T ALFIN GALLERY ISU 6BF1 ALFIN
LSX 39185	39185 39604	ISU 4ZE1 ISU 4ZE1-II
LSX 39186	39186	ISU 6VD1
LSF 39189 LSX 39189	39189A 39668A	ISU 4EE1-T ALFIN ISU 4EE1 ALFIN
LSX 39211	39211 39233	ISU X22SE ISU LUV
LCF 39227 LFF 39227 LSF 39227	39148A-4 39149A-4 39151A-4 39227A 39611AG 39618A 39655AG	ISU 4BB1 ALFIN ISU 4BD1 ALFIN ISU 4BD1-II ALFIN ISU 4BD1 LATE ALFIN ISU 4BD2-T ALFIN GALLERY ISU 4BD1-T ALFIN ISU 4BD2-T LATE ALFIN GALLERY
LCF 39232 LSF 39232	39232AG 39600A 39608AG	ISU 4JH1-TC ALFIN GALLERY ISU 4JG2 EARLY ALFIN ISU 4JG2-T ALFIN GALLERY

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	39660AG 39669AG	ISU 4JG2-T NEW ALFIN GALLERY ISU 4JG2-T-II ALFIN GALLERY
LFX 39602 LSF 39602 LSX 39602	39602A	ISU 4FG1 ALFIN
LFF 39606	39606A 39615AG	ISU 6SA1 ALFIN ISU 6SA1-T ALFIN GALLERY
LFF 39607-4 LSF 39607-4	39664AG	ISU 4HE1-TC ALFIN GALLERY
LFF 39607 LSF 39607	39607A 39663AG 39664AG-6 39683AG	ISU 6HE1 ALFIN ISU 6HE1-T ALFIN GALLERY ISU 6HE1-TC ALFIN GALLERY ISU 6HE1-T-II ALFIN GALLERY
LFF 39617	39617	ISU DH100
LCF 39620	39620	ISU C-221-II
LFF 39623	39623A	ISU 6SD1 ALFIN
LFF 39624	39624A	ISU 6RB1 ALFIN
LFF 39625	39625A	ISU 10PC1 ALFIN
LFF 39626	39626A	ISU 10PD1 ALFIN
LFF 39651 LSF 39651	39651A 39665AG 39677AG 39682AG	ISU 6HH1 ALFIN ISU 6HK1-TC ALFIN GALLERY ISU 6HL1-TC ALFIN GALLERY ISU 6HH1-T ALFIN GALLERY
LFF 39653 LSF 39653	39653A 39676AG	ISU 4HG1 ALFIN ISU 4HG1-T ALFIN GALLERY
LFF 39657	39657A	ISU 6QA1 ALFIN
LFF 39661 LSF 39661 LSX 39661	39245AG 39661AG 39674AG 39675AG	ISU 4JK1-TCS/4JK1-TCX ALFIN GALLERY ISU 4JX1 ALFIN GALLERY ISU 4JJ1-TC CRDI ALFIN GALLERY ISU 4JK1-TC ALFIN GALLERY
LFF 39662	39662A	ISU PA1 ALFIN
LFF 39666 LSF 39666	39666AG	ISU 4HE1-T ALFIN GALLERY
LFF 39670 LSF 39670	39670AG	ISU 4HL1 ALFIN GALLERY
LFF 39671 LSF 39671	39244AG 39671AG 39679AG	ISU 4HK1-TC ALFIN GALLERY ISU 4HK1-TC-II ALFIN GALLERY ISU 4HK1-TC-III ALFIN GALLERY
LSF 39684 LSX 39684	39684	ISU C 2.2
LFF 42107	42107G	MAZ SL GALLERY



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LSF 42107	42613AG	MAZ SL-T ALFIN GALLERY
LFF 42108	42108	MAZ PB
LSX 42141	42140	MAZ NA NEW
	42141	MAZ NA OLD
	42142	MAZ NA NEW - II
	42170	MAZ VC NEW
	42669	MAZ VB
LSX 42146	42146	MAZ MA
	42152	MAZ VC OLD
	42203	MAZ MA-IV
LFF 42149	42149A	MAZ HA ALFIN
LSF 42149	42215AG	MAZ W9 ALFIN GALLERY
	42609	MAZ HA-II
LFF 42150	42150	MAZ XB
LSF 42150		
LSX 42159	42159	MAZ F6
LSX 42164	42164	MAZ F2
	42168	MAZ F8
	42192	MAZ F2-II
	42678	MAZ F2T
LFF 42167	42167A	MAZ R2 ALFIN
LSF 42167	42671A	MAZ RF-II ALFIN
LSX 42167		
LFF 42174	42174A	MAZ S2 ALFIN
LSF 42174		
LFF 42179	42179A	MAZ ZB ALFIN
LSF 42179	42150-6	MAZ ZB OLD
LFF 42183	42183A	MAZ TF ALFIN
LSF 42183	42184AG	MAZ TF-II ALFIN GALLERY
LFF 42185	42185AG	MAZ WL-T ALFIN GALLERY
LSF 42185	42186A	MAZ WL ALFIN
	42212AG	MAZ MZ-DE ALFIN GALLERY
LFF 42198	42198A	MAZ SS K2700 ALFIN
LSF 42198		
LFF 42213	42213AG	MAZ MZR-CD ALFIN GALLERY
LSF 42213		
LSF 42601	42601	MAZ PN
LSX 42601		
LFF 42605	42605	MAZ XA
LSF 42605	42606	MAZ S5
	42659	MAZ XA-II
LFF 42610	42610AG	MAZ RF ALFIN GALLERY
LSF 42610	42611AG	MAZ R2 LATE ALFIN GALLERY
LSX 42610	42674AG	MAZ R2 NEW ALFIN GALLERY

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	42675AG	MAZ RF7 ALFIN GALLERY
LFF 42612	42612	MAZ VA
LFF 42656	42656	MAZ TB
LFF 42657	42657A	MAZ JS K2700 ALFIN
LSF 42657		
LFF 42658	42658A	MAZ SF K2400 ALFIN
LSF 42658		
LFF 42663	42663AG	MAZ TM ALFIN GALLERY
LSF 42663		
LFF 43102	43102A	MIT 6D14 ALFIN
LSF 43102	43289	MIT 6D14.A
	43615A	MIT 6D14-T ALFIN
	43665A	MIT 6D14-T.2A ALFIN
	43668A	MIT 6D14-T-II ALFIN
LFF 43104	43104A	MIT 6D15 ALFIN
	43686A	MIT 6D15-III ALFIN
LFF 43105	43105A	MIT 6D16 ALFIN
LSF 43105		
LFF 43107	43107A	MIT 6DB NEW ALFIN
LFF 43115	43115	MIT 6DS7
LFF 43115N	43115N	MIT 6DS7 NEW
LSX 43137	43137	MIT 4G33
	43606	MIT 4G36
	43607	MIT 4G12
LSX 43143	43144	MIT 4G41R NEW
LSX 43153	43153	MIT 4G54
	43233	MIT G54B, RWD
	43273	MIT G54BT
	43292	MIT 4G54C
	43654	MIT G54B-II
LSX 43154	43154	MIT 4G62
LSX 43157	43157	MIT 4DR5
LFX 43157	43609	MIT 4DR51/4DR5 LATE
LSF 43166	43164A	MIT 4D30 OLD ALFIN
LSX 43166	43166A	MIT 4D30 ALFIN
LFX 43168	43168A	MIT 4D31 / 4D31T ALFIN
LSF 43168	43617A	MIT 4D31 T ALFIN
LSX 43168	43664A	MIT 4D31-T LATE ALFIN
LSF 43168-6	43168A-6	MIT 6D31 / 6D31T ALFIN
LSX 43168-6		
LFX 43170	43170A	MIT 4D34 ALFIN

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LSF 43170 LSX 43170	43293AG 43605A 43693A	MIT 4D34T NEW ALFIN GALLERY MIT 4D34T ALFIN MIT 4D34T-II ALFIN
LFX 43171 LSF 43171 LSX 43171	43171A 43173A 43291A 43300AG 43661A 43672AG 43678AG	MIT 4D55 / 4D56 ALFIN MIT 4D56T ALFIN MIT 4D56 LATE ALFIN MIT 4D56T CRDi-II ALFIN GALLERY MIT 4D56-T LATE-II ALFIN MIT 4D55T/4D56T-II ALFIN GALLERY MIT 4D56T CRDi ALFIN GALLERY
LSX 43187	43187 43217 43248 43272	MIT G15B MIT 4G15 MIT 4G15-II MIT G15B-II
LSX 43207	43207 43222 43226 43231 43234 43261 43279 43621 43676	MIT G63B MIT 4G63-P MIT 4G63DK MIT 4G63D MIT 4G63D-T MIT 4G63K MIT 4G63N MIT G63B-II MIT G63DH
LSX 43216	43216	MIT 4G17
LSX 43218	43218 43220 43235 43249 43278 43667 43669	MIT 6G72 MIT 6G72 NEW MIT 6G72-T MIT 6G72H MIT 6G72-II MIT 6G72-IV MIT 6G72-III
LSX 43221	43132 43132N 43224 43656 43221	MIT 4G32 MIT 4G32 NEW MIT 4G32-III MIT G32S MIT 4G32-M
LFF 43223 LSF 43223	43223A	MIT 6D16-T ALFIN
LFX 43227 LSF 43227 LSX 43227	43227A 43280A 43619A 43666A	MIT 4D32 ALFIN MIT 4D36 ALFIN MIT 4D32 LATE ALFIN MIT 4D32 NEW ALFIN
LSX 43228	43225 43228 43258 43270	MIT 4G64S MIT 4G64 MIT 4G64N MIT 4G64-II
LSF 43229 LSX 43229	43229A 43241A 43264A 43286A	MIT 4D65T ALFIN MIT 4D65T OLD ALFIN MIT 4D65 ALFIN MIT 4D65-II ALFIN

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LFX 43232 LSF 43232 LSX 43232	43232AG 43670AG 43673A 43681AG	MIT 4M40-T ALFIN GALLERY MIT 4M40-T-II ALFIN GALLERY MIT 4M40 ALFIN MIT 4M42-0AT ALFIN GALLERY
LFX 43244 LSF 43244 LSX 43244	43244A 43299A	MIT 4D33 ALFIN MIT 4D33-III ALFIN
LSX 43257	43257 43600 43652	MIT 4G13-II MIT 4G13 MIT 4G13-III
LFF 43267	43267A 43695AG	MIT 6D17-1A ALFIN MIT 6M61 ALFIN GALLERY
LFF 43275	43275A 43660A	MIT 8DC91-T ALFIN MIT 8DC9 ALFIN
LFF 43283	43283A	MIT 6D15-II ALFIN
LSF 43301 LSX 43301	43301AG	MIT 4N15 ALFIN GALLERY
LFF 43305	43305AG	MIT 6M60 ALFIN GALLERY
LSF 43605-6 LSX 43605-6	43605A-6 43701AG	MIT 6D34T ALFIN MIT 6D34.2AT ALFIN GALLERY
LFX 43608 LSF 43608 LSX 43608	43608AG 43691AG	MIT 4D35 ALFIN GALLERY MIT 4D35 / 4D35T ALFIN GALLERY
LFX 43610 LSX 43610	43610A	MIT 4DR7 ALFIN
LFX 43612 LSF 43612 LSX 43612	43612AG 43613A	MIT 4D68T ALFIN GALLERY MIT 4D68 ALFIN
LFF 43614	43614A 43699A	MIT 6D22 ALFIN MIT 6D22-T-II ALFIN
LFF 43618	43618A	MIT 8DC8 ALFIN
LSX 43655	43655A	MIT S4E ALFIN
LSX 43655-6	43655-6	MIT S6E
LFF 43659	43659A	MIT 8DC11 ALFIN
LSF 43663 LSX 43663	43663AG	MIT 4M41-T ALFIN GALLERY
LSF 43674 LSX 43674	43674A 43683AG	MIT 4M51 ALFIN MIT 4M51T ALFIN GALLERY
LFF 43675	43675A	MIT 6D15.3AT ALFIN
LSF 43682 LSX 43682	43682 43682-6	MIT S4S MIT S6S



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LFF 43684	43684A	MIT 6D14.3AT ALFIN
LSF 43685 LSX 43685	43685AG	MIT 4M50T ALFIN GALLERY
LSF 43688 LSX 43688	43688	MIT S4E2
LSX 44102	44102 44256	NIS A12 1970 NIS A10
LSX 44109	44109 44114 44322	NIS A14S, A14 NIS A15S, A15 NIS A14-II
LSX 44121	44121	NIS J15, J16
LSX 44125	44125 44355 44668	NIS E15S, E15 NIS E15-III NIS E15-T
LSX 44160	44160 44336 44617	NIS L24/L26 NIS L24S NIS L24E
LFX 44166 LSX 44166	44166 44167	NIS L18 NEW 1970 NIS L18 OLD
LFX 44176 LSF 44176 LSX 44176	44176A 44263A 44624AG	NIS LD20 ALFIN NIS LD20-II ALFIN NIS LD20-T ALFIN GALLERY
LSX 44186	44186 44345	NIS CA16 NIS HR16DE
LSX 44190	44190 44661	NIS CA18 NIS CA18ET
LSX 44193	44193 44279 44663	NIS CA20 NIS CA20-II NIS CA20-III
LSX 44196	44196 44608	NIS H20, H20P NIS H20-II
LFF 44210 LSF 44210	44210A 44291	NIS SD22 ALFIN NIS SD22-II
LFF 44215 LSF 44215	44215A 44622A	NIS SD23 / SD25 ALFIN NIS SD23/25-II ALFIN
LSX 44224	44224 44227	NIS Z20 NIS Z20S
LSX 44230	44230 44278	NIS Z22S NIS Z22
LSX 44232	44232 44271 44272 44316	NIS Z24, Z24i NIS KA24E NIS KA24E-II NIS Z24-II

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	44321 44338	NIS KA24DE NIS KA24DE-IV
LFF 44236	44236A 44679A	NIS PD6 ALFIN NIS PD6-T ALFIN
LFF 44242	44242A	NIS RD8 ALFIN
LFF 44244 LSF 44244	44244A 44246A	NIS ND6 ALFIN NIS NE6 ALFIN
LFF 44255 LSF 44255	44255A 44666A	NIS TD25 ALFIN NIS TD25 LATE ALFIN
LSX 44258	44258 44260 44306 44688 44690 44695	NIS GA16i, GA16DS NIS GA16DE NIS GA16DS-II, GA16S NIS QG16 NIS QG16DE NIS GA16DE-III
LSX 44259	44259 44611	NIS E16i NIS E13
LFF 44261 LSF 44261	44261A 44344A 44348A 44656A 44667A 44692A	NIS FE6T ALFIN NIS FE6T-II ALFIN NIS FE6-TC ALFIN NIS FE6TA ALFIN NIS FE6 ALFIN NIS FE6T NEW ALFIN
LFX 44262 LSF 44262 LSX 44262	44262A	NIS CD17 ALFIN
LFF 44264	44264A	NIS RE8 ALFIN
LFF 44264-10 LSF 44264-10	44264A-10	NIS RE10 ALFIN
LSX 44265	44265	NIS J18
LFF 44266 LSF 44266	44266A	NIS TD23 ALFIN
LFF 44267 LSF 44267	44267A 44296AG 44621AG 44630A 44674AG	NIS TD27 ALFIN NIS TD27-T - II ALFIN GALLERY NIS TD27-T ALFIN GALLERY NIS TD27-LATE ALFIN NIS TD27-T NEW ALFIN GALLERY
LFF 44267-6 LSF 44267-6	44267A-6 44621AG-6 44630A-6	NIS TD42 ALFIN NIS TD42-T ALFIN GALLERY NIS TD42-LATE ALFIN
LSX 44269	44269 44283 44662	NIS Z16 NIS L16-II/L26-II NIS L16-III
LFF 44290 LSF 44290	44290A	NIS RF8 ALFIN

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LSF 44295 LSX 44295	44295A	NIS LD23 ALFIN
LFX 44297 LSF 44297 LSX 44297	44297A 44683AG	NIS QD32 ALFIN NIS QD32TI ALFIN GALLERY
LFF 44323	44323A 44657A 44658A	NIS FD6T ALFIN NIS FD6T-II ALFIN NIS FD6T-III ALFIN
LFF 44330	44330A 44655A	NIS PE6-T ALFIN NIS PE6 ALFIN
LSX 44335	44335 44616	NIS L28S NIS L28
LFX 44363 LSF 44363	44363AG	NIS R9M ALFIN GALLERY
LSX 44365	44365	NIS HR16DE-III
LFX 44602 LSF 44602 LSX 44602	44602A 44681AG	NIS CD20 ALFIN NIS CD20-T ALFIN GALLERY
LFF 44603 LSF 44603	44603A 44210A-6	NIS SD33T ALFIN NIS SD33 ALFIN
LFF 44605 LSF 44605	44605A	NIS ED33 ALFIN
LFX 44606 LSF 44606 LSX 44606	44606 44623AG 44696AG	NIS RD28 NIS RD28-T ALFIN GALLERY NIS RD28TI NEW ALFIN GALLERY
LSX 44614	44614 44669	NIS GA14DS NIS GA14
LFF 44618 LSF 44618	44618A	NIS FD46 ALFIN
LFF 44619 LSF 44619	44619AG 44654AG	NIS BD30 ALFIN GALLERY NIS BD30T ALFIN GALLERY
LFF 44620	44620A 44659A 44694A	NIS FD35 ALFIN NIS FD35-T ALFIN NIS ED35 ALFIN
LSF 44625 LSX 44625	44625A	NIS LD28 ALFIN
LFF 44629	44629A 44698A	NIS FD33-T ALFIN NIS FD33 ALFIN
LSX 44653	44653	NIS RB20E
LFF 44665 LSF 44665	44665AG	NIS FD42 ALFIN GALLERY
LFF 44670	44670	NIS ED30

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LSF 44671 LSX 44671	44364AG 44671AG 44684AG 44686AG	NIS YD25DDTi-II ALFIN GALLERY NIS YD25TDI ALFIN GALLERY NIS YD25TDI NEW ALFIN GALLERY NIS YD25DDTI ALFIN GALLERY
LSF 44672 LSX 44672	44672AG 44673AG 44678AG 44702AG	NIS ZD30 ALFIN GALLERY NIS ZD30 LATE ALFIN GALLERY NIS ZD30DDTI ALFIN GALLERY NIS ZD30DD ALFIN GALLERY
LSX 44675	44675 44707	NIS K21 NIS K21-II
LSX 44676	44676 44708	NIS K25 NIS K25-II
LSF 44685 LSX 44685	44685AG 44697AG	NIS YD22DDT/ETI ALFIN GALLERY NIS YD22DDT/DDTI ALFIN GALLERY
LSX 44699	44699	NIS H25
LSX 45114	45114 45652	NIS F8A, ST90, LJ80 NIS F8A
LSX 45117	45117	SUZ F10A, ST100, SJ410
LSF 45122 LSX 45122	45122 45146 45146-3	SUZ SS80 SUZ WAGON R SUZ ALTO LXI
LSX 45124	45124 45127 45132 45149 45601	SUZ G16KV SUZ G16A, G16KC SUZ VITARA SUZ G15A SUZ SWIFT 1.6
LSX 45125	45125 45126	SUZ G10 NEW, G10A SUZ G10
LSX 45128	45126-4 45128 45650 45653 45654 45655	SUZ G13 SUZ G13B SUZ G13-II SUZ G13BB SUZ G13B-II SUZ G13-Y58
LSX 45131	45131	SUZ H25A
LSX 45133	45133	SUZ J20A
LSF 45135	45135	SUZ STEAM 1.3L
LSX 45137	45137	SUZ H27
LSX 46103	46103	TOY 3K
LSX 46105	46105 46332 46354 46355 46364	TOY 4K , 4KU TOY 1NZFE TOY 2NZ-FE TOY 2NZ-FE-II TOY 1NZFE-II



CYLINDER LINER LIST

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TEIKIN LINER NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
LSX 46107	46107	TOY 5K
	46335	TOY 5K-II
LFX 46112	46112A	TOY 1C ALFIN
LSF 46112	46630	TOY 1C-III
LSX 46112	46650	TOY 1C-II
	46692	TOY 1C NEW
LSX 46116	46116	TOY 1S
LSX 46118	46118	TOY 1Y
LSX 46119	46119	TOY 2Y
LSX 46120	46120	TOY 3Y
	46365	TOY 1AZ-FSE
LSX 46122	46122	TOY 4Y
LFF 46124	46124A	TOY B, BU-30 ALFIN
LSF 46124	46626A	TOY B LATE ALFIN
LFF 46127	46127	TOY 2B
LSF 46127		
LFF 46128	46128A	TOY 3B ALFIN
LSF 46128	46130A	TOY 13B ALFIN
LSX 46128	46254A	TOY 14B ALFIN
	46622A	TOY 3B-II ALFIN
	46625A	TOY 14B-T ALFIN
	46668A	TOY 13B-T ALFIN
LSX 46132	46132	TOY F, FA-90
LSX 46136	46136	TOY 2F
	46138	TOY 3F
	46623	TOY 2F-II
LSX 46141	46141	TOY 2E
	46274	TOY 3E, 3EE
	46345	TOY 2E-II
LSX 46163	46163	TOY 3A, 3AU
	46658	TOY 1A
LSX 46175	46175	TOY 5R OLD
	46177	TOY 5R NEW
LSX 46187	46187	TOY 12R, 12RU
LSX 46189	46189	TOY 18R, 18RC, 18RB
	46294	TOY 20R
	46659	TOY 20R-II
LSX 46199	46199	TOY 21R, 21RC
	46267	TOY 21R-II
	46653	TOY 21R-III
LSX 46201	46201	TOY 22R
	46202	TOY 22R-E

TEIKIN LINER NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
LSX 46207	46207	TOY 2T, 2T-B
	46211	TOY 2T, 2T-U
	46218	TOY 3T, 3T-U, 13T-U
	46619	TOY 2TC
	46662	TOY 13T
LFF 46226	46226A	TOY 2J ALFIN
LSF 46226	46226A-6	TOY H NEW ALFIN
LFF 46231	46231A	TOY 2H ALFIN
LSF 46231	46611A	TOY 2H LATE ALFIN
	46624A	TOY 12H-T ALFIN
LFF 46234	46234	TOY L OLD, LN30
LSF 46234	46236	TOY L NEW, LN50
	46238	TOY L NEW-II
LFF 46240	46240A	TOY 2L ALFIN
LSF 46240	46261A	TOY 2L-II, 2L LATE ALFIN
LSX 46240	46351A	TOY 2LT NEW-II ALFIN
	46389AG	TOY 2LT NEW ALFIN GALLERY
	46600AG	TOY 2LT LATE ALFIN GALLERY
	46602A	TOY 2L-T, 2L-THE, 2L-TE ALFIN
LFF 46242	46242	TOY 2D OLD
LFF 46244	46244	TOY 2D NEW
LSX 46255	46255	TOY 3SFE
	46366	TOY 1TR-FE
	46373	TOY 3SFE-VII
	46620	TOY 3SFE-II
	46621	TOY 3SFE-III
	46663	TOY 3SGE
	46667	TOY 3SFE-IV
	46689	TOY 3SGE-II
	46701	TOY 3S-FE-VI
LFF 46256	46256A	TOY 3L ALFIN
LSF 46256		
LSX 46256		
LFX 46257	46257A	TOY 1HZ, 1PZ ALFIN
LSF 46257	46268A	TOY 1HD-T LATE ALFIN
LSX 46257	46325A	TOY 1HD-T-II ALFIN
	46362AG	TOY 1HD-FT ALFIN GALLERY
	46674AG	TOY 1HD-FTE ALFIN GALLERY
LSX 46258	46258	TOY 5E-FE
	46346	TOY 4E-FE-II
LSX 46259	46259	TOY 7K
	46688	TOY 3ZR-FE-II
LFX 46260	46260A	TOY 2C ALFIN
LSF 46260	46264A	TOY 2C-II, 2CT LATE ALFIN
LSX 46260	46278A	TOY 2C-T ALFIN
	46601A	TOY 2C-III ALFIN
	46609A	TOY 2CT-II ALFIN
	46629AG	TOY 3C ALFIN GALLERY
	46695AG	TOY 2CT-III ALFIN GALLERY

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TEIKIN LINER NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
LSX 46262	46262	TOY 4AFE, 4AG
	46269	TOY 4AC/ 4AELU
	46271	TOY 4AFE-III
	46277	TOY 7AFE
	46286	TOY 4 A-GEU
	46310	TOY 4AGE, 4AGELC
	46349	TOY 4A-GEU-II
	46618	TOY 4AGE
	46664	TOY 4A-GEU - VVT
LSX 46272	46272	TOY 3F NEW, 3FE
	46272-4	TOY 3F NEW, 3FE
	46368	TOY 1GR-FE
	46703	TOY 1GR-FE-II
LFX 46273 LSF 46273 LSX 46273	46273AG	TOY 5L ALFIN GALLERY
LSF 46276 LSX 46276	46276A	TOY 1N ALFIN
LSX 46281	46281	TOY 3VZ-FE
	46606	TOY 3VZE
LFF 46283 LSF 46283	46283AG	TOY 1KZ-TE, 1KZ ALFIN GALLERY
	46671AG	TOY 1KZ-TE NEW ALFIN GALLERY
LFF 46287 LSF 46287 LSX 46287	46287A	TOY 11B ALFIN
	46608A	TOY 11B-II ALFIN
LSX 46290	46290	TOY 5AF
	46347	TOY 5AFE NEW
LSX 46300	46300	TOY 1RZ
	46359	TOY 1RZ-III
LFF 46308 LSF 46308	46123	TOY B, BU-15
	46308	TOY BU-30-II
LSX 46312	46312	TOY 3RZ-FE, 3RZ-FZ
	46360	TOY 2TR-FE
	46694	TOY 3RZ-F
LFF 46316 LSF 46316	46316	TOY H-II
LSF 46348 LSX 46348	46348AG	TOY 2KD - FTV ALFIN GALLERY
LFF 46381	46381A	TOY S05C-II ALFIN
LSF 46392 LSX 46392	46392AG	TOY 2GD FTV ALFIN GALLERY
LSF 46393 LSX 46393	46393AG	TOY 1GD-FTV ALFIN GALLERY
LSX 46603	46603	TOY 2K

TEIKIN LINER NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
LSX 46610	46610	TOY 1GE
	46670	TOY 1G-EU
LFF 46613 LSF 46613	46613A	TOY 1Z ALFIN
LSX 46614	46614	TOY 2R
LSX 46615	46615	TOY 3P
LSF 46654	46684	TOY 1DZ NEW
LSX 46654	46654A	TOY 1DZ ALFIN
LSF 46655	46655A	TOY 15BF ALFIN
LSX 46655	46656AG	TOY 15BF-T ALFIN GALLERY
LSX 46661	46661	TOY 1E, 1EL
LSF 46675	46675AG	TOY 1KD-FTV ALFIN GALLERY
LSX 46675	46686AG	TOY 1KD-FTV-II ALFIN GALLERY
	46698AG	TOY 1KD-FTV-III ALFIN GALLERY
LSF 46676 LSX 46676	46676AG	TOY 1ND-TV ALFIN GALLERY
LSX 46677	46677	TOY 1KR-FE
LSF 46678	46678AG	TOY 1AD-FTV ALFIN GALLERY
LSX 46678	46679AG	TOY 2AD-FHV ALFIN GALLERY
	46696AG	TOY 2AD-FTV ALFIN GALLERY
LSF 46680	46680AG	TOY 1CD-FTV ALFIN GALLERY
LSX 46680	46690AG	TOY 1CD-FTV-II ALFIN GALLERY
LFF 46682 LSF 46682	46682	TOY 2Z NEW
LFF 46685	46685	TOY 13Z
LSF 46685	46699	TOY 14Z
LSF 46691 LSX 46691	46691AG	TOY 1VD-FTV ALFIN GALLERY
LFF 46700	46339A	TOY RINO ALFIN
	46700A	TOY N04C ALFIN
LSF 48601	48601A	VW 1G / 1V / CY TURBO ALFIN
LSF 48602	48602A	VW 1X / 1Y / AAB ALFIN
	48603A	VW AAZ / ABL / ADE TURBO ALFIN
LSF 48605	48605	VW 2G / AAV / HK
LSF 48612	48612AG	VW ANU/ATD/AVB/AVQ ALFIN GALLERY
LSF 48613	48613A	VW ACV/ AGX/AHD/AHY ALFIN
LSX 49101	49101	DAE LE MANS 1.5
	49103	DAE CIELO 1.5
	49105	DAE NUBIRA-II



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TEIKIN LINER NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
LFX 51102 LSF 51102 LSX 51102	51102A 51108A 51606AG	HYU D4BB ALFIN HYU D4BA ALFIN HYU D4BH ALFIN GALLERY
LSF 51103 LSX 51103	51103A 51607A	HYU D4AF ALFIN HYU D4AF-III ALFIN
LSX 51104	51104 51116 51119 51128	HYU G4EK - ALPHA - F1 HYU G4FK HYU G4EB HYU ATTITUDE
LSX 51110	51110	HYU G6BV
LSF 51112 LSX 51112	51112A	HYU D4AE ALFIN
LSX 51118	51118	HYU ATOZ-II
LSX 51123	51123	HYU XG350
LSX 51125	51125	HYU Y2
LSX 51135	51135 51613	HYU SONATA 2.4L HYU G4KE / G4KG
LSF 51142 LSX 51142	51142AG 51150AG	HYU i20 MAGNA CRDI ALFIN GALLERY HYU D4FA ALFIN GALLERY
LSX 51146	51146	HYU ELANTRA
LSF 51154 LSX 51154	51154AG	HYU D4FB ALFIN GALLERY
LSF 51163 LSX 51163	51163AG	HYU D4HA ALFIN GALLERY
LSX 51165	51165A	HYU G4KH ALFIN
LSF 51602 LSX 51602	51602AG	HYU D4DA ALFIN GALLERY
LSF 51603 LSX 51603	51603AG 51608AG	HYU D4CB CRDI ALFIN GALLERY HYU D4CB TCi ALFIN GALLERY
LSF 51604 LSX 51604	51604A	HYU D3EA ALFIN
LSF 51604-4 LSX 51604-4	51604A-4	HYU D4EA ALFIN
LSF 51605	51605AG	HYU D4EB-F/D4EB-G ALFIN GALLERY
LFF 51610 LSF 51610	51611AG	HYU J3TCi-II ALFIN GALLERY
LFF 52105	52105	KIA CARNIVAL
LFF 52107 LSF 52107 LSX 52107	52107AG	KIA CARNIVAL-II ALFIN GALLERY

TEIKIN LINER NUMBER	TEIKIN PISTON NUMBER	ENGINE MODEL
LSX 52112	52112	KIA SPECTRA
LFF 52650 LSF 52650	52650AG	KIA RFA ALFIN GALLERY
LFF 52651 LSF 52651	52651AG	KIA JT 3.0 ALFIN GALLERY
LFF 52652 LSF 52652	52652A 52653G 52656G	KIA JD K3500 ALFIN KIA SH K3600 GALLERY KIA SH K3600 NEW-II GALLERY
LSF 56606 LSX 56606	56606A	OPE Y 17 DT/DTL ALFIN
LSF 62101	62101A 62104A 62104A-4	TAT INDICA ALFIN TAT ACE-II ALFIN TAT INDICA-II ALFIN
LSF 62101-2	62101A-2	TAT ACE ALFIN
LSF 62102	62102A	TAT 407 TURBO ALFIN
LSF 62103	62103A	TAT 207 ALFIN
LFF 63101	63101A 63102A	ALY 6ETI ALFIN ALY 6DTI ALFIN
LSX 64102	64102A-1 64102A	KOM S6D102 ALFIN KOM S6D102 ALFIN
LFF 64601	64601A	KOM 4D95 ALFIN
LFF 64602	64602A	KOM 4D105 ALFIN
LFF 64605	64101A-1 64101A	KOM S6D95 ALFIN KOM S6D95 ALFIN
LSX 65002	65002A	EIC 483 TC ALFIN
LFF 66101	66101A	MAH SCORPIO CRD ALFIN
LFF 66103	66103A	MAH MDI 3200 ALFIN
LSF 66104	66104	MAH XD3P
LSF 66105	66105A	MAH MAXIMO ALFIN
LSF 68101	68101A	TEM TRAVELLER ALFIN
LSF 70103	70103A	REN K9K ALFIN
LFF G0137	G0137	KUB RD 115
LFF G1115 LFF G1116	G1115 G1116	YAN TF 85-II YAN TF 155
LFF G1118	G1118	YAN TF 55
LFF G1122 LFF G1606	G1122 G1606	YAN TF 140 YAN TF 120

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