PERFORMANCE MOTORSPORT CATALOGUE

European program 2020



PERFORMANCE
IN MOTORSPORT

WISECO Performance Products · JE PISTONS · K1 TECHNOLOGIES · TREND PERFORMANCE · DART · BoostLine CONNECTING RODS

And distributed brands: ACL - ARROW - ARP - ATHENA - CARRILLO - COMETIC
DARTON SLEEVES - KING ENGINE BEARINGS - INNOVATE MOTORSPORTS - ZRP

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WHAT´S NEW!

Dart - Championship Engine Components

King Engine Bearings



WHAT'S NEW!



OUR BRANDS

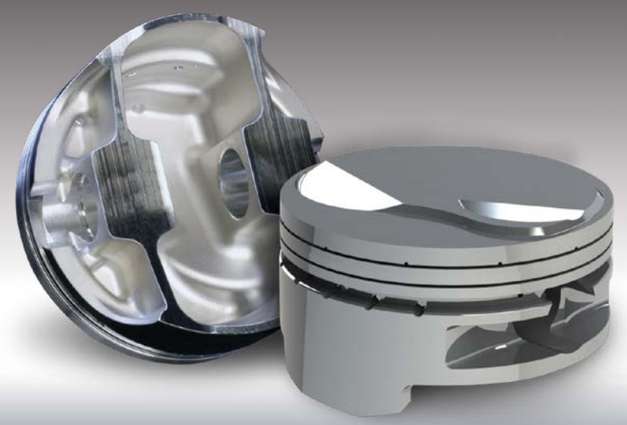
OUR BRANDS

Wiseco Performance Products · JE Pistons · K1 Technologies · Trend Performance · Dart · BoostLine Connecting Rods

And distributed brands:
ACL - ARROW - ARP - ATHENA - CARRILLO - COMETIC
DARTON SLEEVES - INNOVATE - KING ENGINE BEARING - ZRP

WE KNOW YOUR ENGINE

OPTIMIZE IT!



OPTIMIZED FOR YOUR EUROPEAN/US ENGINE!

- Billet or Forged Pistons
- Several proprietary coatings available
- Full Round and Modern Strutted
- Lightweight 3D crown and undercrown milling available

WISECO Performance Products

The Industry Leader in Forged Racing Pistons!

TAKE THE HEARTBURN OUT OF **CUSTOM PISTONS**

JE PISTONS

• PISTONS • PINS • RINGS • GASKETS •

We make ordering custom pistons easy!

- Designed specifically for you to achieve your power and durability goals
- Billet or forged pistons
- Coatings and platings available- skirt, crown, ring groove, pin bore
- Dozens of customizable features- 3D milling, gas porting, and more
- European Technical sales team

If you need high quality custom pistons quickly, look no further!

4 WEEK STANDARD DELIVERY



After 70 years in business, we have all popular block and head combinations on file to make your order easy even if you don't have every detail!

JEPISTONS.COM

OUR BRANDS



Trusted by the Professionals!



K1 Technologies produces “RACEREADY” rods and cranks at very affordable prices. The connecting rods and crankshafts are a cut above the average imported rod. They are made to K1 designs and are held to some of the tightest accepted tolerances in the racing industry. More attention is shown to finish work than comparable products. The unique design, which is original to the K1 Technologies line of connecting rods, saves weight without sacrificing strength. K1 use ARP bolts exclusively.

RACE-READY

SPORTSCOMPACT CRANKSHAFTS AND CONNECTING RODS

FOR ALL POPULAR COMBINATIONS!

OUR BRANDS

TREND PERFORMANCE

WRIST PINS



Trend Performance is the industries elite manufacturer of automotive wrist pins. Our proprietary super-finishing & lapping process produces an industry leading finish & pin geometry. This finish essentially eliminates friction and will provide an improved wrist pin lifecycle in high load and engine RPM environments. Our pins also have an optional DLC (Diamond-Like Carbon) coating which is very popular in higher performance, power adder environments.



TREND™ PERFORMANCE

DART

A BLOCK, A HEAD OF THE REST

BBC BIG CHIEF 18° & 14° 424-440cc CNC

BBC BIG M Race Block

RACE SERIES

Why waste time and money on a tired factory block? Instead, build a better big block with Dart's Big M. Features such as 4.500-4.600in bore sizes, priority main oiling, and ultra-strong 4-bolt main caps make the Big M extremely durable and the perfect building block for extreme horsepower.

Dart's Big Chief cylinder heads give you the most advance technology package on the market. With optional 2.400", 2.470" and 2.500" intake valve combinations, highly developed 18° and 14° valve angles and raised port configuration, they are one of the most powerful cylinder heads in the game.

CHAMPIONSHIP ENGINE COMPONENTS

DARTHEADS.COM

IT'S TIME TO

UPGRADE YOUR RODS

BoostLine
CONNECTING RODS

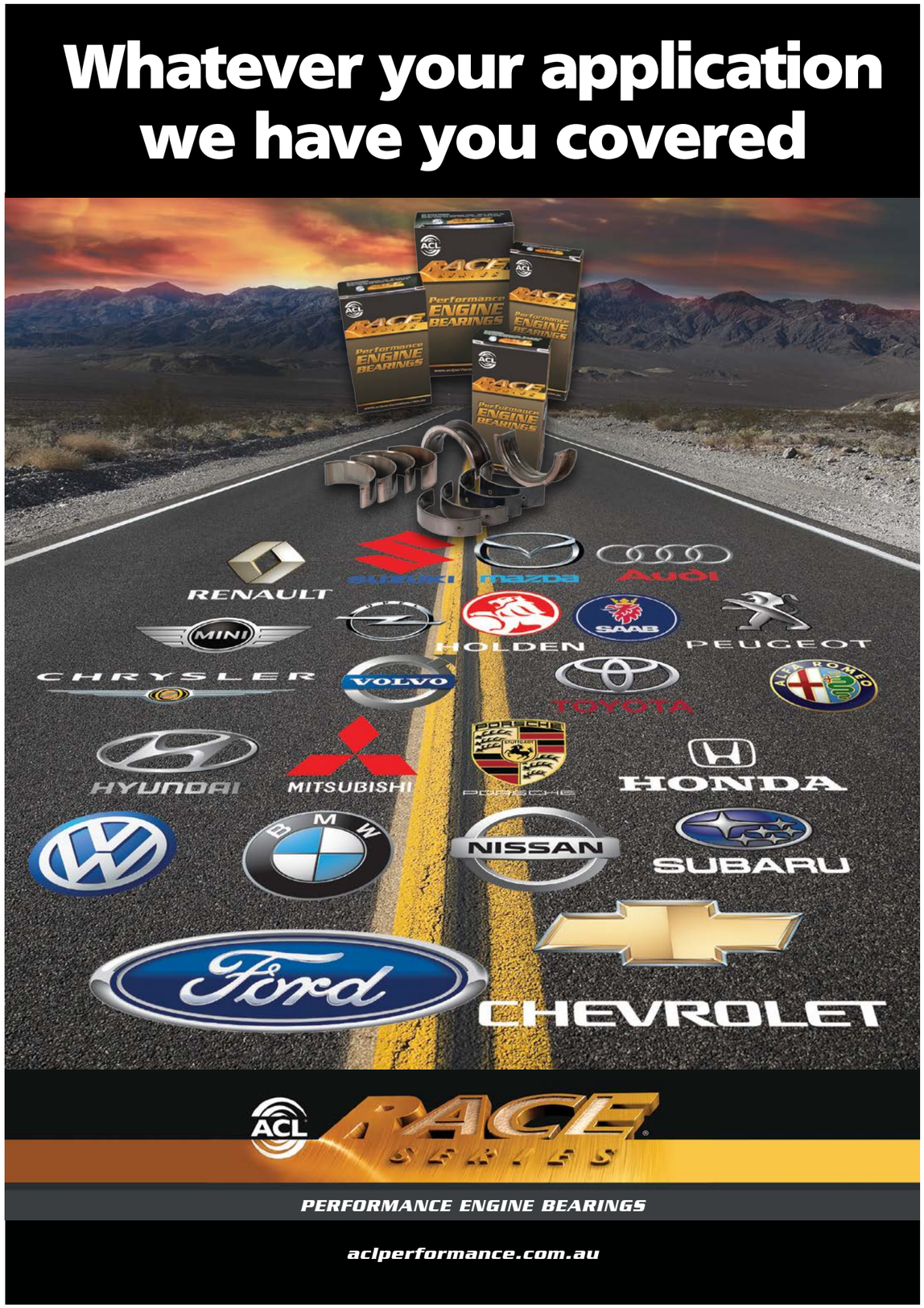
STOP USING CHEAP H-BEAMS IN YOUR HIGH HORSEPOWER ENGINE.

BoostLine™ Connecting Rods are designed to stand up to boost and nitrous. The patent pending design is stronger and has 60% more bending strength than the common H-beam! Each rod is 100% CMM inspected and includes a signed quality report in the box.

- 3-pocket, patent pending design is engineered specifically for boosted and nitrous applications
- High quality ARP 2000 bolts included, Custom Age 625+ upgrade available
- Available for popular Honda, Mitsubishi, Nissan, Subaru, Toyota and VW applications

BOOSTLINEPRODUCTS.COM BLOG.BOOSTLINEPRODUCTS.COM


Protect Your
Build
With additional
> Wear Protection
> Seizure Protection
> Oil Starvation Protection
pMaxKote™
King's pMaxKote. a revolutionary approach to coated bearings.
Image by: Phil Sohn
KING RACING
HIGH PERFORMANCE BEARINGS
http://kingracebearings.com
www.kingbearings.com


Whatever your application we have you covered
RENAULT
SUZUKI
mazda
Audi
MINI
SAAB
HOLDEN
PEUGEOT
CHRYSLER
VOLVO
TOYOTA
ALFA ROMEO
HYUNDAI
MITSUBISHI
PORSCHE
HONDA
NISSAN
SUBARU
Ford
CHEVROLET
ACL
RACE SERIES
PERFORMANCE ENGINE BEARINGS
aclperformance.com.au

Performance focused engine components



ARROW PRECISION

For over 40 years we've been manufacturing performance focused engine components. Our British made quality means you'll find us at the heart of the world's most powerful engines.

OVER 40 YEARS OF BRITISH ENGINEERING

© Arrow Precision Engineering Ltd Est.1974

Discover innovation at
arrowprecision.com

Stock and Custom Fasteners

ARP® automotive Racing products

It doesn't matter what you race, ARP has the fasteners to help you win races and set records



ARP fasteners provide strength and reliability for every type of racing.

5,000 catalog items and specials by request

All ARP fasteners are manufactured entirely in our own facilities in Southern California – and raced all over the world.

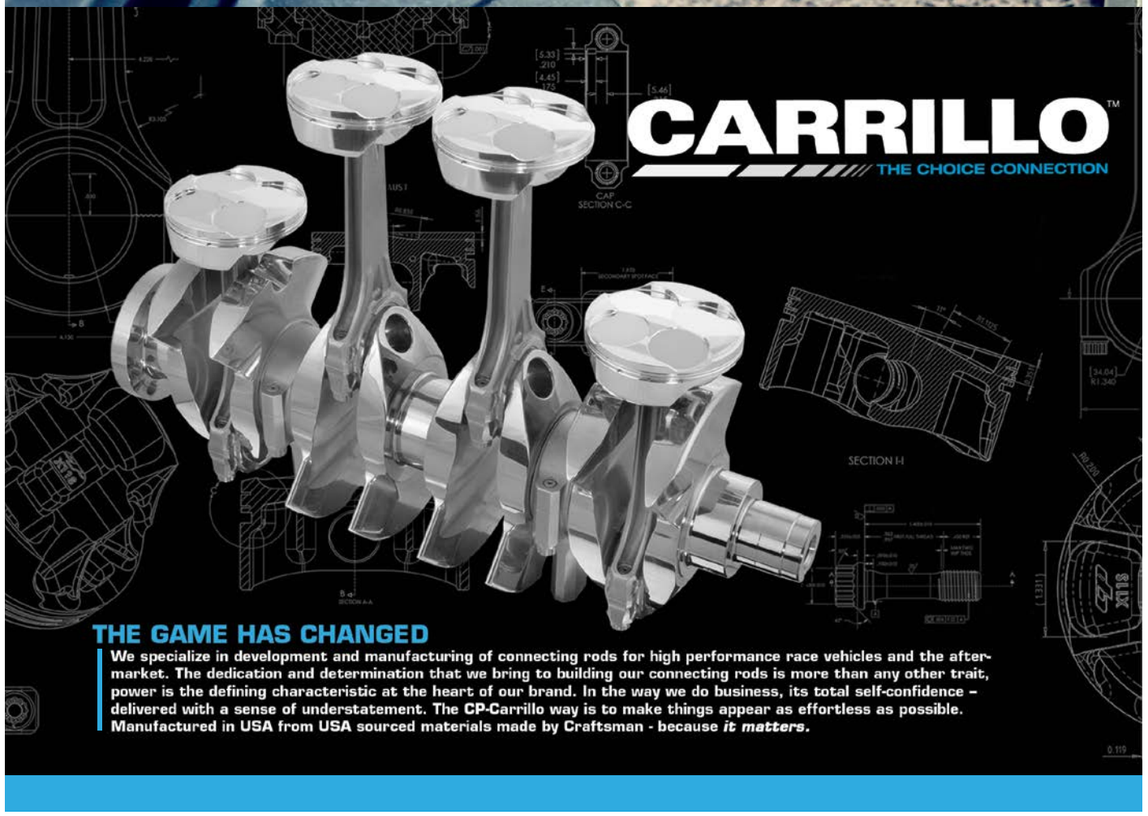
Made In USA

DISTRIBUTED BRANDS

ATHENA

Athena is a group of 7 companies, founded in 1973, producing gaskets for industrial, automotive and power sports applications. They all operate according to UNI EN ISO 9002 quality standards. Their mission statements are: reliability, availability, technical evolution and constant improvement.

Professional people, state of art equipment for production and testing are crucial elements to assure the Athena quality standards; innovation, performance, competitiveness and reliability on each product, everything to satisfy their customer's expectations.

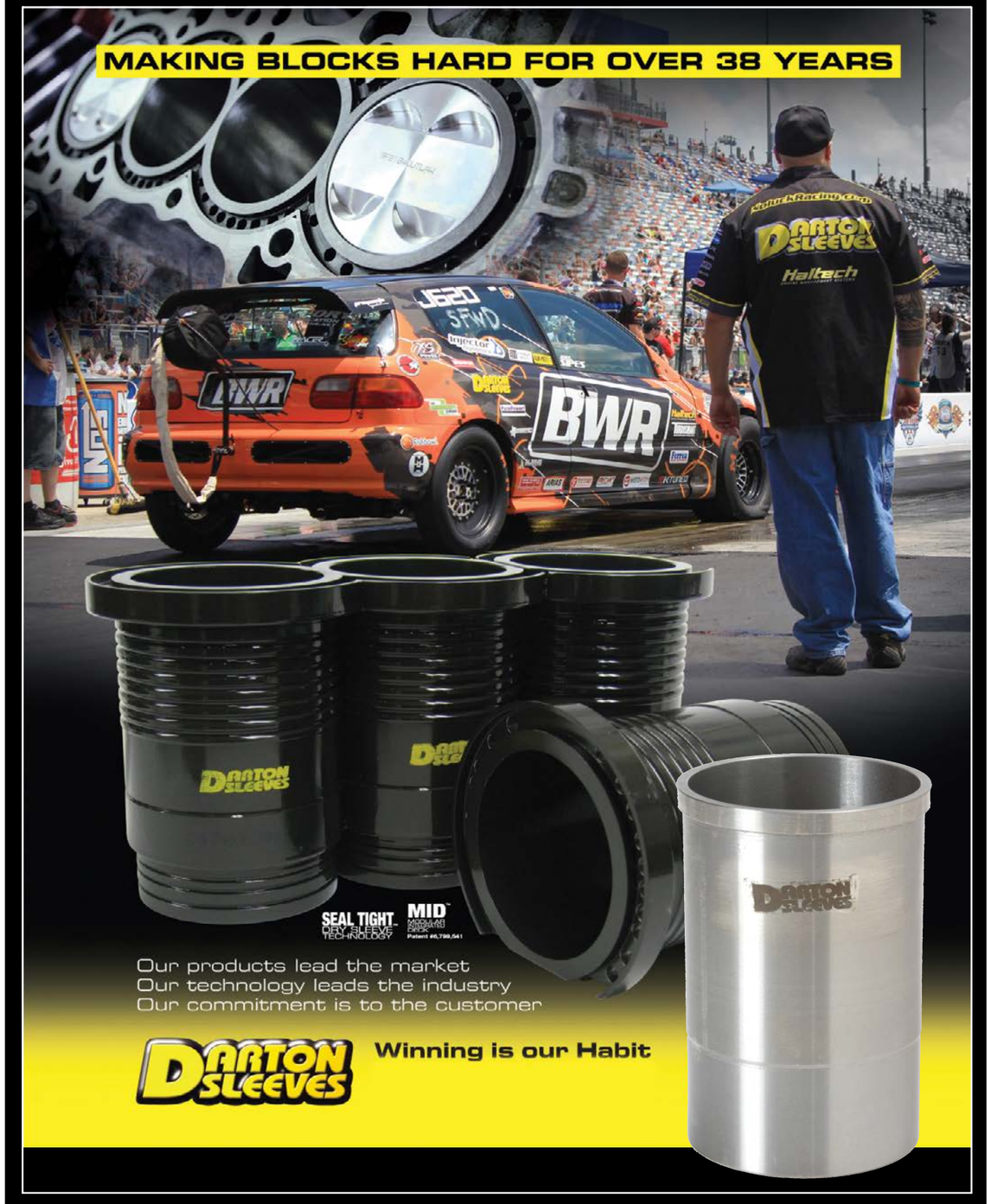


DISTRIBUTED BRANDS



DISTRIBUTED BRANDS

DARTON SLEEVES,
Patented technology for the serious competitor!



DISTRIBUTED BRANDS

INNOVATE MOTORSPORTS



LM-2 THE ULTIMATE TUNING TOOL



KNOW YOUR ETHANOL CONTENT...



ALL-IN-ONE, INTELLIGENT BOOST CONTROL AND
WIDEBAND AIR/FUEL RATIO GAUGE



MTS DATA LOGGING
IN A SMALL PACKAGE

MXT SERIES DUAL FUNCTION GAUGES



WATER TEMPERATURE
& BATTERY VOLTAGE



OIL TEMPERATURE
& PRESSURE



VACUUM / BOOST
& SHIFT LIGHT



EXHAUST
GAS TEMPERATURE (EGT)

VIEW. CAPTURE. ANALYZE. CONTROL.

Based in California, Innovate Motorsports develops and manufactures universal digital tuning tools for nearly all internal combustion engines. Innovate's popular products include a variety of gauges to display critical engine parameters and turnkey data acquisition solutions.

The company's core technologies are patented digital circuits that greatly improve upon current analog wideband air/fuel ratio designs. With the continuing path of EFI in both the automotive and powersports markets, Innovate is well positioned to lead the way in tuning these modern engines.

DISTRIBUTED BRANDS

ZRP®
FORGED & BILLET ENGINE INTERNALS





THE PERFECT CHOICE

OUR CUSTOM CAPABILITIES

CUSTOM WISECO PISTONS

CUSTOM JE PISTONS

CUSTOM CARRILLO RODS

CUSTOM COMETIC GASKETS

RWB EUROPE CUSTOM CAPABILITIES

THE INDUSTRY LEADER IN FORGED PISTON MANUFACTURING



Company Overview

The largest aftermarket piston manufacturer in the United States

- Over 75 years of in the piston business
- 400 employees
- Manufacturing Center in Mentor, Ohio and Clinton Twp, Michigan USA
- Sales & Engineering Center in Cyprus, California (USA)
- Sales & Engineering Center in Nieuw-Vennep, The Netherlands (Europe)
- ISO 9001:2008 Certified

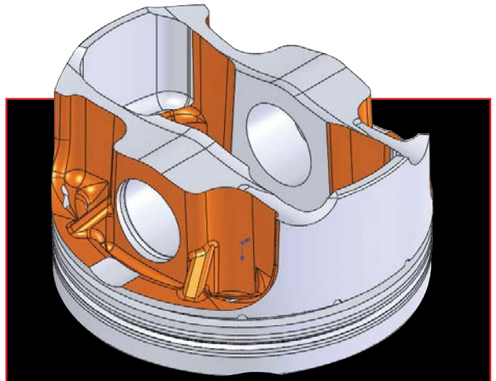
Manufacturing

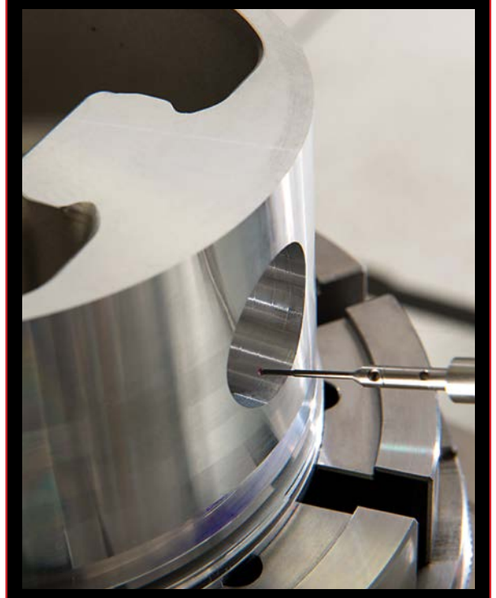
- On-Site forging and pistons manufacturing
- 150 modern CNC machines
- 5 forging presses (3 mechanical, 2 hydraulic) with inductiuon heating capability
- 110 sqm Critical Metrology Laboratory
- Competitive pricing on raw materials
- Custom Lead time: 2 weeks (USA), 4 weeks (Europe)
- Capacity of 4,000 forgings and pistons a day

Engineering

- 15 full time engineering staff in both USA and Europe
- Billet or forged piston and component design
- Finite Element Analysis (FEA)
- Romer Laser Scanning, Zeiss CMM
- 3 In-house Engine Dyno Cells

www.performancemotorsports.eu
www.racewinningbrands.eu











RWB EUROPE CUSTOM CAPABILITIES

WE CAN BUILD YOUR CUSTOM PISTON TO YOUR SPECIFICATIONS FOR A REASONABLE PRICE!









RWBE has vast expericence engineering and manufacturing all types of pistons. We produce pistons for every form of racing: Drag Racing, Road Racing, Rally, Autocross, Off Road, Land Speed and many others. You name it…. We make the best piston for it!
Features available:

- Forged or Billet
- Modern Strutted style forging available for the ultimate in strengt hand weight savings
- Full Round design forging with bottom reinforcing band for extreme HP applicaitons
- Private Label Programs
- Forging for large volume production (call for details)
- Bores up to 6" (152.40 mm)
- Coatings and Plating: Anodizing of skirt, crown, ring grooves and pin holes
- Gas Ports (vertical and horizontal)
- Specilized machining options, such as 3D crown and undercrown milling
- Ultra Ring Grooves
- Specialized ring grooves, such as Dykes and exact tolerance ring grooves
- Specialized ring sets for high power added applications

CUSTOM PISTON CAPABILITIES



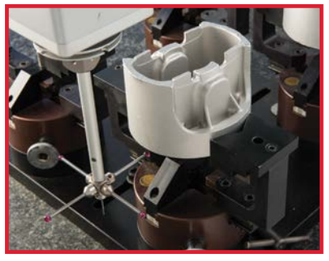


Technology advancement is essential to staying ahead of the competition. As the only Piston manufacturer with in-house forging capabilities, you KNOW you're getting an optimized part.

- Forging simulation software allows us to produce almost anything including the most intricate forgings available on the market.
- "As Forged" capabilities means your piston is stronger since the dome, valve pockets, oil drain holes and skirts have less machining.

FORGING FACILITIES





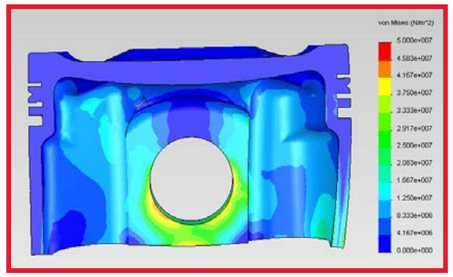
Quality is a vital step in the design and manufacturing process at Performance Motorsports Int, Inc.

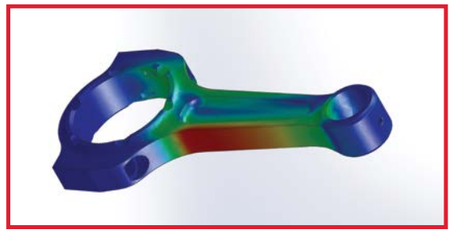
- Our Coordinate Measuring Machine (CMM) is an inspection genius! It allows us to verify the correctness of a part, especially for very high performance applications
- Materials testing capabilities are a must. At PMI, we can test surface finish, case depth and micro hardness. These tests assure that each step of the process is correct from heat treat to pin hole finish, assuring that your piston will operate and seal properly for the highest horsepower possible.
- Inspection doesn't have to be done on a huge machine. This is where our Romer arm comes into play. This fully integrated 3D scanning tool assures a part was made correctly and can be used for reverse engineering.

QUALITY



RWB EUROPE CUSTOM CAPABILITIES

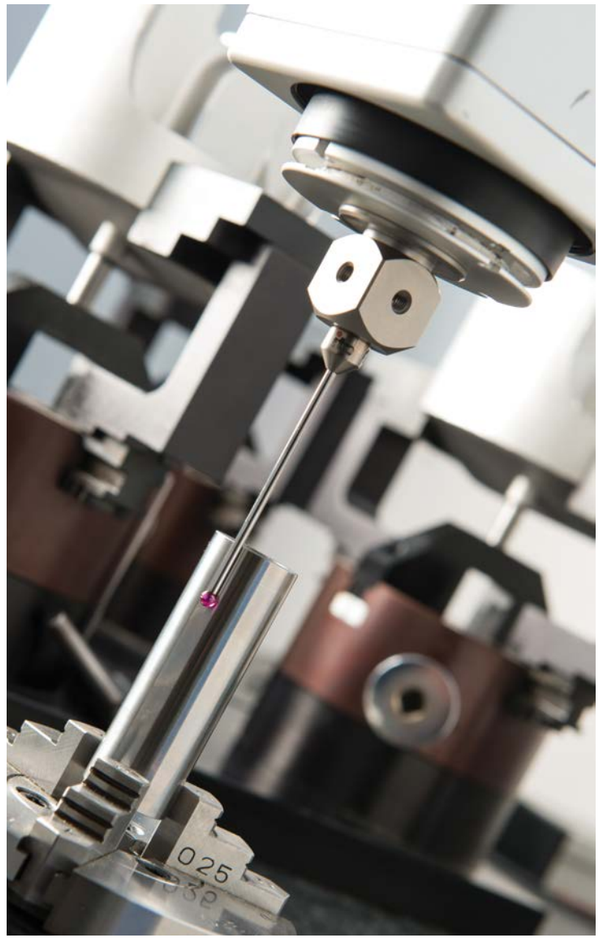


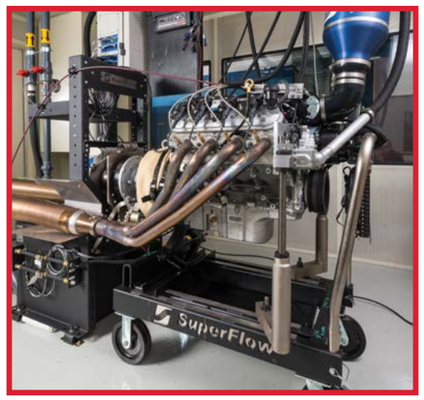


RWBE's capabilities span the entire process of the engineering design and manufacturing process. We use the latest technology so you know you're getting the best performing part on the market.

- RWBE uses mechanical and thermal Finite Element Analysis (FEA) to assure the part is meeting design requirements before it ever starts the manufacturing process.
- As one of the only piston manufacturers with variable cam design capabilities, we make sure the shape, or profile, of the piston you are putting in your engine is optimized.
- With our partnership with K1 Technologies, maker of connecting rods and crankshafts, we can design pistons to pair with K1 products for an assembly that increases strength and eliminates unneeded mass.

INTERNAL ENGINEERING







We've taken our Automotive and Powersports engine development to the next level!

Our State of the Art In-House R&D Testing Facility features a new Superflow SF90 Dynamometer which will monitor piston ring blow-by, in real time, so you get more sustained horsepower.

DYNO FACILITIES

SPORT COMPACT PISTONS

WISECO Performance Products

Sport Compact Piston Kits

The Multivalve piston technology leader

Wiseco has become world renowned for their work building race winning pistons for compact engines featuring small bores, multi-valves, and high RPM applications for many years. Wiseco utilizes experience learned from a diverse background of the most sophisticated engines in such venues as Formula 1, Indy Racing League (IRL), NHRA Pro Stock Bike, AMA Superbike, and AMA Motocross to design and manufacture the highest technology Sport Compact piston available.



1 Valve Pocket designs that allow maximum flow around valve, also allowing oversized valves and high lift cams to be utilized.

2 Piston Crown shapes designed to promote maximum Intake Charge efficiency through scavenging mixture "Cross Flow" during intake and exhaust valve overlap. More fuel and air equals more horsepower!

3 Pistons designed to optimize squish or quench during compression combustion cycle event, resulting in resistance to detonation and pre-ignition.
The end product is longer engine life and increased horsepower potential.

4 Complex Piston skirt profiles that reduce power robbing friction, yet promote stability in bore for optimum ring seal. Wiseco has added skirt coatings to the long list of standard features on our stocked Sport Compact pistons!

5 Precision machined ring grooves with proper orifice/accumulator volume using calculated groove root diameters and axial widths, featuring excellent surface finish and flatness providing maximum ring seal and minimizes blow-by and oil consumption.

6 World class forging facility that utilizes the latest technologies featuring complex forged shapes, advanced materials, and featured aligned grain flow technology.

SPORT COMPACT PISTONS

Wiseco Custom Pistons

Wiseco has extensive experience engineering and manufacturing many types of pistons from a variety of auto manufacturers. We've produced pistons for just about any sport compact, international racing, and performance venue you can imagine, such as: Drag Racing, Road Race, Rally, Autocross, Off Road, Land Speed, and more.

Custom features available such as:

- Gas ports vertical and horizontal
- Specialized ring sets
- Dykes ring grooves
- Specialized machining features
- Custom Forging for OE and large volume production (call for details)
- Full Round design forging with bottom reinforcing band for extreme HP applications
- Modern Slipper style forging available for the ultimate in strength and weight savings

Custom Piston ordering Tips:

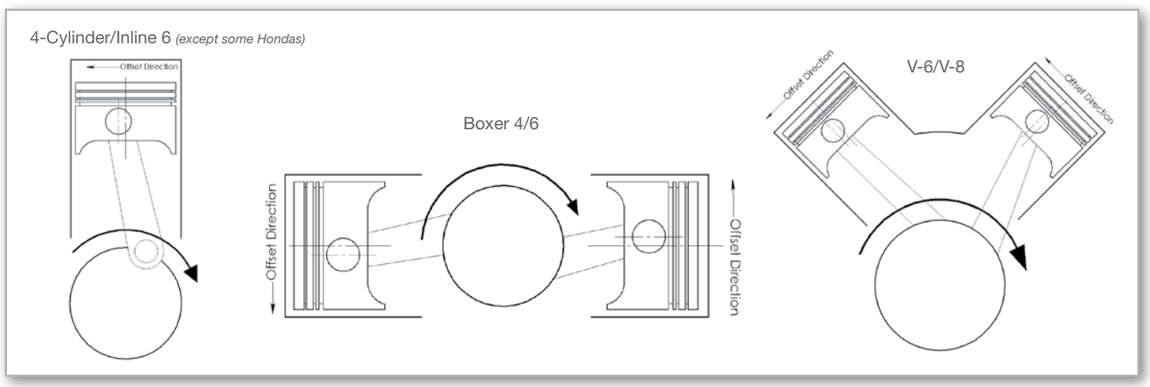
1. Custom piston order form available. Consult a Wiseco sales representative or log on to www.wiseco.com.
2. Supply as much information regarding specifications as possible. It is very important, for us to know quantity, motor type, induction, power levels, RPM and usage (i.e. street, drag race, road race, etc.).
3. Orders can be paid by credit card (Discover, American Express, Visa or MasterCard), or approved company check (unless other arrangements have been made in advance with our credit department).
4. Minimum order quantities apply. Ask your salesperson for details.
5. Remember, our personnel is always ready to help. Please call today!

Shelf Stock Piston Kits

Kit comes complete with:

1. Aerospace grade materials, forged for maximum strength.
2. Precision tolerance CNC machining for quality, repeatability and performance.
3. Crown thickness and ring lands designed for power adders such as force induction (turbos & blowers) and nitrous oxide. Note high compression pistons are generally designed for naturally aspired application.
4. High Quality Piston Rings featuring alloy steel construction on top ring, cast iron taper faced 2nd, and 3PC oil assembly utilizing stainless expander and carbon steel rails.
5. Wrist Pins constructed of chrome molybdenum steel material for the ultimate in strength.
6. Honed/Reamed pin bore holes for a precise tolerance fit between wrist pin and piston.
7. Wire Retainer Clip Lock, featuring chrome silicon material for the ultimate yield strength.
8. Piston de-burred for performance and reliability.
9. Piston weights listed may vary.
10. All specs based on U.S. & European engine codes unless noted.

Pin Offset Descriptions



Wiseco pistons are designed primarily for off-highway use. It is the responsibility of the customer to check Country and Federal emission regulations.

COATINGS

Wiseco ArmorGlide™ Skirt Coating

Wiseco's ArmorGlide skirt coating is the result of extensive testing, development, and benchmarking through our in-house dyno program.

- **Wiseco developed, moly-based, solid film lubricant.**
- **Permanently bonded to piston.**
- **Applied in-house at Wiseco with state-of-the-art equipment.**
- **Seizure resistant, friction reduction, and quiet operation.**
- **Added value in function and premium appearance (exclusive screens).**

ArmorGlide allows the piston to be fitted tighter within the bore than a non-coated piston. Less piston rock reduces noise and increases power.





COATINGS

WISECO ArmorPlating™ Piston Coating

Wiseco's new ArmorPlating is the ultimate in performance piston coatings.

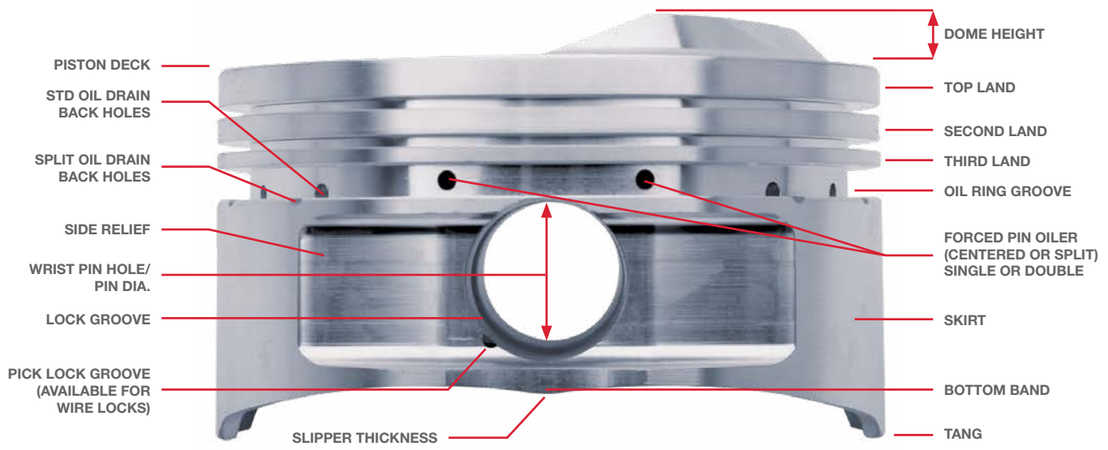
- **Applied to the critical parts of the piston.**
- **Reduces the effects of detonation on the piston dome.**
- **Lowers the temperature of the piston crown (20c on average).**
- **Creates a hard, smooth surface for the rings to rest on.**
- **Prevents micro welding of the rings in the ring grooves.**
- **Available on custom applications as well.**

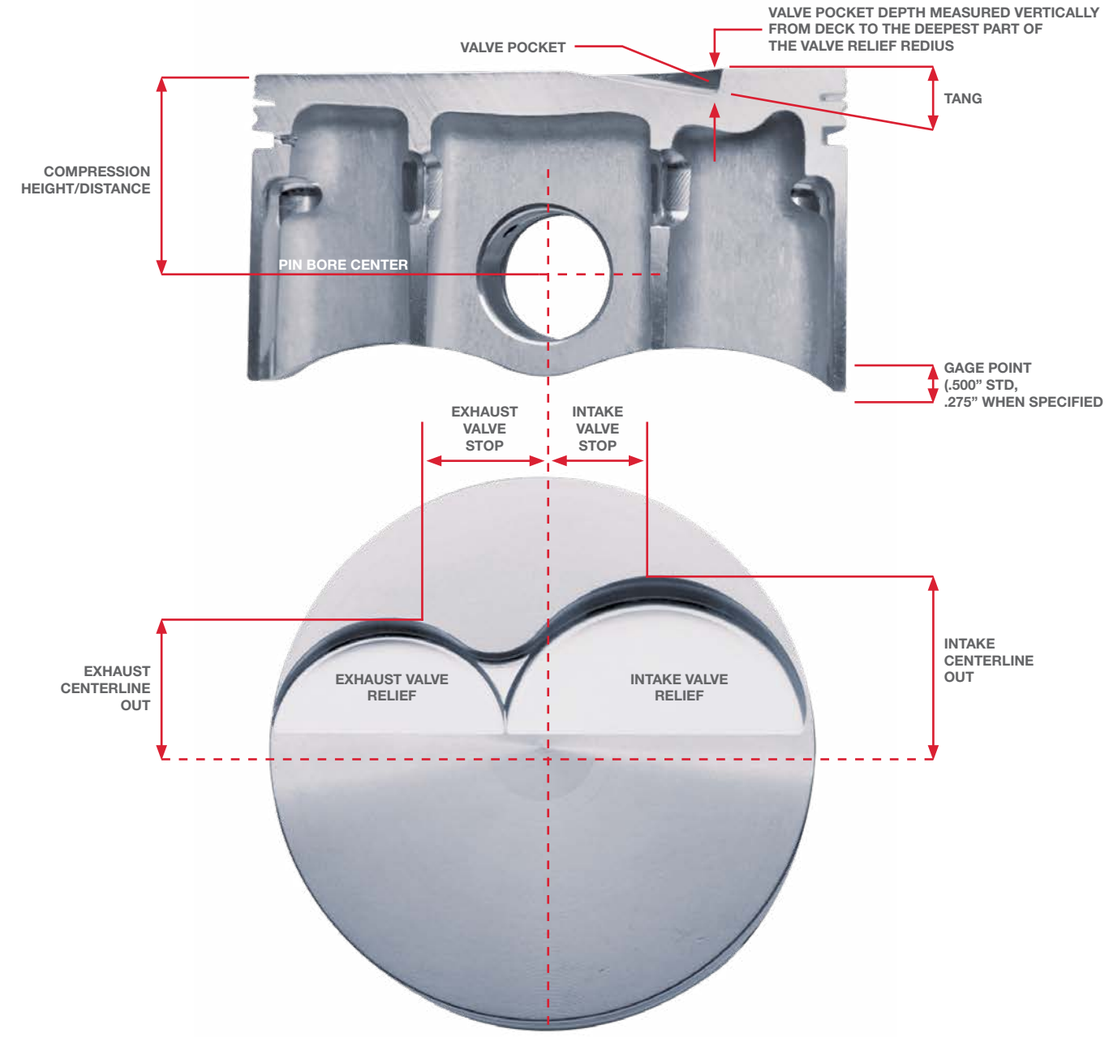
New ArmorPlating by Wiseco reduces the ill effects of high-heat in turbocharged Sport Compact pistons.



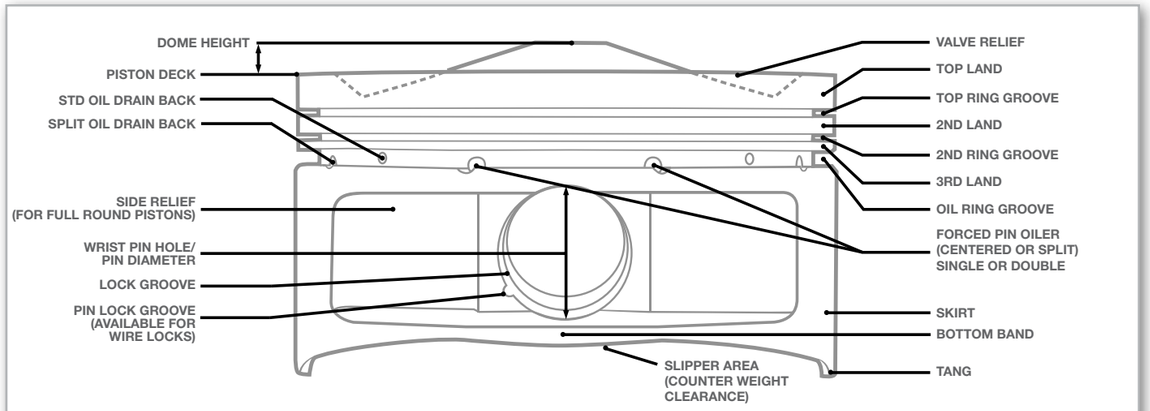
SPORT COMPACT PISTONS

Piston Terminology



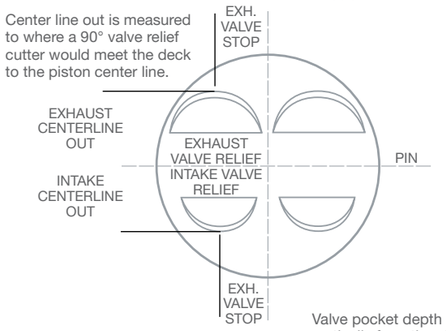


Piston Terminology

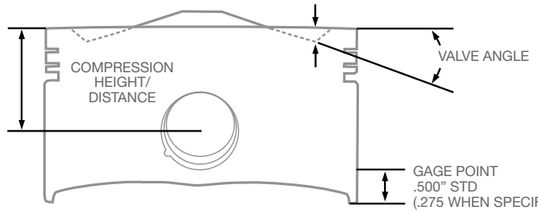


Valve location terminology

Center line out is measured to where a 90° valve relief cutter would meet the deck to the piston center line.



Valve pocket depth measured vertically from the piston deck to the deepest part of the valve relief radius



Piston to wall clearance

4032 Alloy pistons

	Bore Range	Min. Clearance
Sport Compact	2.500 to 3.625	.0022 to .0028
Sport Compact	3.626 to 3.999	.0025 to .0035

4032 Additional clearance guide lines

Drag Race	+.0010 - .0020
Turbo/Nitrous	+.0005 - .0010
Road Race	+.0005 - .0010

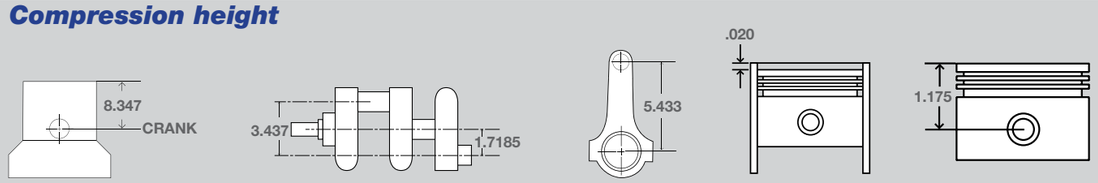
2618 Alloy pistons

	Bore Range	Min. Clearance
Sport Compact	2.500 to 3.625	.0025 to .0035
Sport Compact	3.626 to 3.999	.0030 to .0040

4032 Alloy pistons

Drag Race	+.0010 - .0020
Forced Induction/Nitrous	+.0015 - .0025
Turbo/Nitrous	+.0015 - .0020
Road Race	+.0015 - .0025

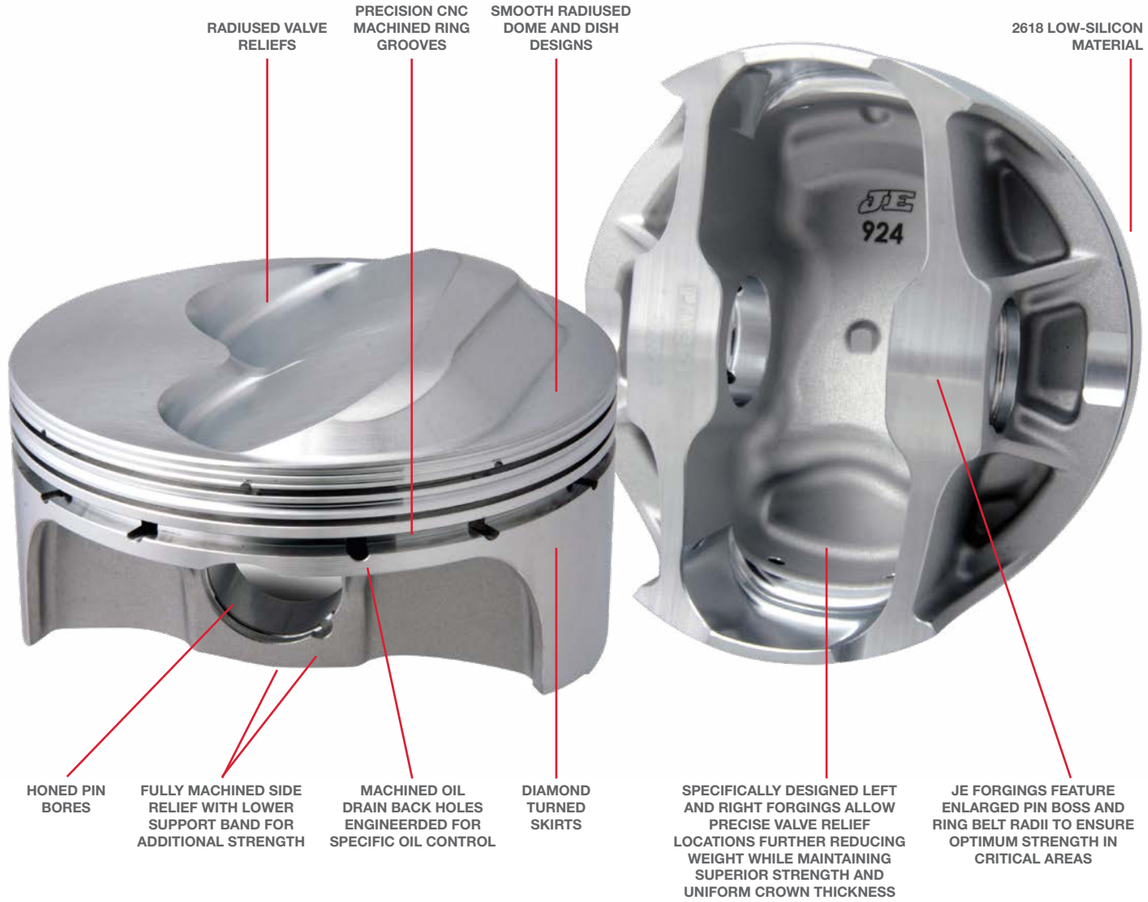
Compression height



BLOCK HEIGHT: 8.347 — 1/2 STROKE: 1.7185 — ROD LENGTH: 5.433 — BLOCK DECK CLEARANCE: 0.020 = COMPRESSION HEIGHT/DISTANCE: 1.175

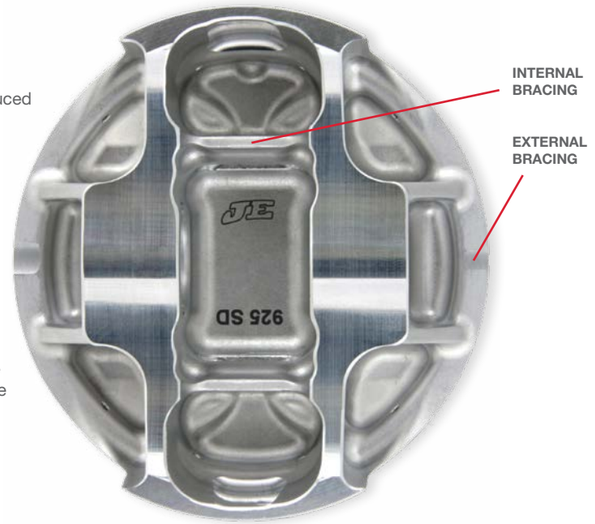
Shelf Piston Terminology

With over 300 individual forgings to choose from, JE is able to achieve specific piston design requirements while reducing overall weight.



What is an FSR forging?

FSR (Forged Side Relief) forging designs feature a reduced skirt width and shorter wrist pin when compared to traditional “full round” style forgings. The narrow skirt helps minimize piston contact with the cylinder wall that can cause friction and power loss while the shortened wrist pins reduces the overall weight. Some FSR forgings feature internal and external bracing to provide a more rigid construction while minimizing overall weight. With thousands of race miles logged in the most demanding applications like NASCAR, NHRA Pro Stock and IRL, these pistons provide the ultimate combination of low-friction, lightweight design with increased stability and strength. (Tech note: In extreme horsepower applications the use of oil squirters may be required).



ULTRA SERIES PISTONS



ULTRA SERIES

Ultra Series pistons are the cream of the crop, combining all of JE's premium features into a ready-to-ship shelf part. Ceramic crown treatment, lateral gas ports, Perfect Skirt coating, accumulator grooves, thick-wall wrist pins, double pin oilers, and a premium, carbon-steel ring pack are all part of the winning formula. In addition to the all-star feature list, Ultra Series pistons incorporate a revolutionary, new forging style that strengthens the piston at the material level outward. Grain-Flow Optimization is a breakthrough, and proprietary, piston forging technology and the result of tireless research and development of the in-house JE forging process. For the first time, engineers are able to precisely control metal grain direction around key structural elements of a piston, such as the crown and pin bosses, for exceptional strength improvements. All these traits combine to make the new Ultra Series the most technologically advanced, and feature rich, JE piston line to date.

COATINGS

Piston Coatings



A. The Thermal Barrier Crown Coating is applied to the top of the piston and is designed to reflect heat into the combustion chamber, thereby increasing exhaust gas velocity and greatly improving scavenging potential. The .0015" thick coating can also assist in extending piston life by decreasing the rate of thermal transfer.

B. Skirt Coating. JE now offers a skirt coating that is applied using a new process that does not require spray application. This coating offers many of the same benefits of our Tuff Skirt, at a much lower cost. All SRP Professional pistons now include this new skirt coating process.

C. Tuff Skirt is a JE Pistons' trademark coating that is a lubricating, anti-friction/ anti-wear coating applied to the piston skirt only. Unlike our standard Skirt Coating, Tuff Skirt will not wear and is designed to withstand many different types of endurance applications, similar to those commonly found in NASCAR. Buildup is .0005" per surface and finished diameter of skirt should include the coating buildup.

D. Anodized Ring Groove Coating. Reduces wear and material transfer between the ring and groove. Shown to be very durable in maximum effort, high endurance applications. Appropriate manufacturing allowances apply.

E. KoolKote is an aerospace quality hard anodize applied to all surfaces of the piston with a buildup of .001". This coating is designed for use in nitro-methane engines such as Top Fuel Drag Racing to endure the corrosive effects of this fuel type. It will withstand greater temperatures and will not flake, chip or peel. This coating does alter the heat transfer and expansion characteristics of the piston. Consult the JE Pistons technical department for specific applications. Manufacturing allowances are required on all surfaces.

Perfect Skirt ™

Perfect skirt is a proprietary and patented skirt coating only offered by JE Pistons. Perfect Skirt is three-times thicker than traditional skirt coatings to allow racing pistons to have tighter piston-to-wall clearances similar to OEM applications. This decreases piston noise on startup and reduces cylinder bore wear. Additionally, this is beneficial for late-model engines, reducing the possibility of false knock sensor readings. Perfect Skirt will continuously conform to the shape of your cylinder's bore.

En plating

Help reduce pitting and piston ring micro welding caused by detonation with JE's Electroless Nickel plating. Unlike other metal plating that loses hardness and softens when exposed to heat, Electroless Nickel gets harder as it runs. The plating is applied to the piston domes, ring grooves, and wrist pin bore to provide a lower coefficient of friction, reduce ring blow-by, and increase detonation protection. In addition, Electroless Nickel reflects heat and aloows domes to run to 68 degrees cooler...

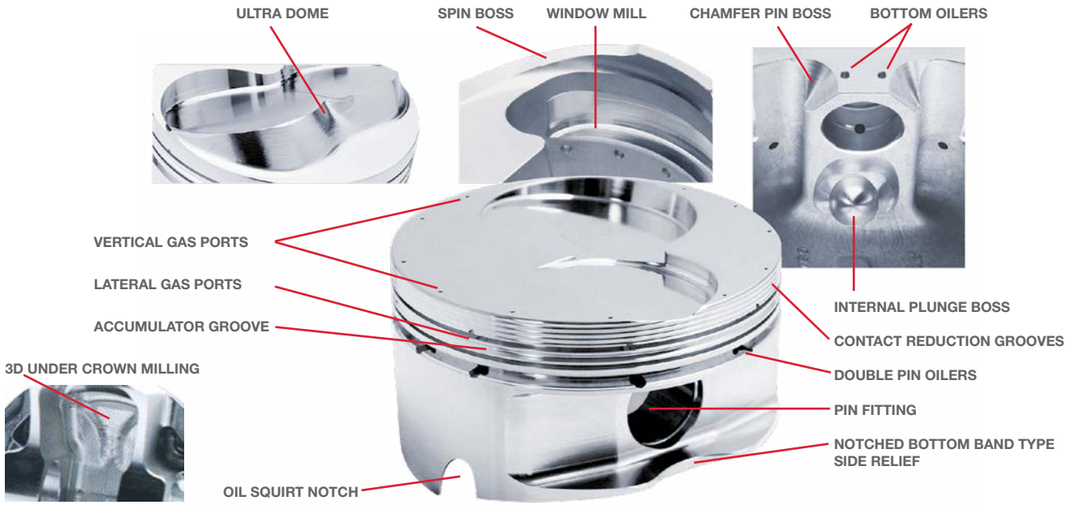
CUSTOM SPORT COMPACT PISTONS

Custom Pistons

For decades, JE Pistons has manufactured custom pistons for thousands of applications. JE Piston's in-house engineering and manufacturing centers can produce a custom piston for almost any 4-stroke engine. To order custom pistons, please use the Custom Piston Order Form located in the back of this catalog, or download one from our website at www.jepistons.com. Custom pistons do not include pins, locks or rings. Please see the components section of this catalog to select the proper components for your custom order.

Standard Custom Piston features

- Fully CNC Machined Piston
- Precision Machined CNC Ring Grooves
- Diamond Turned Skirts
- Radiused Valve Reliefs
- 2618 Low-Silicon or optional 4032 High Silicon Material Available on some applications
- Single Forced Pin Oilers
- Pick Lock Grooves (for use with wire locks)
- Lock Grooves Machined for Carbon Steel Spiro Locks (other options available)
- Machined Side Reliefs on full round forgings



Ultra Crown Dome Ultra Crown Inverted Dome
The Ultra Crown machining process allows incredibly precise dome to cylinder head tolerances. By mapping the exact shape of a piston or cylinder head, optimum compression and quench characteristics can be achieved.

3D Under Crown Milling
The Under Crown machining process allows for uniform deck thickness, therefore creating a lighter and more durable piston.

Vertical Gas Ports
Vertical holes in the deck of the piston, allows combustion pressure to directly enter behind the top ring on the power stroke, thus pressurizing the area behind the top ring for greater ring to cylinder wall seal. During the rest of the cycle, the ring has normal tension for reduced friction. (Most commonly used for drag race applications).

Lateral Gas Ports
This process mills slots into the top of the top ring groove and provides a pathway for combustion pressure to get behind the top ring. This process helps to increase ring seal and is most common in circle track applications.

Ultra Groove
Ultra Groove is a special ring groove machining process that provides near perfect groove flatness and surface finish. Tolerances are held to millionths of an inch.

Spin Boss & Window Milling
In certain applications window milling will remove a significant amount of weight from the skirt of the piston while maintaining its strength and integrity. Spin Boss refers to machining on the bottom of the pin boss, which removes weight where it is not needed for strength.

Plunge Boss & Chamfer Pin Boss
Machining process that removes additional material for added weight savings.

Contact Reduction Grooves
The purpose of machining these grooves is to reduce the amount of contact area against the cylinder wall when the piston "rocks over". Contact reduction also serves to disrupt the flame travel into the crevice area thus helping to reduce detonation.

Accumulator Grooves
An accumulator groove is machined into the land between the top and second ring. It provides additional volume where residual combustion gases that have "blown by" the top ring can collect. This additional volume helps to reduce pressure between the top & second ring, thus aiding in top ring seal and minimizing ring flutter.

Double Pin Oilers
Double Pin Oilers deliver twice the amount of oil to the wrist pin as compared to the standard single pin oiler.

Pin Fitting
The pin bore is precision honed to attain an exact pin clearance. Clearances typically range from .0003 to .0010 between the wrist pin and pin bore.

Oil Squirt Notch
Notching can be done on pistons for motors with oil squirters, or to avoid contact between pistons and/or pistons and crankshaft.

Bottom Oilers
This process machines one or two holes into the bottom of the pin boss to assist in splash pin lubrication.

Tulip Valve Pockets
Most commonly used on Hemi and motorcycle engines, this process leaves a raised area on plunged valve pockets to achieve maximum compression.

CUSTOM PISTON ORDER FORM

Engine Make:_____ Model:_____ Year:_____

Number of Cylinders:_____ Order Quantity of Pistons:_____

Cubic Inch Displacement:_____ Max RPM:_____ Approx. HP:_____

Bore Size:_____ Stroke:_____

Rod Length:_____

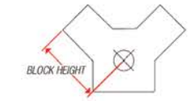
☐ *Steel* ☐ *Aluminum* ☐ *Titanium*

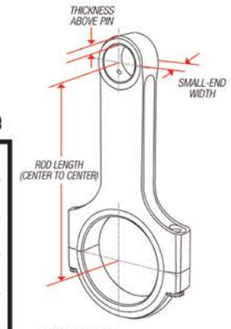
Brand:_____

Rod Small-End Width: _____

Thickness Above Pin:_____

Piston Guided Rod ☐ Yes ☐ No





Compression Height Calculation Table

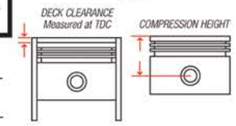
Block Height:_____

-1/2 of Stroke:_____

Rod Length:_____

Deck Clearance +/-: _____

Compression Height: _____



Head Gasket Thickness:_____

Compression Ratio: _____

CAMSHAFT SPECS: ☐ *Hydraulic* ☐ *Solid* ☐ *Roller*

Gross Valve Lift: In: _____ Ex:_____

Lobe Separation (°): _____ Duration @.050: In:_____ Ex:_____

Degreed in Std. °: + _____ ° - _____ °

Valve Lift @ TDC: In:_____ Ex:_____

CYLINDER HEAD Type:_____ Pt#:_____

Combustion Chamber Size: _____ cc's

Valve Diameter: In:_____ Ex:_____

Free Drop (If Known):_____

Was Cylinder Head Milled?: ☐ *Yes* ☐ *No*

If Cylinder Head Was Milled, How Much?: *Flat:*_____ *Angled:*_____

Piston Type (Circle One If Known):

☐ *Dome* ☐ *Flat Top* ☐ *Dish* ☐ *Inverted Dome*
☐ *Conical* ☐ *Spherical* ☐ *Round* ☐ *3D*

Pistons Designed For: ☐ *Circle Track* ☐ *Asphalt* ☐ *Dirt*
☐ *Drag Race* ☐ *Road Race* ☐ *Marine* ☐ *Street/Strip*
☐ *Other* (Please Specify): _____

Is Your Motor: ☐ *Carbureted* ☐ *Injected*
☐ *Turbo Charged: Lbs. Boost:*_____ ☐ *Blown: Lbs. Boost:*_____
☐ *Nitrous* - How Much HP: ☐ 100 ☐ 250 ☐ 350 ☐ 400+
☐ *Other* (Please Specify): _____

Fuel Type: ☐ *Pump Gas* ☐ *Race Gas* ☐ *Alcohol* ☐ *Nitro*

Purchasing Rings with Order: ☐ *Yes* ☐ *No* Cylinder Qty:_____

If ***NOT*** Purchasing Rings, Please Provide Ring Set Brand and Part Number:_____

Axial Ring Height: ***AXIAL RING HEIGHT***

Top:_____ 2nd:_____ Oil:_____

Radial Ring Widths: ***RADIAL RING WIDTH***

Top:_____ 2nd:_____ Oil:_____

OPTIONAL FEATURES*

**Please visit www.jepistons.com for details on custom piston features and terminology.*

Gas Ports; Vertical: _____ Spin Boss: _____

Gas Ports; Lateral: _____ Window Mill:_____

Accumulator Grooves: _____ Skirt Coating: _____

Contact Reduction:_____ DBL Pin Oilers: _____

Oil Rail Supports:_____ Pin Fit: _____

PIN SPECS

Pin Diameter:_____ Length:_____ Wall Thickness:_____ Qty:____

Pins With Order: ☐ *Yes* ☐ *No* Pin Fit: ☐ *Yes* ☐ *No*

Pin Series: ☐ *51* ☐ *52* ☐ *72* ☐ *93* ☐ *94* ☐ *95* ☐ *44*

Locks: ☐ *Double Spiro Lock* ☐ *Wire Lock* ☐ *Tru Arc* ☐ *HookWire*
☐ *Single Spiro Lock* ☐ *Single Tru Arc* ☐ *Buttons*

JE Pistons reserves the right to choose the appropriate pin length if supplying pins per each piston design.

EXPEDITE SERVICE (Does not apply to components)

☐ 7 Day + 25% ☐ 5 Day + 40% ☐ 3 Day + 50%

Note: Expedite services are in business days and applies to manufacturing time only. Shipping and engineering time is not included. Expedite services are not available for sample pistons.

BILLING INFORMATION

Bill To:_____ Acct #:_____

Address:_____

_____

Ship To:_____ Acct #:_____

Address:_____

_____

Phone:_____ Fax:_____

Ship Method:_____ P.O. #:_____

CC#:_____ CVC#:_____

Name On Card:_____ Exp:_____

Deposit Amount (50% req.):_____ Billing Zip Code:_____

Signature:_____ Date:_____

Customer's Email address:_____

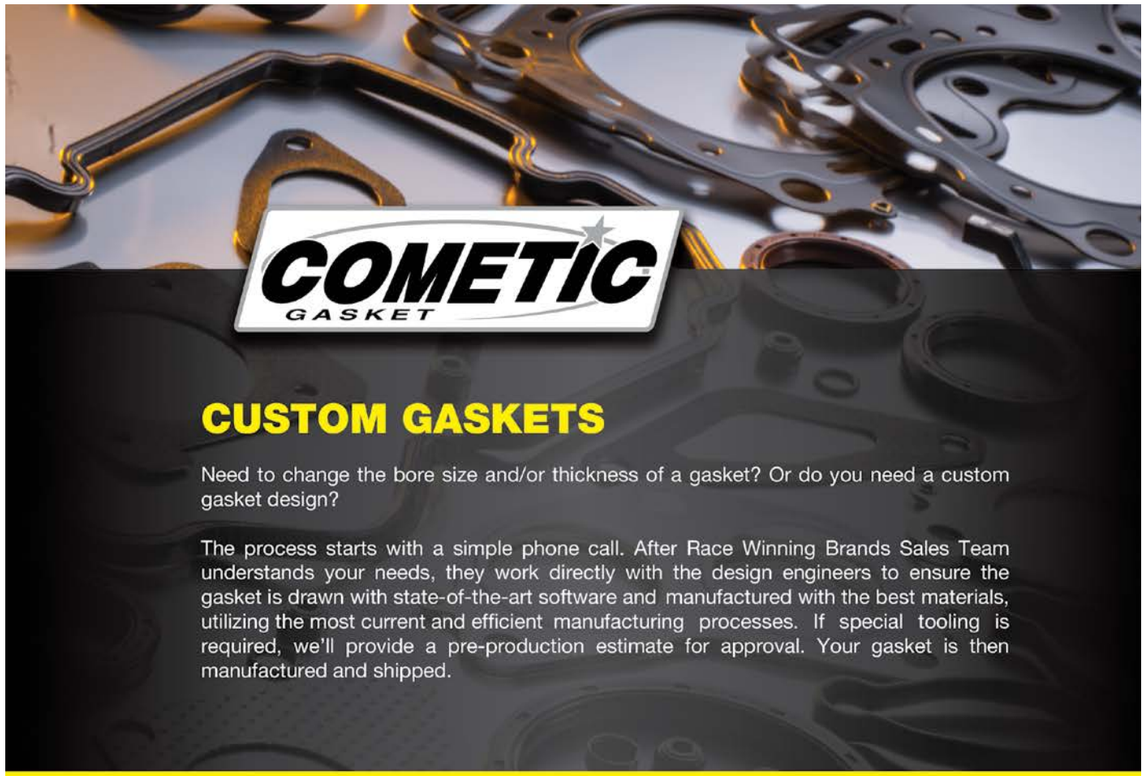
RETURN POLICY: Custom pistons are returnable only for defects in workmanship or materials in the as received condition. Under no circumstances will parts be returnable after 90 days. Please check packaging for complete details regarding return policy. All returns require "Return Materials Authorization" (RMA) number, available form the JE sales department.

CARRILLO CUSTOM RODS



PLEASE CONTACT THE RACE WINNING BRANDS SALES TEAM AND TELL THEM YOUR CUSTOM NEEDS AND THEY WILL ARRANGE THE PISTON OR ROD YOU NEED!

COMETIC CUSTOM GASKETS



CUSTOM GASKETS

Need to change the bore size and/or thickness of a gasket? Or do you need a custom gasket design?

The process starts with a simple phone call. After Race Winning Brands Sales Team understands your needs, they work directly with the design engineers to ensure the gasket is drawn with state-of-the-art software and manufactured with the best materials, utilizing the most current and efficient manufacturing processes. If special tooling is required, we'll provide a pre-production estimate for approval. Your gasket is then manufactured and shipped.



CUSTOM BUILD APPLICATIONS

Application

Alfa Romeo
2,0L GTA

Audi
2,2L 10V Turbo
(WR/GV/WX/KJ/WJ/WS)
4,2L 40V Bi-Turbo(BCY)
5,0L 40V RS6

BMW
M10B16
M42B18
S14B25
M20B23
M20B25
M20B27
M30B30
M30B34(M.45)
M30B35
M50B25 Single Vanos
M52B20
M52B28
M54B30
M62B44
N45B20S
CSL 3.5L 24V(E9) (M30/M90)
S38B35
S38B38
S55B30
S65B40
S62B50
S70B56
M12/7
Alpina

Dodge
Viper GT3

Ferrari
246 Dino 2,0L V6
250GT 3,0L V12 '56-59
250GT 3,0L V12 '60-63
308QV 3,0L 24V(V8)
400GT 4,8L V12

Fiat
Abarth 1,0L
Punto 1,1L
Punto 1,2L Turbo
Fiat 128 1,3L 8V
Abarth 1,4L (500)
Punto 1.8L 16V(M182A) KC
1,8L 16V (183A1,000)

Ford
Cortina 1,6L
Kent 1,6L
Zetec-SE / Sigma 1,6L 16V
Probe 2,5L KL
Essex 3,0L (Aspirated +Turbo)
BOA/BOB(Cologne V6 24V
Cosworth)
BDA

Lancia
Fulvia 1,3L GT
Fulvia 1,4L
Fulvia 1,6L
Flaminia 2,8L V6

Lotus
Elise 1,8L 16V(K4F)
Omega 3,6L 24V (C36GET)

Maserati
Ghibli II 2,0L V6
A6G/54 2,0L I6
Sebring 3,5L
3500GT 3,5L Tipo101
Mexico 4,2L V8
Mugello 4,2L V8
Indy 4700 4,7L
Ghibli 4,9L V8

Mercedes
M100 6,3L
M103,980(3,0L)
M104.980
M104.941
M111.955
M113K-E55(AMG)
M115.920
M117-E45
M117-E56,967
M127,981
M127.983
M180(2,2L)
M189.987
200B-M21

Mercruiser
1075 Evo P1
600/662/700SCI 8.2L

Mini
1,6L 16V JCW

Mitsubishi
4G61
4G67
1,5L Colt CTZ

Nissan
SR16VE
U20(240Z)
L28ET(Z280)

Opel
C13NE
C14N
A16XER
C20NE
X20XE
A400

Porsche
1,5L 356
1,6L 8V 912
2,0L 8V 911
2,0L 8V 911S
2,0L 12V 911
2,0L 924(XJ/XK)
2,0L 924GT
2,5L 8V 944T(951) (M44.51)
2,7L 8V 944(M44.11/M44.12)
3,0L 16V (968 non Turbo+Turbo)
3,4L Caymen S (M97.21)
3,6L 24V 911(996) (M96.03)
3,6L 996 GT2
3,6L 997(M96.05)
3,8L 24V 911(997) (M97.01)
4,5L Cayenne S V8(955)
4,5L V8 M48/M50
4,8L Cayenne S DFI V8(957)

P.S.A. (Peugeot/Citroën)
2,0L 8V(XU10J2TE)

Puch
500

Renault
A310 (Alpine 1,6L)
1,6L(K4M)
FN2 (1,7L 8V)
2,0L 16V Clio Williams S16

Rover
1,4L K-series
1,8L K-series

Subaru
EJ20E

Suzuki
G13
G13B longrod
M15A
G16B longrod
S1600

Toyota
1KR-FE
ZZ
4K
4AGE 20V
4A-FE
4E-FTE
2NZ-FE
2JZ-GE
2GR-FE
2TG
7A-FE
7MGE

Volvo
B18FT
B20 / B230
B200

V.A.G.
1,3L 8V(86C)(3F/GK)
1,4L AFH
1,6L 8V Golf I -Mahle Motorsport
2,0L Skoda S2000

Examples Vintage Applications

Alfa Romeo 1300 F1
Alfa Romeo 2,0L GTA
Alfa Romeo 2,5L GTV(V6)
Alvis TA14
Alvis TD21
Auburn
Aston Martin 3,7L DB4
Aston Martin 4,0L DB6
Austin Healey 100(4/6)
Austin Metro(6R4)3,0L 24V
Bentley Continental S3(V8)
Bentley MK VI 4,3L(I6)
Bentley GT 6,0L W12(BEB)
Bugatti 57S Atalante
Bugatti Breccia 1,5L
Citroën 2CV
Coventry Climax
Datsun Cherry E15ET
Datsun Fairlady 2,0L(U20)
Delorean 2,8L V6 24V(PRV)
Facel Vega
Fiat 509
Ford Model T
Hummer H3
Jaguar XK 3,4L/3,8L
Jaguar 3,8L
Jaguar 4,2L(S-type/MarkII)
Jaguar E-Type 4,2L
Jeep 4,0L(I6)
Lada 1600
Lada 2101
Lagonda (I6)
Lagonda LB6A
Lancia Appia 1,1L
Lancia Augusta 1,2L
Lancia Fulvia 1,3/1,6L
Lancia Flavia 1,8L
Lancia Monte Carlo 2,0L
Lancia Lambda S8(2,6L)
Lamborghini Espada(3,9L V12)
Lamborghini 400GT(4,0L V12)
Lamborghini Countach LP400(4,0L V12)
Mercedes SSK
MG MGA 1600
MG MGB 1800
MG MGC 2,9L
MG-Midget MKI
MG K3 1,1L
MG-SA 2,3L I6
MG TC/TD 1,3L Midget
NSU 1200
Oldsmobile D66 Sedannette L6 3.9L(238CI)
Panhard 24
Peugeot 201
Riley TC 14/6
Rover V8 3,5L/3,9L
Rolls Royce Silver Shadow
Rolls Royce Silver Cloud II/III 6,2L V8
Simca 1301
Simca Marly V8
Talbot
Triumph TR3
Triumph TR4
Triumph TR6
Wolga Gaz

APPLICATION LISTING

▲TOP

Alfa Romeo PISTONS

COMPLEMENTARY PARTS

33

OEM Engine details 1,7 Ltr 16V | Engine code: AR3055.. | • Displacement:1712 cc | • Valves:16 | • Comp. Ratio:10,0:1 | • Head cc's:36,50 | • Gasket thickness:1,37 | • Rod Length:130,00
Bore:87,00 | • Stroke: 72,20 | • Block Ht:201,70

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE231M87	87,00	Std.	35,00	-11	0,60-	10,0:1	21	8700XX	387	1,M,R	-	-	-
KE231M8725	87,25	0,25	35,00	-11	0,60-	10,0:1	21	8725XX	389	1,M,R	-	-	-
KE231M875	87,50	0,50	35,00	-11	0,60-	10,0:1	21	8750XX	392	1,M,R	-	-	-
KE231M88	88,00	1,00	35,00	-11	0,60-	10,0:1	21	8800XX	398	1,R	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-	-	-	-

Nord

OEM Engine details 2,0 Ltr 8V | Engine code:105 | • Displacement:1962 cc | • Valves:8 | • Comp. Ratio:9,0:1 | • Head cc's:76,90 | • Gasket thickness:1,74 | • Rod Length:157,00
Bore:84,00 | • Stroke:88,50 | • Block Ht:234,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE234M84	84,00	Std.	33,25	42,4	0,25-	9.0:1	22	8400XX	409	1,D,M	-	001EG17157	-
KE234M8425	84,25	0,25	33,25	42,4	0,25-	9.0:1	22	8425XX	411	1,D,M	-	001EG17157	-
KE234M845	84,50	0,50	33,25	42,4	0,25-	9.0:1	22	8450XX	414	1,D,M	-	001EG17157	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1110H(0,25)	5M1112H(0,25)	-	-	126-6101	-
KING	CR4595XP	MB 511XP	-			

75 Twin Spark

OEM Engine details 2,0 Ltr 8V | Engine code:06224 | • Displacement:1962 cc | • Valves:8 | • Comp. Ratio:10,0:1 | • Head cc's:N/A | • Gasket thickness:1,70 | • Rod Length:157,00
Bore:84,00 | • Stroke:88,50 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
345909C	84,00	Std.	32,75	15,5	-	10,0:1	22	JG1001-3307	349	I,M,S	H1995SP2063C	001EG17157	-
306620C	84,50	0,50	32,75	15,5	-	10,0:1	22	JG1001-3327	353	I,M,S	H1995SP2063C	001EG17157	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1110H(0,25)	5M1112H(0,25)	-	126-6101		
KING	CR4595XP	MB 511XP	TW 238AM			

BMW/Mini

Mini Cooper S 1,6/1,6SC (MKI)

OEM Engine details 1,6 Ltr 16V | Engine code:Tritec(W11B16/T16B4) | • Displacement:1598 cc | • Valves:16 | • Comp. Ratio:10,6:1/8,3:1 | • Head cc's:33,00 | • Gasket thickness:0,75 | • Rod Length:131,50
Bore: 77,00 | • Stroke: 85,80 | • Block Ht:210,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K618M77 *	77,00	Std.	26,50	0 FT	4,00-	8,5:1	21	3032XC	246	1,J,M,R	C4308-027	005EB16132 / R-MIN-001-I	C-MIN-001UL
K618M775 *	77,50	0,50	26,50	0 FT	4,00-	8,5:1	21	3051XC	250	1,J,M,R	C4308-027	005EB16132 / R-MIN-001-I	C-MIN-001UL

* Fits OE / ZRP / K1 rod only!

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
312423	77,00	Std.	26,50	-1	4,00-	8,3:1	21	XC7700	238	M,R,T	C4308-027	BM-MINS-S-55177S-04	C-MIN-001UL
312424	77,25	0,25	26,50	-1	4,00-	8,3:1	21	JG1004-3051	241	M,R,T	C4308-027	BM-MINS-S-55177S-04	C-MIN-001UL
312425	77,50	0,50	26,50	-1	4,00-	8,3:1	21	JG1004-3051	243	M,R,T	C4308-027	BM-MINS-S-55177S-04	C-MIN-001UL

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B2902H(HX/0,025/0,25)	-	-	201-4301	206-6008	-
KING	CR4600XP	-	-			

Mini Cooper S (MKII) / BMW F20

OEM Engine details 1,6 Ltr 16V | Engine code:Prince(N12/N13/N14B16A) | • Displacement:1598 cc | • Valves:16 | • Comp. Ratio:11,0:1/10,5:1 | • Head cc's:37,60 | • Gasket thickness:0,90 | • Rod Length:138,50
Bore: 77,00 | • Stroke: 85,80 | • Block Ht:210,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE259M77	77,00	Std.	28,50	1	0,60-	10,1:1	20	7700XX	282	1,R	C4617-036/338476R	005EA14139 (Straight)* / R-MIN-002-I (Tapered)	C-MIN-002
KE259M775	77,50	0,50	28,50	1	0,60-	10,1:1	20	7750XX	284	1,R	C4617-036/338476R	005EA14139 (Straight)* / R-MIN-002-I (Tapered)	C-MIN-002

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
351938C-77	77,00	Std.	28,45	-0,3	0,65-	9,8:1	20	JG1001-3031	270	I,M,T	C4617-036/338476R	005EA14139 (Straight)* / R-MIN-002-I (Tapered)	C-MIN-002
351938C*	77,25	0,25	28,45	-0,3	0,65-	9,8:1	20	7750XX	273	I,M,T	C4617-036/338476R	005EA14139 (Straight)* / R-MIN-002-I (Tapered)	C-MIN-002
351938C-77,5	77,50	0,50	28,45	-0,3	0,65-	9,8:1	20	JG1004-3051	277	I,M,T	C4617-036/338476R	005EA14139 (Straight)* / R-MIN-002-I (Tapered)	C-MIN-002

*Straight SE,don't fit OE Pistons+possible block clearance issue!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B7787H(HX/0,025/0,25)	5M7788H(HX/0,025/0,25)	-	201-4304	201-6305	201-5401
KING	CR4633XP	MB5758XP	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

BMW/Mini PISTONS

COMPLEMENTARY PARTS

Mini Cooper S (R56)

OEM Engine details 1,6 Ltr 16V | Engine code:Prince(N18B16A/B/C) | • Displacement:1598 cc | • Valves:16 | • Comp. Ratio:10,5:1 | • Head cc's: 37,60 | • Gasket thickness:0,90 | • Rod Length:138,50

Bore: 77,00 | • Stroke: 85,80 | • Block Ht:210,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
357663C	77,50	0,50	28,45	-3,75	-0,65	9,3:1	20	JG004-3051	262	I,M,T	C4617-036/338476R	005EA14139 (Straight)* / R-MIN-002-I (Tapered)	C-MIN-002

*Straight SE,don't fit OE Pistons+possible block clearance issue!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B7787H(HX/0,025/0,25)	5M7788H(HX/0,025/0,25)	-	201-4304	201-6305	201-5401
KING	CR4633XP	MB5758XP	-			

M42B18 as in 318is(E30/E36)

OEM Engine details 1,8 Ltr 16V | Engine code:M42B18 | • Displacement:1796 cc | • Valves:16 | • Comp. Ratio:10,0:1 | • Head cc's:30,00 | • Gasket thickness:1,74 | • Rod Length:140,00

Bore:84,00 | • Stroke:81,00 | • Block Ht:212,15

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
354629C	84,00	Std.	31,62	-3,1	0	11,5:1	22	JG1001-3307	279	I,M,R	C4348-070/BM1010-063	005AX17140S(4x) / R-BMW-007-I	005AX17140S(4x) / R-BMW-007-I
369375C	84,50	0,50	31,62	-3,1	0	11,6:1	22	JG1001-3327	284	I,M,R	C4348-070/BM1010-063	005AX17140S(4x) / R-BMW-007-I	005AX17140S(4x) / R-BMW-007-I

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1490H(HX/0,025/0,25/0,50)	5M1538H(HX/0,025/0,25/0,50)	-	201-4M42	-	201-5M42
KING	CR4042XP	MB5082XP	-			

Mini Cooper S (F56) / BMW 125i(F20)/320i(F30)/420i(F32)

OEM Engine details 2,0 Ltr 16V | Engine code:B48A20/B48B20 | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:10,2:1 | • Head cc's:N/A | • Gasket thickness:0,70 | • Rod Length:148,20

Bore: 82,00 | • Stroke: 94,60 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
353903C	82,00	Std.	33,25	-17,46	-	9,5:1	22	JG1001-3228	299	F,I,M	-	BM_BB58_0HS_5828B6H (4x) / R-MIN-003-I	-
353903C-825*	82,50	0,50	33,25	-17,46	-	9,5:1	22	JG1001-3248	303	F,I,M	-	BM_BB58_0HS_5828B6H (4x) / R-MIN-003-I	-

* Cylinder replating required for oversizes!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

M10B20 as in 2002

OEM Engine details 2,0 Ltr 8V | Engine code:M10B20(121 Head) | • Displacement:1991 cc | • Valves:8 | • Comp. Ratio:10,0:1 | • Head cc's:58,00 | • Gasket thickness:1,52 | • Rod Length:135,00

Bore:89,00 | • Stroke:80,00 | • Block Ht:217,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE316M89	89,00	Std.	42,44	10,4	0,06-	10,0:1	22	8900XX	456	1,M	C4293-060	R-BMW-008-I	C-BMW-001
KE316M895	89,50	0,50	42,44	10,4	0,06-	10,0:1	22	8950XX	463	1,M	C4293-060	R-BMW-008-I	C-BMW-001
KE316M90	90,00	1,00	42,44	10,4	0,06-	10,0:1	22	9000XX	474	1,M	C4293-060	R-BMW-008-I	C-BMW-001
KE316M9025	90,25	1,25	42,44	10,4	0,06-	10,0:1	22	9025XX	482	1,M	C4293-060	R-BMW-008-I	C-BMW-001

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	201-4601	201-6304	201-5001
KING	-	-	-			

M10B20 as in 2002Tii

OEM Engine details 2,0 Ltr 8V | Engine code:M10B20(E12 Head) | • Displacement:1991 cc | • Valves:8 | • Comp. Ratio:9,5:1 | • Head cc's:58,00 | • Gasket thickness:1,52 | • Rod Length:135,00

Bore:89,00 | • Stroke:80,00 | • Block Ht:217,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE326M89	89,00	Std.	42,11	14,8	0,39-	9,5:1	22	8900XX	-	1,M	C4293-060	R-BMW-008-I	C-BMW-001
KE326M895	89,50	0,50	42,11	14,8	0,39-	9,5:1	22	8950XX	461	1,M	C4293-060	R-BMW-008-I	C-BMW-001
KE326M90	90,00	1,00	42,11	14,8	0,39-	9,5:1	22	9000XX	-	1,M	C4293-060	R-BMW-008-I	C-BMW-001
KE326M9025	90,25	1,25	42,11	14,8	0,39-	9,5:1	22	9025XX	-	1,M	C4293-060	R-BMW-008-I	C-BMW-001

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	201-4601	201-6304	201-5001
KING	-	-	-			

M52B20 Single Vanos as in 320i(E36)/520i(E39)

OEM Engine details 2,0 Ltr 24V | Engine code:M52B20 | • Displacement:1991 cc | • Valves:24 | • Comp. Ratio:11,0:1 | • Head cc's:N/A | • Gasket thickness:1,74 | • Rod Length:145,00

Bore:80,00 | • Stroke:66,00 | • Block Ht:210,80

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
291757C	81,00	1,00	31,50	-7	1,30-	8,5:1	22	JG1001-3189	304	M	W6610	BM-M52-S-65709H-06	-
291757C-N/A	81,00	1,00	31,70	6	1,10-	11,0:1	22	JG1001-3189	312	M	W6610	BM-M52-S-65709H-06	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B1490H(HX/0,025/0,25/0,50)	7M1532H(HX/0,025/0,25/0,50)	-	-	-	-
KING	CR6640XP	MB7039XP	-			
	CR6640XPC	MB7039XPC	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

BMW/Mini PISTONS

COMPLEMENTARY PARTS

S14B23 as in M3(E30)

OEM Engine details 2,3 Ltr 16V | Engine code:S14B23 | • Displacement:2302 cc | • Valves:16 | • Comp. Ratio:10,5:1 | • Head cc's:42,50 | • Gasket thickness:1,82 | • Rod Length:144,00

Bore:93,40 | • Stroke: 84,00 | • Block Ht:217,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE113M94	94,00	0,60	32,00	-32	0,50	8,0:1	22	9400XX	396	1,R	W6301	BM-S14-S-65669S-04 / R-BMW-001-I	C-BMW-003
KE113M9425	94,25	0,85	32,00	-32	0,50	8,0:1	22	9425XX	-	1,M,R	W6301	BM-S14-S-65669S-04 / R-BMW-001-I	C-BMW-003
KE113M945	94,50	1,10	32,00	-32	0,50	8,0:1	22	9450XX	381	1,M,R	W6301	BM-S14-S-65669S-04 / R-BMW-001-I	C-BMW-003
KE112M94	94,00	0,60	32,00	-2	0,50	12,0:1	22	9400XX	391	1,R	W6301	BM-S14-S-65669S-04 / R-BMW-001-I	C-BMW-003
KE112M9425	94,25	0,85	32,00	-2	0,50	12,0:1	22	9425XX	395	1,M,R	W6301	BM-S14-S-65669S-04 / R-BMW-001-I	C-BMW-003
KE112M945	94,50	1,10	32,00	-2	0,50	12,0:1	22	9450XX	398	1,R	W6301	BM-S14-S-65669S-04 / R-BMW-001-I	C-BMW-003
For stroker crank 87,00 mm (B25)													
KE110M94	94,00	0,60	30,22	-38	0,22	8,0:1	22	9400XX+GLS39	365	1,C,R	W6301	BM-S14-S-65669S-04 / R-BMW-001-I	C-BMW-002
KE110M9425	94,25	0,85	30,22	-38	0,22	8,0:1	22	9425XX+GLS39	368	1,C,M,R	W6301	BM-S14-S-65669S-04 / R-BMW-001-I	C-BMW-002
KE110M945	94,50	1,10	30,22	-38	0,22	8,0:1	22	9450XX+GLS39	390	1,C,R	W6301	BM-S14-S-65669S-04 / R-BMW-001-I	C-BMW-002
KE111M94	94,00	0,60	30,22	-6 FT	0,22	12,0:1	22	9400XX	352	1,C,R	W6301	BM-S14-S-65669S-04 / R-BMW-001-I	C-BMW-002
KE111M9425	94,25	0,85	30,22	-6 FT	0,22	12,0:1	22	9425XX	355	1,C,M,R	W6301	BM-S14-S-65669S-04 / R-BMW-001-I	C-BMW-002
KE111M945	94,50	1,10	30,22	-6 FT	0,22	12,0:1	22	9450XX	358	1,C,M,R	W6301	BM-S14-S-65669H-04 / R-BMW-001-I	C-BMW-002
KE111M95	95,00	1,60	30,22	-6 FT	0,22	12,0:1	22	9500XX	362	1,C,M,R	W6301	BM-S14-S-65669H-04 / R-BMW-001-I	C-BMW-002
KE111M955	95,50	2,10	30,22	-6 FT	0,22	12,0:1	22	9550XX	371	1,C,M,R	H1869SP3066S	BM-S14-S-65669H-04 / R-BMW-001-I	C-BMW-002

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
321357	93,60	0,20	32,00	-23,1	0,50	8,5:1	22	J60004-3691	370	A,F,M,T	C4295-070	BM-S14-S-65669S-04 / R-BMW-001-I	C-BMW-003
321358	93,80	0,40	32,00	-23,4	0,50	8,5:1	22	JG1004-3701	372	A,F,M,T	C4295-070	BM-S14-S-65669S-04 / R-BMW-001-I	C-BMW-003
321359	94,00	0,60	32,00	-23,7	0,50	8,5:1	22	JG1004-3701	373	F,M,T	C4295-070	BM-S14-S-65669S-04 / R-BMW-001-I	C-BMW-003
321360	94,20	0,80	32,00	-24,0	0,50	8,5:1	22	JG1004-3711	374	A,F,M,T	C4295-070	BM-S14-S-65669S-04 / R-BMW-001-I	C-BMW-003
321361	93,60	0,20	32,00	5,8	0,50	13,0:1	22	J60004-3691	407	A,F,M,V	C4295-070	BM-S14-S-65669H-04 / R-BMW-001-I	C-BMW-003
321362	93,80	0,40	32,00	5,6	0,50	13,0:1	22	JG1004-3701	408	A,F,M,V	C4295-070	BM-S14-S-65669H-04 / R-BMW-001-I	C-BMW-003
321363	94,00	0,60	32,00	5,4	0,50	13,0:1	22	JG1004-3701	409	F,M,V	C4295-070	BM-S14-S-65669H-04 / R-BMW-001-I	C-BMW-003
321364	94,20	0,80	32,00	5,2	0,50	13,0:1	22	JG1004-3711	411	A,F,M,V	C4295-070	BM-S14-S-65669H-04 / R-BMW-001-I	C-BMW-003

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1568H(HX/0,025/0,25)	-	-	201-4605	201-6104	201-5001
KING	CR4596XP	-	-			

M20B25 as in 325i(E30)

OEM Engine details 2,5 Ltr 12V | Engine code:M20B25(M1Z7) | • Displacement:2494 cc | • Valves:12 | • Comp. Ratio:8,8:1 | • Head cc's:38,50 | • Gasket thickness:1,75 | • Rod Length:135,00

Bore:84,00 | • Stroke:75,00 | • Block Ht:206,70

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE317M84AP	84,00	Std.	34,70	-6,8	0,50	8,8:1	22	8400XX	370	1,M,R,T	C4394-070	005AX17135	-
KE317M8425AP	84,25	0,25	34,70	-6,8	0,50	8,8:1	22	8425XX	373	1,M,R,T	C4394-070	005AX17135	-
KE317M845AP	84,50	0,50	34,70	-6,8	0,50	8,8:1	22	8450XX	379	1,M,R,T	C4394-070	005AX17135	-
KE317M85AP	85,00	1,00	34,70	-6,8	0,50	8,8:1	22	8500XX	385	1,M,R,T	C4394-070	005AX17135	-
KE319M84	84,00	Std.	34,70	6,2	0,50	11,5:1	22	8400XX	385	1,F,M	C4394-070	005AX17135	-
KE319M8425	84,25	0,25	34,70	6,2	0,50	11,5:1	22	8425XX	388	1,F,M	C4394-070	005AX17135	-
KE319M845	84,50	0,50	34,70	6,2	0,50	11,5:1	22	8450XX	393	1,F,M	C4394-070	005AX17135	-
KE319M85	85,00	1,00	34,70	6,2	0,50	11,5:1	22	8500XX	396	1,F,M	C4394-070	005AX17135	-
For stoker crank 81,00 mm(B27)													
KE318M84AP	84,00	Std.	31,20	-11,1	0	8,5:1	22	8400XX	345	1,M,R,T	C4394-070	005AX17135	-
KE318M8425AP	84,25	0,25	31,20	-11,1	0	8,5:1	22	8425XX	347	1,M,R,T	C4394-070	005AX17135	-
KE318M845AP	84,50	0,50	31,20	-11,1	0	8,5:1	22	8450XX	344	1,M,R,T	C4394-070	005AX17135	-
KE318M85AP	85,00	1,00	31,20	-11,1	0	8,5:1	22	8500XX	352	1,M,R,T	C4394-070	005AX17135	-
KE320M84AP	84,00	Std.	31,20	-1,6	0	10,0:1	22	8400XX	345	1,M,R,T	C4394-070	005AX17135	-
KE320M8425AP	84,25	0,25	31,20	-1,6	0	10,0:1	22	8425XX	349	1,M,R,T	C4394-070	005AX17135	-
KE320M845AP	84,50	0,50	31,20	-1,6	0	10,0:1	22	8450XX	354	1,M,R,T	C4394-070	005AX17135	-
KE320M85AP	85,00	1,00	31,20	-1,6	0	10,0:1	22	8500XX	358	1,M,R,T	C4394-070	005AX17135	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B1490H(HX/0,025/0,25/0,50)	7M1532H(HX/0,025/0,25/0,50)	-	201-4305	201-6301	-
KING	CR6640XP	MB7039XP	-			
	CR6640XPC	MB7039XPC	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

BMW/Mini PISTONS

M50B25 Single Vanos as in 325i/525i(E34/E36)

OEM Engine details 2,5 Ltr 24V | Engine code:M50B25TU | Bore:84,00 | • Displacement:2494 cc | • Stroke:75,00 | • Valves:24 | • Block Ht:210,00 | • Comp. Ratio:10,5:1 | • Head cc's:34,00 | • Gasket thickness:1,75 | • Rod Length:140,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE315M84	84,00	Std.	33,20	-13,5	0,70	8,8:1	22	8400XX	334	1,F,M	C4328-070 / W6611	005AX17140 / R-BMW-002-I	-
KE315M8425	84,25	0,25	33,20	-13,5	0,70	8,8:1	22	8425XX	337	1,F,M	C4328-070 / W6611	005AX17140 / R-BMW-002-I	-
KE315M845	84,50	0,50	33,20	-13,5	0,70	8,8:1	22	8450XX	340	1,F,M	C4328-070 / W6611	005AX17140 / R-BMW-002-I	-
KE315M85	85,00	1,00	33,20	-13,5	0,70	8,8:1	22	8500XX	349	1,F,M	C4328-070 / W6611	005AX17140 / R-BMW-002-I	-
KE314M84	84,00	Std.	33,20	-1,5	0,70	11,0:1	22	8400XX	308	1,F,M	C4328-070 / W6611	005AX17140 / R-BMW-002-I	-
KE314M8425	84,25	0,25	33,20	-1,5	0,70	11,0:1	22	8425XX	315	1,F,M	C4328-070 / W6611	005AX17140 / R-BMW-002-I	-
KE314M845	84,50	0,50	33,20	-1,5	0,70	11,0:1	22	8450XX	329	1,F,M	C4328-070 / W6611	005AX17140 / R-BMW-002-I	-
KE314M85	85,00	1,00	33,20	-1,5	0,70	11,0:1	22	8500XX	-	1,F,M	C4328-070 / W6611	005AX17140 / R-BMW-002-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B1490H(HX/0,025/0,25/0,50)	7M1532H(HX/0,025/0,25/0,50)	-	201-4302	201-6301	201-5000
KING	CR6640XP	MB7039XP	-			
	CR6640XPC	MB7039XPC	-			

M50B25 as in 325i/525i(E34/E36)

OEM Engine details 2,5 Ltr 24V | Engine code:M50B25 | Bore:84,00 | • Displacement:2494 cc | • Stroke:75,00 | • Valves:24 | • Block Ht:210,00 | • Comp. Ratio:10,0:1 | • Head cc's:34,00 | • Gasket thickness:1,75 | • Rod Length:135,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE115M84	84,00	Std.	38,20	-13,5	0,70	8,8:1	22	8400XX	345	1,F	C4328-070 / W6611	005AX17135 / R-BMW-006-I	-
KE115M8425	84,25	0,25	38,20	-13,5	0,70	8,8:1	22	8425XX	359	1,F,M	C4328-070 / W6611	005AX17135 / R-BMW-006-I	-
KE115M845	84,50	0,50	38,20	-13,5	0,70	8,8:1	22	8450XX	360	1,F	C4328-070 / W6611	005AX17135 / R-BMW-006-I	-
KE115M85	85,00	1,00	38,20	-13,5	0,70	8,8:1	22	8500XX	362	1,F	C4328-070 / W6611	005AX17135 / R-BMW-006-I	-
KE114M84AP	84,00	Std.	38,20	-1,5	0,70	11,0:1	22	8400XX	348	1,F	C4328-070 / W6611	005AX17135 / R-BMW-006-I	-
KE114M8425AP	84,25	0,25	38,20	-1,5	0,70	11,0:1	22	8425XX	350	1,F	C4328-070 / W6611	005AX17135 / R-BMW-006-I	-
KE114M845AP	84,50	0,50	38,20	-1,5	0,70	11,0:1	22	8450XX	352	1,F	C4328-070 / W6611	005AX17135 / R-BMW-006-I	-
KE114M85AP	85,00	1,00	38,20	-1,5	0,70	11,0:1	22	8500XX	356	1,F,M	C4328-070 / W6611	005AX17135 / R-BMW-006-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B1490H(HX/0,025/0,25/0,50)	7M1532H(HX/0,025/0,25/0,50)	-	201-4302	201-6301	201-5000
KING	CR6640XP	MB7039XP	-			
	CR6640XPC	MB7039XPC	-			

M52B25 Single Vanos as in 323i(E36/E46)/523i(E39)

OEM Engine details 2,5 Ltr 24 V | Engine code:M52B25 | Bore:84,00 | • Displacement:2494 cc | • Stroke:75,00 | • Valves:24 | • Block Ht:210,80 | • Comp. Ratio:10,5:1 | • Head cc's:36,00 | • Gasket thickness:1,75 | • Rod Length:140,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE118M84	84,00	Std.	32,70	-5	0,60-	8,8:1	22	8400XX	354	1	W6611	005AX17140 / R-BMW-002-I	-
KE118M8425 *	84,25	0,25	32,70	-5	0,60-	8,8:1	22	8425XX	354	1,M	W6611	005AX17140 / R-BMW-002-I	-
KE118M845 *	84,50	0,50	32,70	-5	0,60-	8,8:1	22	8450XX	355	1,M	W6611	005AX17140 / R-BMW-002-I	-
KE118M85 *	85,00	1,00	32,70	-5	0,60-	8,8:1	22	8500XX	360	1,M	W6611	005AX17140 / R-BMW-002-I	-

* Resleeving or replating may be required for oversizes!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B1490H(HX/0,025/0,25/0,50)	7M1532H(HX/0,025/0,25/0,50)	-	201-4302	201-6301	-
KING	CR6640XP	MB7039XP	-			
	CR6640XPC	MB7039XPC	-			

M52B28 as in 328i(E36)/528i(E39)/728i(E38)

OEM Engine details 2,8 Ltr 24V | Engine code:M52B28 | Bore:84,00 | • Displacement:2793 cc | • Stroke:84,00 | • Valves:24 | • Block Ht:210,00 | • Comp. Ratio:10,2:1 | • Head cc's:35,00 | • Gasket thickness:0,70/1,75 | • Rod Length:135,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE119M84	84,00	Std.	31,80	-23	1,20-	8,0:1	22	8400XX	287	1,M,R	C4328-027	005AX17135 / R-BMW-006-I	-
KE119M8425	84,25	0,25	31,80	-23	1,20-	8,0:1	22	8425XX	290	1,M,R	C4328-027	005AX17135 / R-BMW-006-I	-
KE119M845 *	84,50	0,50	31,80	-23	1,20-	8,0:1	22	8450XX	293	1,R	C4328-027	005AX17135 / R-BMW-006-I	-
KE119M85 *	85,00	1,00	31,80	-23	1,20-	8,0:1	22	8500XX	301	1,M,R	C4328-027	005AX17135 / R-BMW-006-I	-

* Resleeving or replating may be required for oversizes!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B1490H(HX/0,025/0,25/0,50)	7M1532H(HX/0,025/0,25/0,50)	-	-	-	201-5000
KING	CR6640XP	MB7039XP	-			
	CR6640XPC	MB7039XPC	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

COMPLEMENTARY PARTS

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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BMW/Mini PISTONS

COMPLEMENTARY PARTS

S50B30 Single Vanos as in M3(E36)

OEM Engine details 3,0 Ltr 24V | Engine code:S50B30 | Bore:86,00 | • Displacement:2990 cc | • Stroke:85,80 | • Valves:24 | • Block Ht:217,50 | • Comp. Ratio:10,8:1 | • Head cc's:32,00 | • Gasket thickness:1,75 | • Rod Length:142,30

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE121M86	86,00	Std.	31,60	-10	0,70-	9,5:1	21	8600XX	337	1,M	C4508-070/338081R	BM-S50-1-S-65602S-06 / R-BMW-005-I	C-BMW-005
KE121M8625	86,25	0,25	31,60	-10	0,70-	9,5:1	21	8625XX	340	1,M	C4508-070/338081R	BM-S50-1-S-65602S-06 / R-BMW-005-I	C-BMW-005
KE121M865	86,50	0,50	31,60	-10	0,70-	9,5:1	21	8650XX	344	1,M	C4508-070/338081R	BM-S50-1-S-65602S-06 / R-BMW-005-I	C-BMW-005
KE121M8675	86,75	0,75	31,60	-10	0,70-	9,5:1	21	8725XX	349	1,M	C4508-070/338081R	BM-S50-1-S-65602S-06 / R-BMW-005-I	C-BMW-005
KE120M86	86,00	Std.	32,61	-8	0,31	11,0:1	21	8600XX	329	1,R	C4508-070/338081R	BM-S50-1-S-65602H-06 / R-BMW-005-I	C-BMW-005
KE120M8625	86,25	0,25	32,61	-8	0,31	11,0:1	21	8625XX	333	1,R,M	C4508-070/338081R	BM-S50-1-S-65602H-06 / R-BMW-005-I	C-BMW-005
KE321M86	86,00	Std.	31,60	-0,7	0,70-	12,0:1	21	8600XX	300	1,F,M	C4508-070/338081R	BM-S50-1-S-65602H-06 / R-BMW-005-I	C-BMW-005
KE321M8625	86,25	0,25	31,60	-0,7	0,70-	12,0:1	21	8625XX	305	1,F,M	C4508-070/338081R	BM-S50-1-S-65602H-06 / R-BMW-005-I	C-BMW-005
KE321M865	86,50	0,50	31,60	-0,7	0,70-	12,0:1	21	8650XX	310	1,F,M	C4508-070/338081R	BM-S50-1-S-65602H-06 / R-BMW-005-I	C-BMW-005
KE321M8675	86,75	0,75	31,60	-0,7	0,70-	12,0:1	21	8675XX	313	1,F,M	C4508-070/338081R	BM-S50-1-S-65602H-06 / R-BMW-005-I	C-BMW-005

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
345622	86,00	Std.	31,62	-22,2	0,68-	9,0:1	21	JG1006-3386	317	4,F,M,PS,T	C4508-070/338081R	BM-S50-1-S-65602S-06 / R-BMW-005-I	C-BMW-005
361349	86,25	0,25	31,62	-22,5	0,68-	9,0:1	21	JG1006-3396	319	4,F,M,PS,T	C4508-070/338081R	BM-S50-1-S-65602S-06 / R-BMW-005-I	C-BMW-005
345623	86,50	0,50	31,62	-22,8	0,68-	9,0:1	21	JG1006-3405	321	4,M,F,T	C4508-070/338081R	BM-S50-1-S-65602S-06 / R-BMW-005-I	C-BMW-005
345624	86,00	Std.	31,62	-7,3	0,68-	11,5:1	21	JG1006-3386	329	4,F,M,PS,V	C4508-070/338081R	BM-S50-1-S-65602H-06 / R-BMW-005-I	C-BMW-005
361350	86,25	0,25	31,62	-7,5	0,68-	11,5:1	21	JG1006-3396	331	4,F,M,PS,V	C4508-070/338081R	BM-S50-1-S-65602S-06 / R-BMW-005-I	C-BMW-005
345625	86,50	0,50	31,62	-7,8	0,68-	11,5:1	21	JG1006-3405	333	4,F,M,PS,V	C4508-070/338081R	BM-S50-1-S-65602H-06 / R-BMW-005-I	C-BMW-005
345626	86,00	Std.	31,62	-3,2	0,68-	12,5:1	21	JG1006-3386	339	4,F,M,PS	C4508-070/338081R	BM-S50-1-S-65602H-06 / R-BMW-005-I	C-BMW-005
361351	86,25	0,25	31,62	-3,4	0,68-	12,5:1	21	JG1006-3396	341	4,F,M,PS	C4508-070/338081R	BM-S50-1-S-65602S-06 / R-BMW-005-I	C-BMW-005
345627	86,50	0,50	31,62	-3,6	0,68-	12,5:1	21	JG1006-3405	343	4,F,M,PS	C4508-070/338081R	BM-S50-1-S-65602H-06 / R-BMW-005-I	C-BMW-005

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B1515H(HX/0,025/0,25/)	7M1532H(HX/0,025/0,25/0,50)	-	201-4303	201-6102	-
KING	CR6854XP	MB7039XP	-			
	MB7039XPC	-	-			

S50B30US as in M3(E36)

OEM Engine details 3,0 Ltr 24V | Engine code:S50B30US | Bore:86,00 | • Displacement:2990 cc | • Stroke:85,80 | • Valves:24 | • Block Ht:210,80 | • Comp. Ratio:10,5:1 | • Head cc's:32,00 | • Gasket thickness:1,75 | • Rod Length:135,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
297179	86,00	Std.	32,80	-23,6	0,10-	9,0:1	22	JG1006-3386	297	M,PS,S,T	C4329-070	005AX17135 / R-BMW-006-I	-
297180	86,50	0,50	32,80	-24,2	0,10-	9,0:1	22	JG1006-3405	299	M,PS,S,T	C4329-070	005AX17135 / R-BMW-006-I	-
297181	86,00	Std.	32,80	-8,8	0,10-	11,5:1	22	JG1006-3386	300	M,PS,S,V	C4329-070	005AX17135 / R-BMW-006-I	-
361347	86,25	0,25	32,80		0,10-	11,5:1	22	JG1006-3396	301	M,PS,S,V	C4329-070	005AX17135 / R-BMW-006-I	-
297182	86,50	0,50	32,80	-9,3	0,10-	11,5:1	22	JG1006-3405	302	M,PS,S,V	C4329-070	005AX17135 / R-BMW-006-I	-
297183	86,00	Std.	32,80	-4,7	0,10-	12,5:1	22	JG1006-3386	304	M,PS,S	C4329-070	005AX17135 / R-BMW-006-I	-
361348	86,25	0,25	32,80		0,10-	12,5:1	22	JG1006-3396	301	M,PS,S,V	C4329-070	005AX17135 / R-BMW-006-I	-
297184	86,50	0,50	32,80	-5	0,10-	12,5:1	22	JG1006-3405	305	M,PS,S	C4329-070	005AX17135 / R-BMW-006-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B1490H(HX/0,025/0,25/0,50)	7M1532H(HX/0,025/0,25/0,50)	-	201-4302	201-6201	201-5000
KING	CR6640XP	MB7039XP	-			
	CR6640XPC	MB7039XPC	-			

M54B30 Double Vanos as in 330i(E46)/530i(E39/E60)/730i(E65)

OEM Engine details 3,0 Ltr 24V | Engine code:M54B30 | Bore:84,00 | • Displacement:2979 cc | • Stroke:89,60 | • Valves:24 | • Block Ht:210,80 | • Comp. Ratio:10,2:1 | • Head cc's:35,30 | • Gasket thickness:0,70 | • Rod Length:135,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE325M84	84,00	Std.	28,32	-7,3	2,68-	9,0:1	22	8400XX+GLS32	323	1,M,R	C4352-030	005AX17135 / R-BMW-006-I	-
KE325M8425	84,25	0,25	28,32	-7,3	2,68-	9,0:1	22	8425XX+GLS32	321	1,M,R	C4352-030	005AX17135 / R-BMW-006-I	-
KE325M845	84,50	0,50	28,32	-7,3	2,68-	9,0:1	22	8450XX+GLS32	320	1,M,R	C4352-030	005AX17135 / R-BMW-006-I	-
KE324M84	84,00	Std.	30,32	-7,3	0,68-	11,0:1	22	8400XX+GLS32	321	1,M,R	C4352-030	005AX17135 / R-BMW-006-I	-
KE324M8425	84,25	0,25	30,32	-7,3	0,68-	11,0:1	22	8425XX+GLS32	325	1,M,R	C4352-030	005AX17135 / R-BMW-006-I	-
KE324M845	84,50	0,50	30,32	-7,3	0,68-	11,0:1	22	8450XX+GLS32	329	1,M,R	C4352-030	005AX17135 / R-BMW-006-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B1490H(HX/0,025/0,25/0,50)	7M1532H(HX/0,025/0,25/0,50)		-	201-6303	-
KING	CR6640XP	MB7039XP				
	CR6640XPC	MB7039XPC	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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BMW/Mini PISTONS

COMPLEMENTARY PARTS

N54B30 as in 135i(E80)/335i(E90)/740i(F01)

OEM Engine details 3,0 Ltr 24V | Engine code:N54B30 | • Displacement:2979 cc | • Valves:24 | • Comp. Ratio:10,2:1 | • Head cc's:33.00 | • Gasket thickness:1,21 | • Rod Length:145,00

Bore:84,00 | • Stroke:89,60 | • Block Ht:221,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
338094	84,00	Std.	31,60	-21,3	0,10-	9,0:1	22	JG1006-3307	305	M,PS,S,T	C15257-048	BM_BN54_0HS_5709B6S-06 / BM5708-866 / R-BMW-018-1	-
338095	84,50	0,50	31,60	-22	0,10-	9,0:1	22	JG1006-3327	310	M,PS,S,T	C15257-048	BM_BN54_0HS_5709B6S-06 / BM5708-866 / R-BMW-018-1	-
361360	85,00	1,00	31,60	-22,7	0,10-	9,0:1	22	JG1006-3346	312	M,PS,S,T	C15257-048	BM_BN54_0HS_5709B6S-06 / BM5708-866 / R-BMW-018-1	-
367877	84,00	Std.	31,60	-21,3	0,10-	9.5:1	22	JG1006-3307	334	F,UL,T	C15257-048	BM_BN54_0HS_5709B6S-06 / BM5708-866 / R-BMW-018-1	-
367878	84,50	0,50	31,60	-22	0,10-	9.5:1	22	JG1006-3327	337	F,UL,T	C15257-048	BM_BN54_0HS_5709B6S-06 / BM5708-866 / R-BMW-018-1	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B1584H(HX/0,025/0,25)	-	-	-	-	-
KING	-	-	-			

N55B30 as in 335i(F30)/535i(F10)

OEM Engine details 3,0 Ltr 24V | Engine code:N55B30 | • Displacement:2979 cc | • Valves:24 | • Comp. Ratio:10,2:1 | • Head cc's:37,00 | • Gasket thickness:1,20 | • Rod Length:144,35

Bore:84,00 | • Stroke:89,60 | • Block Ht:221,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
338096	84,00	Std.	32,40	-14,7	0,05	9,5:1	22	JG1006-3307-AL	-	I,M,S,T,Z	WC15476-059	BM_BN55_0HS_5683B6S-06 / R-BMW-019-I	-
338097 *	84,50	0,50	32,40	-14,7	0,05	9,5:1	22	JG1006-3327-AL	-	I,M,S,T,Z	WC15476-059	BM_BN55_0HS_5683B6S-06 / R-BMW-019-I	-
367879	84,00	Std.	32,40	-14,7	0,05	9,5:1	22	JG1006-3307-AL	337	F,UL,T	WC15476-048	BM_BN55_0HS_5683B6S-06 / R-BMW-019-I	-
367880*	84,50	0,50	32,40	-14,7	0,05	9,5:1	22	JG1006-3327-AL	340	F,UL,T	WC15476-048	BM_BN55_0HS_5683B6S-06 / R-BMW-019-I	-

* Cylinder replating required for oversizes!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B1584H(HX/0,025/0,25)	-	-	-	-	-
KING	-	-	-			

S55B30 as in M3(F80)/M4(F82)

OEM Engine details 3,0 Ltr 24V | Engine code:S55B30 | • Displacement:2979 cc | • Valves:24 | • Comp. Ratio: 10,2:1 | • Head cc's:37,00 | • Gasket thickness:1,20 | • Rod Length:143,35 / 144,35

Bore:84,00 | • Stroke:89,60 | • Block Ht:221,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
369928C	84,00	Std.	31,55	-15,3	-	9,0:1	22	JXC0F6-3307-2	-	F,I,M	-	BM_BS55_0HS_5642B6S-06 / BM_BN55_0HS_5683B6S-06	-
362259C	84,00	Std.	31,55	-7,14	-	10,3:1	22	JXC0F6-3307-2	301	F,I,M	-	BM_BS55_0HS_5642B6S-06 / BM_BN55_0HS_5683B6S-06	-

* Cylinder replating required for oversizes!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B1584H(HX/0,025/0,25)	-	-	-	-	-
KING	-	-	-			

B58B30 as in 340i/Z4

OEM Engine details 3,0 Ltr 24V | Engine code:B58B30 | • Displacement:2998 cc | • Valves:24 | • Comp. Ratio: 11:1 | • Head cc's:N/A | • Gasket thickness:0,70 | • Rod Length:N/A

Bore:82,00 | • Stroke:94,60 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
TBA	82,00	Std.	-	-	-	-	-	-	-	F,T	-	-	-
TBA	82,50	0,50	-	-	-	-	-	-	-	F,T	-	-	-
TBA	83,00	1,00	-	-	-	-	-	-	-	F,T	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

BMW/Mini PISTONS

COMPLEMENTARY PARTS

S50B32 Double Vanos as in M3(E36)

OEM Engine details 3,2 Ltr 24V | Engine code:S50B32 | Bore:86,40 | • Displacement:3201 cc | • Stroke:91,00 | • Valves:24 | • Block Ht:216,00 | • Comp. Ratio:11,3:1 | • Head cc's:34,00 | • Gasket thickness:1,75 | • Rod Length:139,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE123M865	86,50	0,10	32,20	-29	0,70	8,8:1	21	8650XX	335	1,F,M	C4508-070/BM1011-071	BM-S50-1-S-65472S-06 / R-BMW-004H	C-BMW-006
KE123M8675	86,75	0,35	32,20	-29	0,70	8,8:1	21	8675XX	338	1,F,M	C4508-070/BM1011-071	BM-S50-1-S-65472S-06 / R-BMW-004H	C-BMW-006
KE123M87	87,00	0,60	32,20	-29	0,70	8,8:1	21	8700XX	340	1,F,M	C4508-070/BM1011-071	BM-S50-1-S-65472S-06 / R-BMW-004H	C-BMW-006
KE123M8725	87,25	0,85	32,20	-29	0,70	8,8:1	21	8725XX	344	1,F,M	C4508-070	BM-S50-1-S-65472S-06 / R-BMW-004H	C-BMW-006
KE122M865	86,50	0,10	32,20	-11,8	0,70	11,3:1	21	8650XX	337	1,F,M	C4508-070/BM1011-071	BM-S50-1-S-65472H-06 / R-BMW-004H	C-BMW-006
KE122M8675	86,75	0,35	32,20	-11,8	0,70	11,3:1	21	8675XX	342	1,F,M	C4508-070/BM1011-071	BM-S50-1-S-65472H-06 / R-BMW-004H	C-BMW-006
KE122M87	87,00	0,60	32,20	-11,8	0,70	11,3:1	21	8700XX	349	1,F,M	C4508-070/BM1011-071	BM-S50-1-S-65472H-06 / R-BMW-004H	C-BMW-006
KE122M8725	87,25	0,85	32,20	-11,8	0,70	11,3:1	21	8725XX	354	1,F,M	C4508-070	BM-S50-1-S-65472H-06 / R-BMW-004H	C-BMW-006

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
289074	86,50	0,10	32,30	-25,4	0,80	9,0:1	21	JG1006-3405	323	M,PS,R,T	C4508-070/BM1011-071	BM-S50-1-S-65472S-06 / R-BMW-004H	C-BMW-006
289075	87,00	0,60	32,30	-26	0,80	9,0:1	21	JG1006-3425	328	M,PS,R,T	C4508-070/BM1011-071	BM-S50-1-S-65472S-06 / R-BMW-004H	C-BMW-006
289076	86,50	0,10	32,30	-9,6	0,80	11,5:1	21	JG1006-3405	330	M,PS,R,V	C4508-070/BM1011-071	BM-S50-1-S-65472H-06 / R-BMW-004H	C-BMW-006
289077	87,00	0,60	32,30	-10,1	0,80	11,5:1	21	JG1006-3425	336	M,PS,R,V	C4508-070/BM1011-071	BM-S50-1-S-65472H-06 / R-BMW-004H	C-BMW-006
289078	86,50	0,10	32,30	-5,2	0,80	12,5:1	21	JG1006-3405	336	M,PS,R	C4508-070/BM1011-071	BM-S50-1-S-65472H-06 / R-BMW-004H	C-BMW-006
312383	86,75	0,35	32,30	-5,4	0,80	12,5:1	21	JG1006-3425	339	A,M,PS,R	C4508-070/BM1011-071	BM-S50-1-S-65472H-06 / R-BMW-004H	C-BMW-006
289079	87,00	0,60	32,30	-5,7	0,80	12,5:1	21	JG1006-3425	340	M,PS,R	C4508-070/BM1011-071	BM-S50-1-S-65472H-06 / R-BMW-004H	C-BMW-006
345628	86,50	0,10	32,30	-25,4	0,80	9,0:1	21	JG1006-3405	310	4,F,M,PS,T	C4508-070/BM1011-071	BM-S50-1-S-65472S-06 / R-BMW-004H	C-BMW-006
345629	87,00	0,60	32,30	-26	0,80	9,0:1	21	JG1006-3425	315	4,F,M,PS,T	C4508-070/BM1011-071	BM-S50-1-S-65472S-06 / R-BMW-004H	C-BMW-006
345630	86,50	0,10	32,30	-9,6	0,80	11,5:1	21	JG1006-3405	325	4,F,M,PS,V	C4508-070/BM1011-071	BM-S50-1-S-65472H-06 / R-BMW-004H	C-BMW-006
345631	87,00	0,60	32,30	-10,1	0,80	11,5:1	21	JG1006-3425	330	4,F,M,PS,V	C4508-070/BM1011-071	BM-S50-1-S-65472H-06 / R-BMW-004H	C-BMW-006
345632	86,50	0,10	32,30	-6,5	0,80	12,5:1	21	JG1006-3405	333	4,F,M,PS	C4508-070/BM1011-071	BM-S50-1-S-65472H-06 / R-BMW-004H	C-BMW-006
345633	87,00	0,60	32,30	-5,7	0,80	12,5:1	21	JG1006-3425	337	4,F,M,PS	C4508-070/BM1011-071	BM-S50-1-S-65472H-06 / R-BMW-004H	C-BMW-006

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B1497H(HX/0,025/0,25/)	7M1532H(HX/0,025/0,25/0,50)	-	201-4303	201-6102	-
KING	CR6853XP	MB7039XP	-			
	-	MB7039XPC	-			

S52B32US as in M3(E36)

OEM Engine details 3,2 Ltr 24V | Engine code:S52B32US | Bore:86,40 | • Displacement:3152 cc | • Stroke:89,60 | • Valves:24 | • Block Ht:210,00 | • Comp. Ratio:10,5:1 | • Head cc's:34,00 | • Gasket thickness:1,75 | • Rod Length:135,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
297170	86,50	0,10	31,00	-25,1	0,80	9,0:1	22	JG1006-3405	285	M,PS,S,T	C4329-070	005AX17135 / R-BMW-006-I	-
297171	87,00	0,60	31,00	-25,8	0,80	9,0:1	22	JG1006-3425	290	M,PS,S,T	C4329-070	005AX17135 / R-BMW-006-I	-
297172	86,50	0,10	31,00	-9,4	0,80	11,5:1	22	JG1006-3405	291	M,PS,S,V	C4329-070	005AX17135 / R-BMW-006-I	-
297173	87,00	0,60	31,00	-9,9	0,80	11,5:1	22	JG1006-3425	294	M,PS,S,V	C4329-070	005AX17135 / R-BMW-006-I	-
297174	86,50	0,10	31,00	-5	0,80	12,5:1	22	JG1006-3405	295	M,PS,S	C4329-070	005AX17135 / R-BMW-006-I	-
297175	87,00	0,60	31,00	-5,5	0,80	12,5:1	22	JG1006-3425	297	M,PS,S	C4329-070	005AX17135 / R-BMW-006-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B1490H(HX/0,025/0,25/0,50)	7M1532H(HX/0,025/0,25/0,50)	-	201-4302	201-6201	201-5000
KING	CR6640XP	MB7039XP	-			
	CR6640XPC	MB7039XPC	-			

S54B32 as in M3(E46)

OEM Engine details 3,2 Ltr 24V | Engine code:S54B32 | Bore:87,00 | • Displacement:3246 cc | • Stroke:91,00 | • Valves:24 | • Block Ht:217,00 | • Comp. Ratio:11,3:1 | • Head cc's:33,00 | • Gasket thickness:0,64 | • Rod Length:139,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE127M87	87,00	Std.	32,00	-27	0,50-	9,0:1	21	8700XX	353	1,R	C4505-027	BM5472-827 / R-BMW-012-I	-
KE127M8725	87,25	0,25	32,00	-27	0,50-	9,0:1	21	8725XX	347	1,M,R	C4505-027	BM5472-827 / R-BMW-012-I	-
KE127M875	87,50	0,50	32,00	-27	0,50-	9,0:1	21	8750XX	360	1,M,R	C4505-027	BM5472-827 / R-BMW-012-I	-
KE126M87	87,00	Std.	32,00	-14	0,50-	11,1:1	21	8700XX	370	1,M,R	C4505-027	R-BMW-012-I	-
KE126M8725	87,25	0,25	32,00	-14	0,50-	11,1:1	21	8725XX	367	1,M,R	C4505-027	R-BMW-012-I	-
KE126M875	87,50	0,50	32,00	-14	0,50-	11,1:1	21	8750XX	376	1,M,R	C4505-027	R-BMW-012-I	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
297115	87,00	Std,	32,30	-29,3	0,20-	9,0:1	21	JG-1006-3425	306	M,PS,S,T	C4505-027	BM5472-827 / R-BMW-012-I	-
297116	87,50	0,50	32,30	-30	0,20-	9,0:1	21	JG-1006-3445	308	M,PS,S,T	C4505-027	BM5472-827 / R-BMW-012-I	-
297117	87,00	Std,	32,30	-13,2	0,20-	11,5:1	21	JG-1006-3425	330	M,PS,S,V	C4505-027	R-BMW-012-I	-
297118	87,50	0,50	32,30	-13,8	0,20-	11,5:1	21	JG-1006-3445	332	M,PS,S,V	C4505-027	R-BMW-012-I	-
297119	87,00	Std,	32,30	-8,7	0,20-	12,5:1	21	JG-1006-3425	340	M,PS,S	C4505-027	R-BMW-012-I	-
297120	87,50	0,50	32,30	-9,2	0,20-	12,5:1	21	JG-1006-3445	342	M,PS,S	C4505-027	R-BMW-012-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B1569H(HX/0,025//0,25)	7M1532H(HX/0,025/0,25/0,50)	-	201-4303	201-6103	201-5002
KING	CR6877XP	MB7039XP	-			
	-	MB7039XPC	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

BMW/Mini PISTONS

COMPLEMENTARY PARTS

M30B35 as in 535i(E34) Alpina

OEM Engine details 3,5 Ltr 12V | Engine code:M30B35 | • Displacement:3430 cc | • Valves:12 | • Comp. Ratio:7,4:1 | • Head cc's:N/A | • Gasket thickness:1,72 | • Rod Length:135,00
Bore:92,00 | • Stroke:86,00 | • Block Ht:217,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
349868C	92,50	0,50	39,83	-15	0,33	8,3:1	22	JG1001-3642	434	I,M,S,T	H2333SP5070S	R-BMW-013-I	-
352815C	93,50	1,50	39,83	-16,8	0,33	8,3:1	22	JG1001-3681	439	M,S,T	H2333SP5070S	R-BMW-013-I	-
337727C	94,00	2,00	39,83	-16,8	0,33	8,0:1	22	JG1001-3701	445	I,M,S,T	H2333SP5070S	R-BMW-013-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

M30B35(M88/3)/S38B35 as in M635CSI(E24)

OEM Engine details 3,5 Ltr 12V | Engine code:M30B35(M88/3) | • Displacement:3453 cc | • Valves:24 | • Comp. Ratio:9,8:1/10,5:1 | • Head cc's:42,50 | • Gasket thickness:1,75 | • Rod Length:144,00
Bore:93,40 | • Stroke:84,00 | • Block Ht:217,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
351160C	93,50	0,10	32,00	-8,5	0,50	10,5:1	22	JG1001-3681	360	F,M	H2333SP6070S/330061R	BM-S38-S-65669S-06	-
349496C	94,00	0,60	32,00	-8,5	0,50	10,5:1	22	JG1001-3701	362	F,M	H2333SP6070S/330061R	BM-S38-S-65669S-06	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

S38B36 as in M5(E34)

OEM Engine details 3,6 Ltr 24V | Engine code:S38B36 | • Displacement:3535 cc | • Valves:24 | • Comp. Ratio:10,0:1 | • Head cc's:34,00 | • Gasket thickness:1,75 | • Rod Length:144,00
Bore:93,40 | • Stroke:86,00 | • Block Ht:217,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE240M94	94,00	0,60	30,22	-38	0,28-	8,0:1	22	9400XX	365	1	W6637	BM-S38-S-65669S-06 / R-BMW-001-I-6	-
KE240M9425	94,25	0,85	30,22	-38	0,28-	8,0:1	22	9425XX	368	1,M	W6637	BM-S38-S-65669S-06 / R-BMW-001-I-6	-
KE240M945	94,50	1,10	30,22	-38	0,28-	8,0:1	22	9450XX	372	1	W6637	BM-S38-S-65669S-06 / R-BMW-001-I-6	-
KE240M95	95,00	1,60	30,22	-38	0,28-	8,0:1	22	9500XX	375	1,M	W6637	BM-S38-S-65669S-06 / R-BMW-001-I-6	-
KE241M94	94,00	0,60	30,22	-24	0,28-	9,4:1	22	9400XX	398	1,M	W6637	BM-S38-S-65669S-06 / R-BMW-001-I-6	-
KE241M9425	94,25	0,85	30,22	-24	0,28-	9,4:1	22	9425XX	401	1,M	W6637	BM-S38-S-65669S-06 / R-BMW-001-I-6	-
KE241M945	94,50	1,10	30,22	-24	0,28-	9,4:1	22	9450XX	404	1,M	W6637	BM-S38-S-65669S-06 / R-BMW-001-I-6	-
KE241M95	95,00	1,60	30,22	-24	0,28-	9,4:1	22	9500XX	410	1,M	W6637	BM-S38-S-65669S-06 / R-BMW-001-I-6	-
KE242M94	94,00	0,60	30,22	-6	0,28-	12,0:1	22	9400XX	355	1,M	W6637	BM-S38-S-65669H-06 / R-BMW-001-I-6	-
KE242M9425	94,25	0,85	30,22	-6	0,28-	12,0:1	22	9425XX	356	1,M	W6637	BM-S38-S-65669H-06 / R-BMW-001-I-6	-
KE242M945	94,50	1,10	30,22	-6	0,28-	12,2:1	22	9450XX	358	1,M	W6637	BM-S38-S-65669H-06 / R-BMW-001-I-6	-
KE242M95	95,00	1,60	30,22	-6	0,28-	12,2:1	22	9500XX	362	1,M	W6637	BM-S38-S-65669H-06 / R-BMW-001-I-6	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1568H(HX/0,025/0,25)(1,5x)	-	-	201-4S38	201-6S38	201-5S38
KING	-	-	-			

S38B38 as in M5(E34)

OEM Engine details 3,8 Ltr 24V | Engine code:S38B38 | • Displacement:3795 cc | • Valves:24 | • Comp. Ratio:10,5:1 | • Head cc's:44,00 | • Gasket thickness:1,75 | • Rod Length:142,50
Bore:94,60 | • Stroke:90,00 | • Block Ht:217,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE244M95	95,00	0,40	30,66	-19	0,66	10,0:1	22	9500XX	334	1,F,M	W6637	R-BMW-009H	-
KE244M955	95,50	0,90	30,66	-19	0,66	10,0:1	22	9550XX	338	1,F,M	330017R	R-BMW-009H	-
KE343M95	95,00	0,40	30,66	-15	0,66	10,5:1	22	9500XX	371	1,F,M	W6637	R-BMW-009H	-
KE343M955	95,50	0,90	30,66	-15	0,66	10,5:1	22	9550XX	376	1,F,M	330017R	R-BMW-009H	-
KE344M95	95,00	0,40	30,66	-6	0,66	12,0:1	22	9500XX	388	1,F,M	W6637	R-BMW-009H	-
KE344M955	95,50	0,90	30,66	-6	0,66	12,0:1	22	9550XX	391	1,F,M	H1613SP2080S	R-BMW-009H	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
352747C	95,00	0,40	30,00	-13	0	10,5:1	22	9500XX	411	I,M,R	W6637	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	A531	-	-	201-4S38*	201-6S38	201-5S38
KING	-	-	-			

*does not fit M88 Head

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

BMW/Mini PISTONS

COMPLEMENTARY PARTS

S65B40 as in M3 (E90)

OEM Engine details 4,0 Ltr 32V | Engine code:S65B40 | • Displacement:3999 cc | • Valves:32 | • Comp. Ratio:12,0:1 | • Head cc's: 52,60 | • Gasket thickness:0,60 | • Rod Length:140,72

Bore:92,00 | • Stroke:75,20 | • Block Ht: 206,00

FSR C/R calculated with 1,22 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
357297C	92,00	Std.	27,51	4,65	0,17-	10,0:1	21	9200XX	374	F,I,M,N,T	C5111-027	BM-S65>-65540S-08 / R-BMW-014-I	-
TBA	92,00	Std.	27,40	-	0,28-	10,5:1	-	JG1008-3622	-	F,T,V	C5111-045	-	-
TBA	92,50	0,50	27,40	-	0,28-	10,5:1	-	JG1008-3642	-	F,T,V	C5111-045	-	-
364990C	92,00	Std.	27,48	12,35	0,20-	12,0:1	21	9200XX	353	F,I,M,N	C5111-027	BM-S65>-65540S-08 / R-BMW-014-I	
TBA	92,00	Std.	27,40	11	0,28-	12,0:1	-	JG1008-3622	-	F,T,V	C5111-045	-	-
369587C/369588C	92,50	0,50	27,48	11,55	0,20-	12,0:1	21	9250XX-COATED	359	I,M,N,Z	C5111-027	BM-S65>-65540S-08 / R-BMW-014-I	
TBA	92,50	0,50	27,40	11	0,28-	12,0:1	-	JG1008-3642	-	F,T,V	C5111-045	-	-
TBA	92,00	Std.	27,40	-	0,28-	13,5:1	-	JG1008-3622	-	F,T,V	C5111-045	-	-
TBA	92,50	0,50	27,40	-	0,28-	13,5:1	-	JG1008-3642	-	F,T,V	C5111-045	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	8B1580H(HX/0,025/0,25)	-	-	201-4307	201-6001	-
KING	-	MB5803XP	-			

M62B44 as in 7 series (E39)

OEM Engine details 4,4 Ltr 32V | Engine code:M62B44 | • Displacement:4398 cc | • Valves:32 | • Comp. Ratio:10,0:1 | • Head cc's: N/A | • Gasket thickness:1,74 | • Rod Length:143,00

Bore:92,00 | • Stroke:82,70 | • Block Ht: -

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
357355C	92,00	Std.	31,00	-5.01	0	8,5:1	22	JG1001-3622	350	F,I,M	330027R(left) / 330026R(right)	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	201-6302	-
KING	-	-	-			

S63B44B as in M5 (F10)

OEM Engine details 4,4 Ltr 32V | Engine code:S63B44B | • Displacement:4395 cc | • Valves:32 | • Comp. Ratio:10,0:1 | • Head cc's: 44,00 | • Gasket thickness:0,75 | • Rod Length:138,50

Bore:89,00 | • Stroke:88,30 | • Block Ht: 215,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
360964C	89,00	Std.	32,00	-14,2	0,35-	9,3:1	22	JG1001-3543	347	I,M,S,	C15475-040 / 330073R(2x)	BM_BS63_2HS_5453B6S-08	-
358161C	90,00	1,00	32,00	-13,5	0,35-	9,3:1	22	JG1001-3543	371	I,F,M	C15475-040 / 330073R(2x)	BM_BS63_2HS_5453B6S-08	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	8B1580H(HX/0,025/0,25)(1,5x)	-	-	-	-	-
KING	-	-	-			





When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Chrysler/Dodge PISTONS

COMPLEMENTARY PARTS

Neon 1994-01

OEM Engine details 2,0 Ltr 16V | Engine code:ECB/ECC/420A | • Displacement:1996 cc | • Valves:16 | • Comp. Ratio:9,8:1 | • Head cc's:52,00 | • Gasket thickness:1,00 | • Rod Length:139,00
Bore:87,50 | • Stroke:83,00 | • Block Ht:212,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K580M875	87,50	Std.	31,40	-5	0,10-	8,8:1	21	8750XX	331	1	W6168	-	-
K580M88	88,00	0,50	31,40	-5	0,10-	8,8:1	21	8800XX	339	1	C5498-040	-	-
K580M885	88,50	1,00	31,40	-5	0,10-	8,8:1	21	8850XX	347	1	C5498-040	-	-
K581M875	87,50	Std.	31,40	5	0,10-	10,5:1	21	8750XX	334	1	W6168	-	-
K581M88	88,00	0,50	31,40	5	0,10-	10,5:1	21	8800XX	341	1	C5498-040	-	-
K581M885	88,50	1,00	31,40	5	0,10-	10,5:1	21	8850XX	349	1,M	C5498-040	-	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
296935	88,00	0,50	31,40	-7	0,10-	8,5:1	21	JG1004-3465	324	S,T	C5498-040	-	-
296936	88,50	1,00	31,40	-7,7	0,10-	8,5:1	21	JG1004-3484	326	S,T	C5498-040	-	-
242870	88,00	0,50	31,40	8	0,10-	10,5:1	21	JG1004-3465	347	PS,R,V	C5498-040	-	-
242871	88,50	1,00	31,40	7,6	0,10-	10,5:1	21	JG1004-3484	351	PS,R,V	C5498-040	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	141-5801
KING	-	-	-			

Neon 2003-Up/PT Cruiser GT

OEM Engine details 2,4 Ltr 16V | Engine code:SRT-4/A853 | • Displacement:2429 cc | • Valves:16 | • Comp. Ratio:8,0:1 | • Head cc's:50,00 | • Gasket thickness:1,00 | • Rod Length:151,00
Bore:87,50 | • Stroke:101,00 | • Block Ht:238,10

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K679M875AP	87,50	Std.	36,69	-22	0,09	8,0:1	22	8750XX	-	1,S	C4548-040	-	
K679M88AP	88,00	0,50	36,69	-22	0,09	8,0:1	22	8800XX	-	1,S	C4549-040	-	
K562M875	87,50	Std.	35,56	-17	1,04-	8,8:1	22	8750XX	356	1	C4548-040	-	
K562M88	88,00	0,50	35,56	-17	1,04-	8,8:1	22	8800XX	365	1	C4549-040	-	

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
296901	87,50	Std.	36,37	-22,4	0,23-	8,5:1	22	JG1004-3445	324	PS,S,T	C4548-040	-	-
296902	88,00	0,50	36,37	-23	0,23-	8,5:1	22	JG1004-3465	326	PS,S,T	C4549-040	-	-
299205	88,50	1,00	36,37	-24	0,23-	8,5:1	22	JG1004-3484	328	PS,S,T	C4549-040	-	-
367882	87,50	Std.	36,37	-17,3	0,23-	9,0:1	22	JG1004-3445	350	F,UL,T	C4548-040	-	-
367883	88,00	0,50	36,37	-18,1	0,23-	9,0:1	22	JG1004-3465	353	F,UL,T	C4549-040	-	-
367884	88,50	1,00	36,37	-18,8	0,23-	9,0:1	22	JG1004-3484	355	F,UL,T	C4549-040	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

6G72T as in Stealth

OEM Engine details 3,0 Ltr 24V | Engine code:6G72T | • Displacement:2972 cc | • Valves:24 | • Comp. Ratio:8,0:1 | • Head cc's:48,00 | • Gasket thickness:1,27 | • Rod Length:141,00
Bore:91,10 | • Stroke:76,00 | • Block Ht:211,15

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K570M915	91,50	0,40	31,75	-14	0,40-	7,8:1	22	9150XX	343	1	C4243-051(2x)	MI-3.0-S-65551H-06	-
K570M92	92,00	0,90	31,75	-14	0,40-	7,9:1	22	9200XX	355	1	C4243-051(2x)	MI-3.0-S-65551H-06	-
K570M925	92,50	1,40	31,75	-14	0,40-	7,9:1	22	9250XX	362	1,M	C4243-051(2x)	MI-3.0-S-65551H-06	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
321330	91,10	Std.	31,50	-15,5	0,65-	8.0:1	22	JC2206-3587	342	F,M,T	C4243-051(2x)	MI-3.0-S-65551H-06	-
321331	91,50	0,40	31,50	-15,8	0,65-	8.0:1	22	JG1006-3602	345	F,M,T	C4243-051(2x)	MI-3.0-S-65551H-06	-
321332	92,00	0,90	31,50	-16,5	0,65-	8.0:1	22	JG1006-3622	347	F,M,T	C4243-051(2x)	MI-3.0-S-65551H-06	-
321333	91,10	Std.	31,50	-6,5	0,65-	9.0:1	22	JC2206-3587	355	F,M,T	C4243-051(2x)	MI-3.0-S-65551H-06	-
321334	91,50	0,40	31,50	-6,9	0,65-	9.0:1	22	JG1006-3602	357	F,M,T	C4243-051(2x)	MI-3.0-S-65551H-06	-
321335	92,00	0,90	31,50	-7,5	0,65-	9.0:1	22	JG1006-3622	359	F,M,T	C4243-051(2x)	MI-3.0-S-65551H-06	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	207-4205	107-6004	207-5801
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Ferrari PISTONS

COMPLEMENTARY PARTS

V6 as in 246 Dino

OEM Engine details 2,4 Ltr 12V | Engine code: | • Displacement: 2419cc | • Valves:12 | • Comp. Ratio: 9,0:1 | • Head cc's:50,4 | • Gasket thickness: N/A | • Rod Length: 118,00mm
Bore:93,00 | • Stroke:60,00 | • Block Ht: N/A

C/R with 1,35mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
362209	93,00	0,50	30,00	12,8	-	9.0:1	20	JG1006-3661	398	M,PS,R	-	-	-
362210	93,50	1,00	30,00	12,4	-	9.0:1	20	JG1006-3681	400	M,PS,R	-	-	-
362211	94,00	1,50	30,00	12	-	9.0:1	20	JG1006-3701	404	M,PS,R	-	-	-
362212	93,00	0,50	30,00	18,5	-	10.0:1	20	JG1006-3661	411	M,PS,R	-	-	-
362213	93,50	1,00	30,00	18,1	-	10.0:1	20	JG1006-3681	414	M,PS,R	-	-	-
362214	94,00	1,50	30,00	17,7	-	10.0:1	20	JG1006-3701	418	M,PS,R	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

V8 as in 308 GTB/GTS

OEM Engine details 3,0 Ltr 16V | Engine code: F106AB | • Displacement:2926 cc | • Valves:16 | • Comp. Ratio:8,8:1 | • Head cc's:41,00 | • Gasket thickness:1,60 | • Rod Length:137,00
Bore:81,00 | • Stroke:71,00 | • Block Ht:204,50

C/R with 1,14mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
362220	81,50	0,50	30,70	7,8	1,30-	9.0:1	18,5	JG1001-3209	300	M,PS,R	C4430-045	FE-328-S-65394S-08	-
362221	82,00	1,00	30,70	7,5	1,30-	9.0:1	18,5	JG1001-3228	304	M,PS,R	C4430-045	FE-328-S-65394S-08	-
362222	81,50	0,50	30,70	13,0	1,30-	10.0:1	18,5	JG1001-3209	312	M,PS,R	C4430-045	FE-328-S-65394S-08	-
362223	82,00	1,00	30,70	12,6	1,30-	10.0:1	18,5	JG1001-3228	314	M,PS,R	C4430-045	FE-328-S-65394S-08	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

V8 as in 308 GTB/GTS QV

OEM Engine details 3,0 Ltr 32V | Engine code:F105AB QV | • Displacement:2926 cc | • Valves:32 | • Comp. Ratio:8,6:1 | • Head cc's:18,50 | • Gasket thickness:1,60 | • Rod Length:137,00
Bore:81,00 | • Stroke:71,00 | • Block Ht:204,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE136M815	81,50	0,50	30,38	-11	1,62-	9,0:1	18,5	3208XC	-	M	-	FE-328-S-65394S-08	-
KE136M82	82,00	1,00	30,38	-11	1,62-	9,0:1	18,5	3228XC	-	M	-	FE-328-S-65394S-08	-

C/R with 1,14mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
351691C	82,00	1,00	30,73	-12,7	1,27-	8,6:1	18,5	JG1001-3228	299	F,M	-	FE-328-S-65394S-08	-
362224	81,50	0,50	30,70	-12,0	1,30-	9.5:1*	18,5	JG1001-3209	-	M,PS,R	C4428-045	FE-328-S-65394S-08	-
362225	82,00	1,00	30,70	-12,3	1,30-	9.5:1*	18,5	JG1001-3228	-	M,PS,R	C4428-045	FE-328-S-65394S-08	-
362226	81,50	0,50	30,70	-9,5	1,30-	10.0:1*	18,5	JG1001-3209	-	M,PS,R	C4428-045	FE-328-S-65394S-08	-
362227	82,00	1,00	30,70	-9,8	1,30-	10.0:1*	18,5	JG1001-3228	-	M,PS,R	C4428-045	FE-328-S-65394S-08	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

V12 as is 250 GT

OEM Engine details 3,0 Ltr 12V | Engine code:250 | • Displacement:2953 cc | • Valves:12 | • Comp. Ratio:9,1:1 | • Head cc's:N/A | • Gasket thickness:N/A | • Rod Length:112,00
Bore:73,00 | • Stroke:58,80 | • Block Ht:N/A

C/R with 1,02 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
362215	73,50	0,50	28,90	22,3	-	44	17	XC7350	235	M,PS,R	-	FE-25-S-54409S-12	-
362216	74,00	1,00	28,90	22,0	-	44	17	XC7400	235	M,PS,R	-	FE-25-S-54409S-12	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

V12 as is 275 GTB/4

OEM Engine details 3,3 Ltr 24V | Engine code:275 | • Displacement:3286 cc | • Valves:24 | • Comp. Ratio:9,2:1 | • Head cc's:N/A | • Gasket thickness:N/A | • Rod Length:112,00
Bore:77,00 | • Stroke:58,80 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE134M77	77,00	Std.	27,81	13	-	10,5:1	17	7700XX	278	M	H2092SPA043F	FE-25-S-54409S-12	-
KE134M775	77,50	0,50	27,81	13	-	10,5:1	17	7750XX	282	M	H2092SPA043F	FE-25-S-54409S-12	-
KE134M78	78,00	1,00	27,81	13	-	10,5:1	17	3071XC	287	M	H2092SPA043F	FE-25-S-54409S-12	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Ferrari PISTONS

V12 as in 330GTC/GTS/GT

OEM Engine details 4,0 Ltr 24V | Engine code:330 | • Displacement:3967 cc | • Valves:24 | • Comp. Ratio:8,8:1 | • Head cc's:N/A | • Gasket thickness:N/A | • Rod Length:137,00
Bore:77,00 | • Stroke:71,00 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K501M775	77,50	0,50	29,90	21,2	-	-	18,5	3051XC	-	M	-	FE-328-S-65394S-12	-
K501M78	78,00	1,00	29,90	21,2	-	-	18,5	3071XC	-	M	-	FE-328-S-65394S-12	-

C/R with 1,27 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
362228	77,50	0,50	29,90	15,4	-	9.0:1	18,5	JG1001-3051	266	M,PS,R	-	FE-328-S-65394S-12	-
362229	78,00	1,00	29,90	15,0	-	9.0:1	18,5	JG1001-3071	268	M,PS,R	-	FE-328-S-65394S-12	-
362230	77,50	0,50	29,90	20,1	-	10.0:1	18,5	JG1001-3051	280	M,PS,R	-	FE-328-S-65394S-12	-
362231	78,00	1,00	29,90	19,8	-	10.0:1	18,5	JG1001-3071	282	M,PS,R	-	FE-328-S-65394S-12	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

V12 as in 365 GTB-4/Daytona

OEM Engine details 4,4 Ltr 24V | Engine code:F251 | • Displacement:4390 cc | • Valves:24 | • Comp. Ratio:9,3:1 | • Head cc's:N/A | • Gasket thickness:N/A | • Rod Length:137,00
Bore:81,00 | • Stroke:71,00 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE135M815	81,50	0,50	30,76	17	-	10,5:1	18,5	3208XC	-	M	-	FE-328-S-65394S-12	-
KE135M82	82,00	1,00	30,76	17	-	10,5:1	18,5	3228XC	-	M	-	FE-328-S-65394S-12	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
332320C	81,50	0,50	31,24	7,3	-	9,8:1	18,5	JG1001-3208	282	M	-	FE-328-S-65394S-12	-

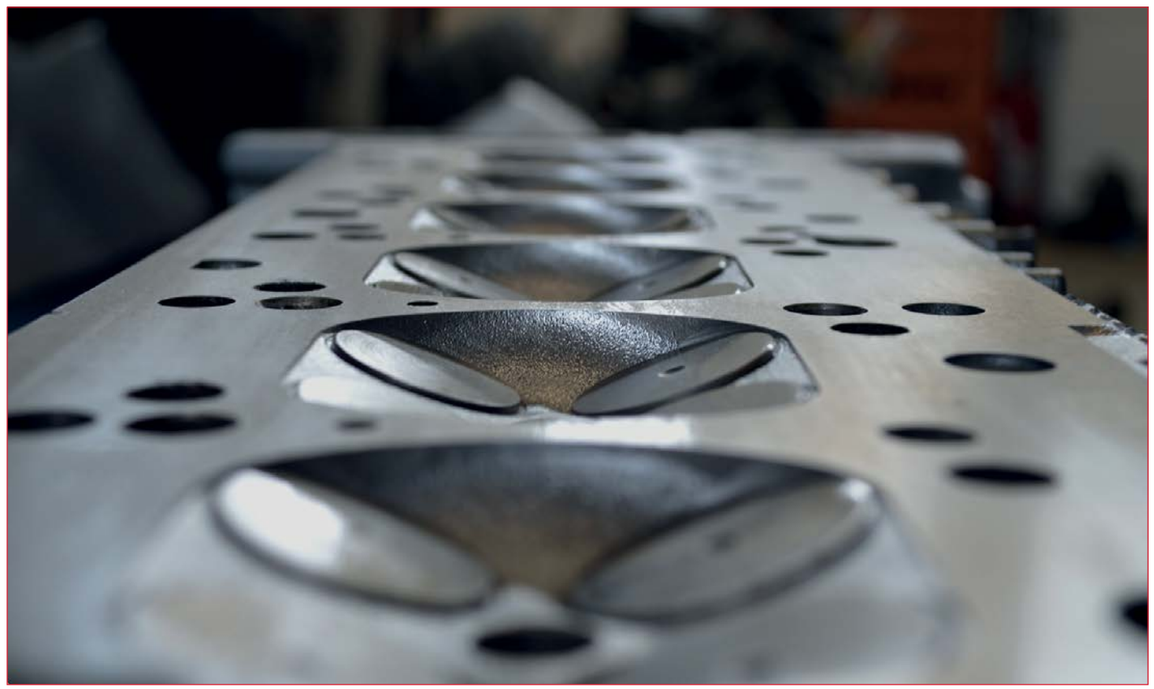
Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

Flat12 as in Testarossa/512TR

OEM Engine details 5,0 Ltr 48V | Engine code:F113 A000 | • Displacement:4942 cc | • Valves:48 | • Comp. Ratio:9,3:1 | • Head cc's:N/A | • Gasket thickness:N/A | • Rod Length:N/A
Bore:82,00 | • Stroke:78,00 | • Block Ht:N/A

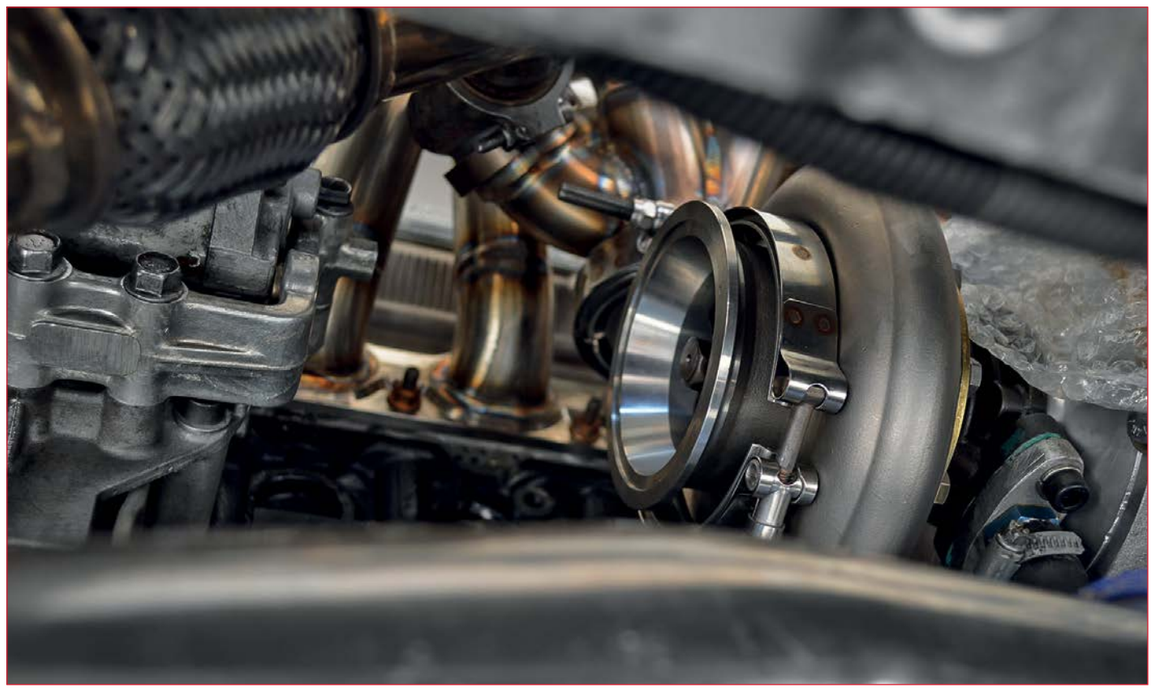
Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE137M82	82,00	Std.	30,38	-11	-	-	18,5	3208XC	-	M	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			



When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

COMPLEMENTARY PARTS



Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Fiat/Lancia PISTONS

COMPLEMENTARY PARTS

Uno Turbo

OEM Engine details 1,4 Ltr 8V | Engine code:146A8(M603BT13,0) | • Displacement:1372 cc | • Valves:8 | • Comp. Ratio:7,8:1 | • Head cc's:0 | • Gasket thickness:1,74 | • Rod Length:128,50
Bore:80,50 | • Stroke:67,40 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE139M805	80,50	Std.	33,30	-10	-	7,8:1	22	3169XC	316	1,M,R	FT1002-067	R-FIA-001-I	-
KE139M81	81,00	0,50	33,30	-10	-	7,8:1	22	8100XX	320	1,R	FT1002-067	R-FIA-001-I	-
KE139M8125	81,25	0,75	33,30	-10	-	7,8:1	22	8125XX	322	1,M,R	FT1002-067	R-FIA-001-I	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
312397	80,50	Std.	33,30	-6,4	-	7,8:1	22	XC8050	285	M,S,T	FT1002-067	R-FIA-001-I	-
312398	81,00	0,50	33,30	-6,4	-	7,8:1	22	JG1004-3189	291	M,S,T	FT1002-067	R-FIA-001-I	-
312399	81,50	1,00	33,30	-6,4	-	7,8:1	22	JG1004-3209	296	M,S,T	FT1002-067	R-FIA-001-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

Uno Turbo/Punto GT

OEM Engine details 1,4 Ltr 8V | Engine code:176A4(M603FT13) | • Displacement:1372 cc | • Valves:8 | • Comp. Ratio:7,8:1 | • Head cc's:N/A | • Gasket thickness:1,74 | • Rod Length:128,50
Bore:80,50 | • Stroke:67,40 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE220M805	80,50	Std.	34,15	-10	-	7,8:1	22	3169XC	318	1,M,R	FT1002-067	R-FIA-001-I	-
KE220M81	81,00	0,50	34,15	-10	-	7,8:1	22	8100XX	322	1,M,R	FT1002-067	R-FIA-001-I	-
KE220M8125	81,25	0,75	34,15	-10	-	7,8:1	22	8125XX	324	1,M,R	FT1002-067	R-FIA-001-I	-
KE220M815	81,50	1,00	34,15	-10	-	7,8:1	22	8150XX	328	1,M,R	FT1002-067	R-FIA-001-I	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
312400	80,50	Std.	34,15	-3,7	-	7,8:1	22	XC8050	285	M,S,T	FT1002-051	R-FIA-001-I	-
312401	81,00	0,50	34,15	-3,7	-	7,8:1	22	JG1004-3189	292	M,S,T	FT1002-051	R-FIA-001-I	-
312402	81,50	1,00	34,15	-3,7	-	7,8:1	22	JG1004-3209	297	M,S,T	FT1002-051	R-FIA-001-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

500 Abarth & Grande Punto

OEM Engine details 1,4 Ltr 16V | Engine code:312A1/198A4000 | • Displacement:1368 cc | • Valves:16 | • Comp. Ratio:9,8:1 | • Head cc's:14,30 | • Gasket thickness:0,82 | • Rod Length:129,00
Bore:72,00 | • Stroke:84,00 | • Block Ht:198,00

C/R with 0,82mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
315366	72,00	Std.	26,77	-19,5	0,33-	9,8:1	18	XC7200	198	M,R	338434R	FI_B14T_0HS_5079B8H-04 / R–FIA-003-I	-
315367	72,50	0,50	26,77	-19,5	0,33-	9,8:1	18	JC4704-2855	202	M,R	338434R	FI_B14T_0HS_5079B8H-04 / R–FIA-003-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	275-4FA5	-	203-4204
KING	-	-	-			

Punto GT Turbo

OEM Engine details 1,6 Ltr 8V | Engine code:159A3 | • Displacement:1581 cc | • Valves:8 | • Comp. Ratio:9,2:1 | • Head cc's:N/A | • Gasket thickness:1,74 | • Rod Length:128,50
Bore:86,40 | • Stroke:67,40 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
312394	86,40	Std.	33,30	-4,4	-	9,2:1	22	JG1004-3405	322	M,S,B,T	FT1006-067	R-FIA-001H / R-FIA-001I	C-FIA-002L
312395	87,00	0,60	33,30	-4,4	-	9,2:1	22	JG1004-3425	328	M,S,T	FT1006-067	R-FIA-001H / R-FIA-001I	C-FIA-002L
312396	87,50	1,10	33,30	-4,4	-	9,2:1	22	JG1004-3445	332	M,S,T	FT1006-067	R-FIA-001H / R-FIA-001I	C-FIA-002L

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Fiat/Lancia PISTONS

Bravo HGT turbo conversion/Coupé Turbo 20 Valve

OEM Engine details 2,0 Ltr 20V | Engine code:175A3/182A1 | • Displacement:1996 cc | • Valves:20 | • Comp. Ratio:8,5:1/10,0:1 | • Head cc's:42,70 | • Gasket thickness:1,74 | • Rod Length:145,00
Bore:82,00 | • Stroke:75,60 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE140M82	82,00	Std.	32,90	-25	-	7,0:1	22	8200XX	306	1,B,M,P,R	-	R-FIA-002H / R-FIA-002-I	-
KE140M825	82,50	0,50	32,90	-25	-	7,0:1	22	8250XX	310	1,B,M,P,R	-	R-FIA-002H / R-FIA-002-I	-
KE140M83	83,00	1,00	32,90	-25	-	7,0:1	22	8300XX	314	1,B,M,P,R	-	R-FIA-002H / R-FIA-002-I	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
312403	82,00	Std.	32,80	-8	-	8,0:1	22	JG1005-3228	294	M,P,S,T	-	R-FIA-002H / R-FIA-002-I	-
312404	82,50	0,50	32,80	-8	-	8,0:1	22	JG1005-3228	300	M,P,S,T	-	R-FIA-002H / R-FIA-002-I	-
312405	83,00	1,00	32,80	-8	-	8,0:1	22	JG1005-3228	305	M,P,S,T	-	R-FIA-002H / R-FIA-002-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

Coupe/Tipo 160

OEM Engine details 2,0 Ltr 16V | Engine code:836A3 | • Displacement:1995 cc | • Valves:16 | • Comp. Ratio:10,5:1 | • Head cc's:41,50 | • Gasket thickness:1,74 | • Rod Length:145,00
Bore:84,00 | • Stroke:90,00 | • Block Ht:230,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE141M84	84,00	Std.	39,75	4,5	0,25-	12,0:1	22	8400XX	-	1,M	C4124-070	-	-
KE141M845	84,50	0,50	39,75	4,5	0,25-	12,0:1	22	8450XX	434	1,M	C4124-070	-	-
KE141M85	85,00	1,00	39,75	4,5	0,25-	12,0:1	22	8500XX	-	1,M	C4124-070	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

Lancia Delta HF Integrale 8V

OEM Engine details 2,0 Ltr 8V | Engine code:831B5/C5 | • Displacement:1995 cc | • Valves:8 | • Comp. Ratio:7,5:1 | • Head cc's:50,50 | • Gasket thickness:1,74 | • Rod Length:145,00
Bore:84,00 | • Stroke:90,00 | • Block Ht:229,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE217M84	84,00	Std.	38,94	-11	0,06-	7,5:1	22	8400XX	-	1,M,R	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
KE217M8425	84,25	0,25	38,94	-11	0,06-	7,5:1	22	8425XX	-	1,M,R	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
KE217M845	84,50	0,50	38,94	-11	0,06-	7,5:1	22	8450XX	402	1,M,R	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
KE217M8525	85,25	1,25	38,94	-11	0,06-	7,5:1	22	8525XX	-	1,M,R	FT1005-063/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
KE217M855	85,50	1,50	38,94	-11	0,06-	7,5:1	22	8550XX	-	1,M,R	FT1005-063	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
KE217M85	85,00	1,00	38,94	-11	0,06-	7,5:1	22	8500XX	409	1,M,R	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	275-4L8V	275-6001	-
KING	-	-	-			



When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

COMPLEMENTARY PARTS



Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Fiat/Lancia PISTONS

COMPLEMENTARY PARTS

Lancia Delta HF Integrale 16V/Fiat Coupé turbo 16V

OEM Engine details 2,0 Ltr 16V | Engine code:831D5-E5/175A1/AR67203 | • Displacement:1995 cc | • Valves:16 | • Comp. Ratio:8,0:1 | • Head cc's:42,70 | • Gasket thickness:1,74 | • Rod Length:145,00

Bore:84,00 | • Stroke:90,00 | • Block Ht:229,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE218M84	84,00	Std.	38,94	-20,5	0,06-	7,5:1	22	8400XX	374	1,R	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
KE218M8425	84,25	0,25	38,94	-20,5	0,06-	7,5:1	22	8425XX	380	1,M,R	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
KE218M845	84,50	0,50	38,94	-20,5	0,06-	7,5:1	22	8450XX	388	1,R	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
KE218M85	85,00	1,00	38,94	-20,5	0,06-	7,5:1	22	8500XX	392	1,M,R	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
KE218M8525	85,25	1,25	38,94	-20,5	0,06-	7,5:1	22	8525XX	394	1,M,R	FT1003-063/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
KE218M855	85,50	1,50	38,94	-20,5	0,06-	7,5:1	22	8550XX	396	1,M,R	FT1005-063/338397R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
KE219M84	84,00	Std.	38,94	-10	0,06-	8,5:1	22	8400XX	383	1,M,R	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
KE219M8425	84,25	0,25	38,94	-10	0,06-	8,5:1	22	8425XX	386	1,M,R	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
KE219M845	84,50	0,50	38,94	-10	0,06-	8,5:1	22	8450XX	388	1,R	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
KE219M85	85,00	1,00	38,94	-10	0,06-	8,5:1	22	8500XX	392	1,M,R	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
KE219M8525	85,25	1,25	38,94	-10	0,06-	8,5:1	22	8525XX	394	1,M,R	FT1003-063/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
KE219M855	85,50	1,50	38,94	-10	0,06-	8,5:1	22	8550XX	396	1,R	FT1005-063/338397R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
312418	84,00	Std.	39,65	-25,3	0,65	8,0:1	22	JG1004-3307	338	M,PS,S,T	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
312419	84,20	0,20	39,65	-25,3	0,65	8,0:1	22	JG1004-3327	339	A,M,PS,S,T	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
312420	84,40	0,40	39,65	-25,3	0,65	8,0:1	22	JG1004-3327	341	A,M,PS,S,T	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
312421	84,60	0,60	39,65	-25,3	0,65	8,0:1	22	JG1004-3346	343	A,M,PS,S,T	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
312422	84,80	0,80	39,65	-25,3	0,65	8,0:1	22	JG1004-3346	344	A,M,PS,S,T	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
351873	85,00	1,00	39,65	-25,3	0,65	8,0:1	22	JG1004-3346	347	M,PS,S,T	FT1003-063	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
326411	84,00	Std.	39,65	-13,5	0,65	9,0:1	22	JG1004-3307	353	M,PS,S,T	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
326412	84,20	0,20	39,65	-13,8	0,65	9,0:1	22	JG1004-3327	355	A,M,PS,S,T	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
326413	84,40	0,40	39,65	-14,0	0,65	9,0:1	22	JG1004-3327	357	A,M,PS,S,T	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
326414	84,60	0,60	39,65	-14,3	0,65	9,0:1	22	JG1004-3346	359	A,M,PS,S,T	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
326415	84,80	0,80	39,65	-14,6	0,65	9,0:1	22	JG1004-3346	361	A,M,PS,S,T	C4124-070/338458R	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L
351874	85,00	1,00	39,65	-14,6	0,65	9,0:1	22	JG1004-3346	363	M,PS,S,T	FT1003-063	010ED17145 / R-LAN-001-H / R-LAN-001-I	C-LAN-001L

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B2904H(HX/0,025/0,25)	5M2908H(HX/0,025/0,25)	-	275-4701	275-6001	175-5401
KING	CR4601XP	MB5730XP	-			

Ford

1,6L 8V Twin Cam as in Kent/Cortina

OEM Engine details 1,6 Ltr 8V | Engine code:116E | • Displacement:1558 cc | • Valves:8 | • Comp. Ratio:9,5:1/10,3:1 | • Head cc's:36,70 | • Gasket thickness:1,00 | • Rod Length:121,92

Bore:82,55 | • Stroke:72,75 | • Block Ht:197,61

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
339325C-83	83,00	0,45	37,85	8,25	0,80-	11,2:1	20,63	JG1001-3268	-	M,R	C4133-040	F-105-S-64826H-04*	-
339325C-835	83,50	0,95	37,85	8,25	0,80-	11,3:1	20,63	JG1001-3287	-	M,R	C4133-040	F-105-S-64826H-04*	-
339325C	84,00	1,45	37,85	8,25	0,80-	11,4:1	20,63	JXC0F4-3307-2	362	M,R	C4133-040	F-105-S-64826H-04*	-
339325C-85	85,00	2,45	37,85	8,25	0,80-	11,6:1	20,63	JG1001-3346	-	M,N,R	C4133-040	F-105-S-64826H-04*	-
C/R with 42,60cc head, and OE rod lenght													
252098C-83	83,00	0,45	39,10	13,5	0,22-	11,7:1	20,63	JG1001-3268	-	M,R	C4133-040	-	-
252098C-835	83,50	0,95	39,10	13,5	0,22-	12,0:1	20,63	JG1001-3287	-	M,R	C4133-040	-	-
252098C	84,00	1,45	39,10	13,5	0,22-	12,2:1	20,63	JG1001-3307	369	M,R	C4133-040	-	-
252098C-85	85,00	2,45	39,10	13,5	0,22-	12,4:1	20,63	JG1001-3346	-	M,N,R	C4133-040	-	-
												*Note: Rod is 122,58mm	

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B603H(HX/0,01/0,10/0,20)	5M2152H(HX/0,01/0,10/0,20)	-	-	-	-
KING	CR 410XP	MB 512XP	-			

1,6L 8V as in Escort RS Turbo/Fiesta RS Turbo

OEM Engine details 1,6 Ltr 8V | Engine code:CVH/LNA | • Displacement:1597 cc | • Valves:8 | • Comp. Ratio:8,3:1 | • Head cc's:41,00 | • Gasket thickness:1,32 | • Rod Length:132,00

Bore:80,00 | • Stroke:79,52 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE151M80	80,00	Std.	38,81	-0,5 FT	-	7,5:1	20,63	8000XX	352	1,R	C5756-051	-	-
KE151M805	80,50	0,50	38,81	-0,5 FT	-	7,5:1	20,63	3169XC	359	1,M,R	C5756-051	-	-
KE151M81	81,00	1,00	38,81	-0,5 FT	-	7,5:1	20,63	8100XX	365	1,M,R	C5756-051	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	151-4203	151-6004	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

Ford PISTONS

COMPLEMENTARY PARTS

1.6L Ecoboost as in Fiesta ST180/Focus MKIII

OEM Engine details 1,6 Ltr 16V Ecoboost | Engine code:JTJA/HXJA/HXJB | • Displacement:1596 cc | • Valves:16 | • Comp. Ratio:10,0:1 | • Head cc's:35,50 | • Gasket thickness:0,32 | • Rod Length:134,00
Bore:79,00 | • Stroke:81,40 | • Block Ht:204,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE149M79AP	79,00	Std.	28,58	-3,7	0,72-	10,0:1	21	7900XX	285	1,F,Q	FD1021-039/338447R	011EM16134/R-FOR-007-I	-
KE149M795AP	79,50	0,50	28,58	-3,7	0,72-	10,0:1	21	7950XX	289	1,F,Q	FD1021-039/338447R	011EM16134/R-FOR-007-I	-
KE149M80AP	80,00	1,00	28,58	-3,7	0,72-	10,0:1	21	8000XX	293	1,F,M,Q	FD1021-039/338447R	011EM16134/R-FOR-007-I	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
TBA	79,00	Std.	-	-	-	10,0:1	-	JG1004-3110	-	F,T	FD1021-039/338447R	-	-
TBA	79,50	0,50	-	-	-	10,0:1	-	JG1004-3130	-	F,T	FD1021-039/338447R	-	-
TBA	80,00	1,00	-	-	-	10,0:1	-	JG1004-3150	-	F,T	FD1021-039/338447R	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B7267H(HX/0,025/0,25/0,50)	-	-	251-4302	-	-
KING	-	-	-			

2.0L OHC/Pinto

OEM Engine details 2,0 Ltr 8V | Engine code:OHC(Pinto SOHC) | • Displacement:1992 cc | • Valves:8 | • Comp. Ratio:9,2:1 | • Head cc's:49,00 | • Gasket thickness:1,00 | • Rod Length:127,00
Bore:90,80 | • Stroke:76,90 | • Block Ht:207,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE221M9094	90,94	0,14	41,60	0	0,45-	9,2:1	24	9100XX	428	1,M,R	W6305/C4350-040	-	-
KE221M915	91,50	0,70	41,60	0	0,45-	9,2:1	24	9150XX	430	1,M,R	W6305/C4350-040	-	-
KE221M92	92,00	1,20	41,60	0	0,45-	9,2:1	24	9200XX	435	1,R	W6305/C4350-040	-	-
KE221M9225	92,25	1,45	41,60	0	0,45-	9,2:1	24	9225XX	438	1,M,R	W6305/C4350-040	-	-
KE221M9275	92,75	1,95	41,60	0	0,45-	9,2:1	24	9275XX	442	1,M,R	W6305/C4350-040	-	-
KE221M93	93,00	2,20	41,60	0	0,45-	9,2:1	24	9300XX	445	1,M,R	H1267SP8040S	-	-
KE221M935	93,50	2,70	41,60	0	0,45-	9,2:1	24	9350XX	450	1,M,R	H1267SP8040S	-	-
KE221M94	94,00	3,20	41,60	0	0,45-	9,2:1	24	9400XX	455	1,M,R	H1267SP8040S	-	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
Use with 128,52mm Rod													
330801C	91,00	0,20	40,51	10,9	0	11,5:1	24	JG1001-3583	414	M	FD1007-039	011BP29129	-
315262C	92,00	1,20	40,51	10,9	0	11,5:1	24	JG1001-3622	412	M	FD1007-039	011BP29129	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B2166H(HX/0,25/0,50)	5M2167H(HX/0,25/0,50)	2T2167	151-4201	151-6001	151-5401
KING	-	-	-			

Sierra DOHC/Scorpio

OEM Engine details 2,0 Ltr 8V | Engine code:N9C/N9E/N9A | • Displacement:1998 cc | • Valves:8 | • Comp. Ratio:10,3:1 | • Head cc's:42,00 | • Gasket thickness:1,58 | • Rod Length:149,30
Bore:86,00 | • Stroke:86,00 | • Block Ht:225,00 • Pin Size 20,63 - 13/16"

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE246M86	86,00	Std.	32,38	-13	0,32-	8,5:1	20	8600XX	324	1,L,M	-	011EF14149	-
KE246M865	86,50	0,50	32,38	-13	0,32-	8,5:1	20	8650XX	319	1,L,M	-	011EF14149	-
KE246M87	87,00	1,00	32,38	-13	0,32-	8,5:1	20	8700XX	329	1,L,M	-	011EF14149	-
KE235M86	86,00	Std.	32,38	-0,25	0,32-	10,3:1	20	8600XX	337	1,L,M	-	011EF14149	-
KE235M865	86,50	0,50	32,38	-0,25	0,32-	10,3:1	20	8650XX	332	1,L	-	011EF14149	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	251-6201	-
KING	-	-	-			

RS2000 DOHC

OEM Engine details 2,0 Ltr 16V | Engine code:N7A | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:10,3:1 | • Head cc's:38,50 | • Gasket thickness:1,58 | • Rod Length:149,30
Bore:86,00 | • Stroke:86,00 | • Block Ht:225,00 • Pin Size 20,63 - 13/16"

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
309765C	86,00	Std.	32,36	-2,2	0,34-	10,6:1	20	JG1001-3386	316	L,M,S	-	011EF14149*	-
358778C	86,25	0,25	32,36	-1,2	0,34-	10,6:1	20	8625XX	315	L,M,S	-	011EF14149*	-
309764C	86,50	0,50	32,36	-2,7	0,34-	10,6:1	20	JG1001-3405	320	L,M,S	-	011EF14149*	-
309766C	87,00	1,00	32,36	-3,25	0,34-	10,6:1	20	JG1001-3425	324	L,M,S	-	011EF14149*	-
320140C	86,50	0,50	31,85	9,7	0,85-	12,0:1	20,63	JG1001-3405	323	M	-	-	-

*use with N9C bearings

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	251-6201	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Ford PISTONS

Cosworth Escort/Sierra

OEM Engine details 2,0 Ltr 16V | Engine code:YB/N5 | • Displacement:1993 cc | • Valves:16 | • Comp. Ratio:8,0:1 | • Head cc's:45,00 | • Gasket thickness:1,00 | • Rod Length:128,52

Bore:90,82 | • Stroke:76,95 | • Block Ht:207,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE103M91AP	91,00	0,18	40,80	-20,2	0,27	8,0:1	24	9100XX	414	1,R	C4350-051/338042R	011BP29129 / R-FOR-001-I	C-FOR-001L
KE103M915AP	91,50	0,68	40,80	-20,2	0,27	8,0:1	24	9150XX	434	1,R	C4350-051/338042R	011BP29129 / R-FOR-001-I	C-FOR-001L
KE103M92AP	92,00	1,18	40,80	-20,2	0,27	8,0:1	24	9200XX	426	1,R	C4350-051/338042R	011BP29129 / R-FOR-001-I	C-FOR-001L
KE103M925AP	92,50	1,68	40,80	-20,2	0,27	8,0:1	24	9250XX	432	1,R	C4350-051/338042R	011BP29129 / R-FOR-001-I	C-FOR-001L

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
322459	90,82	Std.	40,75	-20	0,22	8,0:1	24	JG1004-3583	376	A,F,M,PS,T	FD1007-039	011BP29129 / R-FOR-001-I	C-FOR-001L
322460	91,00	0,18	40,75	-20	0,22	8,0:1	24	JG1004-3583	378	F,M,PS,T	FD1007-039	011BP29129 / R-FOR-001-I	C-FOR-001L
322461	91,50	0,68	40,75	-20	0,22	8,0:1	24	JG1004-3602	384	F,M,PS,T	FD1007-039	011BP29129 / R-FOR-001-I	C-FOR-001L
322462	92,00	1,18	40,75	-21,4	0,22	8,0:1	24	JG1004-3622	387	F,M,PS,T	FD1007-039	011BP29129 / R-FOR-001-I	C-FOR-001L
322463	92,50	1,68	40,75	-20	0,22	8,0:1	24	JG1004-3642	390	F,M,PS,T	FD1007-039	011BP29129 / R-FOR-001-I	C-FOR-001L
322464	93,00	2,18	40,75	-20	0,22	8,0:1	24	JG1004-3661	393	F,M,PS,T	FD1007-039	011BP29129 / R-FOR-001-I	C-FOR-001L
322465	93,50	2,68	40,75	-20	0,22	8,0:1	24	JG1004-3681	396	F,M,PS,T	FD1008-045	011BP29129 / R-FOR-001-I	C-FOR-001L
322466	94,00	3,18	40,75	-20	0,22	8,0:1	24	JG1004-3701	400	F,M,PS,T	338040R	011BP29129 / R-FOR-001-I	C-FOR-001L
322257C	92,00	1,18	40,74	6,2	0,21	12,0:1	24	JG1001-3622	424	M,R	FD1007-039	011BP29129 / R-FOR-001-I	C-FOR-001L

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B2166H(HX/0,25/0,50)	5M2167H(HX/0,25/0,50)	2T2167	251-4701	251-6301	151-5401
KING	CR4440XP	MB5672XP	-			

2,0L Zetec

OEM Engine details 2,0 Ltr 16V | Engine code:Zetec 2,0 | • Displacement:1988 cc | • Valves:16 | • Comp. Ratio:10,0:1 | • Head cc's:48,00 | • Gasket thickness:0,69 | • Rod Length:139,20

Bore:84,80 | • Stroke:88,00 | • Block Ht:213,00

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
298715	85,00	0,20	29,75	-8	0	9,0:1	20	JG1004-3346	304	PS,S,T	C4279-040	-	-
298716	85,50	0,70	29,75	-8,8	0	9,0:1	20	JG1004-3366	306	PS,S,T	C4279-040	-	-
298717	85,00	0,20	29,75	5,0	0	11,0:1	20	JG1004-3346	323	PS,S,V	C4279-040	-	-
298718	85,50	0,70	29,75	4,5	0	11,0:1	20	JG1004-3366	325	PS,S,V	C4279-040	-	-
For 92,00 mm stroker crank													
301148C	86,00	1,20	27,74	-6,9	0	9,0:1	20	JG1001-3386	303	M	C4279-040	-	-
285672C	86,00	1,20	27,74	4,5	0	11,8:1	20	JG1001-3386	322	M	C4279-040	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	251-4702	151-6005	151-5404/151-5406*
KING	-	-	-			

* Depending on model - see ARP section!

Duratec 20 HE (122CID) as in Focus/Fiesta ST150

OEM Engine details 2,0 Ltr 16V | Engine code:AOWA/AOBA/N4JA/N4JB | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:10,8:1 | • Head cc's:42,00 | • Gasket thickness:0,50 | • Rod Length:146,25

Bore:87,50 | • Stroke:83,10 | • Block Ht:217,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K628M875	87,50	Std.	28,50	-23	0,70-	8,0:1	21	8750XX	309	1,F,M	C5843-018/330056R	011BL16576 / R-FOR-004H / R-FOR-004-I	-
K628M88	88,00	0,50	28,50	-23	0,70-	8,0:1	21	8800XX	315	1,F,M	C5843-018/330056R	011BL16576 / R-FOR-004H / R-FOR-004-I	-
K629M875	87,50	Std.	28,50	-7	0,70-	10,0:1	21	8750XX	306	1,F	C5843-018/330056R	011BL16576 / R-FOR-004H / R-FOR-004-I	-
K629M88	88,00	0,50	28,50	-7	0,70-	10,0:1	21	8800XX	311	1,F,M	C5843-018/330056R	011BL16576 / R-FOR-004H / R-FOR-004-I	-
KE257M875	87,50	Std.	28,50	0	0,70-	11,1:1	21	8750XX	328	1,F	C5843-018/330056R	011BL16576 / R-FOR-004H / R-FOR-004-I	-
KE257M88	88,00	0,50	28,50	0	0,70-	11,1:1	21	8800XX	335	1,F,M	C5843-018/330056R	011BL16576 / R-FOR-004H / R-FOR-004-I	-
KE237M875	87,50	Std.	28,50	5,3	0,70-	12,5:1	21	8750XX	338	1,F	C5843-018/330056R	011BL16576 / R-FOR-004H / R-FOR-004-I	-
KE237M88	88,00	0,50	28,50	5,3	0,70-	12,5:1	21	8800XX	343	1,F	C5843-018/330056R	011BL16576 / R-FOR-004H / R-FOR-004-I	-
KE237M885	88,50	1,00	28,50	5,0	0,70-	12,5:1	21	8850XX	348	1,F,M	C5843-018/330056R	011BL16576 / R-FOR-004H / R-FOR-004-I	-
KE237M89	90,00	1,50	28,50	4,5	0,70-	12,5:1	21	8900XX	353	1,F,M	C5843-018/330056R	011BL16576 / R-FOR-004H / R-FOR-004-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B4390H(HX/0,025/0,25)	5M8174A(0,25/0,50/075)	-	151-4204	251-6202	151-5402
KING	CR4515XP	MB5442XP	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

COMPLEMENTARY PARTS

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

Ford PISTONS

COMPLEMENTARY PARTS

Duratec 20 RS as in Focus RS MKI

OEM Engine details 2,0 Ltr 16V | Engine code:HMDA | • Displacement:1988 cc | • Valves:16 | • Comp. Ratio:9,0:1 | • Head cc's:35,50 | • Gasket thickness:0,60 | • Rod Length:137,00

Bore:84,80 | • Stroke:88,00 | • Block Ht:213,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE154M848	84,80	Std.	31,70	-21,5	0,30-	9,0:1	22	8500XX	321	1,A,R	-	311BO17137	-
KE154M85	85,00	0,20	31,70	-21,5	0,30-	9,0:1	22	8500XX	324	1,R	-	311BO17137	-
KE154M8525	85,25	0,45	31,70	-21,5	0,30-	9,0:1	22	8525XX	326	1,M,R	-	311BO17137	-
KE154M855	85,50	0,70	31,70	-21,5	0,30-	9,0:1	22	8550XX	328	1,R	-	311BO17137	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

2.0L Ecoboost as in Focus ST

OEM Engine details 2,0 Ltr 16V | Engine code:R9DA/R9DB/R9DC | • Displacement:1999 cc | • Valves:16 | • Comp. Ratio:9,3:1 | • Head cc's:42,70 | • Gasket thickness:0,90 | • Rod Length:156,55

Bore:87,50 | • Stroke:83,10 | • Block Ht:231,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE345M875	87,50	Std.	32,75	-7,4	0,87-	9,3:1	22,5	8750XX	355	R	C15317-034	F_BEB20_0HS_6135B6H-04	ARROWC145
KE345M88	88,00	0,50	32,75	-7,4	0,87-	9,3:1	22,5	8800XX	360	R	C15317-034	F_BEB20_0HS_6135B6H-04	ARROWC145
KE345M885	88,50	1,00	32,75	-7,4	0,87-	9,3:1	22,5	8850XX	365	M,R	C15317-034	F_BEB20_0HS_6135B6H-04	ARROWC145

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
TBA	87,50	Std.	-	-	-	9,0:1	22,5	JG1004-3445	-	F,T	C15317-034	F_BEB20_0HS_6135B6H-04	ARROWC145
TBA	88,00	0,50	-	-	-	9,0:1	22,5	JG1004-3465	-	F,T	C15317-034	F_BEB20_0HS_6135B6H-04	ARROWC145
TBA	88,50	1,00	-	-	-	9,0:1	22,5	JG1004-3484	-	F,T	C15317-034	F_BEB20_0HS_6135B6H-04	ARROWC145

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8172H(HX/0,025/0,25)	-	-	-	-	-
KING	CR4604XP	MB5442XP	-			

Duratec 23 (140CID) as in Focus

OEM Engine details 2,3 Ltr 16V | Engine code:SEWA | • Displacement:2261 cc | • Valves:16 | • Comp. Ratio:9,7:1 | • Head cc's:42,00 | • Gasket thickness:0,50 | • Rod Length:154,80

Bore:87,50 | • Stroke:94,00 | • Block Ht:231,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K628M875	87,50	Std.	28,50	-23	0,70-	8,8:1	21	8750XX	309	1,F,M	C5843-018	011BM16155	-
K628M88	88,00	0,50	28,50	-23	0,70-	8,8:1	21	8800XX	315	1,F,M	C5843-018	011BM16155	-
K629M875	87,50	Std.	28,50	-7	0,70-	11,0:1	21	8750XX	306	1,F	C5843-018	011BM16155	-
K629M88	88,00	0,50	28,50	-7	0,70-	11,0:1	21	8800XX	311	1,F,M	C5843-018	011BM16155	-
KE257M875	87,50	Std.	28,50	0	0,70-	12,4:1	21	8750XX	328	1,F	C5843-018	011BM16155	-
KE257M88	88,00	0,50	28,50	0	0,70-	12,4:1	21	8800XX	335	1,F,M	C5843-018	011BM16155	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8170H(HX/0,025/0,25)	5M8174A(0,25/0,50/075)	-	151-4204	-	151-5405
KING	CR4507XP	MB5442XP	-			

Duratec 2,3 Disi Turbo

OEM Engine details 2,3 Ltr 16V | Engine code:N/A | • Displacement:2261 cc | • Valves:16 | • Comp. Ratio:9,5:1 | • Head cc's:42,00 | • Gasket thickness:0,50 | • Rod Length:150,75

Bore:87,50 | • Stroke:94,00 | • Block Ht:231,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K640M875	87,50	Std.	32,26	-13,3	1,00-	9,8:1	22,5	8750XX	342	1	C4481-030	028CF19151	-
K640M88	88,00	0,50	32,26	-13,3	1,00-	9,9:1	22,5	8800XX	346	1	C4481-030	028CF19151	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	Rod 4B8172H(HX/0,025/0,25)	Main 5M8174A(0,25/0,50/0,75)	-	218-4702	-	218-5402
KING	CR4504XP	MB5442XP	-			

Pinto 2300

OEM Engine details 2,3 Ltr 8V | Engine code:LL23 | • Displacement:2302 cc | • Valves:8 | • Comp. Ratio:N/A | • Head cc's:52,00 | • Gasket thickness:N/A | • Rod Length:144,78

Bore:96,00 | • Stroke:79,50 | • Block Ht:212,55

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K157A3	96,77	0,77	27,69	-3,4	0,33-	10,0:1	23,55	3810A(4x)	-	F	C5369-040	-	-
K157A4	97,03	1,03	27,69	-3,4	0,33-	10,0:1	23,55	3820B(4x)	-	F	C5369-040	-	-
K157A5	97,54	1,54	27,69	-3,4	0,33-	10,0:1	23,55	3840H(4x)	-	F	-	-	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
118558	96,77	0,77	27,69	-2	0,33-	9,0:1	23,55	J1004-3810-5	341	M	C5369-040	-	-
118560	97,03	1,03	27,69	-2	0,33-	9,0:1	23,55	J100F4-3820-5	349	M	C5369-040	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	151-4702	251-6402	151-5402
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Ford PISTONS

COMPLEMENTARY PARTS

2.3L16V DOHC as in Scorpio, Galaxy

OEM Engine details 2,3 Ltr 16V DOHC Engine code:Y5A/Y5B • Displacement:2295 cc • Valves:16 • Comp. Ratio:10,0:1 • Head cc's:53,50 • Gasket thickness:1,40 • Rod Length:149,30
Bore:89,60 • Stroke:91,00 • Block Ht:225,00 • Pin Size 20,63 - 13/16"

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
313687C	90,00	0,40	29,82	-18	0,38-	8,0:1	20	JG1001-3543	340	L,M,R	-	011EF14149	-
313687C-9050	90,50	0,90	29,82	-18	0,38-	8,0:1	20	XC9050	345	L,M,R	-	011EF14149	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	251-6201	-
KING	-	-	-			

2.3L Ecoboost as in Focus RS,Mustang

OEM Engine details 2,3 Ltr 16V Engine code:YVDA • Displacement:2261 cc • Valves:16 • Comp. Ratio:9,5:1 • Head cc's:43,40 • Gasket thickness:0,93 • Rod Length:149,23
Bore:87,50 • Stroke:94,00 • Block Ht:231,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE146M875	87,50	Std.	32,80	-6,8	1,97-	9,4:1	22,5	8750XX	335	R,T	C15294-036/338482R	FD5866-886	ARROWC146/ARROWC147
KE146M88	88,00	0,50	32,80	-7,7	1,97-	9,4:1	22,5	8800XX	340	R,T	C15294-036/338482R	FD5866-886	ARROWC146/ARROWC147
KE146M885	88,50	1,00	32,80	-8,4	1,97-	9,4:1	22,5	8850XX	345	M,R,T	C15294-036/338482R	FD5866-886	ARROWC146/ARROWC147

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
337924	87,50	Std.	33,00	-6,4	1,77-	9,5:1	22,5	JG1004-3445	355	M,Q,S,T	C15294-036/338482R	FD5866-886	ARROWC146/ARROWC147
337925	88,00	0,50	33,00	-7,6	1,77-	9,5:1	22,5	JG1004-3465	358	M,Q,S,T	C15294-036/338482R	FD5866-886	ARROWC146/ARROWC147
337926	88,50	1,00	33,00	-8,2	1,77-	9,5:1	22,5	JG1004-3484	363	M,Q,S,T	C15294-036/338482R	FD5866-886	ARROWC146/ARROWC147

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	Rod 4B8172H(HX/0,025/0,25)	-	-	151-4301	-	151-5407
KING	CR4604XP	MB5442XP	-			

Focus RS MKII

OEM Engine details 2,5 Ltr 20V Engine code:HUBA/JZDA • Displacement:2522 cc • Valves:20 • Comp. Ratio:9,0:1 • Head cc's:51,00 • Gasket thickness:1,35 • Rod Length:143,00
Bore:83,00 • Stroke:93,20 • Block Ht:220,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE327M83	83,00	Std.	30,50	-15,2	0,10	8,5:1	23	8300XX	326	1,H,R	338284R	344DW21143 / R-FOR-005-I	-
KE327M835	83,50	0,50	30,50	-15,2	0,10	8,5:1	23	8350XX	331	1,H,R	330045R	344DW21143 / R-FOR-005-I	-
KE227M83	83,00	Std.	30,50	-13	0,10	9,0:1	23	8300XX	335	1,H,R	338284R	344DW21143 / R-FOR-005-I	-
KE227M835	83,50	0,50	30,50	-13	0,10	9,0:1	23	8350XX	340	1,H,R	330045R	344DW21143 / R-FOR-005-I	-
KE227M84	84,00	1,00	30,50	-13	0,10	9,0:1	23	8400XX	346	1,H,R	330045R	344DW21143 / R-FOR-005-I	-
KE227M845	84,50	1,50	30,50	-13	0,10	9,0:1	23	8450XX	353	1,H,M,R	-	344DW21143 / R-FOR-005-I	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
333711C	83,00	Std.	30,50	-15,2	0,10	8,5:1	23	JG1001-3268	332	H,M,R	338284R	344DW21143 / R-FOR-005-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	251-4703	251-6203	251-5801
KING	-	-	-			

Focus ST

OEM Engine details 2,5 Ltr 20V Engine code:HUWA/HYDA • Displacement:2522 cc • Valves:20 • Comp. Ratio:9,0:1 • Head cc's:51,00 • Gasket thickness:1,35 • Rod Length:145,00
Bore:83,00 • Stroke:93,20 • Block Ht:220,00

C/R with 1,60 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
312414	83,00	Std.	28,40	-7,2	0	8,5:1	21	JG1005-3268	282	M,PS,S,T	330045R	-	-
312415	83,50	0,50	28,40	-7,2	0	8,5:1	21	JG1005-3287	285	M,PS,S,T	330045R	-	-
312416	84,00	1,00	28,40	-7,2	0	8,5:1	21	JG1005-3307	289	M,PS,S,T	330045R	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	CR 509XP	-	MB 612XP			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Ford PISTONS

Probe

OEM Engine details 2,5 Ltr 24V (V6) Engine code:KL • Displacement:2497 cc • Valves:24 • Comp. Ratio:9,2:1 • Head cc's:39,00 • Gasket thickness:0,35 • Rod Length:137,82
Bore:84,50 • Stroke:74,20 • Block Ht:204,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE147M845	84,50	Std.	29,16	-13	0,42-	8,5:1	20	8450XX	-	1,M	-	-	-
KE147M85	85,00	0,50	29,16	-13	0,42-	8,5:1	20	8500XX	-	1,M	-	-	-
KE147M855	85,50	1,00	29,16	-13	0,42-	8,5:1	20	8550XX	-	1,M	-	-	-
KE148M845	84,50	Std.	29,16	-2	0,42-	11,5:1	20	8450XX	302	1,M	-	-	-
KE148M85	85,00	0,50	29,16	-2	0,42-	11,5:1	20	8500XX	310	1,M	-	-	-
KE148M855	85,50	1,00	29,16	-2	0,42-	11,5:1	20	8550XX	314	1,M	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	218-4704	-	-
KING	-	-	-			

3.5L Ecoboost '10-17 (GEN 1)

OEM Engine details 3,5 Ltr 24V (V6) Engine code:Duratec 35 • Displacement:3496 cc • Valves:24 • Comp. Ratio:10,0:1 • Head cc's:56,00 • Gasket thickness:N/A • Rod Length:152,70
Bore:92,50 • Stroke:86,70 • Block Ht:N/A

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
315146	92,50	Std.	31,50	-8,6	-	9,0:1	23	JG1006-3642	385	M,PS,S,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-
315147	92,75	0,25	31,50	-8,9	-	9,0:1	23	JG1006-3652	387	M,PS,S,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-
315148	93,00	0,50	31,50	-9,3	-	9,0:1	23	JG1006-3661	390	M,PS,S,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-
315149	92,50	Std.	31,50	-0,5	-	10,0:1	23	JG1006-3642	398	M,PS,S,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-
367885	92,50	Std.	31,50	-0,5	-	10,0:1	23	JG1006-3642	-	F,UL,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-
315150	92,75	0,25	31,50	-0,8	-	10,0:1	23	JG1006-3652	402	M,PS,S,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-
367886	92,75	0,25	31,50	-0,8	-	10,0:1	23	JG1006-3652	-	F,UL,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-
315151	93,00	0,50	31,50	-1,1	-	10,0:1	23	JG1006-3661	406	M,PS,S,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-
367887	93,00	0,50	31,50	-1,1	-	10,0:1	23	JG1006-3661	-	F,UL,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	153-4303	-	-
KING	CR6895XP	MB4549XP	-			

NEW!! 3.5L Ecoboost '17-UP (GEN 2)

OEM Engine details 3,5 Ltr 24V (V6) Engine code:Duratec 35 • Displacement:3496 cc • Valves:24 • Comp. Ratio:10,5:1 • Head cc's:43,00 • Gasket thickness:N/A • Rod Length:152,70
Bore:92,50 • Stroke:86,70 • Block Ht:N/A

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
360928	92,50	Std.	31,50	-12,5	-	10,0:1	23	JG1006-3642	-	PS,S,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-
367888	92,50	Std.	31,50	-9,1	-	10,0:1	23	JG1006-3642	-	F,UL,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-
360929	92,63	0,13	31,50	-12,7	-	10,0:1	23	JG1006-3652	-	M,PS,S,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-
360930	92,75	0,25	31,50	-12,9	-	10,0:1	23	JG1006-3652	-	M,PS,S,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-
367889	92,75	0,25	31,50	-9,3	-	10,0:1	23	JG1006-3652	-	F,UL,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-
360931	93,00	0,50	31,50	-13,1	-	10,0:1	23	JG1006-3661	-	M,PS,S,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-
367890	93,00	0,50	31,50	-9,7	-	10,0:1	23	JG1006-3661	-	F,UL,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-
360932	92,50	Std.	31,50	-19,1	-	10,5:1	23	JG1006-3642	-	PS,S,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-
360933	92,63	0,13	31,50	-19,3	-	10,5:1	23	JG1006-3652	-	M,PS,S,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-
360934	92,75	0,25	31,50	-19,4	-	10,5:1	23	JG1006-3661	-	M,PS,S,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-
360935	93,00	0,50	31,50	-19,7	-	10,5:1	23	JG1006-3661	-	M,PS,S,T	-	F_BEB35_0YS_6012B6S-06 / FD6012-905	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	153-4303	-	-
KING	-	MB4549XP	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

COMPLEMENTARY PARTS

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Honda PISTONS

COMPLEMENTARY PARTS

L15A 1,5L VTEC as in Fit/Jazz/City

OEM Engine details 1,5Ltr 16V | Engine code:L15A | • Displacement:1486 cc | • Valves:16 | • Comp. Ratio:10,4:1 | • Head cc's:26,00 | • Gasket thickness:N/A | • Rod Length:149,00
Bore:73,00 | • Stroke:89,40 | • Block Ht:220,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K637M73	73,00	Std.	26,16	-11,5	0,14-	9,8:1	18	2874XC	203		-	015BY10149	-

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
295751	73,00	Std.	26,10	-15,0	0,20-	9,0:1	18	JG1004-2874	205	M,R,T	-	015BY10149	-
325562	73,50	0,50	26,10	-16,1	0,20-	9.0:1	18	JG1004-2894	207	M,R,T	-	015BY10149	-
325563	73,00	Std.	26,10	-4,4	0,20-	11.5:1	18	JG1004-2874	210	M,R,V	-	015BY10149	-
325564	73,50	0,50	26,10	-4,8	0,20-	11.5:1	18	JG1004-2894	212	M,R,V	-	015BY10149	-
325565	73,00	Std.	26,10	-1,3	0,20-	12.5:1	18	JG1004-2874	209	M,R,V	-	015BY10149	-
325566	73,50	0,50	26,10	-1,7	0,20-	12.5:1	18	JG1004-2894	211	M,R,V	-	015BY10149	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	208-4308	208-6301	108-5401
KING	-	-	-			

L15B 1,5L Turbo

OEM Engine details 1,5Ltr 16V | Engine code:L15B7 | • Displacement:1486 cc | • Valves:16 | • Comp. Ratio:10,6:1 | • Head cc's:27,6 | • Gasket thickness:N/A | • Rod Length:140,90
Bore:73,00 | • Stroke:89,50 | • Block Ht:220,00

C/R with 0,46 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
357427	73,00	Std.	27,6	-13,4	-	9,5:1	20	JG1004-2874	207	PS,R,T	-	-	-
357428	73,50	0,50	27,6	-14,0	-	9,5:1	20	JG1004-2894	209	PS,R,T	-	-	-
357429	73,00	Std.	27,6	-9,6	-	10,3:1	20	JG1004-2874	218	PS,R,T	-	-	-
357430	73,50	0,50	27,6	-10,1	-	10,3:1	20	JG1004-2894	220	PS,R,T	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

B16A as in Civic SI

OEM Engine details 1,6 Ltr 16V | Engine code:B16A | • Displacement:1595 cc | • Valves:16 | • Comp. Ratio:10,2:1 | • Head cc's:42,70 | • Gasket thickness:0,60 | • Rod Length:134,30
Bore:81,00 | • Stroke:77,40 | • Block Ht:203,00

Must use at least a 1,00 mm thick head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K673M81AP	81,00	Std.	30,00	-8	0	8,2:1	21	8100XX	293	1,M	W6602	015BR16529 / R-HON-001-I	-
K673M815AP	81,50	0,50	30,00	-8	0	8,2:1	21	8150XX	298	1,M	W6602	015BR16529 / R-HON-001-I	-
K673M82AP	82,00	1,00	30,00	-8	0	8,2:1	21	8200XX	303	1,M	W6167	015BR16529 / R-HON-001-I	-
K649M84	84,00	3,00	30,00	-10	0	8,4:1	21	8400XX	320	1,N	W6084	015BR16529 / R-HON-001-I	-
K649M845	84,50	3,50	30,00	-10	0	8,4:1	21	8450XX	326	1,N	W6291	015BR16529 / R-HON-001-I	-
K649M85	85,00	4,00	30,00	-10	0	8,5:1	21	8500XX	332	1,M,N	W6291	015BR16529 / R-HON-001-I	-
K542M81AP	81,00	Std.	29,85	-2,4FT	0,15-	8,9:1	21	8100XX	280	1,F	W6602	015BR16529 / R-HON-001-I	-
K542M8125AP	81,25	0,25	29,85	-2,4FT	0,15-	8,9:1	21	8125XX	281	1,F,M	W6602	015BR16529 / R-HON-001-I	-
K542M815AP	81,50	0,50	29,85	-2,4FT	0,15-	8,9:1	21	8150XX	285	1,F	W6602	015BR16529 / R-HON-001-I	-
K542M82AP	82,00	1,00	29,85	-2,4FT	0,15-	8,9:1	21	8200XX	296	1,F	W6167	015BR16529 / R-HON-001-I	-
K623M84	84,00	3,00	30,00	-2,3FT	0	9,4:1	21	8400XX	291	1,N	W6084	015BR16529 / R-HON-001-I	-
K623M845	84,50	3,50	30,00	-2,3FT	0	9,4:1	21	8450XX	296	1,N	W6291	015BR16529 / R-HON-001-I	-
K567M84AP	84,00	3,00	30,00	2	0	10,1:1	21	8400XX	288	1,N	W6084	015BR16529 / R-HON-001H	-
K567M8425AP	84,25	3,25	30,00	2	0	10,2:1	21	8425XX	292	1,M,N	W6291	015BR16529 / R-HON-001H	-
K567M845AP	84,50	3,50	30,00	2	0	10,2:1	21	8450XX	294	1,N	W6291	015BR16529 / R-HON-001H	-
K567M85AP	85,00	4,00	30,00	2	0	10,3:1	21	8500XX	300	1,N	W6291	015BR16529 / R-HON-001H	-
K566M81AP	81,00	Std.	30,10	5	0,10	10,5:1	21	8100XX	275	1,2	W6602	015BR16529 / R-HON-001H	-
K566M8125AP	81,25	0,25	30,10	5	0,10	10,5:1	21	8125XX	279	1,2,M	W6602	015BR16529 / R-HON-001H	-
K566M815AP	81,50	0,50	30,10	5	0,10	10,5:1	21	8150XX	281	1,2	W6602	015BR16529 / R-HON-001H	-
K566M82AP	82,00	1,00	30,10	5	0,10	10,5:1	21	8200XX	287	1,2	W6167	015BR16529 / R-HON-001H	-
K593M81AP	81,00	Std.	30,00	8,3	0	11,1:1	21	8100XX	270	1,2	W6602	015BR16529 / R-HON-001H	-
K593M8125AP	81,25	0,25	30,00	8,3	0	11,1:1	21	8125XX	274	1,2,M	W6602	015BR16529 / R-HON-001H	-
K593M815AP	81,50	0,50	30,00	8,3	0	11,1:1	21	8150XX	278	1,2	W6602	015BR16529 / R-HON-001H	-
K593M82AP	82,00	1,00	30,00	8,3	0	11,1:1	21	8200XX	281	1,2	W6167	015BR16529 / R-HON-001H	-
K594M84AP	84,00	3,00	30,00	8,3	0	11,5:1	21	8400XX	275	1,N	W6084	015BR16529 / R-HON-001H	-
K594M8425AP	84,25	3,25	30,00	8,3	0	11,6:1	21	8425XX	277	1,M,N	W6291	015BR16529 / R-HON-001H	-
K594M845AP	84,50	3,50	30,00	8,3	0	11,6:1	21	8450XX	279	1,N	W6291	015BR16529 / R-HON-001H	-
K594M85AP	85,00	4,00	30,00	8,3	0	11,7:1	21	8500XX	286	1,N	W6291	015BR16529 / R-HON-001H	-
K594M855AP	85,50	4,50	30,00	8,3	0	11,8:1	21	8550XX	292	1,N	-	015BR16529 / R-HON-001H	-
K594M86AP	86,00	5,00	30,00	8,3	0	12,0:1	21	8600XX	297	1,N	-	015BR16529 / R-HON-001H	-

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Honda PISTONS

COMPLEMENTARY PARTS

B16A as in Civic SI

OEM Engine details 1,6 Ltr 16V | Engine code:B16A | • Displacement:1595 cc | • Valves:16 | • Comp. Ratio:10,2:1 | • Head cc's:42,70 | • Gasket thickness:0,60 | • Rod Length:134,30

Bore:81,00 | • Stroke:77,40 | • Block Ht:203,00

C/R with 0,84 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
302497	81,00	Std.	30,00	-7,6	0	8,3:1	21	JG1004-3189	281	PS,S,T	HN1000-033	015BR16529 / R-HON-001-I	-
302502	81,50	0,50	30,00	-8,2	0	8,3:1	21	JG1004-3209	284	PS,S,T	HN1000-033	015BR16529 / R-HON-001-I	-
338082	82,00	1,00	30,00	-9,5	0	8,3:1	21	JG1004-3228	-	M,PS,S,T	HN1001-033	015BR16529 / R-HON-001-I	-
338083	82,50	1,50	30,00	-10,2	0	8,3:1	21	JG1004-3250	-	M,N,PS,S,T	HN1002-033	015BR16529 / R-HON-001-I	-
338084	83,00	2,00	30,00	-10,8	0	8,3:1	21	JG1004-3268	-	M,N,PS,S,T	HN1002-033	015BR16529 / R-HON-001-I	-
302410	84,00	3,00	30,00	-11,4	0	8,3:1	21	JG1004-3307	301	N,PS,S,T	HN1003-033	015BR16529 / R-HON-001-I	-
302414	84,50	3,50	30,00	-12	0	8,3:1	21	JG1004-3327	303	N,PS,S,T	HN1004-033	015BR16529 / R-HON-001-I	-
302418	85,00	4,00	30,00	-12,7	0	8,3:1	21	JG1004-3346	305	N,PS,S,T	HN1004-033	015BR16529 / R-HON-001-I	-
367841	81,00	Std.	30,00	-1,4 FT	0	9.0:1	21	JG1004-3189	309	F,UL,T	HN1000-033	015BR16529 / R-HON-001-I	-
367842	81,50	0,50	30,00	-1,9 FT	0	9.0:1	21	JG1004-3209	311	F,UL,T	HN1001-033	015BR16529 / R-HON-001-I	-
367843	84,00	3,00	30,00	-4,5 FT	0	9.0:1	21	JG1004-3307	320	F,UL,T	HN1004-033	015BR16529 / R-HON-001-I	-
367844	84,50	3,50	30,00	-5 FT	0	9.0:1	21	JG1004-3327	322	F,UL,T	HN1004-033	015BR16529 / R-HON-001-I	-
367845	85,00	4,00	30,00	-5,6 FT	0	9.0:1	21	JG1004-3346	324	F,UL,T	HN1004-033	015BR16529 / R-HON-001-I	-
302498	81,00	Std.	30,00	-1,4 FT	0	9,2:1	21	JG1004-3189	290	PS,S,T	HN1000-033	015BR16529 / R-HON-001-I	-
302503	81,50	0,50	30,00	-1,9 FT	0	9,2:1	21	JG1004-3209	296	PS,S,T	HN1000-033	015BR16529 / R-HON-001-I	-
338087	82,00	1,00	30,00	-2,2 FT	0	9,2:1	21	JG1004-3228	-	M,PS,S,T	HN1001-033	015BR16529 / R-HON-001-I	-
338085	82,50	1,50	30,00	-2,7 FT	0	9,2:1	21	JG1004-3250	-	M,N,PS,S,T	HN1002-033	015BR16529 / R-HON-001-I	-
338086	83,00	2,00	30,00	-3,3 FT	0	9,2:1	21	JG1004-3268	-	M,N,PS,S,T	HN1002-033	015BR16529 / R-HON-001-I	-
302411	84,00	3,00	30,00	-4,5 FT	0	9,2:1	21	JG1004-3307	316	N,PS,S,T	HN1003-033	015BR16529 / R-HON-001-I	-
302415	84,50	3,50	30,00	-5 FT	0	9,2:1	21	JG1004-3327	318	N,PS,S,T	HN1004-033	015BR16529 / R-HON-001-I	-
302419	85,00	4,00	30,00	-5,6 FT	0	9,2:1	21	JG1004-3346	324	N,PS,S,T	HN1004-033	015BR16529 / R-HON-001-I	-
302499	81,00	Std.	30,00	5,7	0	10,6:1	21	JG1004-3189	301	PS,S,T	HN1000-033	015BR16529 / R-HON-001H	-
302504	81,50	0,50	30,00	5,2	0	10,6:1	21	JG1004-3209	306	PS,S,T	HN1000-033	015BR16529 / R-HON-001H	-
338088	82,00	1,00	30,00	4,5	0	10,6:1	21	JG1004-3228	-	M,PS,S,T	HN1001-033	015BR16529 / R-HON-001H	-
338089	82,50	1,50	30,00	4,0	0	10,6:1	21	JG1004-3250	-	M,N,PS,S,T	HN1002-033	015BR16529 / R-HON-001H	-
338090	83,00	2,00	30,00	3,5	0	10,6:1	21	JG1004-3268	-	M,N,PS,S,T	HN1002-033	015BR16529 / R-HON-001H	-
302412	84,00	3,00	30,00	3,2	0	10,6:1	21	JG1004-3307	321	N,PS,S,T	HN1003-033	015BR16529 / R-HON-001H	-
302416	84,50	3,50	30,00	2,8	0	10,6:1	21	JG1004-3327	326	N,PS,S,T	HN1004-033	015BR16529 / R-HON-001H	-
302420	85,00	4,00	30,00	2,3	0	10,6:1	21	JG1004-3346	328	N,PS,S,T	HN1004-033	015BR16529 / R-HON-001H	-
302500	81,00	Std.	30,00	9,4	0	11,6:1	21	JG1004-3189	308	PS,S,V	HN1000-033	015BR16529 / R-HON-001H	-
302505	81,50	0,50	30,00	9	0	11,6:1	21	JG1004-3209	311	PS,S,V	HN1000-033	015BR16529 / R-HON-001H	-
312417	82,00	1,00	30,00	9	0	11,6:1	21	JG1004-3228	335	M,PS,S,V	HN1001-033	015BR16529 / R-HON-001H	-
338091	82,50	1,50	30,00	8,6	0	11,6:1	21	JG1004-3250	-	M,N,PS,S,V	HN1002-033	015BR16529 / R-HON-001H	-
338092	83,00	2,00	30,00	8,2	0	11,6:1	21	JG1004-3268	-	M,N,PS,S,V	HN1002-033	015BR16529 / R-HON-001H	-
302413	84,00	3,00	30,00	7,4	0	11,6:1	21	JG1004-3307	332	N,PS,S,V	HN1003-033	015BR16529 / R-HON-001H	-
302417	84,50	3,50	30,00	6,9	0	11,6:1	21	JG1004-3327	334	N,PS,S,V	HN1004-033	015BR16529 / R-HON-001H	-
302421	85,00	4,00	30,00	6,6	0	11,6:1	21	JG1004-3346	338	N,PS,S,V	HN1004-033	015BR16529 / R-HON-001H	-
338093	86,00	5,00	30,00	9,0	0	12,6:1	21	JG1004-3386	-	M,N,PS,S,V	-	015BR16529 / R-HON-001H	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1946H(HX/0,025/0,25)	5M1959H(HX/0,025/0,25)	1T1957	208-4601	208-6401	208-5402
	4B1946HD(HDX/0,025/0,25) (w/ Dowel Hole)	-	-	-	-	-
KING	CR 439XP	MB5259XP	TW 140AM			
	CR 439XPC	MB5259XPC	-			
	CR 439XPD	-	-			
	CR 439XPDC	-	-			

D16Z6/D16Y7 as in Civic SOHC 92+

OEM Engine details 1,6 Ltr 16V | Engine code:D16Z6/D16Y7 | • Displacement:1590 cc | • Valves:16 | • Comp. Ratio:9,3:1 | • Head cc's:34,60 | • Gasket thickness:0,65 | • Rod Length:137,00

Bore:75,00 | • Stroke:90,00 | • Block Ht:212,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K546M755	75,50	0,50	29,80	-15,4	0,20-	8,5:1	19	7550XX	232	1	W6170	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1956H(HX/0,025/0,25)	5M1957H(HX/0,025/0,25)	1T1957	-	-	-
KING	CR4046XP	MB5568XP	TW 140AM			
	CR4046XPC	-	-			

D16Y8 as in Civic SOHC '96-00

OEM Engine details 1,6 Ltr 16V | Engine code:D16Y8 | • Displacement:1590 cc | • Valves:16 | • Comp. Ratio:9,6:1 | • Head cc's:32,80 | • Gasket thickness:0,71 | • Rod Length:137,00

Bore:75,00 | • Stroke:90,00 | • Block Ht:212,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K543M75	75,00	Std.	29,15	-14	0,84-	8,5:1	19	7500XX	232	1,M	W6170	-	-
K543M755	75,50	0,50	29,15	-14	0,84-	8,5:1	19	7550XX	230	1	W6170	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1956H(HX/0,025/0,25)	5M1957H(HX/0,025/0,25)	1T1957	208-4305	-	-
KING	CR4046XP	MB5568XP	TW 140AM			
	CR4046XPC	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Honda PISTONS

COMPLEMENTARY PARTS

B17A1 as in Integra GSR

OEM Engine details 1,7 Ltr 16V | Engine code:B17A1 | Bore:81,00 | • Displacement:1678 cc | • Stroke:81,40 | • Valves:16 | • Block Ht:203,00 | • Comp. Ratio:9,7:1 | • Head cc's:42,70 | • Gasket thickness:0,75 | • Rod Length:132,30

Must use at least a 1,00 mm thick head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K541M81AP	81,00	Std.	30,00	-12	0	8,1:1	21	8100XX	295	1	W6602(Vtec)/W6086	-	-
K541M8125AP	81,25	0,25	30,00	-12	0	8,1:1	21	8125XX	296	1,M	W6602(Vtec)/W6086	-	-
K541M815AP	81,50	0,50	30,00	-12	0	8,1:1	21	8150XX	301	1	W6602(Vtec)/W6086	-	-
K541M82AP	82,00	1,00	30,00	-12	0	8,1:1	21	8200XX	306	1	W6167(Vtec)/W6086	-	-
K673M81AP	81,00	Std.	30,00	-8	0	8,5:1	21	8100XX	293	1,M	W6602(Vtec)/W6086	-	-
K673M815AP	81,50	0,50	30,00	-8	0	8,5:1	21	8150XX	298	1,M	W6602(Vtec)/W6086	-	-
K673M82AP	82,00	1,00	30,00	-8	0	8,5:1	21	8200XX	303	1,M	W6167(Vtec)/W6086	-	-
K542M81AP	81,00	Std.	29,85	-2,4FT	0,15-	9,3:1	21	8100XX	286	1	W6602(Vtec)/W6086	-	-
K542M8125AP	81,25	0,25	29,85	-2,4FT	0,15-	9,3:1	21	8125XX	281	1,M	W6602(Vtec)/W6086	-	-
K542M815AP	81,50	0,50	29,85	-2,4FT	0,15-	9,3:1	21	8150XX	285	1	W6602(Vtec)/W6086	-	-
K542M82AP	82,00	1,00	29,85	-2,4FT	0,15-	9,3:1	21	8200XX	296	1	W6167(Vtec)/W6086	-	-
K566M81AP	81,00	Std.	30,10	5	0,10	11,0:1	21	8100XX	275	1,2	W6602(Vtec)/W6086	-	-
K566M8125AP	81,25	0,25	30,10	5	0,10	11,0:1	21	8125XX	279	1,2,M	W6602(Vtec)/W6086	-	-
K566M815AP	81,50	0,50	30,10	5	0,10	11,0:1	21	8150XX	281	1,2	W6602(Vtec)/W6086	-	-
K566M82AP	82,00	1,00	30,10	5	0,10	11,0:1	21	8200XX	287	1,2	W6167(Vtec)/W6086	-	-
K593M81AP	81,00	Std.	30,00	8,3	0	11,7:1	21	8100XX	270	1,2	W6602(Vtec)/W6086	-	-
K593M8125AP	81,25	0,25	30,00	8,3	0	11,7:1	21	8125XX	274	1,2	W6602(Vtec)/W6086	-	-
K593M815AP	81,50	0,50	30,00	8,3	0	11,7:1	21	8150XX	278	1,2	W6602(Vtec)/W6086	-	-
K593M82AP	82,00	1,00	30,00	8,3	0	11,7:1	21	8200XX	281	1,2	W6167(Vtec)/W6086	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1946H(HX/0,025/0,25)	5M1959H(HX/0,025/0,25)	1T1957	208-4303	208-6401	208-5403
	4B1946HD(HDX/0,025/0,25) (w/ Dowel Hole)	-	-			
KING	CR 439XP	MB5259XP	TW 140AM			
	CR 439XPC	MB5259XPC	-			
	CR 439XPD	-	-			
	CR 439XPDC	-	-			

D17 as in Civic SOHC '96-00

OEM Engine details 1,7 Ltr 16V | Engine code:D17 | Bore:75,00 | • Displacement:1668 cc | • Stroke:94,40 | • Valves:16 | • Block Ht:212,00 | • Comp. Ratio:9,5:1 | • Head cc's:33,50 | • Gasket thickness:0,71 | • Rod Length:137,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K624M75	75,00	Std.	27,00	-14	0,81-	8,8:1	19	7500XX	210	1,M	C4474-027	015BT12137	-
K624M755	75,50	0,50	27,00	-14	0,81-	8,8:1	19	7550XX	217	1	C4474-027	015BT12137	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1956H(HX/0,025/0,25)	5M1957H(HX/0,025/0,25)	1T1957	-	-	-
	4B1946HD(HDX/0,025/0,25) (w/ Dowel Hole)	-	-	-	-	-
KING	CR4046XP	MB5568XP	TW 140AM			
	CR4046XPC	-	-			





When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

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Honda PISTONS

COMPLEMENTARY PARTS

B18A1/B1 NON V-TEC as in Integra

OEM Engine details 1,8 Ltr 16V | Engine code:B18A1/B1 | • Displacement:1834 cc | • Valves:16 | • Comp. Ratio:9,2:1 | • Head cc's:45,00 | • Gasket thickness:0,75 | • Rod Length:137,00

Bore:81,00 | • Stroke:89,00 | • Block Ht:212,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K541M81AP	81,00	Std.	30,00	-12	0,50-	8,3:1	21	8100XX	295	1	C4181-030 / W6086	015BR16137 / R-HON-002-I	-
K541M8125AP	81,25	0,25	30,00	-12	0,50-	8,3:1	21	8125XX	296	1,M	C4181-030 / W6086	015BR16137 / R-HON-002-I	-
K541M815AP	81,50	0,50	30,00	-12	0,50-	8,3:1	21	8150XX	301	1	C4181-030 / W6086	015BR16137 / R-HON-002-I	-
K541M82AP	82,00	1,00	30,00	-12	0,50-	8,3:1	21	8200XX	306	1	C4181-030 / W6086	015BR16137 / R-HON-002-I	-
K673M81AP	81,00	Std.	30,00	-8	0,50-	8,5:1	21	8100XX	293	1,M	C4181-030 / W6086	015BR16137 / R-HON-002-I	-
K673M815AP	81,50	0,50	30,00	-8	0,50-	8,6:1	21	8150XX	298	1,M	C4181-030 / W6086	015BR16137 / R-HON-002-I	-
K673M82AP	82,00	1,00	30,00	-8	0,50-	8,7:1	21	8200XX	303	1,M	C4181-030 / W6086	015BR16137 / R-HON-002-I	-
K649M84	84,00	3,00	30,00	-10	0,50-	8,8:1	21	8400XX	320	1,N	H1355SP2030S	015BR16137 / R-HON-002-I	-
K649M845	84,50	3,50	30,00	-10	0,50-	8,9:1	21	8450XX	326	1,N	H1355SP2030S	015BR16137 / R-HON-002-I	-
K649M85	85,00	4,00	30,00	-10	0,50-	8,9:1	21	8500XX	332	1,M,N	H1355SP2030S	015BR16137 / R-HON-002-I	-
K542M81AP	81,00	Std.	29,85	-2,4FT	0,65-	9,5:1	21	8100XX	280	1	C4181-030 / W6086	015BR16137 / R-HON-002H	-
K542M8125AP	81,25	0,25	29,85	-2,4FT	0,65-	9,5:1	21	8125XX	281	1,M	C4181-030 / W6086	015BR16137 / R-HON-002H	-
K542M815AP	81,50	0,50	29,85	-2,4FT	0,65-	9,5:1	21	8150XX	285	1	C4181-030 / W6086	015BR16137 / R-HON-002H	-
K542M82AP	82,00	1,00	29,85	-2,4FT	0,65-	9,5:1	21	8200XX	296	1	C4181-030 / W6086	015BR16137 / R-HON-002H	-
K623M84	84,00	3,00	30,00	-2,3FT	0,50-	9,9:1	21	8400XX	291	1,N	H1355SP2030S	015BR16137 / R-HON-002H	-
K623M845	84,50	3,50	30,00	-2,3FT	0,50-	9,9:1	21	8450XX	296	1,N	H1355SP2030S	015BR16137 / R-HON-002H	-
K566M81AP	81,00	Std.	30,10	5	0,40-	11,0:1	21	8100XX	275	1	C4181-030 / W6086	015BR16137 / R-HON-002H	-
K566M8125AP	81,25	0,25	30,10	5	0,40-	11,0:1	21	8125XX	279	1,M	C4181-030 / W6086	015BR16137 / R-HON-002H	-
K566M815AP	81,50	0,50	30,10	5	0,40-	11,0:1	21	8150XX	281	1	C4181-030 / W6086	015BR16137 / R-HON-002H	-
K566M82AP	82,00	1,00	30,10	5	0,40-	11,0:1	21	8200XX	287	1	C4181-030 / W6086	015BR16137 / R-HON-002H	-
K593M81AP	81,00	Std.	30,00	8,3	0,50-	11,7:1	21	8100XX	270	1	C4181-030 / W6086	015BR16137 / R-HON-002H	-
K593M8125AP	81,25	0,25	30,00	8,3	0,50-	11,7:1	21	8125XX	274	1,M	C4181-030 / W6086	015BR16137 / R-HON-002H	-
K593M815AP	81,50	0,50	30,00	8,3	0,50-	11,7:1	21	8150XX	278	1	C4181-030 / W6086	015BR16137 / R-HON-002H	-
K593M82AP	82,00	1,00	30,00	8,3	0,50-	11,7:1	21	8200XX	281	1	C4181-030 / W6086	015BR16137 / R-HON-002H	-
K594M84AP	84,00	3,00	30,00	8,3	0,50-	12,3:1	21	8400XX	275	1,N	H1355SP2030S	015BR16137 / R-HON-002H	-
K594M8425AP	84,25	3,25	30,00	8,3	0,50-	12,3:1	21	8425XX	277	1,M,N	H1355SP2030S	015BR16137 / R-HON-002H	-
K594M845AP	84,50	3,50	30,00	8,3	0,50-	12,4:1	21	8450XX	279	1,N	H1355SP2030S	015BR16137 / R-HON-002H	-
K594M85AP	85,00	4,00	30,00	8,3	0,50-	12,5:1	21	8500XX	286	1,N	H1355SP2030S	015BR16137 / R-HON-002H	-
K594M855AP	85,50	4,50	30,00	8,3	0,50-	12,6:1	21	8550XX	292	1,N	H1355SP2030S	015BR16137 / R-HON-002H	-
K594M86AP	86,00	5,00	30,00	8,3	0,50-	12,7:1	21	8600XX	297	1,N	H1355SP2030S	015BR16137 / R-HON-002H	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1946H(HX/0,025/0,25)	5M1959H(HX/0,025/0,25)	1T1957	208-4601	208-6401	208-5402
	4B1946HD(HDX/0,025/0,25) (w/ Dowel Hole)	-	-	-	-	-
KING	CR 439XP	MB5259XP	TW 140AM			
	CR 439XPC	MB5259XPC	-			
	CR 439XPD	-	-			
	CR 439XPDC	-	-			

B18 LS(A1/B1 with B16A VTEC Head)

OEM Engine details 1,8 Ltr 16V | Engine code:B18A1/B1 | • Displacement:1834 cc | • Valves:16 | • Comp. Ratio:9,2:1 | • Head cc's:42,70 | • Gasket thickness:0,75 | • Rod Length:137,00

Bore:81,00 | • Stroke:89,00 | • Block Ht:212,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K541M81AP	81,00	Std.	30,00	-12	0,50-	8,6:1	21	8100XX	295	1	C4237-030	015BR16137 / R-HON-002-I	-
K541M8125AP	81,25	0,25	30,00	-12	0,50-	8,6:1	21	8125XX	296	1,M	C4236-030	015BR16137 / R-HON-002-I	-
K541M815AP	81,50	0,50	30,00	-12	0,50-	8,6:1	21	8150XX	301	1	C4236-030	015BR16137 / R-HON-002-I	-
K541M82AP	82,00	1,00	30,00	-12	0,50-	8,6:1	21	8200XX	306	1	C4191-030	015BR16137 / R-HON-002-I	-
K673M81AP	81,00	Std.	30,00	-8	0,50-	9,0:1	21	8100XX	293	1,M	C4237-030	015BR16137 / R-HON-002H	-
K673M815AP	81,50	0,50	30,00	-8	0,50-	9,0:1	21	8150XX	298	1,M	C4236-030	015BR16137 / R-HON-002H	-
K673M82AP	82,00	1,00	30,00	-8	0,50-	9,0:1	21	8200XX	303	1,M	C4191-030	015BR16137 / R-HON-002H	-
K649M84	84,00	3,00	30,00	-10	0,50-	9,3:1	21	8400XX	320	1,N	C4193-030	015BR16137 / R-HON-002H	-
K649M845	84,50	3,50	30,00	-10	0,50-	9,3:1	21	8450XX	326	1,N	C4241-030	015BR16137 / R-HON-002H	-
K649M85	85,00	4,00	30,00	-10	0,50-	9,4:1	21	8500XX	332	1,M,N	C4194-030	015BR16137 / R-HON-002H	-
K542M81AP	81,00	Std.	29,85	-2,4FT	0,65-	9,8:1	21	8100XX	280	1,F	C4237-030	015BR16137 / R-HON-002H	-
K542M8125AP	81,25	0,25	29,85	-2,4FT	0,65-	9,8:1	21	8125XX	281	1,F,M	C4236-030	015BR16137 / R-HON-002H	-
K542M815AP	81,50	0,50	29,85	-2,4FT	0,65-	9,8:1	21	8150XX	285	1,F	C4236-030	015BR16137 / R-HON-002H	-
K542M82AP	82,00	1,00	29,85	-2,4FT	0,65-	9,8:1	21	8200XX	296	1,F	C4191-030	015BR16137 / R-HON-002H	-
K623M84	84,00	3,00	30,00	-2,3FT	0,50-	10,5:1	21	8400XX	291	1,N	C4193-030	015BR16137 / R-HON-002H	-
K623M845	84,50	3,50	30,00	-2,3FT	0,50-	10,6:1	21	8450XX	296	1,N	C4241-030	015BR16137 / R-HON-002H	-
K566M81AP	81,00	Std.	30,10	5	0,40-	11,6:1	21	8100XX	275	1	C4236-030	015BR16137 / R-HON-002H	-
K566M8125AP	81,25	0,25	30,10	5	0,40-	11,6:1	21	8125XX	279	1,M	C4236-030	015BR16137 / R-HON-002H	-
K566M815AP	81,50	0,50	30,10	5	0,40-	11,6:1	21	8150XX	281	1	C4236-030	015BR16137 / R-HON-002H	-
K566M82AP	82,00	1,00	30,10	5	0,40-	11,6:1	21	8200XX	287	1	C4191-030	015BR16137 / R-HON-002H	-
K593M81AP	81,00	Std.	30,00	8,3	0,50-	12,3:1	21	8100XX	270	1	C4236-030	015BR16137 / R-HON-002H	-
K593M8125AP	81,25	0,25	30,00	8,3	0,50-	12,3:1	21	8125XX	274	1,M	C4236-030	015BR16137 / R-HON-002H	-
K593M815AP	81,50	0,50	30,00	8,3	0,50-	12,3:1	21	8150XX	278	1	C4236-030	015BR16137 / R-HON-002H	-
K593M82AP	82,00	1,00	30,00	8,3	0,50-	12,3:1	21	8200XX	281	1	C4191-030	015BR16137 / R-HON-002H	-
K594M84AP	84,00	3,00	30,00	8,3	0,50-	12,9:1	21	8400XX	275	1,N	C4193-030	015BR16137 / R-HON-002H	-
K594M8425AP	84,25	3,25	30,00	8,3	0,50-	13,0:1	21	8425XX	277	1,M,N	C4241-030	015BR16137 / R-HON-002H	-
K594M845AP	84,50	3,50	30,00	8,3	0,50-	13,0:1	21	8450XX	279	1,N	C4241-030	015BR16137 / R-HON-002H	-
K594M85AP	85,00	4,00	30,00	8,3	0,50-	13,1:1	21	8500XX	286	1,N	C4194-030	015BR16137 / R-HON-002H	-
K594M855AP	85,50	4,50	30,00	8,3	0,50-	13,3:1	21	8550XX	292	1,N	-	015BR16137 / R-HON-002H	-
K594M86AP	86,00	5,00	30,00	8,3	0,50-	13,4:1	21	8600XX	297	1,N	-	015BR16137 / R-HON-002H	-

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Honda PISTONS

B18 LS(A1/B1 with B16A VTEC Head)

OEM Engine details 1,8 Ltr 16V | Engine code:B18A1/B1 | • Displacement:1834 cc | • Valves:16 | • Comp. Ratio:9,2:1 | • Head cc's:42,70 | • Gasket thickness:0,75 | • Rod Length:137,00

Bore:81,00 | • Stroke:89,00 | • Block Ht:212,00

C/R with 0,84 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
302497	81,00	Std.	30,00	-7,6	0,50-	9,0:1	21	JG1004-3189	281	PS,S,T	HN1005-033	015BR16137 / R-HON-002H	-
302502	81,50	0,50	30,00	-8,2	0,50-	9,0:1	21	JG1004-3209	284	PS,S,T	HN1006-033	015BR16137 / R-HON-002H	-
338082	82,00	1,00	30,00	-9,5	0,50-	9,0:1	21	JG1004-3228	-	M,PS,S,T	HN1007-033	015BR16137 / R-HON-002H	-
338083	82,50	1,50	30,00	-10,2	0,50-	9,0:1	21	JG1004-3250	-	M,N,PS,S,T	HN1007-033	015BR16137 / R-HON-002H	-
338084	83,00	2,00	30,00	-10,8	0,50-	9,0:1	21	JG1004-3268	-	M,N,PS,S,T	HN1007-033	015BR16137 / R-HON-002H	-
302410	84,00	3,00	30,00	-11,4	0,50-	9,0:1	21	JG1004-3307	301	N,PS,S,T	HN1008-033	015BR16137 / R-HON-002H	-
302414	84,50	3,50	30,00	-12	0,50-	9,0:1	21	JG1004-3327	303	N,PS,S,T	HN1009-033	015BR16137 / R-HON-002H	-
302418	85,00	4,00	30,00	-12,7	0,50-	9,0:1	21	JG1004-3346	305	N,PS,S,T	HN1009-033	015BR16137 / R-HON-002H	-
302498	81,00	Std.	30,00	-1,4 FT	0,50-	10,0:1	21	JG1004-3189	290	PS,S,T	HN1005-033	015BR16137 / R-HON-002H	-
367841	81,00	Std.	30,00	-1,4 FT	0,50-	10,0:1	21	JG1004-3189	309	F,UL,T	HN1005-033	015BR16137 / R-HON-002H	-
302503	81,50	0,50	30,00	-1,9 FT	0,50-	10,0:1	21	JG1004-3209	296	PS,S,T	HN1006-033	015BR16137 / R-HON-002H	-
367842	81,50	0,50	30,00	-1,9 FT	0,50-	10,0:1	21	JG1004-3209	311	F,UL,T	HN1006-033	015BR16137 / R-HON-002H	-
338087	82,00	1,00	30,00	-2,2 FT	0,50-	10,0:1	21	JG1004-3228	-	M,PS,S,T	HN1007-033	015BR16137 / R-HON-002H	-
338085	82,50	1,50	30,00	-2,7 FT	0,50-	10,0:1	21	JG1004-3250	-	M,N,PS,S,T	HN1007-033	015BR16137 / R-HON-002H	-
338086	83,00	2,00	30,00	-3,3 FT	0,50-	10,0:1	21	JG1004-3268	-	M,N,PS,S,T	HN1007-033	015BR16137 / R-HON-002H	-
302411	84,00	3,00	30,00	-4,5 FT	0,50-	10,0:1	21	JG1004-3307	316	N,PS,S,T	HN1008-033	015BR16137 / R-HON-002H	-
367843	84,00	3,00	30,00	-4,5 FT	0,50-	10,0:1	21	JG1004-3307	320	F,UL,T	HN1008-033	015BR16137 / R-HON-002H	-
302415	84,50	3,50	30,00	-5 FT	0,50-	10,0:1	21	JG1004-3327	318	N,PS,S,T	HN1009-033	015BR16137 / R-HON-002H	-
367844	84,50	3,50	30,00	-5 FT	0,50-	10,0:1	21	JG1004-3327	322	F,UL,T	HN1009-033	015BR16137 / R-HON-002H	-
302419	85,00	4,00	30,00	-5,6 FT	0,50-	10,0:1	21	JG1004-3346	324	N,PS,S,T	HN1009-033	015BR16137 / R-HON-002H	-
367845	85,00	4,00	30,00	-5,6 FT	0,50-	10,0:1	21	JG1004-3346	324	F,UL,T	HN1009-033	015BR16137 / R-HON-002H	-
302499	81,00	Std.	30,00	5,7	0,50-	11,5:1	21	JG1004-3189	301	PS,S,T	HN1005-033	015BR16137 / R-HON-002H	-
302504	81,50	0,50	30,00	5,2	0,50-	11,5:1	21	JG1004-3209	306	PS,S,T	HN1006-033	015BR16137 / R-HON-002H	-
338088	82,00	1,00	30,00	4,5	0,50-	11,5:1	21	JG1004-3228	-	M,PS,S,T	HN1007-033	015BR16137 / R-HON-002H	-
338089	82,50	1,50	30,00	4,0	0,50-	11,5:1	21	JG1004-3250	-	M,N,PS,S,T	HN1007-033	015BR16137 / R-HON-002H	-
338090	83,00	2,00	30,00	3,5	0,50-	11,5:1	21	JG1004-3268	-	M,N,PS,S,T	HN1007-033	015BR16137 / R-HON-002H	-
302412	84,00	3,00	30,00	3,2	0,50-	11,5:1	21	JG1004-3307	321	N,PS,S,T	HN1008-033	015BR16137 / R-HON-002H	-
302416	84,50	3,50	30,00	2,8	0,50-	11,5:1	21	JG1004-3327	326	N,PS,S,T	HN1009-033	015BR16137 / R-HON-002H	
302420	85,00	4,00	30,00	2,3	0,50-	11,5:1	21	JG1004-3346	328	N,PS,S,T	HN1009-033	015BR16137 / R-HON-002H	-
302500	81,00	Std.	30,00	9,4	0,50-	12,5:1	21	JG1004-3189	308	PS,S,V	HN1005-033	015BR16137 / R-HON-002H	-
302505	81,50	0,50	30,00	9	0,50-	12,5:1	21	JG1004-3209	311	PS,S,V	HN1006-033	015BR16137 / R-HON-002H	-
312417	82,00	1,00	30,00	9	0,50-	12,5:1	21	JG1004-3228	335	M,PS,S,V	HN1006-033	015BR16137 / R-HON-002H	-
338091	82,50	1,50	30,00	8,6	0,50-	12,5:1	21	JG1004-3250	-	M,N,PS,S,V	HN1007-033	015BR16137 / R-HON-002H	-
338092	83,00	2,00	30,00	8,2	0,50-	12,5:1	21	JG1004-3268	-	M,N,PS,S,V	HN1007-033	015BR16137 / R-HON-002H	-
302413	84,00	3,00	30,00	7,4	0,50-	12,5:1	21	JG1004-3307	332	N,PS,S,V	HN1008-033	015BR16137 / R-HON-002H	-
302417	84,50	3,50	30,00	6,9	0,50-	12,5:1	21	JG1004-3327	334	N,PS,S,V	HN1009-033	015BR16137 / R-HON-002H	-
302421	85,00	4,00	30,00	6,6	0,50-	12,5:1	21	JG1004-3346	338	N,PS,S,V	HN1009-033	015BR16137 / R-HON-002H	-
338093	86,00	5,00	30,00	9,0	0,50-	13,8:1	21	JG1004-3386	-	M,N,PS,S,V	-	015BR16137 / R-HON-002H	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1946H(HX/0,025/0,25)	5M1959H(HX/0,025/0,25)	1T1957	208-4303	208-6401	208-5403
	4B1946HD(HDX/0,025/0,25) (w/ Dowel Hole)	-	-	-	-	-
KING	CR 439XP	MB5259XP	TW 140AM			
	CR 439XPC	MB5259XPC	-			
	CR 439XPD	-	-			
	CR 439XPDC	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Honda PISTONS

B18C1 V-TEC as in Integra

OEM Engine details 1,8 Ltr 16V | Engine code:B18C1 | Bore:81,00 | • Displacement:1797 cc | • Stroke:87,20 | • Valves:16 | • Block Ht:212,00 | • Comp. Ratio:10,0:1 | • Head cc's:41,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes
K541M81AP	81,00	Std.	30,00	-12	0,40-	8,6:1	21	8100XX	295	1
K541M8125AP	81,25	0,25	30,00	-12	0,40-	8,6:1	21	8125XX	296	1,M
K541M815AP	81,50	0,50	30,00	-12	0,40-	8,6:1	21	8150XX	301	1
K541M82AP	82,00	1,00	30,00	-12	0,40-	8,6:1	21	8200XX	306	1
K673M81AP	81,00	Std.	30,00	-8	0,40-	9,1:1	21	8100XX	293	1,M
K673M815AP	81,50	0,50	30,00	-8	0,40-	9,1:1	21	8150XX	298	1,M
K673M82AP	82,00	1,00	30,00	-8	0,40-	9,1:1	21	8200XX	303	1,M
K649M84	84,00	3,00	30,00	-10	0,40-	9,3:1	21	8400XX	320	1,N
K649M845	84,50	3,50	30,00	-10	0,40-	9,4:1	21	8450XX	326	1,N
K649M85	85,00	4,00	30,00	-10	0,40-	9,5:1	21	8500XX	332	1,M,N
K542M81AP	81,00	Std.	29,85	-2,4FT	0,55-	10,0:1	21	8100XX	280	1,F
K542M8125AP	81,25	0,25	29,85	-2,4FT	0,55-	10,0:1	21	8125XX	281	1,F,M
K542M815AP	81,50	0,50	29,85	-2,4FT	0,55-	10,0:1	21	8150XX	285	1,F
K542M82AP	82,00	1,00	29,85	-2,4FT	0,55-	10,0:1	21	8200XX	296	1,F
K623M84	84,00	3,00	30,00	-2,3FT	0,40-	10,6:1	21	8400XX	291	1,N
K623M845	84,50	3,50	30,00	-2,3FT	0,40-	10,7:1	21	8450XX	296	1,N
K566M81AP	81,00	Std.	30,10	5	0,30-	11,8:1	21	8100XX	275	1
K566M8125AP	81,25	0,25	30,10	5	0,30-	11,8:1	21	8125XX	279	1,M
K566M815AP	81,50	0,50	30,10	5	0,30-	11,8:1	21	8150XX	281	1
K566M82AP	82,00	1,00	30,10	5	0,30-	11,8:1	21	8200XX	287	1
K593M81AP	81,00	Std.	30,00	8,3	0,40-	12,5:1	21	8100XX	270	1
K593M8125AP	81,25	0,25	30,00	8,3	0,40-	12,5:1	21	8125XX	274	1,M
K593M815AP	81,50	0,50	30,00	8,3	0,40-	12,5:1	21	8150XX	278	1
K593M82AP	82,00	1,00	30,00	8,3	0,40-	12,5:1	21	8200XX	281	1
K594M84AP	84,00	3,00	30,00	8,3	0,40-	13,1:1	21	8400XX	275	1,N
K594M8425AP	84,25	3,25	30,00	8,3	0,40-	13,2:1	21	8425XX	277	1,M,N
K594M845AP	84,50	3,50	30,00	8,3	0,40-	13,2:1	21	8450XX	279	1,N
K594M85AP	85,00	4,00	30,00	8,3	0,40-	13,4:1	21	8500XX	286	1,N
K594M855AP	85,50	4,50	30,00	8,3	0,40-	13,5:1	21	8550XX	292	1,N
K594M86AP	86,00	5,00	30,00	8,3	0,40-	13,6:1	21	8600XX	297	1,N



When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

COMPLEMENTARY PARTS

• Gasket thickness:0,75 • Rod Length:138,00

Head Gasket	Connecting Rods	Crank
W6602	015BS16138 / HN5433-827 / R-HON-003I	-
W6602	015BS16138 / HN5433-827 / R-HON-003I	-
W6602	015BS16138 / HN5433-827 / R-HON-003I	-
W6167	015BS16138 / HN5433-827 / R-HON-003I	-
W6602	015BS16138 / HN5433-827 / R-HON-003-I	-
W6602	015BS16138 / HN5433-827 / R-HON-003-I	-
W6167	015BS16138 / HN5433-827 / R-HON-003-I	-
W6084	015BS16138 / HN5433-827 / R-HON-EN24-003	-
W6291	015BS16138 / HN5433-827 / R-HON-EN24-003	-
W6291	015BS16138 / HN5433-827 / R-HON-EN24-003	-
W6602	015BS16138 / HN5433-827 / R-HON-003H	-
W6602	015BS16138 / HN5433-827 / R-HON-003H	-
W6602	015BS16138 / HN5433-827 / R-HON-003H	-
W6167	015BS16138 / HN5433-827 / R-HON-003H	-
W6084	015BS16138 / HN5433-827 / R-HON-003H	-
W6291	015BS16138 / HN5433-827 / R-HON-003H	-
W6602	015BS16138 / HN5433-827 / R-HON-003H	-
W6602	015BS16138 / HN5433-827 / R-HON-003H	-
W6602	015BS16138 / HN5433-827 / R-HON-003H	-
W6167	015BS16138 / HN5433-827 / R-HON-003H	-
W6602	015BS16138 / HN5433-827 / R-HON-003H	-
W6602	015BS16138 / HN5433-827 / R-HON-003H	-
W6602	015BS16138 / HN5433-827 / R-HON-003H	-
W6167	015BS16138 / HN5433-827 / R-HON-003H	-
W6084	015BS16138 / HN5433-827 / R-HON-003HL	-
W6291	015BS16138 / HN5433-827 / R-HON-003HL	-
W6291	015BS16138 / HN5433-827 / R-HON-003HL	-
W6291	015BS16138 / HN5433-827 / R-HON-003HL	-
H1342SP2027S	015BS16138 / HN5433-827 / R-HON-003HL	-
H1342SP1030S	015BS16138 / HN5433-827 / R-HON-003HL	-



Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

Honda PISTONS

COMPLEMENTARY PARTS

B18C1 V-TEC as in Integra

OEM Engine details 1,8 Ltr 16V | Engine code:B18C1 | Bore:81,00 | • Displacement:1797 cc | • Stroke:87,20 | • Valves:16 | • Block Ht:212,00 | • Comp. Ratio:10,0:1 | • Head cc's:41,50 | • Gasket thickness:0,75 | • Rod Length:138,00

C/R with 0,84 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
302497	81,00	Std.	30,00	-7,6	0,40-	9,0:1	21	JG1004-3189	281	PS,S,T	HN1000-033	015BS16138 / HN5433-827 / R-HON-003I	-
302502	81,50	0,50	30,00	-8,2	0,40-	9,0:1	21	JG1004-3209	284	PS,S,T	HN1000-033	015BS16138 / HN5433-827 / R-HON-003I	-
338082	82,00	1,00	30,00	-9,5	0,40-	9,0:1	21	JG1004-3228	-	M,PS,S,T	HN1001-033	015BS16138 / HN5433-827 / R-HON-003I	-
338083	82,50	1,50	30,00	-10,2	0,40-	9,0:1	21	JG1004-3250	-	M,N,PS,S,T	HN1002-033	015BS16138 / HN5433-827 / R-HON-003I	-
338084	83,00	2,00	30,00	-10,8	0,40-	9,0:1	21	JG1004-3268	-	M,N,PS,S,T	HN1002-033	015BS16138 / HN5433-827 / R-HON-003I	-
302410	84,00	3,00	30,00	-11,4	0,40-	9,0:1	21	JG1004-3307	301	N,PS,S,T	HN1003-033	015BS16138 / HN5433-827 / R-HON-003I	-
302414	84,50	3,50	30,00	-12	0,40-	9,0:1	21	JG1004-3327	303	N,PS,S,T	HN1004-033	015BS16138 / HN5433-827 / R-HON-003I	-
302418	85,00	4,00	30,00	-12,7	0,40-	9,0:1	21	JG1004-3346	305	N,PS,S,T	HN1004-033	015BS16138 / HN5433-827 / R-HON-003I	-
302498	81,00	Std.	30,00	-1,4 FT	0,40-	10,0:1	21	JG1004-3189	290	PS,S,T	HN1000-033	015BS16138 / HN5433-827 / R-HON-003H	-
367841	81,00	Std.	30,00	-1,4 FT	0	10,0:1	21	JG1004-3189	309	F,UL,T	HN1000-033	015BS16138 / HN5433-827 / R-HON-003I	-
302503	81,50	0,50	30,00	-1,9 FT	0,40-	10,0:1	21	JG1004-3209	296	PS,S,T	HN1000-033	015BS16138 / HN5433-827 / R-HON-003H	-
367842	81,50	0,50	30,00	-1,9 FT	0	10,0:1	21	JG1004-3209	311	F,UL,T	HN1001-033	015BS16138 / HN5433-827 / R-HON-003I	-
338087	82,00	1,00	30,00	-2,2 FT	0,40-	10,0:1	21	JG1004-3228	-	M,PS,S,T	HN1001-033	015BS16138 / HN5433-827 / R-HON-003H	-
338085	82,50	1,50	30,00	-2,7 FT	0,40-	10,0:1	21	JG1004-3250	-	M,N,PS,S,T	HN1002-033	015BS16138 / HN5433-827 / R-HON-003H	-
338086	83,00	2,00	30,00	-3,3 FT	0,40-	10,0:1	21	JG1004-3268	-	M,N,PS,S,T	HN1002-033	015BS16138 / HN5433-827 / R-HON-003H	-
302411	84,00	3,00	30,00	-4,5 FT	0,40-	10,0:1	21	JG1004-3307	316	N,PS,S,T	HN1003-033	015BS16138 / HN5433-827 / R-HON-003H	-
367843	84,00	3,00	30,00	-4,5 FT	0	10,0:1	21	JG1004-3307	320	F,UL,T	HN1004-033	015BS16138 / HN5433-827 / R-HON-003I	-
302415	84,50	3,50	30,00	-5 FT	0,40-	10,0:1	21	JG1004-3327	318	N,PS,S,T	HN1004-033	015BS16138 / HN5433-827 / R-HON-003H	-
367844	84,50	3,50	30,00	-5 FT	0	10,0:1	21	JG1004-3327	322	F,UL,T	HN1004-033	015BS16138 / HN5433-827 / R-HON-003I	-
302419	85,00	4,00	30,00	-5,6 FT	0,40-	10,0:1	21	JG1004-3346	324	N,PS,S,T	HN1004-033	015BS16138 / HN5433-827 / R-HON-003H	-
367845	85,00	4,00	30,00	-5,6 FT	0	10,0:1	21	JG1004-3346	324	F,UL,T	HN1004-033	015BS16138 / HN5433-827 / R-HON-003I	-
302499	81,00	Std.	30,00	5,7	0,40-	11,5:1	21	JG1004-3189	301	PS,S,T	HN1000-033	015BS16138 / HN5433-827 / R-HON-003H	-
302504	81,50	0,50	30,00	5,2	0,40-	11,5:1	21	JG1004-3209	306	PS,S,T	HN1000-033	015BS16138 / HN5433-827 / R-HON-003H	-
338088	82,00	1,00	30,00	4,5	0,40-	11,5:1	21	JG1004-3228	-	M,PS,S,T	HN1001-033	015BS16138 / HN5433-827 / R-HON-003H	-
338089	82,50	1,50	30,00	4,0	0,40-	11,5:1	21	JG1004-3250	-	M,N,PS,S,T	HN1002-033	015BS16138 / HN5433-827 / R-HON-003H	-
338090	83,00	2,00	30,00	3,5	0,40-	11,5:1	21	JG1004-3268	-	M,N,PS,S,T	HN1002-033	015BS16138 / HN5433-827 / R-HON-003H	-
302412	84,00	3,00	30,00	3,2	0,40-	11,5:1	21	JG1004-3307	321	N,PS,S,T	HN1003-033	015BS16138 / HN5433-827 / R-HON-003H	-
302416	84,50	3,50	30,00	2,8	0,40-	11,5:1	21	JG1004-3327	326	N,PS,S,T	HN1004-033	015BS16138 / HN5433-827 / R-HON-003H	-
302420	85,00	4,00	30,00	2,3	0,40-	11,5:1	21	JG1004-3346	328	N,PS,S,T	HN1004-033	015BS16138 / HN5433-827 / R-HON-003H	-
302500	81,00	Std.	30,00	9,4	0,40-	12,5:1	21	JG1004-3189	308	PS,S,V	HN1000-033	015BS16138 / HN5433-827 / R-HON-003H	-
302505	81,50	0,50	30,00	9	0,40-	12,5:1	21	JG1004-3209	311	PS,S,V	HN1000-033	015BS16138 / HN5433-827 / R-HON-003H	-
312417	82,00	1,00	30,00	9	0,40-	12,5:1	21	JG1004-3228	335	M,PS,S,V	HN1001-033	015BS16138 / HN5433-827 / R-HON-003H	-
338091	82,50	1,50	30,00	8,6	0,40-	12,5:1	21	JG1004-3250	-	M,N,PS,S,V	HN1002-033	015BS16138 / HN5433-827 / R-HON-003H	-
338092	83,00	2,00	30,00	8,2	0,40-	12,5:1	21	JG1004-3268	-	M,N,PS,S,V	HN1002-033	015BS16138 / HN5433-827 / R-HON-003H	-
302413	84,00	3,00	30,00	7,4	0,40-	12,5:1	21	JG1004-3307	332	N,PS,S,V	HN1003-033	015BS16138 / HN5433-827 / R-HON-003H	-
302417	84,50	3,50	30,00	6,9	0,40-	12,5:1	21	JG1004-3327	334	N,PS,S,V	HN1004-033	015BS16138 / HN5433-827 / R-HON-003H	-
302421	85,00	4,00	30,00	6,6	0,40-	12,5:1	21	JG1004-3346	338	N,PS,S,V	HN1004-033	015BS16138 / HN5433-827 / R-HON-003H	-
338093	86,00	5,00	30,00	9,0	0,40-	13,8:1	21	JG1004-3386	-	M,N,PS,S,V	H1342SP1030S	015BS16138 / HN5433-827 / R-HON-003HL	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1925H(HX/0,025/0,25)	5M1959H(HX/0,025/0,25)	1T1957	208-4303	208-6401	208-5403
	4B1925HD(HDX/0,025/0,25) (w/ Dowel Hole)	-	-	-	-	-
KING	CR4287XP	MB5259XP	TW 140AM			
	CR4287XPD	MB5259XPC	-			
	CR4287XPDC	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Honda PISTONS

COMPLEMENTARY PARTS

B18C5 as in Intergra Type R '97-01

OEM Engine details 1,8 Ltr 16V | Engine code:B18C5 | Bore:81,00 | • Displacement:1797 cc | • Stroke:87,20 | • Valves:16 | • Block Ht:212,00 | • Comp. Ratio:10,6:1 | • Head cc's:42,70 | • Gasket thickness:0,60 | • Rod Length:138,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K541M81AP	81,00	Std.	30,00	-12	0,40-	8,35:1	21	8100XX	295	1	W6602	015BS16138 / HN5433-827 / R-HON-003I	-
K541M8125AP	81,25	0,25	30,00	-12	0,40-	8,35:1	21	8125XX	296	1,M	W6602	015BS16138 / HN5433-827 / R-HON-003I	-
K541M815AP	81,50	0,50	30,00	-12	0,40-	8,35:1	21	8150XX	301	1	W6602	015BS16138 / HN5433-827 / R-HON-003I	-
K541M82AP	82,00	1,00	30,00	-12	0,40-	8,35:1	21	8200XX	306	1	W6167	015BS16138 / HN5433-827 / R-HON-003I	-
K673M81AP	81,00	Std.	30,00	-8	0,40-	8,85:1	21	8100XX	293	1,M	W6602	015BS16138 / HN5433-827 / R-HON-003I	-
K673M815AP	81,50	0,50	30,00	-8	0,40-	8,85:1	21	8150XX	298	1,M	W6602	015BS16138 / HN5433-827 / R-HON-003I	-
K673M82AP	82,00	1,00	30,00	-8	0,40-	8,85:1	21	8200XX	303	1,M	W6167	015BS16138 / HN5433-827 / R-HON-003I	-
K649M84	84,00	3,00	30,00	-10	0,40-	9,1:1	21	8400XX	320	1,N	W6084	015BS16138 / HN5433-827 / R-HON-003-I	-
K649M845	84,50	3,50	30,00	-10	0,40-	9,2:1	21	8450XX	326	1,N	W6291	015BS16138 / HN5433-827 / R-HON-003-I	-
K649M85	85,00	4,00	30,00	-10	0,40-	9,3:1	21	8500XX	332	1,M,N	W6291	015BS16138 / HN5433-827 / R-HON-003-I	-
K542M81AP	81,00	Std.	29,85	-2,4FT	0,55-	9,75:1	21	8100XX	280	1,F	W6602	015BS16138 / HN5433-827 / R-HON-EN24-003	-
K542M8125AP	81,25	0,25	29,85	-2,4FT	0,55-	9,75:1	21	8125XX	281	1,F,M	W6602	015BS16138 / HN5433-827 / R-HON-EN24-003	-
K542M815AP	81,50	0,50	29,85	-2,4FT	0,55-	9,75:1	21	8150XX	285	1,F	W6602	015BS16138 / HN5433-827 / R-HON-EN24-003	-
K542M82AP	82,00	1,00	29,85	-2,4FT	0,55-	9,75:1	21	8200XX	296	1,F	W6167	015BS16138 / HN5433-827 / R-HON-EN24-003	-
K623M84	84,00	3,00	30,00	-2,3FT	0,40-	10,4:1	21	8400XX	291	1,N	W6084	015BS16138 / HN5433-827 / R-HON-003H	-
K623M845	84,50	3,50	30,00	-2,3FT	0,40-	10,6:1	21	8450XX	296	1,N	W6291	015BS16138 / HN5433-827 / R-HON-003H	-
K566M81AP	81,00	Std.	30,10	5	0,30-	11,55:1	21	8100XX	275	1	W6602	015BS16138 / HN5433-827 / R-HON-003H	-
K566M8125AP	81,25	0,25	30,10	5	0,30-	11,55:1	21	8125XX	279	1,M	W6602	015BS16138 / HN5433-827 / R-HON-003H	-
K566M815AP	81,50	0,50	30,10	5	0,30-	11,55:1	21	8150XX	281	1	W6602	015BS16138 / HN5433-827 / R-HON-003H	-
K566M82AP	82,00	1,00	30,10	5	0,30-	11,55:1	21	8200XX	287	1	W6167	015BS16138 / HN5433-827 / R-HON-003H	-
K593M81AP	81,00	Std.	30,00	8,3	0,40-	12,25:1	21	8100XX	270	1	W6602	015BS16138 / HN5433-827 / R-HON-003HL	-
K593M8125AP	81,25	0,25	30,00	8,3	0,40-	12,25:1	21	8125XX	274	1,M	W6602	015BS16138 / HN5433-827 / R-HON-003HL	-
K593M815AP	81,50	0,50	30,00	8,3	0,40-	12,25:1	21	8150XX	278	1	W6602	015BS16138 / HN5433-827 / R-HON-003HL	-
K593M82AP	82,00	1,00	30,00	8,3	0,40-	12,25:1	21	8200XX	281	1	W6167	015BS16138 / HN5433-827 / R-HON-003HL	-
K594M84AP	84,00	3,00	30,00	8,3	0,40-	12,8:1	21	8400XX	275	1,N	W6084	015BS16138 / HN5433-827 / R-HON-003HL	-
K594M8425AP	84,25	3,25	30,00	8,3	0,40-	13,0:1	21	8425XX	277	1,M,N	W6291	015BS16138 / HN5433-827 / R-HON-003HL	-
K594M845AP	84,50	3,50	30,00	8,3	0,40-	13,0:1	21	8450XX	279	1,N	W6291	015BS16138 / HN5433-827 / R-HON-003HL	-
K594M85AP	85,00	4,00	30,00	8,3	0,40-	13,2:1	21	8500XX	286	1,N	W6291	015BS16138 / HN5433-827 / R-HON-003HL	-
K594M855AP	85,50	4,50	30,00	8,3	0,40-	13,3:1	21	8550XX	292	1,N	H1342SP2027S	015BS16138 / HN5433-827 / R-HON-003HL	-
K594M86AP	86,00	5,00	30,00	8,3	0,40-	13,4:1	21	8600XX	297	1,N	H1342SP1030S	015BS16138 / HN5433-827 / R-HON-003HL	-





When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Honda PISTONS

COMPLEMENTARY PARTS

B18C5 as in Intergra Type R '97-01

OEM Engine details 1,8 Ltr 16V | Engine code:B18C5 | Bore:81,00 | • Displacement:1797 cc | • Stroke:87,20 | • Valves:16 | • Block Ht:212,00 | • Comp. Ratio:10,6:1 | • Head cc's:42,70 | • Gasket thickness:0,60 | • Rod Length:138,00

C/R with 0,84 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
302497	81,00	Std.	30,00	-7,6	0,40-	8,8:1	21	JG1004-3189	281	PS,S,T	HN1000-033	015BS16138 / HN5433-827 / R-HON-003I	-
302502	81,50	0,50	30,00	-8,2	0,40-	8,8:1	21	JG1004-3209	284	PS,S,T	HN1000-033	015BS16138 / HN5433-827 / R-HON-003I	-
338082	82,00	1,00	30,00	-9,5	0,40-	8,8:1	21	JG1004-3228	-	M,PS,S,T	HN1001-033	015BS16138 / HN5433-827 / R-HON-003I	-
338083	82,50	1,50	30,00	-10,2	0,40-	8,8:1	21	JG1004-3250	-	M,N,PS,S,T	HN1002-033	015BS16138 / HN5433-827 / R-HON-003I	-
338084	83,00	2,00	30,00	-10,8	0,40-	8,8:1	21	JG1004-3268	-	M,N,PS,S,T	HN1002-033	015BS16138 / HN5433-827 / R-HON-003I	-
302410	84,00	3,00	30,00	-11,4	0,40-	8,8:1	21	JG1004-3307	301	N,PS,S,T	HN1003-033	015BS16138 / HN5433-827 / R-HON-003I	-
302414	84,50	3,50	30,00	-12	0,40-	8,8:1	21	JG1004-3327	303	N,PS,S,T	HN1004-033	015BS16138 / HN5433-827 / R-HON-003I	-
302418	85,00	4,00	30,00	-12,7	0,40-	8,8:1	21	JG1004-3346	305	N,PS,S,T	HN1004-033	015BS16138 / HN5433-827 / R-HON-003I	-
367841	81,00	Std.	30,00	-1,4 FT	0	9.75:1	21	JG1004-3189	309	F,UL,T	HN1000-033	015BS16138 / HN5433-827 / R-HON-EN24-003	-
367842	81,50	0,50	30,00	-1,9 FT	0	9.75:1	21	JG1004-3209	311	F,UL,T	HN1001-033	015BS16138 / HN5433-827 / R-HON-EN24-003	-
367843	84,00	3,00	30,00	-4,5 FT	0	9.75:1	21	JG1004-3307	320	F,UL,T	HN1004-033	015BS16138 / HN5433-827 / R-HON-EN24-003	-
367844	84,50	3,50	30,00	-5 FT	0	9.75:1	21	JG1004-3327	322	F,UL,T	HN1004-033	015BS16138 / HN5433-827 / R-HON-EN24-003	-
367845	85,00	4,00	30,00	-5,6 FT	0	9.75:1	21	JG1004-3346	324	F,UL,T	HN1004-033	015BS16138 / HN5433-827 / R-HON-EN24-003	-
302498	81,00	Std.	30,00	-1,4 FT	0,40-	9,8:1	21	JG1004-3189	290	PS,S,T	HN1000-033	015BS16138 / HN5433-827 / R-HON-EN24-003	-
302503	81,50	0,50	30,00	-1,9 FT	0,40-	9,8:1	21	JG1004-3209	296	PS,S,T	HN1000-033	015BS16138 / HN5433-827 / R-HON-EN24-003	-
338087	82,00	1,00	30,00	-2,2 FT	0,40-	9,8:1	21	JG1004-3228	-	M,PS,S,T	HN1001-033	015BS16138 / HN5433-827 / R-HON-EN24-003	-
338085	82,50	1,50	30,00	-2,7 FT	0,40-	9,8:1	21	JG1004-3250	-	M,N,PS,S,T	HN1002-033	015BS16138 / HN5433-827 / R-HON-EN24-003	-
338086	83,00	2,00	30,00	-3,3 FT	0,40-	9,8:1	21	JG1004-3268	-	M,N,PS,S,T	HN1002-033	015BS16138 / HN5433-827 / R-HON-EN24-003	-
302411	84,00	3,00	30,00	-4,5 FT	0,40-	9,8:1	21	JG1004-3307	316	N,PS,S,T	HN1003-033	015BS16138 / HN5433-827 / R-HON-EN24-003	-
302415	84,50	3,50	30,00	-5 FT	0,40-	9,8:1	21	JG1004-3327	318	N,PS,S,T	HN1004-033	015BS16138 / HN5433-827 / R-HON-EN24-003	-
302419	85,00	4,00	30,00	-5,6 FT	0,40-	9,8:1	21	JG1004-3346	324	N,PS,S,T	HN1004-033	015BS16138 / HN5433-827 / R-HON-EN24-003	-
302499	81,00	Std.	30,00	5,7	0,40-	11,3:1	21	JG1004-3209	301	PS,S,T	HN1000-033	015BS16138 / HN5433-827 / R-HON-003H	-
302504	81,50	0,50	30,00	5,2	0,40-	11,3:1	21	JG1004-3209	306	PS,S,T	HN1000-033	015BS16138 / HN5433-827 / R-HON-003H	-
338088	82,00	1,00	30,00	4,5	0,40-	11,3:1	21	JG1004-3228	-	M,PS,S,T	HN1001-033	015BS16138 / HN5433-827 / R-HON-003H	-
338089	82,50	1,50	30,00	4,0	0,40-	11,3:1	21	JG1004-3250	-	M,N,PS,S,T	HN1002-033	015BS16138 / HN5433-827 / R-HON-003H	-
338090	83,00	2,00	30,00	3,5	0,40-	11,3:1	21	JG1004-3268	-	M,N,PS,S,T	HN1002-033	015BS16138 / HN5433-827 / R-HON-003H	-
302412	84,00	3,00	30,00	3,2	0,40-	11,3:1	21	JG1004-3307	321	N,PS,S,T	HN1003-033	015BS16138 / HN5433-827 / R-HON-003H	-
302416	84,50	3,50	30,00	2,8	0,40-	11,3:1	21	JG1004-3327	326	N,PS,S,T	HN1004-033	015BS16138 / HN5433-827 / R-HON-003H	-
302420	85,00	4,00	30,00	2,3	0,40-	11,3:1	21	JG1004-3346	328	N,PS,S,T	HN1004-033	015BS16138 / HN5433-827 / R-HON-003H	-
302500	81,00	Std.	30,00	9,4	0,40-	12,3:1	21	JG1004-3189	308	PS,S,V	HN1000-033	015BS16138 / HN5433-827 / R-HON-003HL	-
302505	81,50	0,50	30,00	9	0,40-	12,3:1	21	JG1004-3209	311	PS,S,V	HN1000-033	015BS16138 / HN5433-827 / R-HON-003HL	-
312417	82,00	1,00	30,00	9	0,40-	12,3:1	21	JG1004-3228	335	M,PS,S,V	HN1001-033	015BS16138 / HN5433-827 / R-HON-003HL	-
338091	82,50	1,50	30,00	8,6	0,40-	12,3:1	21	JG1004-3250	-	M,N,PS,S,V	HN1002-033	015BS16138 / HN5433-827 / R-HON-003HL	-
338092	83,00	2,00	30,00	8,2	0,40-	12,3:1	21	JG1004-3268	-	M,N,PS,S,V	HN1002-033	015BS16138 / HN5433-827 / R-HON-003HL	-
302413	84,00	3,00	30,00	7,4	0,40-	12,3:1	21	JG1004-3307	332	N,PS,S,V	HN1003-033	015BS16138 / HN5433-827 / R-HON-003HL	-
302417	84,50	3,50	30,00	6,9	0,40-	12,3:1	21	JG1004-3346	334	N,PS,S,V	HN1004-033	015BS16138 / HN5433-827 / R-HON-003HL	-
302421	85,00	4,00	30,00	6,6	0,40-	12,3:1	21	JG1004-3189	338	N,PS,S,V	HN1004-033	015BS16138 / HN5433-827 / R-HON-003HL	-
338093	86,00	5,00	30,00	9,0	0,40-	13,5:1	21	JG1004-3386	-	M,N,PS,S,V	H1342SP1030S	015BS16138 / HN5433-827 / R-HON-003HL	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1925H(HX/0,025/0,25)	5M1959H(HX/0,025/0,25)	1T1957	208-4303	208-6401	208-5403
	4B1925HD(HDX/0,025/0,25) (w/ Dowel Hole)	-	-	-	-	-
KING	CR4287XP	MB5259XP	TW 140AM			
	CR4287XPD	MB5259XPC	-			
	CR4287XPDC	-	-			

R18A as in Civic

OEM Engine details 1,8 Ltr 16V | Engine code:R18A | Bore:81,00 | • Displacement:1799 cc | • Stroke:87,30 | • Valves:16 | • Block Ht:230,00 | • Comp. Ratio:10,5:1 | • Head cc's:40,50 | • Gasket thickness:1,00 | • Rod Length:157,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K672M81AP	81,00	Std.	28,75	-10	0,10-	9,0:1	20	8100XX	-	1,M	-	-	-
K672M8125AP	81,25	0,25	28,75	-10	0,10-	9,0:1	20	8125XX	-	1,M	-	-	-
K672M815AP	81,50	0,50	28,75	-10	0,10-	9,0:1	20	8150XX	-	1,M	-	-	-
K672M82AP	82,00	1,00	28,75	-10	0,10-	9,0:1	20	8200XX	-	1,M	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Honda PISTONS

COMPLEMENTARY PARTS

B20B with VTEC head(CRV/VTEC)

OEM Engine details 2,0 Ltr 16V Engine code:B20B • Displacement:1973 cc • Valves:16 • Comp. Ratio:8,8:1 • Head cc's:42,70 • Gasket thickness:0,71 • Rod Length:137,00

Bore:84,00 • Stroke:89,00 • Block Ht:212,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K545M84	84,00	Std.	30,00	-18	0,50-	8,4:1	21	8400XX	271	1	W6089 (Vtec)/W6087	015BR16137 / R-HON-002-I	-
K545M845	84,50	0,50	30,00	-18	0,50-	8,4:1	21	8450XX	277	1	W6087	015BR16137 / R-HON-002-I	-
K545M85	85,00	1,00	30,00	-18	0,50-	8,4:1	21	8500XX	284	1,M	W6087	015BR16137 / R-HON-002-I	-
K649M84	84,00	Std.	30,00	-10	0,50-	9,3:1	21	8400XX	320	1	W6087	015BR16137 / R-HON-002-I	-
K649M845	84,50	0,50	30,00	-10	0,50-	9,3:1	21	8450XX	326	1	W6087	015BR16137 / R-HON-002-I	-
K649M85	85,00	1,00	30,00	-10	0,50-	9,3:1	21	8500XX	332	1,M	W6087	015BR16137 / R-HON-002-I	-
K623M84	84,00	Std.	30,00	-2,3FT	0,50-	10,6:1	21	8400XX	291	1	W6089 (Vtec)/W6087	015BR16137 / R-HON-002H	-
K623M845	84,50	0,50	30,00	-2,3FT	0,50-	10,6:1	21	8450XX	296	1	W6087	015BR16137 / R-HON-002H	-
K567M84AP	84,00	Std.	30,00	2	0,50-	11,4:1	21	8400XX	288	1	W6089 (Vtec)/W6087	015BR16137 / R-HON-002H	-
K567M8425AP	84,25	0,25	30,00	2	0,50-	11,4:1	21	8425XX	292	1,M	W6087	015BR16137 / R-HON-002H	-
K567M845AP	84,50	0,50	30,00	2	0,50-	11,4:1	21	8450XX	294	1	W6087	015BR16137 / R-HON-002H	-
K567M85AP	85,00	1,00	30,00	2	0,50-	11,4:1	21	8500XX	300	1	W6087	015BR16137 / R-HON-002H	-
K594M84AP	84,00	Std.	30,00	8,3	0,50-	13,0:1	21	8400XX	275	1	W6089 (Vtec)/W6087	015BR16137 / R-HON-002H	-
K594M8425AP	84,25	0,25	30,00	8,3	0,50-	13,0:1	21	8425XX	277	1,M	W6087	015BR16137 / R-HON-002H	-
K594M845AP	84,50	0,50	30,00	8,3	0,50-	13,0:1	21	8450XX	279	1	W6087	015BR16137 / R-HON-002H	-
K594M85AP	85,00	1,00	30,00	8,3	0,50-	13,0:1	21	8500XX	286	1	W6087	015BR16137 / R-HON-002H	-
K594M855AP	85,50	1,50	30,00	8,3	0,50-	13,0:1	21	8550XX	292	1	-	015BR16137 / R-HON-002H	-
K594M86AP	86,00	2,00	30,00	8,3	0,50-	13,0:1	21	8600XX	297	1	-	015BR16137 / R-HON-002H	-

C/R with 0,84 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
302410	84,00	Std.	30,00	-11,4	0,50-	9,0:1	21	JG1004-3307	301	N,PS,S,T	HN1004-033	015BR16137 / R-HON-002-I	-
302414	84,50	0,50	30,00	-12	0,50-	9,0:1	21	JG1004-3327	303	N,PS,S,T	HN1004-033	015BR16137 / R-HON-002-I	-
302418	85,00	1,00	30,00	-12,7	0,50-	9,0:1	21	JG1004-3346	305	N,PS,S,T	HN1004-033	015BR16137 / R-HON-002-I	-
302411	84,00	Std.	30,00	-4,5 FT	0,50-	10,0:1	21	JG1004-3307	316	N,PS,S,T	HN1004-033	015BR16137 / R-HON-002H	-
367843	84,00	Std.	30,00	-4,5 FT	0,50-	10,0:1	21	JG1004-3307	320	F,UL,T	HN1004-033		
367844	84,50	0,50	30,00	-5 FT	0,50-	10,0:1	21	JG1004-3327	322	F,UL,T	HN1004-033		
367845	85,00	1,00	30,00	-5,6 FT	0,50-	10,0:1	21	JG1004-3346	324	F,UL,T	HN1004-033		
302415	84,50	0,50	30,00	-5 FT	0,50-	10,0:1	21	JG1004-3327	318	N,PS,S,T	HN1004-033	015BR16137 / R-HON-002H	-
302419	85,00	1,00	30,00	-5,6 FT	0,50-	10,0:1	21	JG1004-3346	324	N,PS,S,T	HN1004-033	015BR16137 / R-HON-002H	-
302412	84,00	Std.	30,00	3,2	0,50-	11,5:1	21	JG1004-3307	321	N,PS,S,T	HN1004-033	015BR16137 / R-HON-002H	-
302416	84,50	0,50	30,00	2,8	0,50-	11,5:1	21	JG1004-3327	326	N,PS,S,T	HN1004-033	015BR16137 / R-HON-002H	-
302420	85,00	1,00	30,00	2,3	0,50-	11,5:1	21	JG1004-3346	328	N,PS,S,T	HN1004-033	015BR16137 / R-HON-002H	-
302413	84,00	Std.	30,00	7,4	0,50-	12,5:1	21	JG1004-3307	332	N,PS,S,V	HN1004-033	015BR16137 / R-HON-002H	-
302417	84,50	0,50	30,00	6,9	0,50-	12,5:1	21	JG1004-3327	334	N,PS,S,V	HN1004-033	015BR16137 / R-HON-002H	-
302421	85,00	1,00	30,00	6,6	0,50-	12,5:1	21	JG1004-3346	338	N,PS,S,V	HN1004-033	015BR16137 / R-HON-002H	-
338093	86,00	5,00	30,00	9,0	0,50-	13,8:1	21	JG1004-3386	-	M,N,PS,S,V	-	015BR16137 / R-HON-002H	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1946H(HX/0,025/0,25)	5M1959H(HX/0,025/0,25)	1T1957	208-4306	-	-
	4B1946HD(HDX/0,025/0,25) (w/ Dowel Hole)	-	-	-	-	-
KING	CR 439XP	MB5259XP	TW 140AM			
	CR 439XPC	MB5259XPC	-			
	CR 439XPD	-	-			
	CR 439XPDC	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Honda PISTONS

COMPLEMENTARY PARTS

K20A/Z as Civic/Integra Type R

OEM Engine details 2,0 Ltr 16V | Engine code:K20 | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:11,7:1 | • Head cc's:50,50 | • Gasket thickness:0,63 | • Rod Length:139,00

Bore:86,00 | • Stroke:86,00 | • Block Ht:212,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K568M86	86,00	Std.	30,00	-9	0	9,0:1	22	8600XX	290	1,M	W6600	015BW17139 / R-HON-010-I	-
K568M865	86,50	0,50	30,00	-9	0	9,0:1	22	8650XX	298	1	W6295	015BW17139 / R-HON-010-I	-
K568M87	87,00	1,00	30,00	-9	0	9,0:1	22	8700XX	303	1,M	W6295	015BW17139 / R-HON-010-I	-
K568M875	87,50	1,50	30,00	-9	0	9,0:1	22	8750XX	307	1	C4312-030	015BW17139 / R-HON-010-I	-
K568M88	88,00	2,00	30,00	-9	0	9,0:1	22	8800XX	312	1,M	C4312-030	015BW17139 / R-HON-010-I	-
K568M89	89,00	3,00	30,00	-9	0	9,0:1	22	8900XX	322	1,M	C4596-032	015BW17139 / R-HON-010-I	-
K631M86	86,00	Std.	30,00	-3,5 FT	0	9,8:1	22	8600XX	302	1	W6600	015BW17139 / R-HON-011I	-
K631M865	86,50	0,50	30,00	-3,5 FT	0	9,8:1	22	8650XX	316	1	W6295	015BW17139 / R-HON-011I	-
K631M87	87,00	1,00	30,00	-3,5 FT	0	9,8:1	22	8700XX	336	1	W6295	015BW17139 / R-HON-011I	-
K631M875	87,50	1,50	30,00	-3,5 FT	0	9,8:1	22	8750XX	346	1	C4312-030	015BW17139 / R-HON-011I	-
K634M865	86,50	0,50	30,00	5	0	11,0:1	22	8650XX	311	1	W6295	015BW17139 / R-HON-010H	-
K634M87	87,00	1,00	30,00	5	0	11,0:1	22	8700XX	316	1	W6295	015BW17139 / R-HON-010H	-
K634M8725	87,25	1,25	30,00	5	0	11,0:1	22	8725XX	320	1	C4312-030	015BW17139 / R-HON-010H	-
K634M875	87,50	1,50	30,00	5	0	11,0:1	22	8750XX	322	1	C4312-030	015BW17139 / R-HON-010H	-
K634M88	88,00	2,00	30,00	5	0	11,0:1	22	8800XX	327	1	C4312-030	015BW17139 / R-HON-010H	-
K634M89	89,00	3,00	30,00	5	0	11,0:1	22	8900XX	320	1	C4596-032	015BW17139 / R-HON-010H	-
K634M895	89,50	3,50	30,00	5	0	11,0:1	22	8950XX	335	1,M	-	015BW17139 / R-HON-010H	-
K573M86AP	86,00	Std.	30,00	8	0	11,7:1	22	8600XX	320	1	W6600	015BW17139 / R-HON-010H	-
K573M865AP	86,50	0,50	30,00	8	0	11,7:1	22	8650XX	330	1	W6295	015BW17139 / R-HON-010H	-
K573M87AP	87,00	1,00	30,00	8	0	11,7:1	22	8700XX	335	1	W6295	015BW17139 / R-HON-010H	-
K573M875AP	87,50	1,50	30,00	8	0	11,7:1	22	8750XX	342	1	C4312-030	015BW17139 / R-HON-010H	-
K573M88AP	88,00	2,00	30,00	8	0	11,7:1	22	8800XX	348	1	C4312-030	015BW17139 / R-HON-010H	-
K573M89AP	89,00	3,00	30,00	8	0	11,7:1	22	8900XX	360	1,M	C4596-032	015BW17139 / R-HON-010H	-
K650M86AP	86,00	Std.	30,00	10,5	0	12,4:1	22	8600XX	321	1,4	C4300-030	015BW17139L / R-HON-010HL	-
K650M865AP	86,50	0,50	30,00	10,5	0	12,4:1	22	8650XX	326	1,4	W6295	015BW17139L / R-HON-010HL	-
K650M87AP	87,00	1,00	30,00	10,5	0	12,4:1	22	8700XX	331	1,4	W6295	015BW17139L / R-HON-010HL	-
K650M875AP	87,50	1,50	30,00	10,5	0	12,4:1	22	8750XX	336	1,4	C4312-030	015BW17139L / R-HON-010HL	-
K650M88AP	88,00	2,00	30,00	10,5	0	12,4:1	22	8800XX	343	1,4	C4312-030	015BW17139L / R-HON-010HL	-
K650M89AP	89,00	3,00	30,00	10,5	0	12,4:1	22	8900XX	355	1,4	C4596-032	015BW17139L / R-HON-010HL	-





When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Honda PISTONS

COMPLEMENTARY PARTS

K20A/Z as Civic/Integra Type R

OEM Engine details 2,0 Ltr 16V | Engine code:K20 | Bore:86,00 | • Displacement:1998 cc | • Stroke:86,00 | • Valves:16 | • Block Ht:212,00 | • Comp. Ratio:11,7:1 | • Head cc's:50,50 | • Gasket thickness:0,63 | • Rod Length:139,00

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
296963	86,00	Std.	29,87	-4,7	0,13-	9,0:1	22	JG1004-3386	303	M,PS,S,T	C4300-040	015BW17139 / R-HON-010-I	-
296964	86,50	0,50	29,87	-5,3	0,13-	9,0:1	22	JG1004-3405	305	PS,S,T	C4311-040	015BW17139 / R-HON-010-I	-
309342	87,00	1,00	29,87	-5,9	0,13-	9,0:1	22	JG1004-3425	309	M,PS,S,T	C4311-040	015BW17139 / R-HON-010-I	-
309343	88,00	2,00	29,87	-7,2	0,13-	9,0:1	22	JG1004-3465	326	M,N,PS,S,T	C4312-040	015BW17139 / R-HON-010-I	-
242862	88,00	2,00	29,87	-7,6	0,13-	9,0:1	22	JG1004-3465	325	N,PS,R,T,V	C4312-040	015BW17139 / R-HON-010-I	-
309344	89,00	3,00	29,87	-8,5	0,13-	9,0:1	22	JG1004-3504	329	M,N,PS,S,T	C4313-040	015BW17139 / R-HON-010-I	-
317758	90,00	4,00	29,87	-10,7	0,13-	9,0:1	22	JG1004-3543	335	N,PS,S,T	-	015BW17139 / R-HON-010-I	-
361252	86,25	0,25	29,87	-4,9	0,13-	9,25:1	22	JG1004-3396	304	PS,S	C4311-040	015BW17139 / R-HON-010-I	-
361270	86,00	Std	29,87	0,7	0,13-	10,0:1	22	JG1004-3386	-	F,PS,UL	C4300-040	015BW17139 / R-HON-011I	-
361271	86,25	0,25	29,87	0,4	0,13-	10,0:1	22	JG1004-3396	-	F,PS,UL	C4311-040	015BW17139 / R-HON-011I	-
361272	86,50	0,50	29,87	0,2	0,13-	10,0:1	22	JG1004-3405	-	F,PS,UL	C4311-040	015BW17139 / R-HON-011I	-
361273	87,00	1,00	29,87	-0,4	0,13-	10,0:1	22	JG1004-3425	-	F,PS,UL	C4311-040	015BW17139 / R-HON-011I	-
361274	87,50	1,50	29,87	-1	0,13-	10,0:1	22	JG1004-3445	-	F,PS,UL	C4311-040	015BW17139 / R-HON-011I	-
361275	88,00	2,00	29,87	-1,6	0,13-	10,0:1	22	JG1004-3465	-	F,PS,UL	C4312-040	015BW17139 / R-HON-011I	-
309411	86,00	Std.	29,87	2,3	0,13-	10,0:1	22	JG1004-3386	323	M,PS,S,T	C4300-040	015BW17139 / R-HON-011I	-
309412	86,50	0,50	29,87	1,8	0,13-	10,0:1	22	JG1004-3405	327	PS,S,T	C4311-040	015BW17139 / R-HON-011I	-
309413	87,00	1,00	29,87	1,2	0,13-	10,0:1	22	JG1004-3425	326	M,PS,S,T	C4311-040	015BW17139 / R-HON-011I	-
309414	88,00	2,00	29,87	0	0,13-	10,0:1	22	JG1004-3465	336	M,N,PS,S,T	C4312-040	015BW17139 / R-HON-011I	-
309415	89,00	3,00	29,87	-1,1	0,13-	10,0:1	22	JG1004-3504	339	M,N,PS,S,T	C4313-040	015BW17139 / R-HON-011I	-
317757	90,00	4,00	29,87	-3,1	0,13-	10,0:1	22	JG1004-3543	352	M,N,PS,S,T	-	015BW17139 / R-HON-011I	-
361253	86,25	0,25	29,87	2,0	0,13-	10,25:1	22	JG1004-3396	325	M,PS,S	C4311-040	015BW17139 / R-HON-010-I	-
204256	86,00	Std.	29,87	7,1	0,13-	11,0:1	22	JC2704-3386	307	M,PS,R,V	C4300-040	015BW17139 / R-HON-010H	-
226379	86,00	Std.	29,87	9,2	0,13-	11,3:1	22	JC2704-3386	313	M,PS,R	C4300-040	015BW17139 / R-HON-010H	-
338057	86,00	STD	29,87	9	0,13-	11.6:1	22	JG1004-3386	-	M,PS,S,V	C4300-040	015BW17139 / R-HON-010H	-
361254	86,25	0,25	29,87	9	0,13-	11,6:1	22	JG1004-3396	330	M,PS,S	C4311-040	015BW17139 / R-HON-010H	-
338058	86,50	0,50	29,87	9	0,13-	11.7:1	22	JG1004-3405	-	M,PS,S,V	C4311-040	015BW17139 / R-HON-010H	-
338059	87,00	1,00	29,87	9	0,13-	11.9:1	22	JG1004-3425	-	M,PS,S,V	C4311-040	015BW17139 / R-HON-010H	-
338060	87,50	1,50	29,87	9	0,13-	12.0:1	22	JG1004-3445	-	M,N,PS,S,V	C4312-040	015BW17139 / R-HON-010H	-
338061	88,00	2,00	29,87	9	0,13-	12.1:1	22	JG1004-3465	-	M,N,PS,S,V	C4312-040	015BW17139 / R-HON-010H	-
338062	89,00	3,00	29,87	9	0,13-	12.3:1	22	JG1004-3504	-	M,N,PS,S,V	C4313-040	015BW17139L / R-HON-010HL	-
338063	90,00	4,00	29,87	9	0,13-	12.5:1	22	JG1004-3543	-	M,N,PS,S,V	-	015BW17139L / R-HON-010HL	-
361255	86,00	Std	29,87	12,4	0,13-	12,5:1	22	JG1004-3396	-	PS,S	C4300-040	015BW17139L / R-HON-010HL	-
361256	86,25	0,25	29,88	12,4	0,13-	12,5:1	22	JG1004-3396	-	PS,S	C4311-040	015BW17139L / R-HON-010HL	-
361257	86,50	0,50	29,89	12,4	0,13-	12,5:1	22	JG1004-3405	-	PS,S	C4311-040	015BW17139L / R-HON-010HL	-
345618	87,00	1,00	29,87	12,4	0,13-	12,5:1	22	JG1004-3425	-	M,PS,S	C4311-040	015BW17139L / R-HON-010HL	-
345619	87,50	1,50	29,87	11,9	0,13-	12,5:1	22	JG1004-3445	-	M,N,PS,S	C4312-040	015BW17139L / R-HON-010HL	-
345620	88,00	2,00	29,87	11,5	0,13-	12,5:1	22	JG1004-3465	-	M,N,PS,S	C4312-040	015BW17139L / R-HON-010HL	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL*	4B1972H(HX/0,025/0,25)	5M1959H(HX/0,025/0,25)	1T1957	208-4701	208-6003	-
	4B1972HD(HDX/0,025/0,25) (w/ Dowel Hole)	-	-	-	-	-
KING*	CR4542XP	MB5259XP	TW 140AM			
	CR4542XPC	MB5259XPC	-			
	CR4542XPD	-	-			
	CR4542XPDC	-	-			

*K20A2/Z1

NEW!! K20C Turbo as in Civic Type R

OEM Engine details 2,0 Ltr 16V | Engine code:K20 C | Bore:86,00 | • Displacement:1996 cc | • Stroke:85,90 | • Valves:16 | • Block Ht:N/A | • Comp. Ratio:9,8:1 | • Head cc's:51,30 | • Gasket thickness: N/A | • Rod Length:143,66

C/R with 0,66 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
357423	86,00	Std	32,00	-1,5	-	9,8:1	22	JG1204-3386	352	F,PS,T	-	HN5658-866	-
357424	86,50	0,50	32,00	-2,2	-	9,8:1	22	JG1204-3405	354	F,PS,T	-	HN5658-866	-
361278	86,00	Std	32,00	0,0	-	10,0:1	22	JG1204-3386	356	PS,S,UL	-	HN5658-866	-
361279	86,50	0,50	32,00	-0,6	-	10,0:1	22	JG1204-3405	360	PS,S,UL	-	HN5658-866	-
357425	86,00	Std	32,00	2,6	-	10,5:1	22	JG1204-3386	355	F,PS,T	-	HN5658-866	-
357426	86,50	0,50	32,00	2	-	10,5:1	22	JG1204-3405	356	F,PS,T	-	HN5658-866	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

Honda PISTONS

COMPLEMENTARY PARTS

F20C as in S2000

OEM Engine details 2,0 Ltr 16V | Engine code:F20C | • Displacement:1997 cc | • Valves:16 | • Comp. Ratio:11,0:1 | • Head cc's:52,50 | • Gasket thickness:0,75 | • Rod Length:153,00

Bore:87,00 | • Stroke:84,00 | • Block Ht:224,00

JW Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K632M87	87,00	Std.	28,98	-10	0,02-	8,5:1	23	8700XX	302	1,2,F,M,N	C4625-030	HN-F20C-S-66024S-04 / R-HON-006-I	C-HON-006UL
K632M875	87,50	0,50	28,98	-10	0,02-	8,5:1	23	8750XX	307	1,2,F,M,N	C4625-030	HN-F20C-S-66024S-04 / R-HON-006-I	C-HON-006UL
K632M89	89,00	2,00	28,98	-10	0,02-	8,5:1	23	8900XX	326	1,2,M,N	W6598	HN-F20C-S-66024S-04 / R-HON-006-I	C-HON-006UL
K682M875AP	87,50	0,50	28,98	7	0,02-	11,0:1	23	8750XX	330	1,2,N	C4625-030	HN-F20C-S-66024H-04 / R-HON-006H	C-HON-006UL
K682M89AP	89,00	2,00	28,98	7	0,02-	11,0:1	23	8900XX	-	1,2,N	W6598	HN-F20C-S-66024H-04 / R-HON-006H	C-HON-006UL

JE Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
296910	87,00	Std.	30,00	-15,4	1,00	8,5:1	23	JG1004-3425	300	M,PS,S,N,T	C4625-040	HN-F20C-S-66024S-04 / R-HON-006-I	C-HON-006UL
296911	87,50	0,50	30,00	-16,1	1,00	8,5:1	23	JG1004-3445	305	M,PS,S,N,T	C4625-040	HN-F20C-S-66024S-04 / R-HON-006-I	C-HON-006UL
317754	88,00	1,00	30,00	-16,9	1,00	8,5:1	23	JG1004-3465	311	N,PS,S,T	C4626-040	HN-F20C-S-66024S-04 / R-HON-006-I	C-HON-006UL
317755	89,00	2,00	30,00	-18,4	1,00	8,5:1	23	JG1004-3504	314	N,PS,S,T	C4335-040	HN-F20C-S-66024S-04 / R-HON-006-I	C-HON-006UL
317756	90,00	3,00	30,00	-20	1,00	8,5:1	23	JG1004-3543	333	N,PS,S,T	-	HN-F20C-S-66024S-04 / R-HON-006-I	C-HON-006UL
296908	87,00	Std.	30,00	-10,3	1,00	9,0:1	23	JG1004-3425	304	PS,S,N,T	C4625-040	HN-F20C-S-66024S-04 / R-HON-006-I	C-HON-006UL
296909	87,50	0,50	30,00	-11	1,00	9,0:1	23	JG1004-3445	306	PS,S,N,T	C4625-040	HN-F20C-S-66024S-04 / R-HON-006-I	C-HON-006UL
317750	88,00	1,00	30,00	-11,8	1,00	9,0:1	23	JG1004-3465	312	N,PS,S,T	C4626-040	HN-F20C-S-66024S-04 / R-HON-006-I	C-HON-006UL
317751	89,00	2,00	30,00	-13,2	1,00	9,0:1	23	JG1004-3504	318	N,PS,S,T	C4335-040	HN-F20C-S-66024S-04 / R-HON-006-I	C-HON-006UL
317752	90,00	3,00	30,00	-14,6	1,00	9,0:1	23	JG1004-3543	324	N,PS,S,T	-	HN-F20C-S-66024S-04 / R-HON-006-I	C-HON-006UL
252607	87,00	Std.	30,00	5,5	1,00	11,5:1	23	JG1004-3425	320	N,PS,R,V	C4625-040	HN-F20C-S-66024H-04 / R-HON-006H	C-HON-006UL
361361	87,00	Std.	30,00	8,9	1,00	12,6:1	23	JG1004-3425	-	M,PS,S	C4625-040	HN-F20C-S-66024H-04 / R-HON-006H	C-HON-006UL
361362	87,50	0,50	30,00	8,4	1,00	12,6:1	23	JG1004-3445	-	M,PS,S	C4625-040	HN-F20C-S-66024H-04 / R-HON-006H	C-HON-006UL
361363	88,00	1,00	30,00	7,9	1,00	12,6:1	23	JG1004-3465	-	M,PS,S	C4626-040	HN-F20C-S-66024H-04 / R-HON-006H	C-HON-006UL
361364	89,00	2,00	30,00	7,0	1,00	12,6:1	23	JG1004-3504	-	M,PS,S	C4335-040	HN-F20C-S-66024H-04 / R-HON-006H	C-HON-006UL
361365	90,00	3,00	30,00	6,0	1,00	12,6:1	23	JG1004-3543	-	M,PS,S	-	HN-F20C-S-66024H-04 / R-HON-006H	C-HON-006UL

* If using OEM connecting rod, pins must be DLC coated, or rod must be bushed.

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1912H(HX/0,025/0,25)	5M1913H(HX/0,025/0,25)	-	208-4702	208-6002	-
	4B1912HD(HDX/0,025/0,25) (w/ Dowel Hole)	-	-	-	-	-
KING	CR4033XP	MB5673XP	TW 140AM			

F22C as in S2000

OEM Engine details 2,2 Ltr 16V | Engine code:F22C | • Displacement:2156 cc | • Valves:16 | • Comp. Ratio:11,0:1 | • Head cc's:52,50 | • Gasket thickness:0,75 | • Rod Length:149,65

Bore:87,00 | • Stroke:90,75 | • Block Ht:224,00

JW Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K632M87	87,00	Std.	28,98	-10	0,02-	9,0:1	23	8700XX	302	1,2,F,M,N	C4625-030	HN-F20C-S-65893S-04 / R-HON-015HL	-
K632M875	87,50	0,50	28,98	-10	0,02-	9,0:1	23	8750XX	307	1,2,F,M,N	C4625-030	HN-F20C-S-65893S-04 / R-HON-015HL	-
K632M89	89,00	2,00	28,98	-10	0,02-	9,0:1	23	8900XX	326	1,2,M,N	W6598	HN-F20C-S-65893S-04 / R-HON-015HL	-
K682M875AP	87,50	0,50	28,98	7	0,02-	12,0:1	23	8750XX	330	1,2,N	C4625-030	HN-F20C-S-65893H-04 / R-HON-015HL	-
K682M89AP	89,00	2,00	28,98	7	0,02-	12,0:1	23	8900XX	-	1,2,N	W6598	HN-F20C-S-65893H-04 / R-HON-015HL	-

JE Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
296910	87,00	Std.	30,00	-15,4	1,00	9,0:1	23	JG1004-3425	300	M,PS,S,N,T	C4625-040	HN-F20C-S-65893S-04 / R-HON-015HL	-
296911	87,50	0,50	30,00	-16,1	1,00	9,0:1	23	JG1004-3445	305	M,PS,S,N,T	C4625-040	HN-F20C-S-65893S-04 / R-HON-015HL	-
317754	88,00	1,00	30,00	-16,9	1,00	9,0:1	23	JG1004-3465	311	N,PS,S,T	C4626-040	HN-F20C-S-65893S-04 / R-HON-015HL	-
317755	89,00	2,00	30,00	-18,4	1,00	9,0:1	23	JG1004-3504	314	N,PS,S,T	C4335-040	HN-F20C-S-65893S-04 / R-HON-015HL	-
317756	90,00	3,00	30,00	-20	1,00	9,0:1	23	JG1004-3543	333	N,PS,S,T	-	HN-F20C-S-65893S-04 / R-HON-015HL	-
296908	87,00	Std.	30,00	-10,3	1,00	9,65:1	23	JG1004-3425	304	PS,S,N,T	C4625-040	HN-F20C-S-65893S-04 / R-HON-015HL	-
296909	87,50	0,50	30,00	-11	1,00	9,65:1	23	JG1004-3445	306	PS,S,N,T	C4625-040	HN-F20C-S-65893S-04 / R-HON-015HL	-
317750	88,00	1,00	30,00	-11,8	1,00	9,65:1	23	JG1004-3465	312	N,PS,S,T	C4626-040	HN-F20C-S-65893S-04 / R-HON-015HL	-
317751	89,00	2,00	30,00	-13,2	1,00	9,65:1	23	JG1004-3504	318	N,PS,S,T	C4335-040	HN-F20C-S-65893S-04 / R-HON-015HL	-
317752	90,00	3,00	30,00	-14,6	1,00	9,65:1	23	JG1004-3543	324	N,PS,S,T	-	HN-F20C-S-65893S-04 / R-HON-015HL	-
252607	87,00	Std.	30,00	5,5	1,00	12,5:1	23	JG1004-3425	320	N,PS,R,V	C4625-040	HN-F20C-S-65893H-04 / R-HON-015HL	-

* If using OEM connecting rod, pins must be DLC coated, or rod must be bushed.

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1912H(HX/0,025/0,25)	5M1913H(HX/0,025/0,25)	-	208-4702	208-6002	-
	4B1912HD(HDX/0,025/0,25) (w/ Dowel Hole)	-	-	-	-	-
KING	CR4033XP	MB5673XP	TW 140AM			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Honda PISTONS

COMPLEMENTARY PARTS

F20C/F22C as in S2000 with 99,00 mm K24 crank

Engine code:F20C/F22C • Displacement:2354 cc • Valves:16 • Comp. Ratio:11,0:1 • Head cc's:52,50 • Gasket thickness:0,76 • Rod Length:143,40
Bore:87,00 • Stroke:99,00 • Block Ht:224,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
Stroker 99,00mm crank K24 conversion													
K544M87	87,00	Std.	31,00	-14	0,14-	9,4:1	22	8700XX	314	1,N	C4625-040	015BX17143	-
K544M88	88,00	1,00	31,00	-14	0,14-	9,4:1	22	8800XX	331	1,N	C4626-040	015BX17143	-
K544M89	89,00	2,00	31,00	-14	0,14-	9,4:1	22	8900XX	337	1,M,N	W6598	015BX17143	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1912H(HX/0,025/0,25)	5M1913H(HX/0,025/0,25)	-	208-4702	208-6002	-
	4B1912HD(HDX/0,025/0,25) (w/ Dowel Hole)	-	-	-	-	-
KING	CR4033XP	MB5673XP	TW 140AM			

H22 as in Prelude SI/SH

OEM Engine details 2,2 Ltr 16V Engine code:H22 • Displacement:2157 cc • Valves:16 • Comp. Ratio:10,6:1-11,0:1 • Head cc's:53,80 • Gasket thickness:0,71 • Rod Length:143,15
Bore:87,00 • Stroke:90,70 • Block Ht:219,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K544M87	87,00	Std.	31,00	-14	0	8,5:1	22	8700XX	314	1,N	C4255-030	015BV17143 / R-HON-008H	-
K544M88	88,00	1,00	31,00	-14	0	8,5:1	22	8800XX	331	1,N	W6088	015BV17143 / R-HON-008H	-
K544M89	89,00	2,00	31,00	-14	0	8,5:1	22	8900XX	337	1,M,N	W6412	015BV17143 / R-HON-008H	-
K572M87	87,00	Std.	31,00	7	0	11,5:1	22	8700XX	333	1,M,N	C4255-030	015BV17143 / R-HON-008H	-
K572M88	88,00	1,00	31,00	7	0	11,5:1	22	8800XX	346	1,N	W6088	015BV17143 / R-HON-008H	-
K572M89	89,00	2,00	31,00	7	0	11,5:1	22	8900XX	355	1,M,N	W6412	015BV17143 / R-HON-008H	-
C/R with 1,30 mm head gasket													
298731	87,00	Std.	31,00	-5,5	0	9,0:1	22	JC0004-3425	325	N,PS,S,T	C4255-040	015BV17143 / R-HON-008H	-
298732	87,50	0,50	31,00	-6,2	0	9,0:1	22	JG1004-3445	325	N,PS,S,T	C4198-040	015BV17143 / R-HON-008H	-
298733	88,00	1,00	31,00	-7	0	9,0:1	22	JG1004-3465	325	N,PS,S,T	C4198-040	015BV17143 / R-HON-008H	-
166036	87,00	Std.	31,00	0,7	0	10,0:1	22	JC0004-3425	322	M,N,PS,R,V	C4255-040	015BV17143 / R-HON-008H	-
166035	87,00	Std.	31,00	11,3	0	12,0:1	22	JC0004-3425	354	N,PS,R	C4255-040	015BV17143 / R-HON-008H	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1912H(HX/0,025/0,25)	5M1957H(HX/0,025/0,25)*	1T1957	208-4307	-	208-5401
	4B1912HD(HDX/0,025/0,25) (w/ Dowel Hole)	-	-	-	-	-
KING	CR4033XP	MB5568XP	TW 152AM			

*only A4/A5+1998&newer!

H23 as in Prelude

OEM Engine details 2,3 Ltr 16V Engine code:H23 • Displacement:2258 cc • Valves:16 • Comp. Ratio:9,8:1 • Head cc's:50,00 • Gasket thickness:0,71 • Rod Length:141,50
Bore:87,00 • Stroke:95,00 • Block Ht:220,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
Must use at least a 1,00 mm thick head gasket													
K544M87	87,00	Std.	31,00	-14	0	9,4:1	22	8700XX	314	1,2,N	C4553-040	HN-H23-S-65581S-04	-
K544M88	88,00	1,00	31,00	-14	0	9,4:1	22	8800XX	331	1,2,N	C4554-040	HN-H23-S-65581S-04	-
K544M89	89,00	2,00	31,00	-14	0	9,4:1	22	8900XX	337	1,2,M,N	C4555-040	HN-H23-S-65581S-04	-
K572M87	87,00	Std.	31,00	7	0	13,0:1	22	8700XX	333	1,2,M,N	C4553-040	HN-H23-S-65581H-04	-
K572M88	88,00	1,00	31,00	7	0	13,0:1	22	8800XX	346	1,2,N	C4554-040	HN-H23-S-65581H-04	-
K572M89	89,00	2,00	31,00	7	0	13,0:1	22	8900XX	355	1,2,M,N	C4555-040	HN-H23-S-65581H-04	-
C/R with 1,00 mm head gasket													
208472	87,50	0,50	30,58	-12	0,42-	9,0:1	22	JC8004-3445	328	M,N,R,T	C4553-040	HN-H23-S-65581S-04	-
208474	87,50	0,50	30,58	-5,8	0,42-	10,0:1	22	JC8004-3445	316	M,N,R,V	C4553-040	HN-H23-S-65581H-04	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1936H(HX/0,025/0,25)	-	-	208-4307	-	208-5401
KING	CR4033XP	MB5168XP	TW 152AM			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Honda PISTONS

COMPLEMENTARY PARTS

K24 & K24 with K20 cylinder head (CR-V/Accord)

OEM Engine details 2,4 Ltr 16V | Engine code:K24 | • Displacement:2354 cc | • Valves:16 | • Comp. Ratio:9.6:1-10,5:1 | • Head cc's:50,50 | • Gasket thickness:0,63 | • Rod Length:152,00

Bore:87,00 | • Stroke:99,00 | • Block Ht:231,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K622M87	87,00	Std.	30,00	-21	0	8,8:1	22	8700XX	313	1,M	C4311-030	015BX17152 / HN5984-866	-
K622M875	87,50	0,50	30,00	-21	0	8,8:1	22	8750XX	320	1,M	C4312-030	015BX17152 / HN5984-866	-
K622M88	88,00	1,00	30,00	-21	0	8,8:1	22	8800XX	326	1,M	C4312-030	015BX17152 / HN5984-866	-
K568M87	87,00	Std.	30,00	-9	0	10,2:1	22	8700XX	303	1,M	C4311-030	015BX17152	-
K568M875	87,50	0,50	30,00	-9	0	10,2:1	22	8750XX	307	1	C4312-030	015BX17152	-
K568M88	88,00	1,00	30,00	-9	0	10,2:1	22	8800XX	312	1,M	C4312-030	015BX17152	-
K568M89	89,00	2,00	30,00	-9	0	10,2:1	22	8900XX	322	1,M	C4311-030	015BX17152	-
K631M87	87,00	Std.	30,00	-3,4 FT	0	11,1:1	22	8700XX	336	1	C4311-030	015BX17152	-
K631M875	87,50	0,50	30,00	-3,4 FT	0	11,1:1	22	8750XX	346	1	C4312-030	015BX17152	-
K634M87	87,00	Std.	30,00	5	0	13,0:1	22	8700XX	316	1	C4311-030	015BX17152	-
K634M8725	87,25	0,25	30,00	5	0	13,0:1	22	8725XX	317	1,M	C4312-030	015BX17152	-
K634M875	87,50	0,50	30,00	5	0	13,0:1	22	8750XX	318	1	C4312-030	015BX17152	-
K634M89	89,00	2,00	30,00	5	0	13,0:1	22	8900XX	320	1,M	C4596-032	015BX17152	-
K634M895	89,50	2,50	30,00	5	0	13,0:1	22	8950XX	335	1,M	H1912SP1030S	015BX17152	-
K573M87AP	87,00	Std.	30,00	8	0	13,7:1	22	8700XX	330	1	C4311-030	015BX17152	-
K573M875AP	87,50	0,50	30,00	8	0	13,7:1	22	8750XX	342	1	C4312-030	015BX17152	-
K573M88AP	88,00	1,00	30,00	8	0	13,7:1	22	8800XX	348	1	C4312-030	015BX17152	-
K573M89AP	89,00	2,00	30,00	8	0	13,7:1	22	8900XX	360	1	C4596-032	015BX17152	-
K650M87AP	87,00	Std.	30,00	10,5	0	14,2:1	22	8700XX	331	1,F	C4311-030	015BX17152	-
K650M875AP	87,50	0,50	30,00	10,5	0	14,2:1	22	8750XX	336	1,F	C4312-030	015BX17152	-
K650M88AP	88,00	1,00	30,00	10,5	0	14,2:1	22	8800XX	343	1,F	C4312-030	015BX17152	-
K650M89AP	89,00	2,00	30,00	10,5	0	14,2:1	22	8900XX	355	1,F	C4596-032	015BX17152	-

K24 & K24 with K20 cylinder head (CR-V/Accord)

OEM Engine details 2,4 Ltr 16V | Engine code:K24 | • Displacement:2354 cc | • Valves:16 | • Comp. Ratio:9.6:1-10,5:1 | • Head cc's:50,50 | • Gasket thickness:0,63 | • Rod Length:152,00

Bore:87,00 | • Stroke:99,00 | • Block Ht:231,50

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
309418	87,00	Std.	29,87	-15,5	0,13-	9,0:1	22	JG1004-3425	301	M,PS,S,T	C4312-040	015BX17152 / HN5984-866	-
309419	88,00	1,00	29,87	-17,1	0,13-	9,0:1	22	JG1004-3465	306	M,PS,S,T	C4312-040	015BX17152 / HN5984-866	-
309420	89,00	2,00	29,87	-18,7	0,13-	9,0:1	22	JG1004-3504	309	M,PS,S,T	C4313-040	015BX17152 / HN5984-866	-
317759	90,00	3,00	29,87	-21	0,13-	9,0:1	22	JG1004-3543	314	M,PS,S,T	H1912SP1030S	015BX17152 / HN5984-866	-
361260	87,50	0,50	29,87	-15,9	0,13-	9,25:1	22	JG1004-3445	304	F,PS,T	C4312-040	015BX17152	-
309421	87,00	Std.	29,87	-7,4	0,13-	10,0:1	22	JG1004-3425	318	M,PS,S,T	C4311-040	015BX17152	-
309422	88,00	1,00	29,87	-8,7	0,13-	10,0:1	22	JG1004-3465	320	M,PS,S,T	C4312-040	015BX17152	-
309423	89,00	2,00	29,87	-10,1	0,13-	10,0:1	22	JG1004-3504	322	M,PS,S,T	C4313-040	015BX17152	-
317760	90,00	3,00	29,87	-12,3	0,13-	10,0:1	22	JG1004-3543	328	M,PS,S,T	H1912SP1030S	015BX17152	-
361261	87,50	0,50	29,87	-8,1	0,13	10,25:1	22	JG1004-3445	319	F,PS,T	C4312-040	015BX17152	-
361273	87,00	Std.	29,87	-0,4	0,13-	11.3:1	22	JG1004-3425	-	F,PS,UL	C4311-040	015BX17152	-
361274	87,50	0,50	29,87	-1,0	0,13-	11.3:1	22	JG1004-3445	-	F,PS,UL	C4312-040	015BX17152	-
361275	88,00	1,00	29,87	-1,6	0,13-	11.3:1	22	JG1004-3465	-	F,PS,UL	C4312-040	015BX17152	-
309424	87,00	Std.	29,87	2,0	0,13-	11,5:1	22	JG1004-3425	332	M,PS,S,V	C4311-040	015BX17152	-
309425	88,00	1,00	29,87	0,8	0,13-	11,5:1	22	JG1004-3465	336	M,PS,S,V	C4312-040	015BX17152	-
309426	89,00	2,00	29,87	-0,3	0,13-	11,5:1	22	JG1004-3504	339	M,PS,S,V	C4313-040	015BX17152	-
317761	90,00	3,00	29,87	-2,2	0,13-	11,5:1	22	JG1004-3543	345	M,PS,S,V	H1912SP1030S	015BX17152	-
361262	87,50	0,50	29,87	0,9	0,13-	11,75:1	22	JG1004-3445	334	F,PS,V	C4312-040	015BX17152	-
361263	87,00	Std.	29,87	5,2	0,13-	12,5:1	22	JG1004-3425	-	F,PS,U	C4312-040	015BX17152	-
361264	87,50	0,50	29,87	4,6	0,13-	12,5:1	22	JG1004-3445	-	F,PS,U	C4312-040	015BX17152	-
361265	88,00	1,00	29,87	4,1	0,13-	12,5:1	22	JG1004-3465	-	F,PS,U	C4312-040	015BX17152	-
361266	89,00	2,00	29,87	3,0	0,13-	12,5:1	22	JG1004-3504	-	F,PS,U	C4313-040	015BX17152	-
361267	90,00	3,00	29,87	2,0	0,13-	12,5:1	22	JG1004-3543	-	F,PS,U	H1912SP1030S	015BX17152	-
242194	87,00	Std.	29,87	8,6	0,13-	13,3:1	22	JG1004-3425	334	M,PS,R	C4311-040	015BX17152	-
242196	88,00	1,00	29,87	8,3	0,13-	13,3:1	22	JG1004-3465	338	M,R	C4311-040	015BX17152	-
338059	87,00	Std.	29,87	9	0,13-	13.5:1	22	JG1004-3425	-	M,PS,S,V	C4311-040	015BX17152	-
338060	87,50	0,50	29,87	9	0,13-	13.6:1	22	JG1004-3445	-	M,N,PS,S,V	C4312-040	015BX17152	-
338061	88,00	1,00	29,87	9	0,13-	13.8:1	22	JG1004-3465	-	M,N,PS,S,V	C4312-040	015BX17152	-
338062	89,00	2,00	29,87	9	0,13-	14.0:1	22	JG1004-3504	-	M,N,PS,S,V	C4313-040	015BX17152	-
338063	90,00	3,00	29,87	9	0,13-	14.3:1	22	JG1004-3543	-	M,N,PS,S,V	H1912SP1030S	015BX17152	-
345618	87,00	Std.	29,87	12,4	0,13-	14,2:1	22	JG1004-3425	-	M,PS,S	C4311-040	015BX17152	-
345619	87,50	0,50	29,87	11,9	0,13-	14,2:1	22	JG1004-3445	-	M,N,PS,S	C4312-040	015BX17152	-
345620	88,00	1,00	29,87	11,5	0,13-	14,2:1	22	JG1004-3465	-	M,N,PS,S	C4312-040	015BX17152	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1972H(HX/0,025/,25)	5M1959H(HX/0,025/0,25)	1T1957	208-4701	208-6003	-
KING	CR4542XP	MB5259XP	TW 140AM			
	CR4542XPC	MB5259XPC	-			
	CR4542XPD	-	-			
	CR4542XPDC	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Hyundai PISTONS

COMPLEMENTARY PARTS

1.6 T-GDI as in Veloster

OEM Engine details 1,6 Ltr 16V | Engine code:G4GJ Gamma | • Displacement:1591 cc | • Valves:16 | • Comp. Ratio:9,5:1 | • Head cc's:34,00 | • Gasket thickness:0,50 | • Rod Length:N/A
Bore:77,00 | • Stroke:85,40 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
361285	77,00	Std	27,90	-8,2	-	9.5:1	20	JG1004-3031	-	M,PS,R,T	-	-	-
361286	77,50	0,50	27,90	-8,7	-	9.5:1	20	JG1004-3051	-	M,PS,R,T	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

Coupé '97-00

OEM Engine details 2,0 Ltr 16V | Engine code:G4GF Beta 1 | • Displacement:1975 cc | • Valves:16 | • Comp. Ratio:10,3:1 | • Head cc's:46,00-49,00 | • Gasket thickness:0,71 | • Rod Length:146,10
Bore:82,00 | • Stroke:93,50 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K585M825	82,50	0,50	31,00	-11,5	-	8,7:1-9,0:1	20	8250XX	294	1,K,M	-	-	-
K585M83	83,00	1,00	31,00	-11,5	-	8,7:1-9,0:1	20	8300XX	296	1,K,M	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

2.0L Genesis

OEM Engine details 2,0 Ltr 16V | Engine code:G4KF Theta II | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:10,3:1 | • Head cc's:50,50 | • Gasket thickness:0,66 | • Rod Length:146,00
Bore:86,00 | • Stroke:86,00 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K651M86	86,00	Std.	30,00	-4	-	9,3:1	22	8600XX	356	1,M	C4953-032	016CA17146	-
K651M865	86,50	0,50	30,00	-4	-	9,3:1	22	8650XX	359	1,M	C4953-032	016CA17146	-

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
298946	86,00	Std.	30,00	-5,5	-	9,0:1	22	JG1004-3386	304	M,PS,S,T	C4953-032	016CA17146	-
361353	86,25	0,25	30,00	-5,9	-	9,0:1	22	JG1004-3396	305	M,PS,S,T	C4953-032	016CA17146	-
298947	86,50	0,50	30,00	-6,2	-	9,0:1	22	JG1004-3405	306	M,PS,S,T	C4953-032	016CA17146	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1293H(HX/0,25)	5M1295H(HX/0,25)	-	-	-	-
KING	CR4668XP	MB5771XP	-			

3.8L Genesis V6 Coupe

OEM Engine details 3,8 Ltr 24V | Engine code:G6DA | • Displacement:3778 cc | • Valves:24 | • Comp. Ratio:N/A | • Head cc's:47,50 | • Gasket thickness:N/A | • Rod Length:149,50
Bore:96,00 | • Stroke:87,00 | • Block Ht:225,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
299815	96,00	Std.	31,55	-23,2	0,45-	9,0:1	22	JC2806-3780	382	M,PS,R,T	-	HYH5886BPGB6-A	-
299816	96,50	0,50	31,55	-24,0	0,45-	9,0:1	22	JC2806-3799	387	M,PS,R,T	-	HYH5886BPGB6-A	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B8598H(HX/0,025/0,25)	4M8599H(HX/0,025/0,25)	-	-	-	-
KING	-	-	-			

Lamborghini

5.0L Gallardo '03-08

OEM Engine details 5,0L 40V FSI(V10) | Engine code:L510/07L1 | • Displacement:4961cc | • Valves:40 | • Comp. Ratio:11,0:1 | • Head cc's:46,00 | • Gasket thickness:N/A | • Rod Length:154,38
Bore:82,50 | • Stroke:92,80 | • Block Ht:N/A

C/R with 1,75 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
308177	82,50	Std.	27,60	-11,2	-	9,0:1	20	XC8250	268	I,M,PS,Q,S,T	-	LM-V10-1-T-8M6078S-10	-
331035C	82,50	Std.	27,00	1,2	-	11,0:1	20	JG1001-3250	269	I,M,Q,S,T	-	LM-V10-1-T-8M6078S-10	-
342476C	83,00	0,50	27,00	1,2	-	11,0:1	20	XC8300	265	M,Q,S,T	-	LM-V10-1-T-8M6078S-10	-
341695C	83,00	0,50	27,00	1,2	-	11,0:1	20	XX8300-coated	280	I,M,Q,S,T,Z	-	LM-V10-1-T-8M6078S-10	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	CR 227XP (2pcs)	MB1322XP (1pc)	-			
	CR 227XPC (2pcs)	MB1322XPC (1pc)	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

Lamborghini PISTONS

COMPLEMENTARY PARTS

5.2L Gallardo '09-12

OEM Engine details 5,2L 40V FSI(V10) Engine code:BUJ Bore:84,50 • Displacement:5204 cc • Stroke:92,80 • Valves:40 • Block Ht:N/A • Comp. Ratio:11,0:1 • Head cc's:46,00 • Gasket thickness:N/A • Rod Length:154,00

C/R with 1,75 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
308178	84,50	Std.	27,60	-14	-	9,0:1	20	XC8450	284	M,PS,Q,S,T	-	LM-5.2V10-T-8M6063S-10	-
361280	85,00	0,50	27,60	-14,6	-	9,0:1	20	XC8500	-	M,PS,Q,S,T	-	LM-5.2V10-T-8M6063S-10	-
361281	84,50	Std.	27,60	-3,7	-	10,5:1	20	XC8450	-	M,PS,Q,S,T	-	LM-5.2V10-T-8M6063S-10	-
361282	85,00	0,50	27,60	-4,7	-	10,5:1	20	XC8500	-	M,PS,Q,S,T	-	LM-5.2V10-T-8M6063S-10	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	CR 227XP (2pcs)	MB1322XP (1pc)	-			
	CR 227XPC (2pcs)	MB1322XPC (1pc)	-			

Diablo

OEM Engine details 6,0L 48V(V12) Engine code:N/A Bore:87,00 • Displacement:5992 cc • Stroke:84,00 • Valves:48 • Block Ht:N/A • Comp. Ratio:10,7:1 • Head cc's:N/A • Gasket thickness:N/A • Rod Length:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE215M87	87,00	Std.	27,66	-15	-	10,7:1	20	8700XX	265	F,M	-	-	-
KE215M875	87,50	0,50	27,66	-15	-	10,7:1	20	8750XX	269	F,M	-	-	-
KE215M88	88,00	1,00	27,66	-15	-	10,7:1	20	8800XX	273	F,M	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

Lotus

1,6L 8V Twin Cam as in Elan 26

OEM Engine details 1,6 Ltr 8V Engine code:L-block Bore:82,55 • Displacement:1558 cc • Stroke:72,75 • Valves:8 • Block Ht:197,61 • Comp. Ratio:9,5:1/10,3:1 • Head cc's:36,70 • Gasket thickness:1,00 • Rod Length:121,92

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
339325C-83	83,00	0,45	37,85	8,25	0,80-	11,2:1	20,63	JG1001-3268	-	M,R	C4133-040	F-105-S-64826H-04*	-
339325C-835	83,50	0,95	37,85	8,25	0,80-	11,3:1	20,63	JG1001-3287	-	M,R	C4133-040	F-105-S-64826H-04*	-
339325C-85	85,00	2,45	37,85	8,25	0,80-	11,6:1	20,63	JG1001-3346	-	M,N,R	C4133-040	F-105-S-64826H-04*	-
C/R with 42,60cc head, and OE rod lenght													
252098C-83	83,00	0,45	39,10	13,5	0,22-	11,7:1	20,63	JG1001-3268	-	M,R	C4133-040	-	-
252098C-835	83,50	0,95	39,10	13,5	0,22-	12,0:1	20,63	JG1001-3287	-	M,R	C4133-040	-	-
252098C	84,00	1,45	39,10	13,5	0,22-	12,2:1	20,63	JG1001-3307	369	M,R	C4133-040	-	-
252098C-85	85,00	2,45	39,10	13,5	0,22-	12,4:1	20,63	JG1001-3346	-	M,N,R	C4133-040	-	-
												*Note: Rod is 122,58mm	

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B603H(HX/0,01/0,10/0,20)	5M2152H(HX/0,01/0,10/0,20)	-	-	-	-
KING	-	-	-			

2ZZ-GE as in Elise/Exige (Toyota engine)

OEM Engine details 1,8 Ltr 16V Engine code:2ZZ-GE Bore:82,00 • Displacement:1794 cc • Stroke:85,00 • Valves:16 • Block Ht:211,75 • Comp. Ratio:10,0:1 • Head cc's:38,00 • Gasket thickness:0,50 • Rod Length:137,90

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K565M82	82,00	Std.	31,20	-16	0,15-	8,8:1	20	8200XX	284	1	-	TO-2ZZGE-S-65433S-04	-
K569M82	82,00	Std.	31,20	0,2	0,15-	11,9:1	20	8200XX	319	1	-	TO-2ZZGE-S-65433S-04	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	CR4608XP	MB5375XP	TW 185AM			

2ZR-FE as in Elise

OEM Engine details 1,8 Ltr 16V Engine code:2ZR-FE Bore:80,50 • Displacement:1798 cc • Stroke:88,30 • Valves:16 • Block Ht:N/A • Comp. Ratio:10,0:1 • Head cc's:N/A • Gasket thickness:0,70 • Rod Length:146,65

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE264M805	80,50	Std.	28,27	-10,1	-	10,0:1	20	3169XC	263	M,R	-	-	-
KE264M81	81,00	0,50	28,27	-10,1	-	10,0:1	20	8100XX	267	M,R	-	-	-
KE265M805	80,50	Std.	28,27	-1,1	-	12,0:1	20	3169XC	278	M,R	-	-	-
KE265M81	81,00	0,50	28,27	-1,1	-	12,0:1	20	8100XX	282	M,R	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	203-4703	-	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Mazda PISTONS

COMPLEMENTARY PARTS

MX-5 (B6)

OEM Engine details 1,6 Ltr 16V | Engine code:B6 | • Displacement:1597 cc | • Valves:16 | • Comp. Ratio:9,4:1 | • Head cc's:36,00 | • Gasket thickness:1,10 | • Rod Length:133,00

Bore:78,00 | • Stroke:83,50 | • Block Ht:206,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K554M785	78,50	0,50	31,95	-13	0,18	8,5:1	20	7850XX	275	1	W6308	028CC14133 / R-MAZ-001-H	-
K554M79	79,00	1,00	31,95	-13	0,18	8,6:1	20	7900XX	284	1	W6308	028CC14133 / R-MAZ-001-H	-
K554M795	79,50	1,50	31,95	-13	0,18	8,7:1	20	7950XX	292	1,M	W6308	028CC14133 / R-MAZ-001-H	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8351H(HX/0,025/0,25)	5M8353H(HX/0,025/0,25/0,50)	1T8353	218-4701	118-6401	218-5401
KING	CR4002XP	MB5304XP	TW 133AM			

323/MX-5 (BP engine)

OEM Engine details 1,8 Ltr 16V DOHC | Engine code:BP/BPT/BP-4W/BP-Z3 | • Displacement:1839 cc | • Valves:16 | • Comp. Ratio:10,0:1 | • Head cc's:52,00 | • Gasket thickness:0,79 | • Rod Length:133,00

Bore:83,00 | • Stroke:85,00 | • Block Ht:206,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K553M835	83,50	0,50	30,50	-4	0,50-	8,4:1	20	8350XX	301	1,R	C4568-030/C4983-030('01+)	028CC14133 / R-MAZ-001-H	-
K553M84	84,00	1,00	30,50	-4	0,50-	8,5:1	20	8400XX	309	1,R	C4568-030/C4983-030('01+)	028CC14133 / R-MAZ-001-H	-
K553M845	84,50	1,50	30,50	-4	0,50-	8,5:1	20	8450XX	315	1,M,R	C4569-030/C4984-030('01+)	028CC14133 / R-MAZ-001-H	-
K590M835	83,50	0,50	30,50	7	0,50-	10,0:1	20	8350XX	288	1,F,Q	C4568-030/C4983-030('01+)	028CC14133 / R-MAZ-001-H	-
K590M84	84,00	1,00	30,50	7	0,50-	10,0:1	20	8400XX	293	1,F,Q	C4568-030/C4983-030('01+)	028CC14133 / R-MAZ-001-H	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
255773	83,50	0,50	30,60	-2	0,40-	9,0:1	20	JG1004-3287	294	PS,R,T	C4568-030/C4983-030('01+)	028CC14133 / R-MAZ-001-H	-
255774	84,00	1,00	30,60	-2,7	0,40-	9,0:1	20	JG1004-3307	301	PS,R,T	C4568-030/C4983-030('01+)	028CC14133 / R-MAZ-001-H	-
255775	84,50	1,50	30,60	-3,4	0,40-	9,0:1	20	JG1004-3327	307	M,PS,R,T	C4569-030/C4984-030('01+)	028CC14133 / R-MAZ-001-H	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8351H(HX/0,025/0,25)	5M8353H(HX/0,025/0,25/0,50)	1T8353	218-4701	118-6401	218-5401
KING	CR4002XP	MB5304XP	TW 133AM			

626

OEM Engine details 2,0 Ltr 16V | Engine code:FS | • Displacement:1991 cc | • Valves:16 | • Comp. Ratio:9,7:1 | • Head cc's:38,00 | • Gasket thickness:0,81 | • Rod Length:135,25

Bore:83,00 | • Stroke:92,00 | • Block Ht:211,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K614M83	83,00	Std.	29,85	-16,5	0,40-	9,2:1	19	8300XX	283	1	W6337	028CD12135	-
K614M835	83,50	0,50	29,85	-16,5	0,40-	9,2:1	19	8350XX	292	1	W6337	028CD12135	-
K614M84	84,00	1,00	29,85	-16,5	0,40-	9,2:1	19	8400XX	298	1,M	W6337	028CD12135	

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	218-4703	-	-
KING	-	-	-			

3/5/6/MX-5

OEM Engine details 2,0 Ltr 16V | Engine code: LF-DE/LF-VE/LF-VD | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:10,8:1 | • Head cc's:42,00 | • Gasket thickness:0,50 | • Rod Length:146,25

Bore:87,50 | • Stroke:83,10 | • Block Ht:217,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K628M875	87,50	Std.	28,50	-23	0,70-	8,0:1	21	8750XX	309	1,F	C4481-030/C4970-028	011BL16576 / R-MAZ-002-I	-
K628M88	88,00	0,50	28,50	-23	0,70-	8,0:1	21	8800XX	315	1,F	C4481-030/C4970-028	011BL16576 / R-MAZ-002-I	-
K629M875	87,50	Std.	28,50	-7	0,70-	10,0:1	21	8750XX	306	1,F	C4481-030/C4970-028	011BL16576 / R-MAZ-002H	-
K629M88	88,00	0,50	28,50	-7	0,70-	10,0:1	21	8800XX	311	1,F	C4481-030/C4970-028	011BL16576 / R-MAZ-002H	-
KE257M875	87,50	Std.	28,50	0	0,76-	10,8:1	21	8750XX	338	1,F	C4481-030/C4970-028	011BL16576 / R-MAZ-002H	-
KE257M88	88,00	0,50	28,50	0	0,76-	10,9:1	21	8800XX	343	1,F	C4481-030/C4970-028	011BL16576 / R-MAZ-002H	-
KE237M875	87,50	Std.	28,50	5,3	0,70-	12,5:1	21	8750XX	338	1,F	C4481-030/C4970-028	011BL16576 / R-MAZ-002H	-
KE237M88	88,00	0,50	28,50	5,3	0,70-	12,5:1	21	8800XX	343	1,F	C4481-030/C4970-028	011BL16576 / R-MAZ-002H	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B4390H(HX/0,025/0,25/0,50)	-	-	-	-	218-5402
KING	CR4604XP	MB5442XP	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Mazda PISTONS

COMPLEMENTARY PARTS

MZR

OEM Engine details 2,3 Ltr 16V | Engine code: L3-VE/L3-N5/L3-DE | • Displacement:2261 cc | • Valves:16 | • Comp. Ratio:9,7:1 | • Head cc's:42,00 | • Gasket thickness:0,50 | • Rod Length:154,75
Bore:87,50 | • Stroke:94,00 | • Block Ht:231,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K628M875	87,50	Std.	28,50	-23	0,76-	8,8:1	21	8750XX	309	1,F	C4481-030/C4970-028	011BM16155	-
K628M88	88,00	0,50	28,50	-23	0,76-	8,8:1	21	8800XX	315	1,F	C4481-030/C4970-028	011BM16155	-
K629M875	87,50	Std.	28,50	-7	0,76-	11,0:1	21	8750XX	306	1,F	C4481-030/C4970-028	011BM16155	-
K629M88	88,00	0,50	28,50	-7	0,76-	11,0:1	21	8800XX	311	1,F	C4481-030/C4970-028	011BM16155	-
KE257M875	87,50	Std.	28,50	0	0,76-	12,5:1	21	8750XX	338	1,F	C4481-030/C4970-028	011BM16155	-
KE257M88	88,00	0,50	28,50	0	0,76-	12,5:1	21	8800XX	343	1,F	C4481-030/C4970-028	011BM16155	-
KE237M875	87,50	Std.	28,50	5,3	0,70-	13,3:1	21	8750XX	338	1,F	C4481-030/C4970-028	011BM16155	-
KE237M88	88,00	0,50	28,50	5,3	0,70-	13,4:1	21	8800XX	343	1,F	C4481-030/C4970-028	011BM16155	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8170H(HX/0,025/0,25)	5M8174A(0,25/0,50/0,75)	-	218-4702	-	218-5402
KING	CR4507XP	MB5442XP	-			

MZR Disi (3+6 Speed)/MPS as in CX-7

OEM Engine details 2,3 Ltr 16V | Engine code:L3-VDT/L3-N9 | • Displacement:2261 cc | • Valves:16 | • Comp. Ratio:9,5:1 | • Head cc's:42,00 | • Gasket thickness:0,50 | • Rod Length:150,75
Bore:87,50 | • Stroke:94,00 | • Block Ht:231,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K640M875	87,50	Std.	32,26	-13,3	1,00-	9,8:1	22,5	8750XX	340	1	C4481-030	028CF19151	-
K640M88	88,00	0,50	32,26	-13,3	1,00-	9,9:1	22,5	8800XX	344	1	C4481-030	028CF19151	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8172H(HX/0,025/0,25)	5M8174A(0,25/0,50/0,75)	-	218-4702	-	218-5402
KING	CR4604XP	MB5442XP	-			

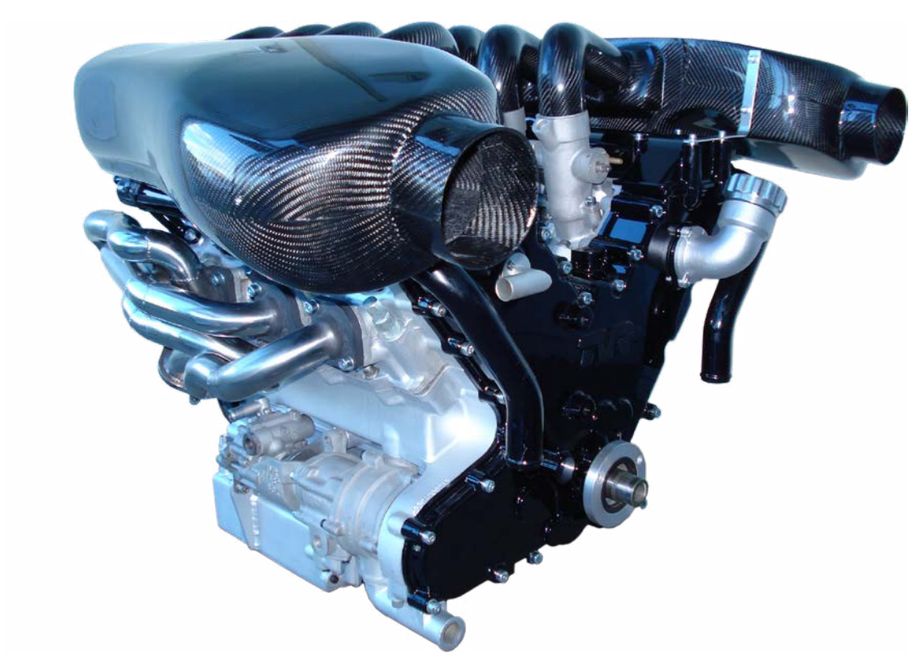
626/MX6

OEM Engine details 2,5 Ltr 24V (V6) | Engine code:KL | • Displacement:2497 cc | • Valves:24 | • Comp. Ratio:9,2:1 | • Head cc's:39,00 | • Gasket thickness:0,35 | • Rod Length:137,82
Bore:84,50 | • Stroke:74,20 | • Block Ht:204,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE147M845	84,50	Std.	29,16	-13	0,42-	8,5:1	20	8450XX	-	1,M	-	-	-
KE147M85	85,00	0,50	29,16	-13	0,42-	8,5:1	20	8500XX	-	1,M	-	-	-
KE147M855	85,50	1,00	29,16	-13	0,42-	8,5:1	20	8550XX	-	1,M	-	-	-
KE148M845	84,50	Std.	29,16	-2	0,42-	11,5:1	20	8450XX	306	1,M	-	-	-
KE148M85	85,00	0,50	29,16	-2	0,42-	11,5:1	20	8500XX	310	1,M	-	-	-
KE148M855	85,50	1,00	29,16	-2	0,42-	11,5:1	20	8550XX	314	1,M	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	218-4704	-	-
KING	-	-	-			





When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Mercedes

COMPLEMENTARY PARTS

190 E 2.3 -16

OEM Engine details 2,3 Ltr 16V | Engine code:M102.983 | • Displacement:2299 cc | • Valves:16 | • Comp. Ratio:9,7:1-10,5:1 | • Head cc's:57,00 | • Gasket thickness:1,75 | • Rod Length:145,00

Bore:95,50 | • Stroke:80,25 | • Block Ht:228,15

C/R with 1,50mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE230M955 *	95,50	Std.	38,90	-10	0,12-	8,5:1	22	9550XX	465	1,B,G,M,P	H3311SP/3063CF*	MBH5866BAGB4-A	-
KE230M9575 *	95,75	0,25	38,90	-10	0,12-	8,5:1	22	9575XX	470	1,B,G,M,P	H3311SP/3063CF*	MBH5866BAGB4-A	-
KE230M96 *	96,00	0,50	38,90	-10	0,12-	8,5:1	22	9600XX	474	1,B,G,M,P	H3311SP/3063CF*	MBH5866BAGB4-A	-
KE230M9625 *	96,25	0,75	38,90	-10	0,12-	8,5:1	22	9625XX	476	1,B,G,M,P	H3311SP/3063CF*	MBH5866BAGB4-A	-
KE230M965 *	96,50	1,00	38,90	-10	0,12-	8,5:1	22	9650XX	479	1,B,G,M,P	H3311SP/3063CF*	MBH5866BAGB4-A	

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	151-4702	-	-
KING	-	-	-			

C/R with 1,50mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
325792C *	96,00	0,50	38,90	3,1	0,12-	9,8:1	22	XH9600	466	B,G,M,P	H3311SP/3063CF*	MBH5866BAGB4-A	-
346671C *	96,50	1,00	38,90	3,1	0,12-	9,9:1	22	9650XX	467	B,G,M,P	H3311SP/3063CF*	MBH5866BAGB4-A	-
336213C *	97,00	1,50	38,90	3,1	0,12-	10,0:1	22	XH9700	477	B,G,M,P	H3311SP/3063CF*	MBH5866BAGB4-A	-
359457C *	96,00	0,50	38,90	12	0,12-	11,3:1	22	XH9600	480	B,G,M,P	H3311SP/3063CF*	MBH5866BAGB4-A	-
359457C-965 *	96,50	1,00	38,90	12	0,12-	11,3:1	22	9650XX	-	B,G,M,P	H3311SP/3063CF*	MBH5866BAGB4-A	-
359457C-97 *	97,00	1,50	38,90	12	0,12-	11,4:1	22	XH9700	-	B,G,M,P	H3311SP/3063CF*	MBH5866BAGB4-A	-

* For 149,00 mm rod | *2,3L 16V needs extra oil hole!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	151-4702	-	-
KING	-	-	-			

190 E 2.5-16

OEM Engine details 2,5 Ltr 16V | Engine code:M102.990 | • Displacement:2499 cc | • Valves:16 | • Comp. Ratio:9,7:1 | • Head cc's:57,00 | • Gasket thickness:1,82 | • Rod Length:149,00

Bore:95,50 | • Stroke:87,20 | • Block Ht:226,70

C/R with 1,50mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE228M955	95,50	Std.	34,10	-10	0	9,0:1	22	9550XX	398	1,B,F,M,P	H3311SP/3063CF	MBH5866BAGB4-A	-
KE228M9575	95,75	0,25	34,10	-10	0	9,0:1	22	9575XX	401	1,B,F,M,P	H3311SP/3063CF	MBH5866BAGB4-A	-
KE228M96	96,00	0,50	34,10	-10	0	9,0:1	22	9600XX	406	1,B,F,P	H3311SP/3063CF	MBH5866BAGB4-A	-
KE228M9625	96,25	0,75	34,10	-10	0	9,0:1	22	9625XX	410	1,B,F,M,P	H3311SP/3063CF	MBH5866BAGB4-A	-
KE228M965	96,50	1,00	34,10	-10	0	9,0:1	22	9650XX	413	1,B,F,P	H3311SP/3063CF	MBH5866BAGB4-A	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	151-4702	-	-
KING	-	-	-			

C/R with 1,50mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
341054C	96,00	0,50	34,09	-10	0,01-	9,0:1	22	9600XX	444	B,I,M,P,S	H3311SP/3063CF	MBH5866BAGB4-A	-
332010C	96,00	0,50	34,09	3,1	0,01-	10,7:1	22	XH9600	440	B,M,P,R	H3311SP/3063CF	MBH5866BAGB4-A	-
358548C	96,50	1,00	34,09	3,1	0,01-	10,8:1	22	XX9650	441	B,M,P,R	H3311SP/3063CF	MBH5866BAGB4-A	-
337337C	97,00	1,50	34,09	3,1	0,01-	10,9:1	22	XH9700	451	B,M,P,R	H3311SP/3063CF	MBH5866BAGB4-A	-
354532C	97,50	2,00	34,09	3,1	0,01-	11,0:1	22	XH9750	456	B,M,P,R	-	MBH5866BAGB4-A	-
TBA	96,00	0,50	34,09	12	0,01-	12,2:1	22	XX9600	-	B,M,P,R	H3311SP/3063CF	MBH5866BAGB4-A	-
TBA	96,50	1,00	34,09	12	0,01-	12,4:1	22	XX9650	-	B,M,P,R	H3311SP/3063CF	MBH5866BAGB4-A	-
TBA	97,00	1,50	34,09	12	0,01-	12,5:1	22	XH9700	-	B,M,P,R	H3311SP/3063CF	MBH5866BAGB4-A	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	151-4702	-	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

Mitsubishi PISTONS

COMPLEMENTARY PARTS

4G93 as in Lancer

OEM Engine details 1,8 Ltr 16V | Engine code:4G93 | • Displacement:1834 cc | • Valves:16 | • Comp. Ratio:9,5:1 | • Head cc's:47,00 | • Gasket thickness:1,07 | • Rod Length:133,35

Bore:81,00 | • Stroke:89,00 | • Block Ht:208,75

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K683M815AP	81,50	0,50	30,25	-2,5 FT	0,65-	9,0:1	19	8150XX	-	1,M	-	032CN12133	-
K683M82AP	82,00	1,00	30,25	-2,5 FT	0,65-	9,0:1	19	8200XX	-	1,M	-	032CN12133	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8036H(0,25)	5M8037H(0,25)	1T8037	-	-	-
KING	CR4119XP	MB5176XP	TW 143AM			

4G94 as in Lancer

OEM Engine details 2,0 Ltr 16V | Engine code:4G94 | • Displacement:1999 cc | • Valves:16 | • Comp. Ratio:9,5:1 | • Head cc's:49,00 | • Gasket thickness:1,07 | • Rod Length:153,00

Bore:81,50 | • Stroke:95,80 | • Block Ht:231,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K683M815AP	81,50	Std.	30,25	-2,5 FT	0,15	9,1:1	19	8150XX	-	1,M	-	032CM12153	-
K683M82AP	82,00	0,50	30,25	-2,5 FT	0,15	9,1:1	19	8200XX	-	1,M	-	032CM12153	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8050H(HX/0,25)	5M8037H(0,25)	1T8037	-	-	-
KING	CR4607XP	MB5176XP	-			

4G63 DSM GEN I (6-bolt)

OEM Engine details 2,0 Ltr 16V | Engine code:4G63 6-bolt | • Displacement:1997 cc | • Valves:16 | • Comp. Ratio:8,3:1 | • Head cc's:47,00 | • Gasket thickness:1,10 | • Rod Length:150,00

Bore:85,00 | • Stroke:88,00 | • Block Ht:229,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K559M85	85,00	Std.	35,00	-17	0	8,3:1	21	8500XX	324	1,M	C4233-051/C4957-050	032CI16150	-
K559M855	85,50	0,50	35,00	-17	0	8,3:1	21	8550XX	332	1	C4233-051/C4957-050	032CI16150	-
K559M86	86,00	1,00	35,00	-17	0	8,3:1	21	8600XX	340	1,M	C4234-051/C4957-050	032CI16150	-
K559M865	86,50	1,50	35,00	-17	0	8,3:1	21	8650XX	348	1,M	W6091/C4957-050	032CI16150	-
K560M85	85,00	Std.	35,00	-10	0	9,0:1	21	8500XX	343	1,M	C4233-051/C4957-050	032CI16150	-
K560M855	85,50	0,50	35,00	-10	0	9,0:1	21	8550XX	349	1	C4233-051/C4957-050	032CI16150	-
K560M86	86,00	1,00	35,00	-10	0	9,0:1	21	8600XX	361	1,M	C4234-051/C4957-050	032CI16150	-
K560M865	86,50	1,50	35,00	-10	0	9,0:1	21	8650XX	369	1,M	W6091/C4957-050	032CI16150	-
1400HD* (5,72 mm wall tool steel pins)													
K625M85AP	85,00	Std.	35,00	-14	0	8,5:1	21	8500XX	341	1,M	C4233-051/C4957-050	032CI16150	-
K625M855AP	85,50	0,50	35,00	-14	0	8,5:1	21	8550XX	348	1	C4233-051/C4957-050	032CI16150	-
K625M86AP	86,00	1,00	35,00	-14	0	8,5:1	21	8600XX	350	1,M	C4234-051/C4957-050	032CI16150	-
K625M865AP	86,50	1,50	35,00	-14	0	8,5:1	21	8650XX	357	1,M	W6091/C4957-050	032CI16150	-
K625M87AP	87,00	2,00	35,00	-14	0	8,5:1	21	8700XX	359	1,M	W6091/C4957-050	032CI16150	-
E85 Series 1400HD* (5,72 mm wall tool steel pins)													
K662M85AP	85,00	Std.	35,00	1	0	10,5:1	21	8500XX	363	1,M	C4233-051/C4957-050	032CI16150	-
K662M8525AP	85,25	0,25	35,00	1	0	10,5:1	21	8525XX	366	1,M	C4233-051/C4957-050	032CI16150	-
K662M855AP	85,50	0,50	35,00	1	0	10,5:1	21	8550XX	370	1,M	C4233-051/C4957-050	032CI16150	-
K662M86AP	86,00	1,00	35,00	1	0	10,5:1	21	8600XX	375	1	C4234-051/C4957-050	032CI16150	-
For stroker crank 94,00 mm 1400HD* (5,72 mm wall tool steel pins)													
KE239M85	85,00	Std.	32,00	-14	0	9,1:1	21	8500XX	323	1,M	C4233-051/C4957-050	032CI16150	032BCJ940
KE239M855	85,50	0,50	32,00	-14	0	9,1:1	21	8550XX	326	1,M	C4233-051/C4957-050	032CI16150	032BCJ940
KE239M86	86,00	1,00	32,00	-14	0	9,1:1	21	8600XX	330	1,M	C4234-051/C4957-050	032CI16150	032BCJ940
For stroker crank 100,00 mm													
K571M85	85,00	Std.	28,70	-21	0,30-	8,8:1	21	8500XX	284	1,M,Q	C4233-051/C4957-050	032CI16150	032BCJ100
K571M855	85,50	0,50	28,70	-21	0,30-	8,8:1	21	8550XX	289	1,M,Q	C4233-051/C4957-050	032CI16150	032BCJ100
K571M86	86,00	1,00	28,70	-21	0,30-	8,8:1	21	8600XX	296	1,Q	C4234-051/C4957-050	032CI16150	032BCJ100

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
208478	85,50	0,50	34,72	-13,2	0,28-	8,5:1	21	JG2704-3366	317	PS,R,T	C4233-051/C4957-050	032CI16150	-
253995	86,00	1,00	34,72	-14	0,28-	8,5:1	21	JG2804-3386	319	PS,R,T	C4234-051/C4957-050	032CI16150	-
For stroker crank 100,00 mm													
270665	85,50	0,50	28,70	-22	0,30-	8,5:1	21	JG1004-3366	285	M,R,T	C4233-051/C4957-050	032CI16150	032BCJ100
270668	86,00	1,00	28,70	-22	0,30-	8,5:1	21	JG1004-3386	292	M,R,T	C4234-051/C4957-050	032CI16150	032BCJ100

* 1400HD Strutted Forging/HD2 Asymmetrical Gasported Forging

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1146H (->'92)	5M1144H (->'92)	-	207-4701	107-6001	207-5401
KING	CR4120XP (->'92)	MB5227XP (->'92)	-			
	CR4120XPC (->'92)	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Mitsubishi PISTONS

COMPLEMENTARY PARTS

4G63 (7-bolt) DSM GEN II / EVO 1-9

OEM Engine details 2,0 Ltr 16V | Engine code:4G63 7-bolt | • Displacement:1997 cc | • Valves:16 | • Comp. Ratio:8,3:1 | • Head cc's:47,00/43,00* | • Gasket thickness:1,10 | • Rod Length:150,00

Bore:85,00 | • Stroke:88,00 | • Block Ht:229,00 | *Evo 8+9 =43,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K548M85AP	85,00	Std.	35,00	-17	0	8,3:1/8,5:1	22	8500XX	335	1,K	C4157-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K548M8525AP	85,25	0,25	35,00	-17	0	8,3:1/8,5:1	22	8525XX	337	1,K,M	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K548M855AP	85,50	0,50	35,00	-17	0	8,3:1/8,5:1	22	8550XX	343	1,K	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K548M86AP	86,00	1,00	35,00	-17	0	8,3:1/8,5:1	22	8600XX	352	1,K	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K548M8625AP	86,25	1,25	35,00	-17	0	8,3:1/8,5:1	22	8625XX	357	1,K,M	C4591-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K548M865AP	86,50	1,50	35,00	-17	0	8,3:1/8,5:1	22	8650XX	362	1,K	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K548M87AP	87,00	2,00	35,00	-17	0	8,3:1/8,5:1	22	8700XX	367	1,K	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K595M85AP	85,00	Std.	35,00	-14	0	8,5:1/9,0:1	22	8500XX	335	1,K	C4157-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K595M8525AP	85,25	0,25	35,00	-14	0	8,5:1/9,0:1	22	8525XX	337	1,K,M	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K595M855AP	85,50	0,50	35,00	-14	0	8,5:1/9,0:1	22	8550XX	340	1,K	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K595M86AP	86,00	1,00	35,00	-14	0	8,5:1/9,0:1	22	8600XX	345	1,K	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
1400HD* (5,72 mm wall tool steel pins)													
K626M85AP	85,00	Std.	35,00	-14	0	8,5:1/9,0:1	22	8500XX	334	1,F,K,Q	C4157-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K626M8525AP	85,25	0,25	35,00	-14	0	8,5:1/9,0:1	22	8525XX	339	1,F,K,M,Q	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K626M855AP	85,50	0,50	35,00	-14	0	8,5:1/9,0:1	22	8550XX	341	1,F,K,Q	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K626M86AP	86,00	1,00	35,00	-14	0	8,5:1/9,0:1	22	8600XX	349	1,F,K,Q	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K626M8625AP	86,25	1,25	35,00	-14	0	8,5:1/9,0:1	22	8625XX	358	1,F,K,M,Q	C4591-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K626M865AP	86,50	1,50	35,00	-14	0	8,5:1/9,0:1	22	8650XX	365	1,F,K,Q	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K626M87AP	87,00	2,00	35,00	-14	0	8,5:1/9,0:1	22	8700XX	370	1,F,K,Q	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
With 5,10 mm wall pins													
K597M85	85,00	Std.	35,00	-10	0	9,0:1/9,5:1	22	8500XX	341	1,K	C4157-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K597M855	85,50	0,50	35,00	-10	0	9,0:1/9,5:1	22	8550XX	349	1,K	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K597M86	86,00	1,00	35,00	-10	0	9,0:1/9,5:1	22	8600XX	356	1,K	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
With 5,10 mm wall pins													
K666M85AP	85,00	Std.	34,87	-9	0,13-	9,0:1/9,5:1	22	8500XX	342	1,K,S	C4157-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K666M8525AP	85,25	0,25	34,87	-9,3	0,13-	9,0:1/9,5:1	22	8525XX	345	1,K,M,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K666M855AP	85,50	0,50	34,87	-9,5	0,13-	9,0:1/9,5:1	22	8550XX	347	1,K,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K666M86AP	86,00	1,00	34,87	-10,2	0,13-	9,0:1/9,5:1	22	8600XX	360	1,K,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K666M865AP	86,50	1,50	34,87	-10,8	0,13-	9,0:1/9,5:1	22	8650XX	363	1,K,M,S	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K666M8675AP	86,75	1,75	34,87	-11,1	0,13-	9,0:1/9,5:1	22	8675XX	370	1,K,M,S	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K666M87AP	87,00	2,00	34,87	-11,4	0,13-	9,0:1/9,5:1	22	8700XX	377	1,K,M,S	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
E85 Series HD2* gas ported (5,72 mm wall tool steel pins)													
K668M85AP	85,00	Std.	34,87	-2	0,13-	10,0:1/10,5:1	22	8500XX	333	1,K,Q,S	C4157-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K668M8525AP	85,25	0,25	34,87	-3	0,13-	10,0:1/10,5:1	22	8525XX	336	1,K,M,Q,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K668M855AP	85,50	0,50	34,87	-3,25	0,13-	10,0:1/10,5:1	22	8550XX	339	1,K,Q,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K668M86AP	86,00	1,00	34,87	-3,9	0,13-	10,0:1/10,5:1	22	8600XX	345	1,K,Q,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K668M865AP	86,50	1,50	34,87	-4,5	0,13-	10,0:1/10,5:1	22	8650XX	348	1,K,M,Q,S	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K668M8675AP	86,75	1,75	34,87	-4,75	0,13-	10,0:1/10,5:1	22	8675XX	350	1,K,M,Q,S	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K668M87AP	87,00	2,00	34,87	-5	0,13-	10,0:1/10,5:1	22	8700XX	352	1,K,Q,S	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
E85 Series 1400HD* (5,72 mm wall tool steel pins)													
K656M85AP	85,00	Std.	35,00	-4,5	0	10,0:1/10,5:1	22	8500XX	372	1,K,Q	C4157-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K656M8525AP	85,25	0,25	35,00	-4,5	0	10,0:1/10,5:1	22	8525XX	375	1,K,M,Q	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K656M855AP	85,50	0,50	35,00	-4,5	0	10,0:1/10,5:1	22	8550XX	380	1,K,Q	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K656M86AP	86,00	1,00	35,00	-4,5	0	10,0:1/10,5:1	22	8600XX	386	1,K,Q	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K656M865AP	86,50	1,50	35,00	-4,5	0	10,0:1/10,5:1	22	8650XX	394	1,K,M,Q	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
K656M87AP	87,00	2,00	35,00	-4,5	0	10,0:1/10,5:1	22	8700XX	401	1,K,M,Q	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
For long rod 156,00 mm (5,10mm wall pins)													
K667M85AP	85,00	Std.	28,87	-17	0,13-	7,7:1/8,2:1	22	8500XX+GLS22	317	1,K,M,S	C4157-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K667M8525AP	85,25	0,25	28,87	-17,3	0,13-	7,7:1/8,2:1	22	8525XX+GLS22	320	1,K,M,S	C4156-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K667M855AP	85,50	0,50	28,87	-17,7	0,13-	7,7:1/8,2:1	22	8550XX+GLS22	322	1,K,S	C4156-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K667M86AP	86,00	1,00	28,87	-18,4	0,13-	7,7:1/8,2:1	22	8600XX+GLS22	331	1,K,S	C4156-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K667M865AP	86,50	1,50	28,87	-19,1	0,13-	7,7:1/8,2:1	22	8650XX+GLS33	340	1,K,M,S	C4591-045	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K667M8675AP	86,75	1,75	28,87	-19,4	0,13-	7,7:1/8,2:1	22	8675XX+GLS34	343	1,K,M,S	C4591-045	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K667M87AP	87,00	2,00	28,87	-19,8	0,13-	7,7:1/8,2:1	22	8700XX+GLS34	347	1,K,M,S	C4591-045	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
For long rod 156,00 mm 1400HD* (5,72 mm wall tool steel pins													
K627M85AP	85,00	Std.	28,70	-21	0,30-	8,0:1/8,5:1	22	8500XX+GLS32	292	1,K	C4157-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K627M8525AP	85,25	0,25	28,70	-21	0,30-	8,0:1/8,5:1	22	8525XX+GLS32	294	1,K,M	C4156-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K627M855AP	85,50	0,50	28,70	-21	0,30-	8,0:1/8,5:1	22	8550XX+GLS33	299	1,K	C4156-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K627M86AP	86,00	1,00	28,70	-21	0,30-	8,0:1/8,5:1	22	8600XX+GLS33	305	1,K	C4156-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K627M8625AP	86,25	1,25	28,70	-21	0,30-	8,0:1/8,5:1	22	8625XX+GLS33	307	1,K,M	C4591-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K627M865AP	86,50	1,50	28,70	-21	0,30-	8,0:1/8,5:1	22	8650XX+GLS33	312	1,K	C4591-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K627M87AP	87,00	2,00	28,70	-21	0,30-	8,0:1/8,5:1	22	8700XX+GLS34	318	1,K	C4591-045	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K627M875AP	87,50	2,50	28,70	-21	0,30-	8,0:1/8,5:1	22	8750XX+GLS34	325	1,K,M	C4591-045	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
For long rod 156,00 mm (5,10mm wall pins)													
K674M85AP	85,00	Std.	28,70	-12	0,30-	8,5:1/9,0:1	22	8500XX+GLS22	-	1,K,M,S	C4157-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K674M8525AP	85,25	0,25	28,70	-12	0,30-	8,5:1/9,0:1	22	8525XX+GLS22	-	1,K,M,S	C4156-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K674M855AP	85,50	0,50	28,70	-12	0,30-	8,5:1/9,0:1	22	8550XX+GLS22	-	1,K,M,S	C4156-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K674M86AP	86,00	1,00	28,70	-12	0,30-	8,5:1/9,0:1	22	8600XX+GLS33	-	1,K,M,S	C4156-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K674M8625AP	86,25	1,25	28,70	-12	0,30-	8,5:1/9,0:1	22	8625XX+GLS33	-	1,K,M,S	C4591-045	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K674M865AP	86,50	1,50	28,70	-12	0,30-	8,5:1/9,0:1	22	8650XX+GLS33	-	1,K,M,S	C4591-045	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K674M87AP	87,00	2,00	28,70	-12	0,30-	8,5:1/9,0:1	22	8700XX+GLS50	-	1,K,M,S	C4591-045	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
For long rod 156,00 mm HD2* gas ported (5,72mm wall pins)													

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Mitsubishi PISTONS

COMPLEMENTARY PARTS

4G63 (7-bolt) DSM GEN II / EVO 1-9

OEM Engine details 2,0 Ltr 16V Engine code:4G63 7-bolt • Displacement:1997 cc • Valves:16 • Comp. Ratio:8,3:1 • Head cc's:47,00/43,00* • Gasket thickness:1,10 • Rod Length:150,00

Bore:85,00 • Stroke:88,00 • Block Ht:229,00 *Evo 8+9 =43,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K669M85AP	85,00	Std.	28,87	-10	0,13-	8,5:1/9,0:1	22	8500XX+GLS22	311	1,K,S	C4157-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K669M8525AP	85,25	0,25	28,87	-10,25	0,13-	8,5:1/9,0:1	22	8525XX+GLS22	315	1,K,M,S	C4156-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K669M855AP	85,50	0,50	28,87	-10,5	0,13-	8,5:1/9,0:1	22	8550XX+GLS22	317	1,K,S	C4156-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K669M86AP	86,00	1,00	28,87	-11,25	0,13-	8,5:1/9,0:1	22	8600XX+GLS22	331	1,K,M,S	C4156-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K669M865AP	86,50	1,50	28,87	-11,75	0,13-	8,5:1/9,0:1	22	8650XX+GLS33	332	1,K,M,S	C4591-045	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K669M8675AP	86,75	1,75	28,87	-12,25	0,13-	8,5:1/9,0:1	22	8675XX+GLS34	336	1,K,M,S	C4591-045	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K669M87AP	87,00	2,00	28,87	-12,5	0,13-	8,5:1/9,0:1	22	8700XX+GLS34	340	1,K,M,S	C4591-045	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
For long rod 156,00 mm (5,10mm wall pins)													
K675M85AP	85,00	Std.	28,70	-4	0,30-	9,5:1/10,0:1	22	8500XX+GLS22	-	1,K,M,S	C4157-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K675M8525AP	85,25	0,25	28,70	-4	0,30-	9,5:1/10,0:1	22	8525XX+GLS22	-	1,K,M,S	C4156-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K675M855AP	85,50	0,50	28,70	-4	0,30-	9,5:1/10,0:1	22	8550XX+GLS22	-	1,K,M,S	C4156-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K675M86AP	86,00	1,00	28,70	-4	0,30-	9,5:1/10,0:1	22	8600XX+GLS33	-	1,K,M,S	C4156-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K675M8625AP	86,25	1,25	28,70	-4	0,30-	9,5:1/10,0:1	22	8625XX+GLS33	-	1,K,M,S	C4591-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K675M865AP	86,50	1,50	28,70	-4	0,30-	9,5:1/10,0:1	22	8650XX+GLS33	-	1,K,M,S	C4591-045	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K675M87AP	87,00	2,00	28,70	-4	0,30-	9,5:1/10,0:1	22	8700XX+GLS33	-	1,K,M,S	C4591-045	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
For long rod 156,00 mm (5,10mm wall pins)													
K676M85AP	85,00	Std.	28,70	1,9	0,30-	10,5:1/11,0:1	22	8500XX+GLS22	-	1,K,M,S	C4157-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K676M8525AP	85,25	0,25	28,70	1,9	0,30-	10,5:1/11,0:1	22	8525XX+GLS22	-	1,K,M,S	C4156-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K676M855AP	85,50	0,50	28,70	1,9	0,30-	10,5:1/11,0:1	22	8550XX+GLS22	-	1,K,M,S	C4156-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K676M86AP	86,00	1,00	28,70	1,9	0,30-	10,5:1/11,0:1	22	8600XX+GLS33	-	1,K,M,S	C4156-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K676M8625AP	86,25	1,25	28,70	1,9	0,30-	10,5:1/11,0:1	22	8625XX+GLS33	-	1,K,M,S	C4591-045/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K676M865AP	86,50	1,50	28,70	1,9	0,30-	10,5:1/11,0:1	22	8650XX+GLS33	-	1,K,M,S	C4591-045	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
K676M87AP	87,00	2,00	28,70	1,9	0,30-	10,5:1/11,0:1	22	8700XX+GLS34	-	1,K,M,S	C4591-045	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
For stroker crank 100,00 mm (5,10 mm wall pins)													
K596M85AP	85,00	Std.	28,70	-21	0,30-	8,5:1/9,0:1	22	8500XX+GLS22	297	1,K,M	C4157-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K596M8525AP	85,25	0,25	28,70	-21	0,30-	8,5:1/9,0:1	22	8525XX+GLS22	303	1,K,M	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K596M855AP	85,50	0,50	28,70	-21	0,30-	8,5:1/9,0:1	22	8550XX+GLS22	310	1,K	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K596M86AP	86,00	1,00	28,70	-21	0,30-	8,5:1/9,0:1	22	8600XX+GLS22	316	1,K	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
For stroker crank 100,00 mm 1400HD* (5,72 mm wall tool steel pins)													
K627M85AP	85,00	Std.	28,70	-21	0,30-	8,5:1/9,0:1	22	8500XX+GLS32	292	1,K,Q	C4157-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K627M8525AP	85,25	0,25	28,70	-21	0,30-	8,5:1/9,0:1	22	8525XX+GLS32	294	1,K,M,Q	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K627M855AP	85,50	0,50	28,70	-21	0,30-	8,5:1/9,0:1	22	8550XX+GLS33	299	1,K,Q	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K627M86AP	86,00	1,00	28,70	-21	0,30-	8,5:1/9,0:1	22	8600XX+GLS33	305	1,K,Q	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K627M8625AP	86,25	1,25	28,70	-21	0,30-	8,5:1/9,0:1	22	8625XX+GLS33	307	1,K,M,Q	C4591-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K627M865AP	86,50	1,50	28,70	-21	0,30-	8,0:1/8,5:1	22	8650XX+GLS33	312	1,K,Q	C4591-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K627M87AP	87,00	2,00	28,70	-21	0,30-	8,5:1/9,0:1	22	8700XX+GLS34	318	1,K,Q	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K627M875AP	87,50	2,50	28,70	-21	0,30-	8,5:1/9,0:1	22	8750XX+GLS34	325	1,K,M,Q	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
For stroker crank 100,00 mm (5,10mm wall pins)													
K667M85AP	85,00	Std.	28,87	-17	0,13-	9,0:1/9,5:1	22	8500XX+GLS22	317	1,K,M,Q,S	C4157-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K667M8525AP	85,25	0,25	28,87	-17,3	0,13-	9,0:1/9,5:1	22	8525XX+GLS22	320	1,K,M,Q,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K667M855AP	85,50	0,50	28,87	-17,7	0,13-	9,0:1/9,5:1	22	8550XX+GLS22	322	1,K,Q,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K667M86AP	86,00	1,00	28,87	-18,4	0,13-	9,0:1/9,5:1	22	8600XX+GLS22	331	1,K,Q,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K667M865AP	86,50	1,50	28,87	-19,1	0,13-	9,0:1/9,5:1	22	8650XX+GLS33	340	1,K,M,Q,S	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K667M8675AP	86,75	1,75	28,87	-19,4	0,13-	9,0:1/9,5:1	22	8675XX+GLS34	343	1,K,M,Q,S	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K667M87AP	87,00	2,00	28,87	-19,8	0,13-	9,0:1/9,5:1	22	8700XX+GLS34	347	1,K,M,Q,S	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
For stroker crank 100,00 mm (5,10mm wall pins)													
K674M85AP	85,00	Std.	28,70	-12	0,30-	9,7:1/10,2:1	22	8500XX+GLS22	-	1,K,M,Q,S	C4157-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K674M8525AP	85,25	0,25	28,70	-12	0,30-	9,7:1/10,2:1	22	8525XX+GLS22	-	1,K,M,Q,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K674M855AP	85,50	0,50	28,70	-12	0,30-	9,7:1/10,2:1	22	8550XX+GLS22	-	1,K,M,Q,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K674M86AP	86,00	1,00	28,70	-12	0,30-	9,7:1/10,2:1	22	8600XX+GLS33	-	1,K,M,Q,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K674M8625AP	86,25	1,25	28,70	-12	0,30-	9,7:1/10,2:1	22	8625XX+GLS33	-	1,K,M,Q,S	C4591-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K674M865AP	86,50	1,50	28,70	-12	0,30-	9,7:1/10,2:1	22	8650XX+GLS33	-	1,K,M,Q,S	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K674M87AP	87,00	2,00	28,70	-12	0,30-	9,7:1/10,2:1	22	8700XX+GLS50	-	1,K,M,Q,S	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
For stroker crank 100,00 mm HD2* gas ported (5,72mm wall pins)													
K669M85AP	85,00	Std.	28,87	-10	0,13-	10,0:1/10,5:1	22	8500XX+GLS22	311	1,K,Q,S	C4157-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K669M8525AP	85,25	0,25	28,87	-10,25	0,13-	10,0:1/10,5:1	22	8525XX+GLS22	315	1,K,M,Q,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K669M855AP	85,50	0,50	28,87	-10,5	0,13-	10,0:1/10,5:1	22	8550XX+GLS22	317	1,K,Q,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K669M86AP	86,00	1,00	28,87	-11,25	0,13-	10,0:1/10,5:1	22	8600XX+GLS22	331	1,K,Q,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K669M865AP	86,50	1,50	28,87	-11,75	0,13-	10,0:1/10,5:1	22	8650XX+GLS33	332	1,K,Q,S	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K669M8675AP	86,75	1,75	28,87	-12,25	0,13-	10,0:1/10,5:1	22	8675XX+GLS34	336	1,K,M,Q,S	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K669M87AP	87,00	2,00	28,87	-12,5	0,13-	10,0:1/10,5:1	22	8700XX+GLS34	340	1,K,Q,S	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
For stroker crank 100,00 mm (5,10mm wall pins)													
K675M85AP	85,00	Std.	28,70	-4	0,30-	10,8:1/11,3:1	22	8500XX+GLS22	-	1,K,M,Q,S	C4157-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K675M8525AP	85,25	0,25	28,70	-4	0,30-	10,8:1/11,3:1	22	8525XX+GLS22	-	1,K,M,Q,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K675M855AP	85,50	0,50	28,70	-4	0,30-	10,8:1/11,3:1	22	8550XX+GLS22	-	1,K,M,Q,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K675M86AP	86,00	1,00	28,70	-4	0,30-	10,8:1/11,3:1	22	8600XX+GLS33	-	1,K,M,Q,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K675M8625AP	86,25	1,25	28,70	-4	0,30-	10,8:1/11,3:1	22	8625XX+GLS33	-	1,K,M,Q,S	C4591-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K675M865AP	86,50	1,50	28,70	-4	0,30-	10,8:1/11,3:1	22	8650XX+GLS33	-	1,K,M,Q,S	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K675M87AP	87,00	2,00	28,70	-4	0,30-	10,8:1/11,3:1	22	8700XX+GLS33	-	1,K,M,Q,S	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
For stroker crank 100,00 mm (5,10mm wall pins)													

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

Mitsubishi PISTONS

COMPLEMENTARY PARTS

4G63 (7-bolt) DSM GEN II / EVO 1-9

OEM Engine details 2,0 Ltr 16V Engine code:4G63 7-bolt • Displacement:1997 cc • Valves:16 • Comp. Ratio:8,3:1 • Head cc's:47,00/43,00* • Gasket thickness:1,10 • Rod Length:150,00

Bore:85,00 • Stroke:88,00 • Block Ht:229,00 *Evo 8+9 =43,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K676M85AP	85,00	Std.	28,70	1,9	0,30-	12,0:1/12,5:1	22	8500XX+GLS22	-	1,K,M,Q,S	C4157-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K676M8525AP	85,25	0,25	28,70	1,9	0,30-	12,0:1/12,5:1	22	8525XX+GLS22	-	1,K,M,Q,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K676M855AP	85,50	0,50	28,70	1,9	0,30-	12,0:1/12,5:1	22	8550XX+GLS22	-	1,K,M,Q,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K676M86AP	86,00	1,00	28,70	1,9	0,30-	12,0:1/12,5:1	22	8600XX+GLS33	-	1,K,M,Q,S	C4156-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K676M8625AP	86,25	1,25	28,70	1,9	0,30-	12,0:1/12,5:1	22	8625XX+GLS33	-	1,K,M,Q,S	C4591-045/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K676M865AP	86,50	1,50	28,70	1,9	0,30-	12,0:1/12,5:1	22	8650XX+GLS33	-	1,K,M,Q,S	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
K676M87AP	87,00	2,00	28,70	1,9	0,30-	12,0:1/12,5:1	22	8700XX+GLS34	-	1,K,M,Q,S	C4591-045	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
297050	85,00	Std.	34,70	-12,5	0,30-	8,5:1/9,0:1	22	JG1004-3346	303	K,PS,S,T	C4157-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
297511	85,50	0,50	34,72	-13,2	0,28-	8,5:1/9,0:1	22	JG1004-3366	311	PS,S,T,U	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
208477	85,50	0,50	34,70	-13,3	0,30-	8,5:1/9,0:1	22	JG1004-3366	316	K,M,PS,R	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
297051	85,50	0,50	34,70	-13,3	0,30-	8,5:1/9,0:1	22	JG1004-3366	306	K,PS,S,T	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
297512	86,00	1,00	34,72	-14	0,28-	8,5:1/9,0:1	22	JG1004-3386	313	PS,S,T,U	C4156-040	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
254006	86,00	1,00	34,70	-14	0,30-	8,5:1/9,0:1	22	JG1004-3386	319	K,M,PS,R	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
297052	86,00	1,00	34,70	-14	0,30-	8,5:1/9,0:1	22	JG1004-3386	309	K,PS,S,T	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
333152C	86,50	1,50	34,70	-14	0,30-	8,5:1/9,0:1	22	JG1001-3405	325	K,M,S,T	C4591-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
361287	85,00	Std.	34,70	-5,0	0,30-	9.5:1/10.0:1	22	JG1004-3346	-	F,PS,UL	C4157-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
361288	85,50	0,50	34,70	-5,5	0,30-	9.5:1/10.0:1	22	JG1004-3366	-	F,PS,UL	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
361289	86,00	1,00	34,70	-6,0	0,30-	9.5:1/10.0:1	22	JG1004-3386	-	F,PS,UL	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
302951	85,00	Std.	34,72	-2,1/FT	0,28-	10,0:1/10,5:1	22	JG1004-3346	313	PS,S,T,U	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
297007	85,00	Std.	34,70	-2,1/FT	0,30-	10,0:1/10,5:1	22	JG1004-3346	313	K,PS,S,T	C4157-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
302952	85,50	0,50	34,72	-2,1/FT	0,28-	10,0:1/10,5:1	22	JG1004-3366	315	PS,S,T,U	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
297008	85,50	0,50	34,70	-2,1/FT	0,30-	10,0:1/10,5:1	22	JG1004-3366	315	K,PS,S,T	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
302953	86,00	1,00	34,72	-2,1/FT	0,28-	10,0:1/10,5:1	22	JG1004-3386	317	PS,S,T,U	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
297009	86,00	1,00	34,70	-2,1/FT	0,30-	10,0:1/10,5:1	22	JG1004-3386	317	K,M,PS,S,T	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
For long rod 156,00 mm													
312758C	85,50	0,50	28,70	-13,3	0,30-	8,5:1/9,0:1	22	JG1001-3366	280	M,K,S,T	C4156-040/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
312759C	86,00	1,00	28,70	-14	0,30-	8,5:1/9,0:1	22	JG1001-3386	284	M,K,S,T	C4156-040/MI1004-039 *	MH6142ACGB-L4-A / R-MIT-007-I / R-MIT-007-IP	032BCJ880 / C-MIT-001L
For stroker crank 94,00 mm													
297478	85,00	Std.	31,70	-17,1	0,30-	8,5:1/9,0:1	22	JG1004-3346	293	K,M,PS,Q,S,T	C4157-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ940 / C-MIT-003L
297479	85,50	0,50	31,70	-17,9	0,30-	8,5:1/9,0:1	22	JG1004-3366	293	K,PS,Q,S,T	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ940 / C-MIT-003L
297480	86,00	1,00	31,70	-18,6	0,30-	8,5:1/9,0:1	22	JG1004-3386	299	K,PS,Q,S,T	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ940 / C-MIT-003L
340591C	86,25	1,25	31,70	-18,6	0,30-	8,5:1/9,0:1	22	8625XX	310	K,Q,S,T	C4591-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ940 / C-MIT-003L
For stroker crank 100,00 mm													
297047	85,00	Std.	28,70	-21,7	0,30-	8,5:1/9,0:1	22	JG1004-3346	268	K,PS,Q,S,T	C4157-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
270666	85,50	0,50	28,70	-22	0,30-	8,5:1/9,0:1	22	JG1004-3366	285	K,M,Q,R	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
297506	85,50	0,50	28,70	-22	0,30-	8,5:1/9,0:1	22	JG1004-3366	276	PS,S,T,U	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
297048	85,50	0,50	28,70	-22	0,30-	8,5:1/9,0:1	22	JG1004-3366	272	K,PS,Q,S,T	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
297507	86,00	1,00	28,70	-23,3	0,30-	8,5:1/9,0:1	22	JG1004-3386	278	PS,S,T,U	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ880 / C-MIT-001L
270667	86,00	1,00	28,70	-23,3	0,30-	8,5:1/9,0:1	22	JG1004-3386	286	K,M,Q,R	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
297049	86,00	1,00	28,70	-23,3	0,30-	8,5:1/9,0:1	22	JG1004-3386	274	K,PS,Q,S,T	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
315009C	86,50	1,50	28,70	-21,7	0,30-	8,5:1/9,0:1	22	JG1001-3405	280	K,M,Q,S	C4591-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
361290	85,00	Std.	28,70	-12,5	0,30-	9,5:1/10.0:1	22	JG1004-3386	-	F,PS,Q,UL	C4157-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
361291	85,50	0,50	28,70	-13,2	0,30-	9,5:1/10.0:1	22	JG1004-3386	-	F,PS,Q,UL	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
361292	86,00	1,00	28,70	-13,9	0,30-	9,5:1/10.0:1	22	JG1004-3386	-	F,PS,Q,UL	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
312758C	85,50	0,50	28,70	-13,3	0,30-	10,0:1/10,5:1	22	JG1001-3366	280	K,M,Q,S,T	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L
312759C	86,00	1,00	28,70	-14	0,30-	10,0:1/10,5:1	22	JG1001-3386	284	K,M,Q,S,T	C4156-040/MI1004-039 *	032CJ17150 / MI5906-866 / R-MIT-002-H / R-MIT-002-I / R-MIT-002IP	032BCJ100 / C-MIT-002L

* 1400HD Strutted Forging/HD2 Asymmetrical Gasported Forging

* Head gasket :Evo 9 use MI1004-039

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1146H(HX/0,025/0,25) (->'92)	5M1144(HX/0,025/0,25) (->'92)	-	207-4702	107-6002	207-5401
	4B1185H(HX/0,025/0,25) ('92-> flanged main)	5M1186(HX/0,025/0,25) ('92->flanged main)	-			
	4B1185H(HX/0,025/0,25) ('97-> with thrust)	5M1219H(HX/0,025/0,25) ('97 with thrust)	1T1219			
KING	CR4481XP (->'92)	MB5227XP (->'92)				
	CR4120XP ('92-> flanged main)	MB5209XP ('92-> flanged main)	-			
	CR4120XP ('97-> with thrust)	MB5315XP ('97-> with thrust)	TW 173AM			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Mitsubishi PISTONS

COMPLEMENTARY PARTS

Evo 10

OEM Engine details 2,0 Ltr 16V | Engine code:4B11-T | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:9,0:1 | • Head cc's:49,00 | • Gasket thickness:1,20 | • Rod Length:143,75
Bore:86,00 | • Stroke:86,00 | • Block Ht:220,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K636M86	86,00	Std.	33,25	-4,5	0	9,0:1	23	8600XX	362	1,Q,S	C4483-044	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
K636M865	86,50	0,50	33,25	-4,5	0	9,0:1	23	8650XX	368	1,Q,S	C4483-044	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
K636M87	87,00	1,00	33,25	-4,5	0	9,0:1	23	8700XX	374	1,M,Q,S	C4483-044	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
K636M88	88,00	2,00	33,25	-4,5	0	9,0:1	23	8800XX	380	1,M,Q,S	C4483-044	032CK21144 / MI5657-905 / R-MIT-EN24-006	-

C/R with 50,50 head cc's

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
296904	86,00	Std.	33,35	-5,5	0,10	9,0:1	23	JG1004-3386	320	PS,S,T	C4483-048	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
361293	86,25	0,25	33,35	-5,8	0,10	9,0:1	23	JG1004-3396	322	PS,S,T	C4483-048	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
296905	86,50	0,50	33,35	-6,2	0,10	9,0:1	23	JG1004-3405	324	PS,S,T	C4483-048	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
317836	87,00	1,00	33,35	-6,8	0,10	9,0:1	23	JG1004-3425	328	M,PS,S,T	C4483-048	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
317837	88,00	2,00	33,35	-8,2	0,10	9,0:1	23	JG1004-3465	336	M,PS,S,T	C4483-048	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
317839	89,00	3,00	33,35	-9,5	0,10	9,0:1	23	JG1004-3504	340	M,PS,S,T	C4484-048	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
317838	90,00	4,00	33,35	-10,9	0,10	9,0:1	23	JG1004-3543	350	M,PS,S,T	C4484-048	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
361295	86,00	STD	33,35	1,4	0,10	10,0:1	23	JG1004-3386	-	F,PS,UL	C4483-048	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
361294	86,25	0,25	33,35	1,1	0,10	10,0:1	23	JG1004-3396	340	PS,S,T	C4483-048	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
361296	86,50	0,50	33,35	0,8	0,10	10,0:1	23	JG1004-3405	-	F,PS,UL	C4483-048	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
361297	87,00	1,00	33,35	0,2	0,10	10,0:1	23	JG1004-3425	-	F,PS,UL	C4483-048	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
317840	86,00	Std.	33,35	1,4	0,10	10,0:1	23	JG1004-3386	338	PS,S,T	C4483-048	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
317841	86,50	0,50	33,35	0,8	0,10	10,0:1	23	JG1004-3405	342	PS,S,T	C4483-048	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
317842	87,00	1,00	33,35	0,2	0,10	10,0:1	23	JG1004-3425	348	M,PS,S,T	C4483-048	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
317843	88,00	2,00	33,35	-1	0,10	10,0:1	23	JG1004-3465	354	M,PS,S,T	C4483-048	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
317844	89,00	3,00	33,35	-2,1	0,10	10,0:1	23	JG1004-3504	360	M,PS,S,T	C4484-048	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
317845	90,00	4,00	33,35	-3,3	0,10	10,0:1	23	JG1004-3543	366	M,PS,S,T	C4484-048	032CK21144 / MI5657-905 / R-MIT-EN24-006	-
For stroker crank 98,00 mm													
323912C	86,00	Std.	27,36	-13,8	0,11	9,0:1	23	JG1001-3386	278	M,S,T	C4483-048	032CK21144 / MI5657-905 / R-MIT-EN24-006	032DCK980

#Available bearings

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1236H(HX/0,025/0,25)	5M1237H(HX/0,025/0,25)	1T1237	207-4206	207-6002	207-5403
KING	CR4586XP	MB5722XP	TW1029AM			
	CR4586XPC	MB5722XPC	-			

4G64 16V as in Eclipse II

OEM Engine details 2,4 Ltr 16V | Engine code:4G64 | • Displacement:2351 cc | • Valves:16 | • Comp. Ratio:9,5:1-9,6:1 | • Head cc's:47,00 | • Gasket thickness:1,10 | • Rod Length:150,00
Bore:86,50 | • Stroke:100,00 | • Block Ht:235,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
With 4G63 head (21 mm pin)													
K564M87	87,00	0,50	35,00	-22	0	8,5:1-8,7:1	21	8700XX	336	1,M	W6038	032CI16150	032BCJ100
With 4G63 head (21 mm pin) 1400HD* (5,72 mm wall tool steel pins)													
K625M865AP	86,50	Std.	35,00	-14	0	9,7:1	21	8650XX	357	1,M	W6038	032CI16150	032BCJ100
K625M87AP	87,00	0,50	35,00	-14	0	9,7:1	21	8700XX	369	1	W6038	032CI16150	032BCJ100
With 4G63 head (22 mm pin)													
K548M865AP	86,50	Std.	35,00	-17	0	9,0-9,3:1	22	8650XX	353	1	W6038	032CJ17150 / MI5906-866	032BCJ100
K548M87AP	87,00	0,50	35,00	-17	0	9,0-9,3:1	22	8700XX	360	1	W6038	032CJ17150 / MI5906-866	032BCJ100
With 4G63 head 1400HD* (5,72 mm wall tool steel pins)													
K626M865AP	86,50	Std.	35,00	-14	0	9,7:1	22	8650XX	356	1	W6038	032CJ17150 / MI5906-866	032BCJ100
K626M87AP	87,00	0,50	35,00	-14	0	9,7:1	22	8700XX	360	1	W6038	032CJ17150 / MI5906-866	032BCJ100
With 4G63 head (5,10 mm wall pins)													
K666M865AP	86,50	Std,	34,87	-10,8	0,13-	10,1:1/10,6:1	22	8650XX	360	1,M,S	W6038	032CJ17150 / MI5906-866	032BCJ100
K666M8675AP	86,75	0,25	34,87	-11,1	0,13-	10,1:1/10,6:1	22	8675XX	363	1,M,S	W6038	032CJ17150 / MI5906-866	032BCJ100
K666M87AP	87,00	0,50	34,87	-11,4	0,13-	10,1:1/10,6:1	22	8700XX	370	1,S	W6038	032CJ17150 / MI5906-866	032BCJ100
With 4G63 head E85 series HD2* gas ported (5,72 mm wall tool steel pins)													
K668M865AP	86,50	Std,	34,87	-4,5	0,13-	11,3:1/11,8:1	22	8650XX	348	1,M,S	W6038	032CJ17150 / MI5906-866	032BCJ100
K668M8675AP	86,75	0,25	34,87	-4,75	0,13-	11,3:1/11,8:1	22	8675XX	350	1,M,S	W6038	032CJ17150 / MI5906-866	032BCJ100
K668M87AP	87,00	0,50	34,87	-5	0,13-	11,3:1/11,8:1	22	8700XX	352	1,M,S	W6038	032CJ17150 / MI5906-866	032BCJ100
For long rod 156,00 mm (5,10mm wall pins)													
K667M865AP	86,50	Std,	28,87	-19,1	0,13-	9,0:1/9,5:1	22	8650XX+GLS33	340	1,M,S	W6038	MH6142ACGB-L4-A	032BCJ100
K667M8675AP	86,75	0,25	28,87	-19,4	0,13-	9,0:1/9,5:1	22	8675XX+GLS34	341	1,M,S	W6038	MH6142ACGB-L4-A	032BCJ100
K667M87AP	87,00	0,50	28,87	-19,8	0,13-	9,0:1/9,5:1	22	8700XX+GLS34	347	1,M,S	W6038	MH6142ACGB-L4-A	032BCJ100
For long rod 156,00 mm HD2* gas ported (5,72mm wall pins)													
K669M865AP	86,50	Std,	28,87	-11,75	0,13-	10,0:1/10,5:1	22	8650XX+GLS33	332	1,S	W6038	MH6142ACGB-L4-A	032BCJ100
K669M8675AP	86,75	0,25	28,87	-12,25	0,13-	10,0:1/10,5:1	22	8675XX+GLS34	336	1,M,S	W6038	MH6142ACGB-L4-A	032BCJ100
K669M87AP	87,00	0,50	28,87	-12,5	0,13-	10,0:1/10,5:1	22	8700XX+GLS34	340	1,S	W6038	MH6142ACGB-L4-A	032BCJ100
For long rod 162,00 mm with crank 88,00 mm (5,10mm wall pins)													
K667M865AP	86,50	Std,	28,87	-19,1	0,13-	7,7:1/8,2:1	22	8650XX+GLS33	340	1,M,S	W6038	032CJ17162	032BCJ100
K667M8675AP	86,75	0,25	28,87	-19,4	0,13-	7,7:1/8,2:1	22	8675XX+GLS34	341	1,M,S	W6038	032CJ17162	032BCJ100
K667M87AP	87,00	0,50	28,87	-19,8	0,13-	7,7:1/8,2:1	22	8700XX+GLS34	347	1,M,S	W6038	032CJ17162	032BCJ100
For long rod 162,00 mm HD2* gas ported (5,72mm wall pins)													
K669M865AP	86,50	Std,	28,87	-11,75	0,13-	8,5:1/9,0:1	22	8650XX+GLS33	332	1,M,S	W6038	032CJ17162	032BCJ880
K669M8675AP	86,75	0,25	28,87	-12,25	0,13-	8,5:1/9,0:1	22	8675XX+GLS34	341	1,M,S	W6038	032CJ17162	032BCJ880
K669M87AP	87,00	0,50	28,87	-12,5	0,13-	8,5:1/9,0:1	22	8700XX+GLS34	347	1,M,S	W6038	032CJ17162	032BCJ880

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Mitsubishi PISTONS

COMPLEMENTARY PARTS

4G64 16V as in Eclipse II

OEM Engine details 2,4 Ltr 16V | Engine code:4G64 | Bore:86,50 | • Displacement:2351 cc | • Stroke:100,00 | • Valves:16 | • Block Ht:235,00 | • Comp. Ratio:9,5:1-9,6:1 | • Head cc's:47,00 | • Gasket thickness:1,10 | • Rod Length:150,00

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
With 4G63 head (21 mm pin)													
256466	87,00	0,50	34,70	-24	0,28-	8,5:1	21	JG2104-3425	316	PS,R	W6038	032CI16150	032BCJ100
With 4G63 head (22 mm pin)													
256468	87,00	0,50	34,72	-24	0,28-	8,5:1	22	JG2104-3425	314	R,T	W6038	032CJ17150 / MI5906-866	032BCJ100
256469	87,50	1,00	34,72	-24,9	0,28-	8,5:1	22	JG2204-3445	322	M,R,T	C4213-050	032CJ17150 / MI5906-866	032BCJ100

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1146H(HX/0,025/0,25) (->'92)	5M1144(HX/0,025/0,25) (->'92)	-	207-4702	107-6002	207-5401
	4B1185H(HX/0,025/0,25) ('92-> flanged main)	5M1186(HX/0,025/0,25) ('92->flanged main)	-			
	4B1185H(HX/0,025/0,25) ('97-> with thrust)	5M1219H(HX/0,025/0,25) ('97 with thrust)	1T1219			
KING	CR4481XP (->'92)	MB5227XP (->'92)	-			
	CR4120XP ('92-> flanged main)	MB5209XP ('92-> flanged main)	-			
	CR4120XP ('97-> with thrust)	MB5315XP ('97-> with thrust)	TW 173AM			

420A

OEM Engine details 2,0 Ltr 16V | Engine code:420A | Bore:87,50 | • Displacement:1996 cc | • Stroke:83,00 | • Valves:16 | • Block Ht:212,00 | • Comp. Ratio:9,8:1 | • Head cc's:52,00 | • Gasket thickness:1,00 | • Rod Length:139,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K580M875	87,50	Std.	31,40	-5	0,10-	8,8:1	21	8750XX	331	1	C5498-040	-	-
K580M88	88,00	0,50	31,40	-5	0,10-	8,8:1	21	8800XX	339	1,M	C5498-040	-	-
K580M885	88,50	1,00	31,40	-5	0,10-	8,8:1	21	8850XX	347	1,M	C5498-040	-	-
K581M875	87,50	Std.	31,40	5	0,10-	10,5:1	21	8750XX	334	1,M	C5498-040	-	-
K581M88	88,00	0,50	31,40	5	0,10-	10,5:1	21	8800XX	341	1	C5498-040	-	-
K581M885	88,50	1,00	31,40	5	0,10-	10,5:1	21	8850XX	349	1,M	C5498-040	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	141-5801
KING	-	-	-			

* Same as Neon DOHC engine!

4G54B

OEM Engine details 2,5 Ltr 8V | Engine code:4G54B | Bore:91,10 | • Displacement:2555 cc | • Stroke:98,00 | • Valves:8 | • Block Ht:251,00 | • Comp. Ratio:7,0:1 | • Head cc's:73,50 | • Gasket thickness:1,30 | • Rod Length:166,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K555M92	92,00	0,90	35,30	-17	0,70-	7,25:1-7,8:1	22	9200XX	382	1,M	-	-	-
K555M925	92,50	1,40	35,30	-17	0,70-	7,25:1-7,8:1	22	9250XX	396	1,M	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	207-4202	107-6003	207-5402
KING	-	-	-			

6G72T as in 3000GT

OEM Engine details 3,0 Ltr 24V | Engine code:6G72T | Bore:91,10 | • Displacement:2972 cc | • Stroke:76,00 | • Valves:24 | • Block Ht:211,15 | • Comp. Ratio:8,0:1 | • Head cc's:48,00 | • Gasket thickness:1,27 | • Rod Length:141,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K570M915	91,50	0,40	31,75	-14	0,40-	7,8:1	22	9150XX	343	1	C4243-051(2x)	MI-3.0-S-65551H-06	-
K570M92	92,00	0,90	31,75	-14	0,40-	7,9:1	22	9200XX	355	1	C4243-051(2x)	MI-3.0-S-65551H-06	-
K570M925	92,50	1,40	31,75	-14	0,40-	7,9:1	22	9250XX	362	1,M	C4243-051(2x)	MI-3.0-S-65551H-06	-

C/R with 1,00 mm head gasket and 43,00 head cc's

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
321330	91,10	Std.	31,50	-15,5	0,65-	8.0:1	22	JC2206-3587	342	F,M,T	C4243-040(2x)	MI-3.0-S-65551H-06	-
321331	91,50	0,40	31,50	-15,8	0,65-	8.0:1	22	JG1006-3602	345	F,M,T	C4243-040(2x)	MI-3.0-S-65551H-06	-
321332	92,00	0,90	31,50	-16,5	0,65-	8.0:1	22	JG1006-3622	347	F,M,T	C4243-040(2x)	MI-3.0-S-65551H-06	-
321333	91,10	Std.	31,50	-6,5	0,65-	9.0:1	22	JC2206-3587	355	F,M,T	C4243-040(2x)	MI-3.0-S-65551H-06	-
321334	91,50	0,40	31,50	-6,9	0,65-	9.0:1	22	JG1006-3602	357	F,M,T	C4243-040(2x)	MI-3.0-S-65551H-06	-
321335	92,00	0,90	31,50	-7,5	0,65-	9.0:1	22	JG1006-3622	359	F,M,T	C4243-040(2x)	MI-3.0-S-65551H-06	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	207-4205	107-6004	207-5801
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Mitsubishi PISTONS

6G75 as in Eclipse/Pajero

OEM Engine details 3,8 Ltr 24V | Engine code:6G75 | • Displacement:3828 cc | • Valves:24 | • Comp. Ratio:10,5:1 | • Head cc's:N/A | • Gasket thickness:N/A | • Rod Length:153,50
Bore:95,00 | • Stroke:90,00 | • Block Ht:228,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE251M95	95,00	Std.	29,00	-2,5	0,50-	10,3:1	22	9500XX	400	M,R	-	-	-
KE251M955	95,50	0,50	29,00	-2,5	0,50-	10,3:1	22	9550XX	406	M,R	-	-	-
KE251M96	96,00	1,00	29,00	-2,5	0,50-	10,3:1	22	9600XX	410	M,R	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

Nissan

CA18DET as in Silvia

OEM Engine details 1,8 Ltr 16V | Engine code:CA18DET | • Displacement:1809 cc | • Valves:16 | • Comp. Ratio:8,0:1 | • Head cc's:51,00 | • Gasket thickness:1,50 | • Rod Length:132,90
Bore:83,00 | • Stroke:83,60 | • Block Ht:204,75

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K630M83	83,00	Std.	29,75	-0,5 FT	0,30-	8,5:1	20	8300XX	303	1,F,M,Q	W6582	033CO14133 / R-NIS-001H	-
K630M835	83,50	0,50	29,75	-0,5 FT	0,30-	8,5:1	20	8350XX	309	1,F,Q	W6582	033CO14133 / R-NIS-001H	-
K630M84	84,00	1,00	29,75	-0,5 FT	0,30-	8,5:1	20	8400XX	312	1,F,Q	W6582	033CO14133 / R-NIS-001H	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
302299	83,00	Std.	30,00	-0,5 FT	0,05-	8,5:1	20	JG1004-3268	293	PS,S,T	W6582	033CO14133 / R-NIS-001H	-
302300	83,50	0,50	30,00	-0,5 FT	0,05-	8,5:1	20	JG1004-3287	295	PS,S,T	W6582	033CO14133 / R-NIS-001H	-
302301	84,00	1,00	30,00	-0,5 FT	0,05-	8,5:1	20	JG1004-3307	297	PS,S,T	W6582	033CO14133 / R-NIS-001H	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1630H(HX/0,025/0,25/0,50)	5M1633H(HX/0,025/0,25/0,50)	-	202-4702	-	-
KING	CR 407XP	MB5232XP	-			

FJ20 as in Silvia

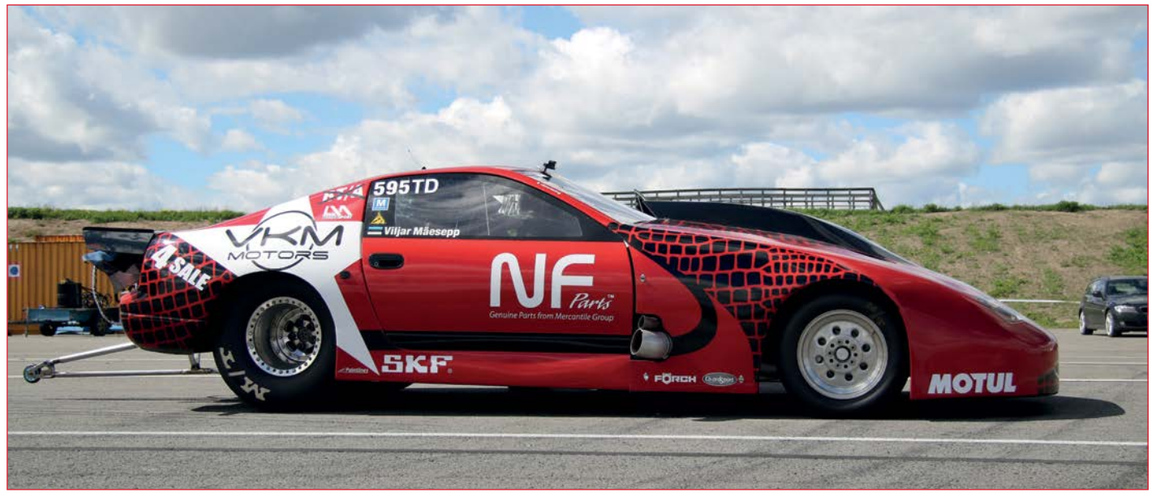
OEM Engine details 2,0 Ltr 16V | Engine code:FJ20ET | • Displacement:1990 cc | • Valves:16 | • Comp. Ratio:9,0:1 | • Head cc's:49,50 | • Gasket thickness:1,30 | • Rod Length:140,00
Bore:89,00 | • Stroke:80,00 | • Block Ht:212,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K574M895	89,50	0,50	32,18	-16,7	0,18	8,0:1	22	8950XX	383	1,M	W6311	-	-
K574M90	90,00	1,00	32,18	-16,7	0,18	8,0:1	22	9000XX	386	1,M	W6311	-	-

C/R with 1,00 mm head gasket

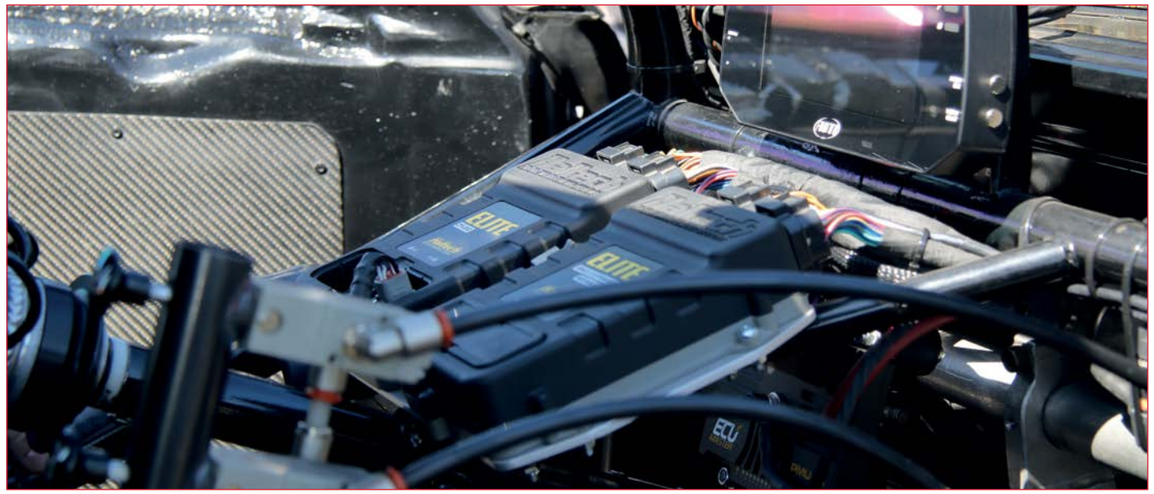
Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
317882	89,00	Std.	32,00	-10	0	8,5:1	22	JG1004-3504	327	M,S,T	C4326-040	-	-
317883	89,50	0,50	32,00	-10,7	0	8,5:1	22	JG1004-3524	330	M,S,T	C4326-040	-	-
317884	90,00	1,00	32,00	-11,4	0	8,5:1	22	JG1004-3543	333	M,S,T	C4326-040	-	-
317885	89,00	Std.	32,00	-2,2	0	9,5:1	22	JG1004-3504	343	M,S,T	C4326-040	-	-
317886	89,50	0,50	32,00	-2,8	0	9,5:1	22	JG1004-3524	346	M,S,T	C4326-040	-	-
317887	90,00	1,00	32,00	-3,4	0	9,5:1	22	JG1004-3543	349	M,S,T	C4326-040	-	

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			



When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

COMPLEMENTARY PARTS



Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Nissan PISTONS

COMPLEMENTARY PARTS

SR20DET as in 180SX/200SX (S13+S14)

OEM Engine details 2,0 Ltr 16V | Engine code:SR20DET | Bore:86,00 | • Displacement:1998 cc | • Stroke:86,00 | • Valves:16 | • Block Ht:211,25 | • Comp. Ratio:8,5:1 | • Head cc's:45,00 | • Gasket thickness:0,91 | • Rod Length:136,25

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K556M86AP	86,00	Std.	32,00	-12	0	9,1:1-9,25:1	22	8600XX	328	1,2	W6172(S13)/C4576-040(S14)/C4950-040(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
K556M8625AP	86,25	0,25	32,00	-12	0	9,1:1-9,25:1	22	8625XX	330	1,2,M	W6172(S13)/C4576-040(S14)/C4950-040(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
K556M865AP	86,50	0,50	32,00	-12	0	9,1:1-9,25:1	22	8650XX	337	1,2	W6172(S13)/C4576-040(S14)/C4950-040(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
K556M87AP	87,00	1,00	32,00	-12	0	9,1:1-9,25:1	22	8700XX	345	1,2	W6172(S13)/C4576-040(S14)/C4950-040(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-

C/R with 1,30 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
361302	86,00	Std.	31,83	-13	0,17-	8.5:1	22	JG1004-3386	-	F,PS,UL	C4575-051(S13)/C4576-051(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
361298	86,25	0,25	31,83	-11,5	0,17-	8,5:1	22	JG1004-3396	312	PS,S,T	C4575-051(S13)/C4576-051(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
361303	86,50	0,50	31,83	-13,6	0,17-	8.5:1	22	JG1004-3405	-	F,PS,UL	C4575-051(S13)/C4576-051(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
361304	87,00	1,00	31,83	-14,3	0,17-	8.5:1	22	JG1004-3425	-	F,PS,UL	C4575-051(S13)/C4576-051(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
298727	86,00	Std.	31,83	-13	0,17-	8,5:1	22	JG1004-3386	309	PS,S,T	C4575-051(S13)/C4576-051(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
298728	86,50	0,50	31,83	-13,6	0,17-	8,5:1	22	JG1004-3405	313	PS,S,T	C4575-051(S13)/C4576-051(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
298729	87,00	1,00	31,83	-14,3	0,17-	8,5:1	22	JG1004-3425	316	PS,S,T	C4575-051(S13)/C4576-051(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
317917	88,00	2,00	31,83	-14,1	0,17-	8,5:1	22	JG1004-3465	320	M,PS,S,T	C4130-051(S13)/C4283-051(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
317918	89,00	3,00	31,83	-15,5	0,17-	8,5:1	22	JG1004-3504	326	M,PS,S,T	H2039SP7040S(S13)	033CS17136 / NI5364-866 / R-NIS-002-I	-
317919	90,00	4,00	31,83	-16,9	0,17-	8,5:1	22	JG1004-3543	330	M,PS,S,T	-	033CS17136 / NI5364-866 / R-NIS-002-I	-
361305	86,00	Std.	31,83	-2	0,17-	10,0:1	22	JG1004-3386	-	F,PS,UL	C4575-051(S13)/C4576-051(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
361299	86,25	0,25	31,83		0,17-	10,0:1	22	JG1004-3396	314	M,PS,S,T	C4575-051(S13)/C4576-051(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
361306	86,50	0,50	31,83	-2,4	0,17-	10,0:1	22	JG1004-3405	-	F,PS,UL	C4575-051(S13)/C4576-051(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
361307	87,00	1,00	31,83	-3	0,17-	10,0:1	22	JG1004-3425	-	F,PS,UL	C4575-051(S13)/C4576-051(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
309212	86,00	Std.	31,83	-2	0,17-	10,0:1	22	JG1004-3386	313	PS,S,T	C4575-051(S13)/C4576-051(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
309213	86,50	0,50	31,83	-2,4	0,17-	10,0:1	22	JG1004-3405	315	PS,S,T	C4575-051(S13)/C4576-051(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
309214	87,00	1,00	31,83	-3	0,17-	10,0:1	22	JG1004-3425	317	PS,S,T	C4575-051(S13)/C4576-051(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
317920	88,00	2,00	31,83	-3,6	0,17-	10,0:1	22	JG1004-3465	324	M,PS,S,T	C4130-051(S13)/C4283-051(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
317921	89,00	3,00	31,83	-4,7	0,17-	10,0:1	22	JG1004-3504	330	M,PS,S,T	H2039SP7040S(S13)	033CS17136 / NI5364-866 / R-NIS-002-I	-
317922	90,00	4,00	31,83	-5,9	0,17-	10,0:1	22	JG1004-3543	336	M,PS,S,T	-	033CS17136 / NI5364-866 / R-NIS-002-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B2960H(HX/0,025/0,25/0,50)	5M2964H(HX/0,025/0,25/0,50)	1T2964	102-4701	202-6005	202-5402
	4B2976H(HX/0,025/0,25/0,50) (GTI-R)	5M2975H(HX/0,025/0,25/0,50) (GTI-R)	1T2964			
KING	CR4136XP	MB5243XP	-			
	CR4136XPC	MB5243XPC	-			
	CR4587XP (GTI-R)	MB5721XP (GTI-R)	TW 139AM			

SR20 as in Primera

OEM Engine details 2,0 Ltr 16V | Engine code:SR20DE | Bore:86,00 | • Displacement:1998 cc | • Stroke:86,00 | • Valves:16 | • Block Ht:211,25 | • Comp. Ratio:11,0:1 | • Head cc's:45,00 | • Gasket thickness:0,91 | • Rod Length:136,25

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
No valve pockets													
K557M86	86,00	Std.	32,00	0 FT	0	11,0:1	22	8600XX	330	1,2,M	W6172(S13)/C4576-040(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
K557M865	86,50	0,50	32,00	0 FT	0	11,0:1	22	8650XX	336	1,2,M	W6172(S13)/C4576-040(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
K557M87	87,00	1,00	32,00	0 FT	0	11,0:1	22	8700XX	344	1,2	W6172(S13)/C4576-040(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-
With valve pockets													
KE233M87	87,00	1,00	32,00	4	0	12,0:1	22	8700XX	330	1,2,E,F	W6172(S13)/C4576-040(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B2960H(HX/0,025/0,25/0,50)	5M2964H(HX/0,025/0,25/0,50)	1T2964	102-4701	202-6005	202-5402
KING	CR4136XP	MB5243XP	-			
	CR4136XPC	MB5243XPC	-			

Sentra SR20 & SR20DET 92,00 mm stroker crank

OEM Engine details 2,0 Ltr 16V | Engine code:SR20/SR20DET | Bore:86,00 | • Displacement:1998 cc | • Stroke:92,00 | • Valves:16 | • Block Ht:211,25 | • Comp. Ratio:8,5:1 | • Head cc's:45,00 | • Gasket thickness:0,91 | • Rod Length:136,25

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K655M86	86,00	Std.	28,95	-17	0	9,0:1	22	8600XX	316	1,2,M	W6172(S13)/C4576-040(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	033ECS920*
K655M865	86,50	0,50	28,95	-17	0	9,0:1	22	8650XX	321	1,2,M	W6172(S13)/C4576-040(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	033ECS920*
K655M87	87,00	1,00	28,95	-17	0	9,0:1	22	8700XX	327	1,2,M	W6172(S13)/C4576-040(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	033ECS920*
K655M89	89,00	3,00	28,95	-17	0	9,0:1	22	8900XX	350	1,2,M	H2039SP7040S(S13)	033CS17136 / NI5364-866 / R-NIS-002-I	033ECS920*

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
301187C	88,50	2,50	28,83	-9	0,12-	10:1	22	JG1001-3484	314	M,V	C4130-040(S13)/C4283-040(S14)	033CS17136 / NI5364-866 / R-NIS-002-I	033ECS920*

* Used in RNN14(GTiR) crank case machining is required!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B2960H(HX/0,025/0,25/0,50)	5M2964H(HX/0,025/0,25/0,50)	1T2964	102-4701	202-6005	202-5402
KING	CR4136XP	MB5243XP	-			
	CR4136XPC	MB5243XPC	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

Nissan PISTONS

COMPLEMENTARY PARTS

SR20VE/VET

OEM Engine details 2,0 Ltr 20V | Engine code:SR20VE/VET | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:10,3:1-9,0:1 | • Head cc's:41,80 | • Gasket thickness:0,91 | • Rod Length:136,25

Bore:86,00 | • Stroke:86,00 | • Block Ht:211,25

C/R with 1,30 mm head gasket - Ultra Series C/R with 1,22 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
318012	86,00	Std.	32,00	-12,9	0	9,0:1	22	JG1004-3386	309	PS,S,T	C4600-051	033CS17136 / NI5364-866 / R-NIS-002-I	-
367892	86,00	Std.	32,00	-12,9	0	9,0:1	22	JG1004-3386	320	F,UL,T	C4600-051	-	
361300	86,25	0,25	32,00	-13,3	0	9,0:1	22	JG1004-3396	313	M,PS,S,T	C4600-051	033CS17136 / NI5364-866 / R-NIS-002-I	-
367893	86,25	0,25	32,00	-13,3	0	9,0:1	22	JG1004-3396	322	F,UL,T	C4600-051	-	
318013	86,50	0,50	32,00	-13,6	0	9,0:1	22	JG1004-3405	314	PS,S,T	C4600-051	033CS17136 / NI5364-866 / R-NIS-002-I	-
367894	86,50	0,50	32,00	-13,6	0	9,0:1	22	JG1004-3405	324	F,UL,T	C4600-051	-	
318014	87,00	1,00	32,00	-14,2	0	9,0:1	22	JG1004-3425	319	M,PS,S,T	C4600-051	033CS17136 / NI5364-866 / R-NIS-002-I	-
367895	87,00	1,00	32,00	-14,2	0	9,0:1	22	JG1004-3425	326	F,UL,T	C4600-051	-	
318015	88,00	2,00	32,00	-15,5	0	9,0:1	22	JG1004-3465	325	M,PS,S,T	C4601-051	033CS17136 / NI5364-866 / R-NIS-002-I	-
318016	89,00	3,00	32,00	-16,9	0	9,0:1	22	JG1004-3504	330	M,PS,S,T	H1794SP1051S	033CS17136 / NI5364-866 / R-NIS-002-I	-
318017	90,00	4,00	32,00	-18,2	0	9,0:1	22	JG1004-3543	335	M,PS,S,T	H1794SP1051S	033CS17136 / NI5364-866 / R-NIS-002-I	-
318018	86,00	Std.	32,00	6	0	12,5:1	22	JG1004-3386	318	PS,S,V	C4600-051	033CS17136 / NI5364-866 / R-NIS-002-I	-
361301	86,25	0,25	32,00	5,8	0	12,5:1	22	JG1004-3396	319	M,PS,S,T	C4600-051	033CS17136 / NI5364-866 / R-NIS-002-I	-
318019	86,50	0,50	32,00	5,6	0	12,5:1	22	JG1004-3405	320	PS,S,V	C4600-051	033CS17136 / NI5364-866 / R-NIS-002-I	-
318020	87,00	1,00	32,00	5,2	0	12,5:1	22	JG1004-3425	321	M,PS,S,V	C4600-051	033CS17136 / NI5364-866 / R-NIS-002-I	-
318021	88,00	2,00	32,00	4,4	0	12,5:1	22	JG1004-3465	331	PS,S,V	C4601-051	033CS17136 / NI5364-866 / R-NIS-002-I	-
318022	89,00	3,00	32,00	3,5	0	12,5:1	22	JG1004-3504	330	M,PS,S,V	H1794SP1051S	033CS17136 / NI5364-866 / R-NIS-002-I	-
318023	90,00	4,00	32,00	2,6	0	12,5:1	22	JG1004-3543	340	M,PS,S,V	H1794SP1051S	033CS17136 / NI5364-866 / R-NIS-002-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	202-6005	202-5402
KING	-	-	-			

240SX

OEM Engine details 2,4 Ltr 16V | Engine code:KA24DE | • Displacement:2354 cc | • Valves:16 | • Comp. Ratio:9,3:1-9,8:1 | • Head cc's:46,00 | • Gasket thickness:1,10 | • Rod Length:165,00

Bore:89,00 | • Stroke:96,00 | • Block Ht:247,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K586M89AP	89,00	Std.	33,94	-22	0,06-	9,0:1	21	8900XX	352	1	W6310	033CP16165	-
K586M895AP	89,50	0,50	33,94	-22	0,06-	9,0:1	21	8950XX	358	1	W6310	033CP16165	-
K586M90AP	90,00	1,00	33,94	-22	0,06-	9,0:1	21	9000XX	363	1	W6310	033CP16165	-
K586M905AP	90,50	1,50	33,94	-22	0,06-	9,0:1	21	9050XX	370	1,M	C4286-040	033CP16165	-
K587M89	89,00	Std.	33,94	-9	0,06-	10,5:1	21	8900XX	359	1,M	W6310	033CP16165	-
K587M895	89,50	0,50	33,94	-9	0,06-	10,5:1	21	8950XX	364	1,M	W6310	033CP16165	-
K587M90	90,00	1,00	33,94	-9	0,06-	10,5:1	21	9000XX	369	1,M	W6310	033CP16165	-
K587M905	90,50	1,50	33,94	-9	0,06-	10,5:1	21	9050XX	374	1,M	C4286-040	033CP16165	-

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
317924	89,00	Std.	33,95	-21,8	0,05-	9,0:1	21	JG1004-3504	329	PS,S,T	W6310	033CP16165	-
317925	89,50	0,50	33,95	-22,6	0,05-	9,0:1	21	JG1004-3524	335	PS,S,T	W6310	033CP16165	-
317926	90,00	1,00	33,95	-23,3	0,05-	9,0:1	21	JG1004-3543	341	M,PS,S,T	W6310	033CP16165	-
317927	89,00	Std.	33,95	-13,5	0,05-	10,0:1	21	JG1004-3504	333	PS,S,T	W6310	033CP16165	-
317928	89,50	0,50	33,95	-14,2	0,05-	10,0:1	21	JG1004-3524	339	PS,S,T	W6310	033CP16165	-
317929	90,00	1,00	33,95	-14,9	0,05-	10,0:1	21	JG1004-3543	345	M,PS,S,T	W6310	033CP16165	-
317930	89,00	Std.	33,95	-4	0,05-	11,5:1	21	JG1004-3504	344	PS,S,T	W6310	033CP16165	-
317931	89,50	0,50	33,95	-4,6	0,05-	11,5:1	21	JG1004-3524	350	PS,S,T	W6310	033CP16165	-
317932	90,00	1,00	33,95	-5,1	0,05-	11,5:1	21	JG1004-3543	356	M,PS,S,T	W6310	033CP16165	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B2746H(HX/0,025/0,25)	5M2747H(HX/0,025/0,25)	-	202-4304	102-6003	-
KING	CR4065XP	MB5595XP	-			

RB25DET as in Skyline

OEM Engine details 2,5 Ltr 24V | Engine code:RB25DET | • Displacement:2498 cc | • Valves:24 | • Comp. Ratio:9,0:1 | • Head cc's:66,50 | • Gasket thickness:1,00 | • Rod Length:121,50

Bore:86,00 | • Stroke:71,70 | • Block Ht:188,50

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K578M8625AP	86,25	0,25	31,50	14	0,35	8,4:1	21	8625XX	396	1,2,M	W6800*	033CR16122 / NI4783-827	-
K578M865AP	86,50	0,50	31,50	14	0,35	8,4:1	21	8650XX	401	1,2	W6800*	033CR16122 / NI4783-827	-
K578M87AP	87,00	1,00	31,50	14	0,35	8,4:1	21	8700XX	406	1,2	W6800*	033CR16122 / NI4783-827	-

*W6800 =1,30m m(8,2:1)

C/R with 1,22 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
361310	86,00	Std	31,00	15,5	0,15-	8.5:1	21	JG1006-3386		F,M,PS,T	W6800	033CR16122 / NI4783-827	-
361311	86,25	0,25	31,00	15,3	0,15-	8.5:1	21	JG1006-3396		F,M,PS,T	W6800	033CR16122 / NI4783-827	-
361312	86,50	0,50	31,00	15	0,15-	8.5:1	21	JG1006-3405		F,M,PS,T	W6800	033CR16122 / NI4783-827	-
361313	87,00	1,00	31,00	14,5	0,15-	8.5:1	21	JG1006-3425		F,M,PS,T	W6800	033CR16122 / NI4783-827	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B2960H(HX/0,025/0,25/0,50)	7M2394H(HX/0,025/0,25/0,50)	-	202-4309	202-6007	202-5403
KING	CR6697XP	MB7008XP	-			
	CR6697XPC	MB7008XPC	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Nissan PISTONS

QR25DE as in Sentra

OEM Engine details 2,5 Ltr 16V DOHC Engine code:QR25DE • Displacement:2488 cc • Valves:16 • Comp. Ratio:9,5:1 • Head cc's:55,00 • Gasket thickness:0,55 • Rod Length:143,00
Bore:89,00 • Stroke:100,00 • Block Ht:225,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K670M89AP	89,00	Std.	32,00	-19,5	0,50-	8,5:1	20	8900XX	346	1,M	C4614-040/C4615-040/C4616-040 *	033CQ14143	-
K670M895AP	89,50	0,50	32,00	-19,5	0,50-	8,5:1	20	8950XX	350	1,M	C4614-040/C4615-040/C4616-040 *	033CQ14143	-
K670M90AP	90,00	1,00	32,00	-19,5	0,50-	8,5:1	20	9000XX	354	1,M	C4614-040/C4615-040/C4616-040 *	033CQ14143	-
K671M89AP	89,00	Std.	32,00	-1,8	0,50-	10,5:1	20	8900XX	-	1,M	C4614-040/C4615-040/C4616-040 *	033CQ14143	-
K671M895AP	89,50	0,50	32,00	-1,8	0,50-	10,5:1	20	8950XX	-	1,M	C4614-040/C4615-040/C4616-040 *	033CQ14143	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
291879	89,00	Std.	32,00	-15,4	0,50-	9,0:1	20	JG1004-3504	348	M,PS,R,T	C4614-027/C4615-027/C4616-027 *	033CQ14143	-
291880	89,50	0,50	32,00	-16,1	0,50-	9,0:1	20	JG1004-3524	351	M,PS,R,T	C4614-027/C4615-027/C4616-027 *	033CQ14143	-
291881	89,00	Std.	32,00	-0,6	0,50-	10,8:1	20	JG1004-3504	338	M,PS,R,T	C4614-027/C4615-027/C4616-027 *	033CQ14143	-
291882	89,50	0,50	32,00	-0,6	0,50-	10,9:1	20	JG1004-3524	344	M,PS,R,T	C4614-027/C4615-027/C4616-027 *	033CQ14143	-

* Depending on model - see Cometic Gasket section!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

RB26DETT as in Skyline R32-R34

OEM Engine details 2,6 Ltr 24V Engine code:RB26DETT • Displacement:2568 cc • Valves:24 • Comp. Ratio:8,5:1 • Head cc's:66,50 • Gasket thickness:1,10 • Rod Length:121,50
Bore:86,00 • Stroke:73,70 • Block Ht:188,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K591M86AP	86,00	Std.	30,00	14	0,15-	8,25:1	21	8600XX	334	1,M	C4319-045	033CR16122 / NI4783-827	-
K591M8625AP	86,25	0,25	30,00	14	0,15-	8,25:1	21	8625XX	339	1,M	C4320-045	033CR16122 / NI4783-827	-
K591M865AP	86,50	0,50	30,00	14	0,15-	8,25:1	21	8650XX	348	1	C4320-045	033CR16122 / NI4783-827	-
K591M87AP	87,00	1,00	30,00	14	0,15-	8,25:1	21	8700XX	353	1	C4320-045	033CR16122 / NI4783-827	-
K591M8725AP	87,25	1,25	30,00	14	0,15-	8,25:1	21	8725XX	356	1,M	C4321-045	033CR16122 / NI4783-827	-
K591M875AP	87,50	1,50	30,00	14	0,15-	8,25:1	21	8750XX	360	1	C4321-045	033CR16122 / NI4783-827	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
345617	86,00	Std.	30,10	15,3	0,05-	8,2:1	21	JG1006-3386	351	PS,R,T	C4320-051	033CR16122 / NI4783-827	-
209849	86,50	0,50	30,10	15,3	0,05-	8,2:1	21	JC2106-3406	355	PS,R,T	C4320-051	033CR16122 / NI4783-827	-
209855	87,00	1,00	30,10	15,3	0,05-	8,2:1	21	JC2106-3425	360	PS,R,T	C4320-051	033CR16122 / NI4783-827	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B2960H(HX/0,025/0,25/0,50)	7M2428H(HX/0,025/0,25/0,50)	-	202-4207	202-6007	202-5403
KING	CR6697XP	MB7092XP	-			
	CR6697XPC	MB7092XPC	-			

RB30 as in Skyline GTR

OEM Engine details 3,0 Ltr 24V Engine code:RB30DE/DET • Displacement:2962 cc • Valves:24 • Comp. Ratio:9,0:1-7,8:1 • Head cc's:66,50 • Gasket thickness:1,00 • Rod Length:152,50
Bore:86,00 • Stroke:85,00 • Block Ht:228,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
With DOHC RB25DET cylinder head													
K577M865	86,50	0,50	32,00	-11,3	1,00-	6,6:1	21	8650XX	378	1,M	C4322-051	NI-RB30-S-66004S-06	-
K577M87	87,00	1,00	32,00	-11,3	1,00-	6,6:1	21	8700XX	384	1,M	C4323-051	NI-RB30-S-66004S-06	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B2390H(HX/0,025/0,25/0,50)	7M2394H(HX/0,025/0,25/0,50)	-	-	-	-
KING	CR6676XP	MB7008XP	-			
		MB7008XPC	-			

VG30DETT as in 300ZX

OEM Engine details 3,0 Ltr 24V(V6) Engine code:VG30DETT • Displacement:2960 cc • Valves:24 • Comp. Ratio:8,5:1 • Head cc's:49,50 • Gasket thickness:1,20 • Rod Length:154,20
Bore:87,00 • Stroke:83,00 • Block Ht:227,86

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K549M87AP	87,00	Std.	32,00	-9	0,16-	8,5:1-8,9:1	22	8700XX	325	1,R	W6312(2x)	NI-VG3-S-66070S-06	-
K549M8725AP	87,25	0,25	32,00	-9	0,16-	8,5:1-8,9:1	22	8725XX	330	1,M,R	W6312(2x)	NI-VG3-S-66070S-06	-
K549M875AP	87,50	0,50	32,00	-9	0,16-	8,5:1-8,9:1	22	8750XX	335	1,R	W6312(2x)	NI-VG3-S-66070S-06	-
K549M88AP	88,00	1,00	32,00	-9	0,16-	8,5:1-8,9:1	22	8800XX	344	1,R	W6312(2x)	NI-VG3-S-66070S-06	-

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
322287	87,00	Std.	31,88	-4,9	0,24-	9,0:1	22	JG1006-3425	314	F,M,PS,T	W6312(2x)	NI-VG3-S-66070S-06	-
322289	87,50	0,50	31,88	-5,5	0,24-	9,0:1	22	JG1006-3445	318	F,PS,T	W6312(2x)	NI-VG3-S-66070S-06	-
322288	87,00	Std.	31,88	7,1	0,24-	11,0:1	22	JG1006-3425	326	F,M,PS,V	W6312(2x)	NI-VG3-S-66070H-06	-
322290	87,50	0,50	31,88	7	0,24-	11,0:1	22	JG1006-3445	328	F,M,PS,V	W6312(2x)	NI-VG3-S-66070H-06	

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B2390H(HX/0,025/0,25/0,50)	4M2737H(HX/0,025/0,25/0,50)	-	202-4308	202-6004	102-5402
KING	CR6676XP	MB4104XP	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

COMPLEMENTARY PARTS

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Nissan PISTONS

COMPLEMENTARY PARTS

VR30DDTT as in Infiniti Q60

OEM Engine details 3,0 Ltr 24V(V6) | Engine code:VR30DDTT | Bore:86,00 | • Displacement:2997 cc | • Stroke:86,00 | • Valves:24 | • Block Ht:N/A | • Comp. Ratio:10,3:1 | • Head cc's:N/A | • Gasket thickness:N/A | • Rod Length:151,75

C/R with 0,76 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
346348	86,00	Std.	29,40	-3	-	10,2:1	23	JG1006-3386	411	F,M.T	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

VQ35 as in 350Z/Murano

OEM Engine details 3,5 Ltr 24V(V6) | Engine code:VQ35DE | Bore:95,50 | • Displacement:3498 cc | • Stroke:81,40 | • Valves:24 | • Block Ht:215,00 | • Comp. Ratio:10,3:1 | • Head cc's:57,00 | • Gasket thickness:0,60 | • Rod Length:144,20

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K605M955AP	95,50	Std.	29,67	-10	0,43-	8,8:1	22	9550XX	354	1	W6422/W6423 (left/right)	033CV17144 / R-NIS-005-I / NI5677866	-
K605M96AP	96,00	0,50	29,67	-10	0,43-	8,8:1	22	9600XX	360	1	W6422/W6423 (left/right)	033CV17144 / R-NIS-005-I / NI5677866	-
K606M955	95,50	Std.	29,67	7	0,43-	11,0:1	22	9550XX	375	1	W6422/W6423 (left/right)	033CV17144 / R-NIS-005-I	-
K606M96	96,00	0,50	29,67	7	0,43-	11,0:1	22	9600XX	379	1	W6422/W6423 (left/right)	033CV17144 / R-NIS-005-I	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
321249	95,50	Std.	29,60	-12,6	0,50-	8,5:1	22	JG1006-3760	372	F,PS,T	W6422/W6423 (left/right)	033CV17144 / R-NIS-005-I / NI5677866	-
321250	96,00	0,50	29,60	-13,4	0,50-	8,5:1	22	JG1006-3780	376	F,PS,T	W6422/W6423 (left/right)	033CV17144 / R-NIS-005-I / NI5677866	-
321251	95,50	Std.	29,60	0,3	0,50-	10,0:1	22	JG1006-3760	394	F,M,PS,T	W6422/W6423 (left/right)	033CV17144 / R-NIS-005-I	-
321252	96,00	0,50	29,60	-0,2	0,50-	10,0:1	22	JG1006-3780	396	F,M,PS,T	W6422/W6423 (left/right)	033CV17144 / R-NIS-005-I	-
321253	95,50	Std.	29,60	9,6	0,50-	11,5:1	22	JG1006-3760	402	F,M,PS,V	W6422/W6423 (left/right)	033CV17144 / R-NIS-005-I	-
321254	96,00	0,50	29,60	9	0,50-	11,5:1	22	JG1006-3780	404	F,M,PS,V	W6422/W6423 (left/right)	033CV17144 / R-NIS-005-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B2640H(HX/0,025/0,25)	4M2633H(HX/0,025/0,25)	2T2633	202-4701	202-6006	202-5801
KING	CR6775XP	MB4058XP	TW 271AM			

VQ35HR as in 350Z/Fuga

OEM Engine details 3,5 Ltr 24V(V6) | Engine code:VQ35HR | Bore:95,50 | • Displacement:3498 cc | • Stroke:81,40 | • Valves:24 | • Block Ht:223,35 | • Comp. Ratio:10,6:1 | • Head cc's:56,00 | • Gasket thickness:0,60 | • Rod Length:151,74

C/R with 0,66 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
321257	95,50	Std.	30,40	-13	0,51-	8.5:1	22	JG1006-3760	371	F,T	C4593-030/C4592-030(left/right)	NI-VQ35HR-S-65974S-06	-
321258	96,00	0,50	30,40	-13,7	0,51-	8.5:1	22	JG1006-3780	374	F,T	C4593-030/C4592-030(left/right)	NI-VQ35HR-S-65974S-06	-
321259	95,50	Std.	30,40	0,1	0,51-	10.0:1	22	JG1006-3760	395	F,M,T	C4593-030/C4592-030(left/right)	NI-VQ35HR-S-65974H-06	-
321260	96,00	0,50	30,40	-0,6	0,51-	10.0:1	22	JG1006-3780	398	F,M,T	C4593-030/C4592-030(left/right)	NI-VQ35HR-S-65974H-06	-
321261	95,50	Std.	30,40	9,2	0,51-	11.5:1	22	JG1006-3760	409	F,M,V	C4593-030/C4592-030(left/right)	NI-VQ35HR-S-65974H-06	-
321262	96,00	0,50	30,40	8,7	0,51-	11.5:1	22	JG1006-3780	411	F,M,V	C4593-030/C4592-030(left/right)	NI-VQ35HR-S-65974H-06	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	4M2505H(0,25)	-	-	-	-
KING	CR6897XP	MB4524XP	TW 271AM			
		MB4524XPC	-			

VQ37 VHR as in 370Z/G37

OEM Engine details 3,7 Ltr 24V(V6) | Engine code:VQ37 | Bore:95,50 | • Displacement:3696 cc | • Stroke:86,00 | • Valves:24 | • Block Ht:223,35 | • Comp. Ratio:11,0:1 | • Head cc's:50,50 | • Gasket thickness:0,60 | • Rod Length:149,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K643M955	95,50	Std,	29,95	-15,5	0,90-	9,0:1	22	9550XX	365	1,M	C4593-030/C4592-030(left/right)	033CW17150	-
K643M96	96,00	0,50	29,95	-15,5	0,90-	9,0:1	22	9600XX	372	1	C4593-030/C4592-030(left/right)	033CW17150	-

NEW!! *C/R with 0,66 mm head gasket*

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
321263	95,50	Std.	30,40	-22,6	0,45-	8.5:1	22	JG1006-3760	383	F,T	C4593-030/C4592-030(left/right)	033CW17150	-
321264	96,00	0,50	30,40	-23,3	0,45-	8.5:1	22	JG1006-3780	386	F,T	C4593-030/C4592-030(left/right)	033CW17150	-
321265	95,50	Std.	30,40	-8,8	0,45-	10.0:1	22	JG1006-3760	415	F,M,T	C4593-030/C4592-030(left/right)	033CW17150	-
321266	96,00	0,50	30,40	-9,5	0,45-	10.0:1	22	JG1006-3780	420	F,M,T	C4593-030/C4592-030(left/right)	033CW17150	-
321267	95,50	Std.	30,40	1	0,45-	11.5:1	22	JG1006-3760	431	F,M,V	C4593-030/C4592-030(left/right)	033CW17150	-
321268	96,00	0,50	30,40	0,4	0,45-	11.5:1	22	JG1006-3780	433	F,M,V	C4593-030/C4592-030(left/right)	033CW17150	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	4M2505H(0,25)	-	-	-	-
KING	CR6897XP	MB4524XP	TW1042AM			
		MB4524XPC	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Nissan PISTONS

COMPLEMENTARY PARTS

VR38DETT as in GTR 2008-Up

OEM Engine details 3,8 Ltr 24V(V6) | Engine code:VR38DETT | Bore:95,50 | • Displacement:3799 cc | • Stroke:88,40 | • Valves:24 | • Block Ht:244,00 | • Comp. Ratio:9,0:1 | • Head cc's:64,25 | • Gasket thickness:0,80 | • Rod Length:165,00

1400HD gasported with 5,72 mm wall tool steel pins

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K681M955AP	95,50	Std.	34,30	-1,8	0,50-	9,5:1	23	9550XX	444	1	C4572-032/C4573-032(left/right)	NI6496-905 / R-NIS-006-I / R-NIS-006-IP	-
K681M9558AP	95,58	0,08	34,30	-1,8	0,50-	9,5:1	23	9550XX	446	1	C4572-032/C4573-032(left/right)	NI6496-905 / R-NIS-006-I / R-NIS-006-IP	-
For stroker crank 94,40 mm													
K680M955AP	95,50	Std.	31,30	-6	0,50-	9,5:1	23	9550XX	430	1,M	C4572-032/C4573-032(left/right)	NI6496-905 / R-NIS-006-I / R-NIS-006-IP	-
K680M9558AP	95,58	0,08	31,30	-6	0,50-	9,5:1	23	9550XX	432	1,M	C4572-032/C4573-032(left/right)	NI6496-905 / R-NIS-006-I / R-NIS-006-IP	-

C/R with 0,76 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
321269	95,50	Std.	34,30	-7,2	0,50-	9,0:1	23	JG1006-3760	411	F,PS,M,N,T	C4572-032/C4573-032(left/right)	NI6496-905 / R-NIS-006-I / R-NIS-006-IP	-
321270	95,50	Std.	34,30	1,6	0,50-	10,0:1	23	JG1006-3760	430	F,PS,M,N,T	C4572-032/C4573-032(left/right)	NI6496-905 / R-NIS-006-I / R-NIS-006-IP	-
For stroker crank 94,40 mm													
321271	95,50	Std.	31,30	-12,6	0,50-	9,0:1	23	JG1006-3760	390	F,I,M,N,PS,T	C4572-032/C4573-032(left/right)	NI6496-905 / R-NIS-006-I / R-NIS-006-IP	-
321272	95,50	Std.	31,30	-3,2	0,50-	10,0:1	23	JG1006-3760	412	F,I,M,N,PS,T	C4572-032/C4573-032(left/right)	NI6496-905 / R-NIS-006-I / R-NIS-006-IP	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B2500H(+Graded/0,25)	4M2505H(+Graded/0,25)	1T2505	202-4305	202-6101	202-5802
KING	CR6870XPN	MB4524XP	TW1042AM			
	CR6870XPNC	MB4524XPC	-			

Opel/Vauxhall

A14NEL as in Corsa D/Astra J/Mokka

OEM Engine details 1,4 Ltr 16V | Engine code:A14NEL/LUH/NET/B14NEL | Bore:72,50 | • Displacement:1364 cc | • Stroke:82,60 | • Valves:16 | • Block Ht:N/A | • Comp. Ratio:9,5:1 | • Head cc's:N/A | • Gasket thickness:0,52 | • Rod Length:130,30

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
323614C	72,50	Std.	25,91	-7,2	-	9,5:1	18	JC4704-2855	-	M,R	-	-	-
WCA17302	73,00	0,50	25,91	-7,2	-	9,5:1	18	XC7300	-	M,R	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

C16NZ as in Corsa/Astra

OEM Engine details 1,6 Ltr 8V | Engine code:C16NZ/N2/SE | Bore:79,00 | • Displacement:1598 cc | • Stroke:81,50 | • Valves:8 | • Block Ht:N/A | • Comp. Ratio:9,2:1 | • Head cc's:N/A | • Gasket thickness:1,30 | • Rod Length:129,75

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE160M79	79,05	0,05	28,20	0 FT	-	11,2:1	18	7900XX	265	1,M,R	H1568SP5051S	OPH5110BGWB4-A / R-OPE-002-I	-
KE160M795	79,50	0,50	28,20	0 FT	-	11,2:1	18	7950XX	272	1,M,R	H1568SP5051S	OPH5110BGWB4-A / R-OPE-002-I	-
KE160M80	80,00	1,00	28,20	0 FT	-	11,2:1	18	8000XX	280	1,M,R	H1568SP5051S	OPH5110BGWB4-A / R-OPE-002-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1530H(HX/0,025/0,25)	-	-	-	109-6002	-
KING	-	-	-			

X16XE as in Corsa and various 1.6L engines

OEM Engine details 1,6 Ltr 16V | Engine code:X16XE/X16XEL | Bore:79,00 | • Displacement:1598 cc | • Stroke:81,50 | • Valves:16 | • Block Ht:N/A | • Comp. Ratio:10,5:1 | • Head cc's:34,50 | • Gasket thickness:1,27 | • Rod Length:129,75

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE159M79	79,00	Std.	28,20	-15	-	8,8:1	18	7900XX	273	1,M,R	H1568SP2051S	OPH5110BGWB4-A / R-OPE-002-I	-
KE159M795	79,50	0,50	28,20	-15	-	8,8:1	18	7950XX	277	1,M,R	H1568SP1051S	OPH5110BGWB4-A / R-OPE-002-I	-
KE159M80	80,00	1,00	28,20	-15	-	8,8:1	18	8000XX	291	1,M,R	C4257-051	OPH5110BGWB4-A / R-OPE-002-I	-
KE161M79	79,00	Std.	28,20	2,5	-	11,5:1	18	7900XX	291	1,M,R	H1568SP2051S	OPH5110BGWB4-A / R-OPE-002-I	-
KE161M795	79,50	0,50	28,20	2,5	-	11,5:1	18	7950XX	295	1,M,R	H1568SP1051S	OPH5110BGWB4-A / R-OPE-002-I	-
KE161M80	80,00	1,00	28,20	2,5	-	11,5:1	18	8000XX	309	1,M,R	C4257-051	OPH5110BGWB4-A / R-OPE-002-I	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
312426	79,00	Std.	28,20	3,2	-	11,5:1	18	XG7900	253	M,R	H1568SP2051S	OPH5110BGWB4-A / R-OPE-002-I	-
312427	79,50	0,50	28,20	2,9	-	11,5:1	18	XG7950	258	M,R	H1568SP1051S	OPH5110BGWB4-A / R-OPE-002-I	-
312428	80,00	1,00	28,20	2,5	-	11,5:1	18	XC8000	260	M,R	C4257-051	OPH5110BGWB4-A / R-OPE-002-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	109-6002	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Opel/Vauxhall PISTONS

COMPLEMENTARY PARTS

Z16LER as in Corsa D/Insignia

OEM Engine details 1,6 Ltr 16V | Engine code:Z16LER/A16LER/A16LET | • Displacement:1598 cc | • Valves:16 | • Comp. Ratio:8,8:1 | • Head cc's:39,50 | • Gasket thickness:0,65 | • Rod Length:129,75

Bore:79,00 | • Stroke:81,50 | • Block Ht:200,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE365M79	79,00	Std.	28,00	-3,5	-	8,8:1	19	7900XX	267	F	OP1002-039/338286R	R-OPE-005-I	C-OPE-004
KE365M795	79,50	0,50	28,00	-3,5	-	8,8:1	19	7950XX	272	F	OP1002-039/338286R	R-OPE-005-I	C-OPE-004
KE365M80	80,00	1,00	28,00	-4,5	-	8,8:1	19	8000XX	278	F,M	OP1002-039/338286R	R-OPE-005-I	C-OPE-004

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
300490C	79,00	Std.	28,50	-5	-	8,5:1	19	JG1001-3110	275	M,R	OP1002-039/338286R	R-OPE-005-I	C-OPE-004
354559C	79,50	-1,00	28,50	-5	-	8,5:1	19	XG7950	279	M,R	OP1002-039/338286R	R-OPE-005-I	C-OPE-004

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

1.9L/2.8L CIH as in Manta/Ascona/Senator

OEM Engine details 1,9/2,8 Ltr 8V | Engine code:C19N/C28E/C28S | • Displacement:1897/2784 cc | • Valves:8 | • Comp. Ratio:9,8:1/9,0:1 | • Head cc's:N/A | • Gasket thickness:0,80 | • Rod Length:N/A

Bore:92,00 | • Stroke:69,80 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
305926C *	92,50	0,50	45,00	-4,9 FT	-	9,8:1/9,0:1	23	JG1001-3642	418	M	C4512-051(for 1,9Ltr)	-	-
352671C *	93,50	1,50	45,00	-4,9 FT	-	9,8:1/9,0:1	23	JG1001-3681	420	M	C4512-051(for 1,9Ltr)	-	-
367036C*	94,00	2,00	45,00	-4,9 FT	-	9,8:1/9,0:1	23	JG1001-3701	424	M	C4512-051(for 1,9Ltr)		

* 4 or 6 needed/Left+Right

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

C20XE as in Astra/Vectra

OEM Engine details 2,0 Ltr 16V | Engine code:C20XE | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:10,5:1 | • Head cc's:42,60 | • Gasket thickness:1,40 | • Rod Length:143,10

Bore:86,00 | • Stroke:86,00 | • Block Ht:216,30

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE163M86AP	86,00	Std.	30,19	5,2	-0,04	12,5:1	21	8600XX	335	1,F	W6424/C4216-051/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
KE163M8625AP	86,25	0,25	30,19	5,2	-0,04	12,5:1	21	8625XX	338	1,F,M	W6424/C4216-051/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
KE163M865AP	86,50	0,50	30,19	5,2	-0,04	12,5:1	21	8650XX	340	1,F	W6424/C4216-051/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
KE163M8675AP	86,75	0,75	30,19	5,2	-0,04	12,5:1	21	8675XX	342	1,F,M	W6424/C4216-051/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
KE163M87AP	87,00	1,00	30,19	5,2	-0,04	12,5:1	21	8700XX	345	1,F	W6424/C4216-051/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
KE163M875AP	87,50	1,50	30,19	5,2	-0,04	12,5:1	21	8750XX	348	1,F	W6424/C4216-051/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
KE263M86	86,00	Std.	30,19	12	-0,04	13,5:1	21	8600XX	338	1,M	W6424/C4216-051/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
KE263M8625	86,25	0,25	30,19	12	-0,04	13,5:1	21	8625XX	348	1,M	W6424/C4216-051/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
KE263M865	86,50	0,50	30,19	12	-0,04	13,5:1	21	8650XX	345	1,M	W6424/C4216-051/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
KE263M87	87,00	1,00	30,19	12	-0,04	13,5:1	21	8700XX	356	1,M	W6424/C4216-051/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L

Note:Valve oversize max 1,5mm !!

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
298740	86,00	Std.	30,50	-2,2	0,27	10,5:1	21	JG1004-3386	306	M,PS,S,V	W6424/C4216-051/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
361356	86,25	0,25	30,50	-2,5	0,27	10,5:1	21	JG1004-3396	307	M,PS,S,V	W6424/C4216-051/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
298741	86,50	0,50	30,50	-2,7	0,27	10,5:1	21	JG1004-3405	310	M,PS,S,V	W6424/C4216-051/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
298739	87,00	1,00	30,50	-3,3	0,27	10,5:1	21	JG1004-3425	314	M,PS,S,V	W6424/C4216-051/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B2322H(HX/0,025/0,25/0,50)	5M2327H(HX/0,025/0,25/0,50)	-	209-4701	209-6003	209-5401
KING	CR4017XP	MB5179XP	-			
	CR4017XPC	MB5179XPC	-			





When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Opel/Vauxhall PISTONS

COMPLEMENTARY PARTS

C20LET as in Astra/Vectra/Calibra Turbo

OEM Engine details 2,0 Ltr 16V | Engine code:C20LET | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:9,0:1 | • Head cc's:43,00 | • Gasket thickness:1,40 | • Rod Length:143,10

Bore:86,00 | • Stroke:86,00 | • Block Ht:216,30

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE165M86AP	86,00	Std.	30,49	-13	0,26	8,8:1	21	8600XX	323	1,R	W6424/C4216-051/C4960-050/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
KE165M8625AP	86,25	0,25	30,49	-13	0,26	8,8:1	21	8625XX	326	1,M,R	W6424/C4216-051/C4960-050/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
KE165M865AP	86,50	0,50	30,49	-13	0,26	8,8:1	21	8650XX	329	1,R	W6424/C4216-051/C4960-050/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
KE165M8675AP	86,75	0,75	30,49	-13	0,26	8,8:1	21	8675XX	332	1,M,R	W6424/C4216-051/C4960-050/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
KE165M87AP	87,00	1,00	30,49	-13	0,26	8,8:1	21	8700XX	334	1,R	W6424/C4216-051/C4960-050/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
298736	86,00	Std.	30,50	-16,2	0,27	8,5:1	21	JG1004-3386	306	M,PS,S,T	W6424/C4216-051/C4960-050/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
361355	86,25	0,25	30,50	-16,6	0,27	8,5:1	21	JG1004-3396	307	PS,S,T	W6424/C4216-051/C4960-050/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
298737	86,50	0,50	30,50	-16,9	0,27	8,5:1	21	JG1004-3405	310	PS,S,T	W6424/C4216-051/C4960-050/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
298738	87,00	1,00	30,50	-17,6	0,27	8,5:1	21	JG1004-3425	314	PS,S,T	W6424/C4216-051/C4960-050/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L
312429	87,50	1,50	30,50	-18,3	0,27	8,5:1	21	JG1004-3445	317	PS,S,T	W6424/C4216-051/C4960-050/338058R	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-005L

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B2322H(HX/0,025/0,25/0,50)	5M2327H(HX/0,025/0,25/0,50)	-	209-4701	209-6003	209-5401
KING	CR4017XP	MB5179XP	-			
	CR4017XPC	MB5179XPC	-			

Z20LET/LER/LEH

OEM Engine details 2,0 Ltr 16V | Engine code:Z20LET/LER/LEH | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:9,0:1 | • Head cc's:40,00 | • Gasket thickness:1,20 | • Rod Length:143,10

Bore:86,00 | • Stroke:86,00 | • Block Ht:216,30

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE367M86	86,00	Std.	30,43	-18	0,23	8,8:1	21	8600XX	-	1	H2795051S	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-007
KE367M8625	86,25	0,25	30,43	-18	0,23	8,8:1	21	8625XX	-	1,M	H2795051S	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-007
KE367M865	86,50	0,50	30,43	-18	0,23	8,8:1	21	8650XX	-	1	H2795051S	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-007
KE367M8675	86,75	0,75	30,43	-18	0,23	8,8:1	21	8675XX	-	1,M	H2795051S	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-007
KE367M87	87,00	1,00	30,43	-18	0,23	8,8:1	21	8700XX	-	1,M	H2795051S	042DO16143 / R-OPE-001-H / R-OPE-001-I	C-OPE-007

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B2322H(HX/0,025/0,25/0,50)	5M2327H(HX/0,025/0,25/0,50)	-	209-4701	209-6003	209-5401
KING	CR4017XP	MB5179XP	-			
	CR4017XPC	MB5179XPC	-			

A20NHT/LDK/Z20NHH/LNF Ecotec DI as in Insignia A / Opel GT

OEM Engine details 2,0 Ltr 16V | Engine code:A20NHT/A20NFT/Z20NHH | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:9,2:1 | • Head cc's:51,00 | • Gasket thickness:0,64 | • Rod Length:145,00

Bore:86,00 | • Stroke:86,00 | • Block Ht:220,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K635M86	86,00	Std.	30,85	0	-1,15	9,2:1	23	8600XX	341	1	C15256-032	GM-LNF-S-65709S-04	-
K635M865	86,50	0,50	30,85	0	-1,15	9,2:1	23	8650XX	350	1	C15256-032	GM-LNF-S-65709S-04	-
K635M88	88,00	2,00	30,85	0	-1,15	9,2:1	23	8800XX	359	1,M,N	C15256-032	GM-LNF-S-65709S-04	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	CR4363XP	-	-			
	CR4363XPC	-	-			

B20NHT / LTG Ecotec DI VVT as in Insignia B

OEM Engine details 2,0 Ltr 16V | Engine code:B20NHT / LTG | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:9,5:1 | • Head cc's:46,00 | • Gasket thickness:0,64 | • Rod Length:152,50

Bore:86,00 | • Stroke:86,00 | • Block Ht:228,50

C/R with 1,02 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
345821	86,00	Std.	32,00	-1,3	1,00-	9,5:1	23	JG1004-3386	333	PS,S,T	C4964-028	CA6004-945	-
361352	86,25	0,25	32,00	-1,4	1,00-	9,5:1	23	JG1004-3396	335	PS,S,T	C4964-028	CA6004-945-	
345822	86,50	0,50	32,00	-1,5	1,00-	9,5:1	23	JG1004-3405	336	PS,S,T	C4964-028	CA6004-945	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

2.0L/3.0L CIH as in Manta/Ascona/Rekord

OEM Engine details 2,0/3,0 Ltr 8V | Engine code:C20E/C20S/C30E/C30NE | • Displacement:1979/2969 cc | • Valves:8 | • Comp. Ratio:9,0:1/9,4:1 | • Head cc's:N/A | • Gasket thickness:0,80 /1,10 | • Rod Length:128,00

Bore:95,00 | • Stroke:69,80 | • Block Ht:208,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
321800C *	95,50	0,50	45,00	-4,9 FT	0,10-	9,2:1	23	JC2801-3760	441	M	C4512-051(for 2,0 L)	-	-

* 4 or 6 needed/Left+Right

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Opel/Vauxhall PISTONS

COMPLEMENTARY PARTS

2.2L Ecotec as in Vectra

OEM Engine details 2,2 Ltr 16V | Engine code:Z22SE/L61 | • Displacement:2198 cc | • Valves:16 | • Comp. Ratio:9,5:1 | • Head cc's:53,20 | • Gasket thickness:1,04 | • Rod Length:146,50
Bore:86,00 | • Stroke:94,60 | • Block Ht:221,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K583M86	86,00	Std.	26,75	-8	0,43-	8,9:1	20	8600XX	300	1	C5768-040/W6307	GM-L61-S-65768S-04	-
K583M865	86,50	0,50	26,75	-8	0,43-	8,9:1	20	8650XX	310	1,M	C5768-040/W6307	GM-L61-S-65768S-04	-
K582M86	86,00	Std.	26,75	0 FT	0,43-	10,0:1	20	8600XX	276	1	C5768-040/W6307	GM-L61-S-65768H-04	-
K582M865	86,50	0,50	26,75	0 FT	0,43-	10,0:1	20	8650XX	283	1,M	C5768-040/W6307	GM-L61-S-65768H-04	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	231-4701	-	-
KING	CR4363XP	-	-			
	CR4363XPC	-	-			

2.2L CIH as in Monza/Rekord/Senator

OEM Engine details 2,2 Ltr 8V | Engine code:CIH/C22E | • Displacement:2197 cc | • Valves:8 | • Comp. Ratio:9,4:1 | • Head cc's:53,00 | • Gasket thickness:0,80 | • Rod Length:141,50
Bore:95,00 | • Stroke:77,50 | • Block Ht:221,40

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
340860C*	95,50	0,50	41,15	-4,9 FT	0	9,4:1	23	JG1001-3760	421	M	C4512-051	-	-
367947C*	96,00	1,00	41,15	-4,9 FT	0	9,4:1	23	RA144-3780	432	M	C4512-051	-	-
346193C*	97,00	2,00	41,15	-4,9 FT	0	9,4:1	23	XH9700	440	M	C4512-051	-	-

* Pistons are designed for a floating pin!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

2.4L Multiple

OEM Engine details 2,4 Ltr 16V | Engine code:LD9 | • Displacement:2392 cc | • Valves:16 | • Comp. Ratio:9,5:1-9,7:1 | • Head cc's:61,50 | • Gasket thickness:1,30 | • Rod Length:145,00
Bore:90,00 | • Stroke:94,00 | • Block Ht:222,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K584M90	90,00	Std.	30,00	-7,5	0	9,0:1	22	9000XX	330	1	C5298-051/C5866-051*	-	-
K584M905	90,50	0,50	30,00	-7,5	0	9,0:1	22	9050XX	335	1	C5298-051/C5866-051*	-	-

* Depending on model - see Cometic Gasket section!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

2.4L CIH as in Rekord/Omega/Frontera

OEM Engine details 2,4 Ltr 8V | Engine code:CIH/C24NE | • Displacement:2410 cc | • Valves:8 | • Comp. Ratio:9,2:1 | • Head cc's:N/A | • Gasket thickness:0,80 | • Rod Length:134,00
Bore:95,00 | • Stroke:85,00 | • Block Ht:208,00

4032 Aluminum

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE167M96	96,00	1,00	31,50	-4,9 FT	0	11,2:1	22	9600XX	356	1,R	W6624/C4512-051/338239R	012EI17134	-
KE167M9625	96,25	1,25	31,50	-4,9 FT	0	11,2:1	22	9625XX	358	1,R	W6624/C4512-051/338239R	012EI17134	-
KE167M965	96,50	1,50	31,50	-4,9 FT	0	11,2:1	22	9650XX	361	1,R	W6624/C4512-051/338239R	012EI17134	-
KE167M97	97,00	2,00	31,50	-4,9 FT	0	11,2:1	22	3819XH	367	1,R	W6624/C4512-051/338239R	012EI17134	-
KE166M96	96,00	1,00	31,50	4	0	12,0:1	22	9600XX	413	1,M,R	W6624/C4512-051/338239R	012EI17134	-
KE166M9625	96,25	1,25	31,50	4	0	12,0:1	22	9625XX	415	1,M,R	W6624/C4512-051/338239R	012EI17134	-
KE166M965	96,50	1,50	31,50	4	0	12,0:1	22	9650XX	418	1,M,R	W6624/C4512-051/338239R	012EI17134	-
KE166M97	97,00	2,00	31,50	4	0	12,0:1	22	3819XH	424	1,M,R	W6624/C4512-051/338239R	012EI17134	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
341031C	95,50	0,50	31,50	4,6	0	12,0:1	22	JC2801-3760	401	M	W6624/C4512-051/338239R	012EI17134	-
347316C	96,00	1,00	31,50	4,6	0	12,0:1	22	JC2801-3780	403	M	W6624/C4512-051/338239R	012EI17134	-
339562C	97,00	2,00	31,50	4,6	0	12,0:1	22	XS9700	412	M	W6624/C4512-051/338239R	012EI17134	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	3AI1.850-1UD	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Opel/Vauxhall PISTONS

COMPLEMENTARY PARTS

Omega 3000

OEM Engine details 3,0 Ltr 24V | Engine code:C30SE | • Displacement:2969 cc | • Valves:24 | • Comp. Ratio:10,0:1 | • Head cc's:N/A | • Gasket thickness:1,40 | • Rod Length:N/A
Bore:95,00 | • Stroke:69,80 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE168M95	95,00	Std.	39,28	-18	-	8,2:1	22	9500XX	471	1,M,R	-	-	-
KE168M955	95,50	0,50	39,28	-18	-	8,2:1	22	9550XX	485	1,M,R	-	-	-
KE168M9575	95,75	0,75	39,28	-18	-	8,2:1	22	9575XX	488	1,M,R	-	-	-
KE168M96	96,00	1,00	39,28	-18	-	8,2:1	22	9600XX	490	1,M,R	-	-	-
KE169M95	95,00	Std.	39,32	-1,7 FT	-	10,2:1	22	9500XX	-	1,M,R	-	-	-
KE169M955	95,50	0,50	39,32	-1,7 FT	-	10,2:1	22	9550XX	495	1,M,R	-	-	-
KE169M9575	95,75	0,75	39,32	-1,7 FT	-	10,2:1	22	9575XX	-	1,M,R	-	-	-
KE169M96	96,00	1,00	39,32	-1,7 FT	-	10,2:1	22	9600XX	500	1,M,R	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	3AI1.850-1UD	-
KING	-	-	-			

Porsche

2.0L 911 (Air Cooled)

OEM Engine details 2,0 Ltr 12V | Engine code:901 | • Displacement:1991 cc | • Valves:12 | • Comp. Ratio:9,0:1 | • Head cc's:68,00 | • Gasket thickness:0,75 | • Rod Length:130,00
Bore:80,00 | • Stroke:66,00 | • Block Ht:N/A

C/R with 1,00 mm head gasket and 0 deck

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
353218	80,00	Std.	33,90	34,1	0	9,5:1	22	JG1006-3150	-	I,M,R,Y	-	PR-2.0-S-65120S-06	-
353219	81,00	1,00	33,90	33,2	0	9,5:1	22	JG1006-3189	-	I,M,R,Y	-	PR-2.0-S-65120S-06	-
353221	80,00	Std.	33,90	38,2	0	10,5:1	22	JG1006-3150	-	I,M,R,Y	-	PR-2.0-S-65120S-06	-
353220	81,00	1,00	33,90	37,4	0	10,5:1	22	JG1006-3189	-	I,M,R,Y	-	PR-2.0-S-65120S-06	-

Mahle Cylinders	Bore (mm)
503WR1800	80,00

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B2452H(HX/0,025/0,25)	-	-	204-4206	204-6003	-
KING	CR6855XP	-	-			

2.2L 911 (Air Cooled)

OEM Engine details 2,2 Ltr 12V | Engine code:911 | • Displacement:2194 cc | • Valves:12 | • Comp. Ratio:9,1:1 | • Head cc's:68,00 | • Gasket thickness:0 | • Rod Length:130,00
Bore:84,00 | • Stroke:66,00 | • Block Ht:N/A

C/R with 1,00 mm head gasket and 0 deck

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
353222	84,00	Std.	33,90	30,6	0	9,5:1	22	JG1006-3307	-	I,M,R,Y	-	PR-2.0-S-65120S-06	-
353224	85,00	1,00	33,90	29,7	0	9,5:1	22	JG1006-3346	-	I,M,R,Y	-	PR-2.0-S-65120S-06	-
353226	87,50	3,50	33,90	27,4	0	9,5:1	22	JG1006-3445	-	I,M,R,Y	-	PR-2.0-S-65120S-06	-
353223	84,00	Std.	33,90	35,1	0	10,5:1	22	JG1006-3307	-	I,M,R,Y	-	PR-2.0-S-65120S-06	-
353225	85,00	1,00	33,90	34,3	0	10,5:1	22	JG1006-3346	-	I,M,R,Y	-	PR-2.0-S-65120S-06	-
353227	87,50	3,50	33,90	32,3	0	10,5:1	22	JG1006-3445	-	I,M,R,Y	-	PR-2.0-S-65120S-06	-
353228	89,00	5,00	33,90	31,1	0	10,5:1	22	JG1006-3504	-	I,M,R,Y	-	PR-2.0-S-65120S-06	-

Mahle Cylinders	Bore (mm)
503WR1900	84,00

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B2452H(HX/0,025/0,25)	-	-	204-4206	204-6003	-
KING	CR6855XP	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Porsche PISTONS

COMPLEMENTARY PARTS

2.4L 911 (Air Cooled)

OEM Engine details 2,4 Ltr 12V | Engine code:911 | Bore:84,00 | • Displacement:2341 cc | • Stroke:70,40 | • Valves:12 | • Block Ht:N/A | • Comp. Ratio:8,5:1 | • Head cc's:68,00 | • Gasket thickness:0 | • Rod Length:127,75

C/R with 1,00 mm head gasket and 0 deck

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
353229	84,00	Std.	33,90	27,7	0	9,5:1	22	JG1006-3307	-	I,M,R,Y	-	PR-247-S-65030S-06	-
353231	85,00	1,00	33,90	26,8	0	9,5:1	22	JG1006-3346	-	I,M,R,Y	-	PR-247-S-65030S-06	-
353233	87,50	3,50	33,90	24,3	0	9,5:1	22	JG1006-3445	-	I,M,R,Y	-	PR-247-S-65030S-06	-
353230	84,00	Std.	33,90	32,5	0	10,5:1	22	JG1006-3307	-	I,M,R,Y	-	PR-247-S-65030S-06	-
353232	85,00	1,00	33,90	31,7	0	10,5:1	22	JG1006-3346	-	I,M,R,Y	-	PR-247-S-65030S-06	-
353234	87,50	3,50	33,90	29,5	0	10,5:1	22	JG1006-3445	-	I,M,R,Y	-	PR-247-S-65030S-06	-

Mahle Cylinders	Bore (mm)
503WR1900	84,00
PC86-002	86,70

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B2452H(HX/0,025/0,25)	-	-	204-4206	204-6001	-
KING	CR6855XP	-	-			

2,5L 944 (Water Coolded)

OEM Engine details 2,5 Ltr 8V | Engine code:M44.50/51/52 | Bore:100,00 | • Displacement:2479 cc | • Stroke:78,90 | • Valves:8 | • Block Ht:230,30 | • Comp. Ratio:8,0:1 | • Head cc's:57,00 | • Gasket thickness:1,09 | • Rod Length:150,00

Wiseco Piston Kit

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE538M100	100,00	Std.	40,80	-25,7	0	8,0:1	24	10000XX	533	F,I,M,N	C4272-040	PR-944-S-65906S-04	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
310599C	100,00	Std.	40,75	-28,4	0,05-	7,5:1	24	XH10000	477	I,M,N	C4272-051	PR-944-S-65906S-04	-
293449C	100,50	0,50	40,75	-28,4	0,05-	7,5:1	24	RA074-3957	485	I,M,N	C4272-051	PR-944-S-65906S-04	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B2475H(HX/0,025/0,25)	-	-	204-4211	204-6002	-
KING	-	-	-			

2.7L 911 (Air Cooled)

OEM Engine details 2,7 Ltr 12V | Engine code:911 | Bore:90,00 | • Displacement:2687 cc | • Stroke:70,40 | • Valves:12 | • Block Ht:N/A | • Comp. Ratio:8,5:1 | • Head cc's:68,00 | • Gasket thickness:0 | • Rod Length:127,75

C/R with 1,00 mm head gasket and 0 deck

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
261663	90,00	Std.	34,00	21,8	0	9,5:1	21	JG1006-3543	404	R	-	PR-247-S-65030S-06	-
353235	90,00	Std.	33,90	21,8	0	9,5:1	21	JG1006-3543	-	I,R,Y	-	PR-247-S-65030S-06	-
261665	92,00	2,00	34,00	19,7	0	9,5:1	21	JG1006-3622	419	M,R	-	PR-247-S-65030S-06	-
353237	92,00	2,00	33,90	19,7	0	9,5:1	21	JG1006-3622	386	I,R,Y	-	PR-247-S-65030S-06	-
353239	93,00	3,00	33,90	18,6	0	9,5:1	21	JG1006-3661	-	I,M,R,Y	-	PR-247-S-65030S-06	-
261664	90,00	Std.	34,00	27,3	0	10,5:1	21	JG1006-3543	403	R	-	PR-247-S-65030S-06	-
353236	90,00	Std.	33,90	27,3	0	10,5:1	21	JG1006-3543	386	I,R,Y	-	PR-247-S-65030S-06	-
261666	92,00	2,00	34,00	25,5	0	10,5:1	21	JG1006-3622	418	R	-	PR-247-S-65030S-06	-
353238	92,00	2,00	33,90	25,5	0	10,5:1	21	JG1006-3622	-	I,R,Y	-	PR-247-S-65030S-06	-
353240	93,00	3,00	33,90	24,5	0	10,5:1	21	JG1006-3661	-	I,M,R,Y	-	PR-247-S-65030S-06	-
350530C	90,00	Std.	34,00	37,3	0	13,0:1	21	JG1006-3543	430	M,R	-	PR-247-S-65030S-06	-

Mahle Cylinders	Bore (mm)
503WR2400	90,00

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	204-4206	204-6001	-
KING	-	-	-			

3.0L 944S2/968 (Water Coolded)

OEM Engine details 3,0 Ltr 16V | Engine code:M44.41/43/44 | Bore:104,00 | • Displacement:2990 cc | • Stroke:88,00 | • Valves:16 | • Block Ht:230,30 | • Comp. Ratio:10,9:1 | • Head cc's:N/A | • Gasket thickness:1,09 | • Rod Length:150,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
349640C	104,00	Std.	36,09	-25	0,21-	10,9:1	24	XS10400	450	I,M,R	330043R	PR-944-S-65906S-04	-
308955C	104,50	0,50	36,09	-25	0,21-	10,9:1	24	J91201-4120-3	459	A,I,M,R	330043R	PR-944-S-65906S-04	-
358271C	104,50	0,50	36,09	-25	0,21-	10,9:1	24	RA084-4120	459	A,I,M,R,Z	330043R	PR-944-S-65906S-04	-
361837C	105,00	1,00	36,00	-28,5	0,21-	10,9:1	24	J750F1-4135-5	464	A,I,M,R	330043R	PR-944-S-65906S-04	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	204-6002	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Porsche PISTONS

COMPLEMENTARY PARTS

3.0L 911 Turbo (Air Cooled)

OEM Engine details 3,0 Ltr 12V | Engine code:930.50/51/52 | Bore:95,00 | • Displacement:2993 cc | • Stroke:70,40 | • Valves:12 | • Block Ht:N/A | • Comp. Ratio:6,5:1 | • Head cc's:90,00 | • Gasket thickness:0 | • Rod Length:127,75

C/R with 1,00 mm head gasket and 0 deck

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
353242	95,00	Std.	33,90	6,5	0	6,5:1	22	JG1006-3740	-	I,M,R,T,Y	-	PR-3.0-S-65030S-06	-
353244	98,00	3,00	33,90	9,1	0	7,0:1	22	JG1006-3858	-	I,M,R,T,Y	-	PR-3.0-S-65030S-06	-
353243	95,00	Std.	33,90	14	0	7,0:1	22	JG1006-3740	-	I,M,R,T,Y	-	PR-3.0-S-65030S-06	-
353245	98,00	3,00	33,90	15,9	0	7,5:1	22	JG1006-3858	-	I,M,R,T,Y	-	PR-3.0-S-65030S-06	-

Mahle Cylinders	Bore (mm)
503WR2700	95,00
PC98-001	98,00

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	See **ACL** section for correct housing bore*	-	-	204-4206	204-6001	-
KING	-	-	-			

3.0L 911 (Air Cooled)

OEM Engine details 3,0 Ltr 12V | Engine code:930 | Bore:95,00 | • Displacement:2993 cc | • Stroke:70,40 | • Valves:12 | • Block Ht:N/A | • Comp. Ratio:9,3:1 | • Head cc's:90,00 | • Gasket thickness:0 | • Rod Length:127,75

C/R with 1,00 mm head gasket and 0 deck

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
274048	95,00	Std.	34,00	38,5	0	9,5:1	22	J650U6-3740	450	R	-	PR-3.0-S-65030S-06	-
353246	95,00	Std.	33,90	38,5	0	9,5:1	22	JG1006-3740	428	I,R,Y	-	PR-3.0-S-65030S-06	-
274638	98,00	3,00	34,00	35,2	0	9,5:1	22	J650U6-3858	477	R	-	PR-3.0-S-65030S-06	-
353249	98,00	3,00	33,90	35,2	0	9,5:1	22	JG1006-3858	-	I,R,Y	-	PR-3.0-S-65030S-06	-
353252	100,00	5,00	33,90	32,9	0	9,5:1	22	JG1006-3937	-	I,M,R,Y	-	PR-3.0-S-65030S-06	-
274049	95,00	Std.	34,00	44,7	0	10,5:1	22	J650U6-3740	472	R	-	PR-3.0-S-65030S-06	-
353247	95,00	Std.	33,90	44,7	0	10,5:1	22	JG1006-3740	-	I,R,Y	-	PR-3.0-S-65030S-06	-
274051	98,00	3,00	34,00	41,8	0	10,5:1	22	J650U6-3858	482	R	-	PR-3.0-S-65030S-06	-
353250	98,00	3,00	33,90	41,7	0	10,5:1	22	JG1006-3858	474	I,R,Y	-	PR-3.0-S-65030S-06	-
353253	100,00	5,00	33,90	39,8	0	10,5:1	22	JG1006-3937	-	I,M,R,Y	-	PR-3.0-S-65030S-06	-
353255	102,00	7,00	33,90	37,7	0	10,5:1	22	JG3106-4020-2	-	I,M,R,Y	-	PR-3.0-S-65030S-06	-
353248	95,00	Std.	33,90	49,7	0	11,5:1	22	JG1006-3740	-	I,R,Y	-	PR-3.0-S-65030S-06	-
353251	98,00	3,00	33,90	47,1	0	11,5:1	22	JG1006-3858	-	I,R,Y	-	PR-3.0-S-65030S-06	-
353254	100,00	5,00	33,90	45,3	0	11,5:1	22	JG1006-3937	-	I,M,R,Y	-	PR-3.0-S-65030S-06	-
353256	102,00	7,00	33,90	43,5	0	11,5:1	22	JG3106-4020-2	-	I,M,R,Y	-	PR-3.0-S-65030S-06	-

Mahle Cylinders	Bore (mm)
503WR2700	95,00
PC98-001	98,00

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	See **ACL** section for correct housing bore*	-	-	204-4206	204-6001	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

Porsche PISTONS

COMPLEMENTARY PARTS

3.2L 911 (Air Cooled)

OEM Engine details 3,2 Ltr 12V | Engine code:930 | Bore:95,00 | • Displacement:3164 cc | • Stroke:74,40 | • Valves:12 | • Block Ht:N/A | • Comp. Ratio:9,5:1 | • Head cc's:90,00 | • Gasket thickness:0 | • Rod Length:127,00

C/R with 1,00 mm head gasket and 0 deck

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
274640	95,00	Std.	32,80	35,1	0	9,5:1	23	J650U6-3740	445	M,R	-	PR-33-S-23-65000S-06	-
353283	95,00	Std.	32,80	35,1	0	9,5:1	23	JG1006-3740	-	I,R,Y	-	PR-33-S-23-65000S-06	-
274642	98,00	3,00	32,80	31,6	0	9,5:1	23	J612U6-3858	470	R	-	PR-33-S-23-65000S-06	-
353286	98,00	3,00	32,80	31,6	0	9,5:1	23	JG1006-3858	-	I,R,Y	-	PR-33-S-23-65000S-06	-
353289	100,00	5,00	32,80	29,2	0	9,5:1	23	JG1006-3937	-	I,R,Y	-	PR-33-S-23-65000S-06	-
274639	95,00	Std.	32,80	41,7	0	10,5:1	23	J650U6-3740	450	R	-	PR-33-S-23-65000S-06	-
353284	95,00	Std.	32,80	41,7	0	10,5:1	23	JG1006-3740	-	I,R,Y	-	PR-33-S-23-65000S-06	-
274645	98,00	3,00	32,80	38,6	0	10,5:1	23	J612U6-3858	466	R	-	PR-33-S-23-65000S-06	-
353287	98,00	3,00	32,80	38,6	0	10,5:1	23	JG1006-3858	-	I,R,Y	-	PR-33-S-23-65000S-06	-
274643	100,00	5,00	32,80	36,5	0	10,5:1	23	J660U6-3937	491	M,R	-	PR-33-S-23-65000S-06	-
353290	100,00	5,00	32,80	36,5	0	10,5:1	23	JG1006-3937	-	I,R,Y	-	PR-33-S-23-65000S-06	-
353292	102,00	7,00	32,80	34,3	0	10,5:1	23	JG3106-4020-2	-	I,M,R,Y	-	PR-33-S-23-65000S-06	-
274644	95,00	Std.	32,80	47	0	11,5:1	23	J650U6-3740	464	R	-	PR-33-S-23-65000S-06	-
353285	95,00	Std.	32,80	47	0	11,5:1	23	JG1006-3740	-	I,R,Y	-	PR-33-S-23-65000S-06	-
274646	98,00	3,00	32,80	44,2	0	11,5:1	23	J612U6-3858	477	M,R	-	PR-33-S-23-65000S-06	-
353288	98,00	3,00	32,80	44,2	0	11,5:1	23	JG1006-3858	-	I,R,Y	-	PR-33-S-23-65000S-06	-
274647	100,00	5,00	32,80	42,3	0	11,5:1	23	J660U6-3937	496	M,R	-	PR-33-S-23-65000S-06	-
353291	100,00	5,00	32,80	42,3	0	11,5:1	23	JG1006-3937	-	I,R,Y	-	PR-33-S-23-65000S-06	-
353293	102,00	7,00	32,80	40,4	0	11,5:1	23	JG3106-4020-2	-	I,M,R,Y	-	PR-33-S-23-65000S-06	-

Mahle Cylinders	Bore (mm)
503WR2800	95,00
PC98-001	98,00

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	See **ACL** section for correct housing bore*	-	-	204-4206	204-6005	-
KING	-	-	-			

3.3L 911(964) Turbo (Air Cooled)

OEM Engine details 3,3 Ltr 12V | Engine code:M30.69/930,60/930,66 | Bore:97,00 | • Displacement:3299 cc | • Stroke:74,40 | • Valves:12 | • Block Ht:N/A | • Comp. Ratio:7,0:1 | • Head cc's:90,00 | • Gasket thickness:0 | • Rod Length:127,00

C/R with 1,00 mm head gasket and 0 deck

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
353296	97,00	Std.	32,80	5,8	0	7,0:1	23	JG1006-3819	-	I,R,T,Y	-	PR-33-S-23-65000S-06	-
353297	97,00	Std.	32,80	12,9	0	7,5:1	23	JG1006-3819	438	I,R,T,Y	-	PR-33-S-23-65000S-06	-
353301	98,00	1,00	32,80	11,3	0	7,5:1	23	JG1006-3858	-	I,R,T,Y	-	PR-33-S-23-65000S-06	-
353304	100,00	3,00	32,80	8,1	0	7,5:1	23	JG1006-3937	446	I,R,T,Y	-	PR-33-S-23-65000S-06	-
331158	97,00	Std.	32,80	17,5	0	8,0:1	23	JG1006-3819	-	R,T	-	PR-33-S-23-65000S-06	-
353298	97,00	Std.	32,80	18,9	0	8,0:1	23	JG1006-3819	-	I,R,T,Y	-	PR-33-S-23-65000S-06	-
274648	98,00	1,00	32,80	17,5	0	8,0:1	23	J612U6-3858	439	R,T	-	PR-33-S-23-65000S-06	-
353302	98,00	1,00	32,80	17,5	0	8,0:1	23	JG1006-3858	-	I,R,T,Y	-	PR-33-S-23-65000S-06	-
353305	100,00	3,00	32,80	14,5	0	8,0:1	23	JG1006-3937	-	I,R,T,Y	-	PR-33-S-23-65000S-06	-
353299	97,00	Std.	32,80	24.2	0	8,5:1	23	JG1006-3819	-	I,R,T,Y	-	PR-33-S-23-65000S-06	-
331159	97,00	Std.	32,80	22,8	0	8,5:1	23	JG1006-3819	-	R,T	-	PR-33-S-23-65000S-06	-
274649	98,00	1,00	32,80	22,8	0	8,5:1	23	J612U6-3858	441	R,T	-	PR-33-S-23-65000S-06	-
353303	98,00	1,00	32,80	22,8	0	8,5:1	23	JG1006-3858	-	I,R,T,Y	-	PR-33-S-23-65000S-06	-

Mahle Cylinders	Bore (mm)
503WR2000	97,00
PC98-001	98,00

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B2463H(HX/0,025/0,25)	-	-	204-4206	204-6005	-
KING	-	-	-			

3.4L 911(996) (Water Cooled)

OEM Engine details 3,4 Ltr 24V | Engine code:M96.01/02/04 | Bore:96,00 | • Displacement:3387 cc | • Stroke:78,00 | • Valves:24 | • Block Ht:N/A | • Comp. Ratio:11,3:1 | • Head cc's:N/A | • Gasket thickness:0,60 | • Rod Length:145,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
328524C	96,00	Std.	32,28	-16	-	11,3:1	22	JG5001-3780	371	F,I,M	-	PR-996-S-65708S-06	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	204-4707	204-6301	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Porsche PISTONS

COMPLEMENTARY PARTS

3.6L 911(964) (Air Cooled)

OEM Engine details 3,6 Ltr 12V | Engine code:M64.01/02/03 | • Displacement:3600 cc | • Valves:12 | • Comp. Ratio:11,3:1 | • Head cc's:90,00 | • Gasket thickness:0 | • Rod Length:127,00

Bore:100,00 | • Stroke:76,40 | • Block Ht:N/A

C/R with 1,00 mm head gasket and 0 deck

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
274637	100,00	Std,	31,80	40,8	0	11,5:1	23	J660U6-3937	482	R	-	PR-33-S-23-65000S-06	-
353306	100,00	Std,	31,80	40,8	0	11,5:1	23	JG1006-3937	-	I,R,Y	-	PR-33-S-23-65000S-06	-
274046	102,00	2,00	31,80	38,8	0	11,5:1	23	J660U6-4016	494	R	-	PR-33-S-23-65000S-06	-
353308	102,00	2,00	31,80	38,8	0	11,5:1	23	JG3106-4020-2	-	I,R,Y	-	PR-33-S-23-65000S-06	-
353310	103,15	3,15	31,80	37,7	0	11,5:1	23	JG31F6-4060-0	-	I,M,R,Y	-	PR-33-S-23-65000S-06	-
353312	105,03	5,03	31,80	35,7	0	11,5:1	23	JG7706-4135-5	-	I,M,R,Y	-	PR-33-S-23-65000S-06	-
274636	100,00	Std,	31,80	45,8	0	12,5:1	23	J660U6-3937	494	R	-	PR-33-S-23-65000S-06	-
353307	100,00	Std,	31,80	45,8	0	12,5:1	23	JG1006-3937	483	I,R,Y	-	PR-33-S-23-65000S-06	-
274045	102,00	2,00	31,80	44	0	12,5:1	23	J660U6-4016	506	R	-	PR-33-S-23-65000S-06	-
353309	102,00	2,00	31,80	44	0	12,5:1	23	JG3106-4020-2	-	I,R,Y	-	PR-33-S-23-65000S-06	-
353311	103,15	3,15	31,80	43	0	12,5:1	23	JG31F6-4060-0	-	I,M,R,Y	-	PR-33-S-23-65000S-06	-
353313	105,03	5,03	31,80	41,2	0	12,5:1	23	JG7706-4135-5	-	I,M,R,Y	-	PR-33-S-23-65000S-06	-

Mahle Cylinders	Bore (mm)	
503WR4500	100,00	
PC102-001	102,00	Machine in 109.00mm case
PC102-002	102,00	Slip in 107.00mm case
PC102-003	102.00	Machine in 109.00mm case / Shorter 114.5mm cylinder

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B2463H(HX/0,025/0,25)	-	-	204-4206	-	-
KING	-	-	-			

3.6L 911(996/997) (Water Cooled)

OEM Engine details 3,6 Ltr 24V | Engine code:M96.03/05 | • Displacement:3596 cc | • Valves:24 | • Comp. Ratio:11,3:1 | • Head cc's:N/A | • Gasket thickness:0,60 | • Rod Length:142,00

Bore:96,00 | • Stroke:82,80 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
357545C	96,00	Std,	32,87	-13	-	11,3:1	22	JG1006-3780	375	F,N,M	-	PR-99603-S-65590S-06	-
341069C	96,50	0,50	32,87	-13	-	11,3:1	22	XX9650-coated	375	F,I,M,Z	-	PR-99603-S-65590S-06	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	204-4210	204-6301	-
KING	-	-	-			

3.6L 911(996) Twin Turbo (Water Cooled)

OEM Engine details 3,6 Ltr 24V | Engine code:M96.70 | • Displacement:3596 cc | • Valves:24 | • Comp. Ratio:9,4:1 | • Head cc's:N/A | • Gasket thickness:0,60 | • Rod Length:127,00

Bore:100,00 | • Stroke:76,40 | • Block Ht:N/A

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
362143	100,00	Std,	33,10	-25,5	-	9,4:1	23	JG3706-3937	430	F,M,T	-	PR-993>-65000H-06	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	204-4210	204-6301	-
KING	-	-	-			

3.6L 911(997) Twin Turbo (Water Cooled)

OEM Engine details 3,6 Ltr 24V | Engine code:M97.70 | • Displacement:3596 cc | • Valves:24 | • Comp. Ratio:9,4:1 | • Head cc's:N/A | • Gasket thickness:0,60 | • Rod Length:127,00

Bore:100,00 | • Stroke:76,40 | • Block Ht:N/A

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
362143	100,00	Std,	33,10	-25,5	-	9,4:1	23	JG3706-3937	430	F,M,T	-	PR_R997T_0HS_5000B6H-06	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	204-6301	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

P.S.A. (Peugeot/Citroën) PISTONS

XU5JA as in 205/309

OEM Engine details 1,6 Ltr 8V | Engine code:XU5JA | • Displacement:1580 cc | • Valves:8 | • Comp. Ratio:10,2:1 | • Head cc's:N/A | • Gasket thickness:1,27 | • Rod Length:150,50
Bore:83,00 | • Stroke:73,00 | • Block Ht:N/A

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
312435	83,00	Std.	38,25	0 FT	-	12,0:1	20	JG1004-3268	335	M,S,V	-	-	-
312436	83,50	0,50	38,25	0 FT	-	12,0:1	20	JG1004-3287	339	M,S,V	-	-	-
312437	84,00	1,00	38,25	0 FT	-	12,0:1	20	JG1004-3307	343	M,S,V	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B7712H(HX/0,30/0,50)	5M2797H(HX/0,30/0,50)	1T7707	-	-	-
KING	CR4493XP	MB5729XP	-			

TU5J2/TU5J9 as in 106

OEM Engine details 1,6 Ltr 8V | Engine code:TU5J2(NFY)/TU5JP | • Displacement:1587 cc | • Valves:8 | • Comp. Ratio:10,2:1 | • Head cc's:33,00 | • Gasket thickness:1,37 | • Rod Length:133,50
Bore:78,50 | • Stroke:82,00 | • Block Ht:207,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
312431	78,50	Std.	32,50	2,5	0	11,8:1	18*	JC3001-3091	270	M,R	-	-	-
329114C	78,75	0,25	32,50	2,5	0	11,8:1	18*	JG1001-3110	272	M,R	-	-	-
335037C	79,00	0,50	32,50	2,5	0	11,8:1	18*	JG1001-3110	274	M,R	-	-	-
360800C	78,50	Std.	32,50	2,5	0	11,8:1	18*	JC3001-3091	268	M,R	-	-	-
360800C-79	79,00	0,50	32,50	2,5	0	11,8:1	18*	JG1001-3110	272	M,R	-	-	-
344093C	78,50	Std.	32,50	-10,5	0	9,0:1	19,48*	JC3001-3091	261	M,R	-	-	-
349743C	79,00	0,50	32,50	-10,5	0	9,0:1	19,48*	JG1001-3110	264	M,R	-	-	-
336844C	78,50	Std.	32,50	2,5	0	11,8:1	19,48*	JC3001-3091	270	M,R	-	-	-
336094C	79,00	0,50	32,50	2,5	0	11,8:1	19,48*	JG1001-3110	274	M,R	-	-	-

* Check pin size before ordering!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B7712H(HX/0,30/0,50)	5M2797H(HX/0,30/0,50)	1T7707	-	-	-
KING	CR4493XP	MB5729XP	-			

Prince as in 207/308/C4

OEM Engine details 1,6 Ltr 16V | Engine code:Prince(EP6/EP6C/EP6DT/EP6DTS) | • Displacement:1598 cc | • Valves:16 | • Comp. Ratio:11,0:1/10,5:1 | • Head cc's:37,60 | • Gasket thickness:0,90 | • Rod Length:138,50
Bore:77,00 | • Stroke:85,80 | • Block Ht:210,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE259M77	77,00	Std.	28,50	1	0,60-	10,1:1	20	7700XX	282	1,R	C4617-036/338476R	005EA14139* / R-PEU-002-I (Tapered)	C-MIN-002
KE259M775 *	77,50	0,50	28,50	1	0,60-	10,1:1	20	7750XX	286	1,R	C4617-036/338476R	005EA14139* / R-PEU-002-I (Tapered)	C-MIN-002

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
351938C-77	77,00	Std.	28,45	-0,3	0,65-	9,8:1	20	JG1001-3031	270	I,M,T	C4617-036/338476R	005EA14139* / R-PEU-002-I (Tapered fits OE)	C-MIN-002
351938C*	77,25	0,25	28,45	-0,3	0,65-	9,8:1	20	7750XX	273	I,M,T	C4617-036/338476R	005EA14139* / R-PEU-002-I (Tapered fits OE)	C-MIN-002
351938C-77,5*	77,50	0,50	28,45	-0,3	0,65-	9,8:1	20	JG1004-3051	277	I,M,T	C4617-036/338476R	005EA14139* / R-PEU-002-I (Tapered fits OE)	C-MIN-002

* Cylinder replating required for oversizes!

* Straight SE,don't fit OE Pistons!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B7787H(HX/0,025/0,25)	5M7788H(HX/0,025/0,25)	-	201-4304	201-6305	201-5401
KING	CR4633XP	MB5758XP	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

COMPLEMENTARY PARTS

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

P.S.A. (Peugeot/Citroën) PISTONS

TU5J4/TU5JP4 as in 106/206/207/C3/C4

OEM Engine details 1,6 Ltr 16V | Engine code:TU5JP4 | • Displacement:1587 cc | • Valves:16 | • Comp. Ratio:10,8:1 | • Head cc's:32,70 | • Gasket thickness:0,62 | • Rod Length:133,60
Bore:78,50 | • Stroke:82,00 | • Block Ht:207,00

C/R with 1,14mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE128M785	78,50	Std.	32,85	-13,5	0,45	9,0:1	19,5	7850XX	270	1,R	C4493-045	034CY43134* / R-CIT-001-I*	-
KE128M79	79,00	0,50	32,85	-13,5	0,45	9,0:1	19,5	7900XX	277	1,R	C4493-045	034CY43134* / R-CIT-001-I*	-
KE128M795	79,50	1,00	32,85	-13,5	0,45	9,0:1	19,5	7950XX	284	1,R	H2514SP1045S	034CY43134* / R-CIT-001-I*	-
KE128M80	80,00	1,50	32,85	-13,5	0,45	9,0:1	19,5	8000XX	291	1,R	H2514SP1045S	034CY43134* / R-CIT-001-I*	-
KE129M785	78,50	Std.	32,85	0 Dome	0,45	12,0:1	19,5	7850XX	271	1,R	C4493-045	034CY43134* / R-CIT-007H*	-
KE129M79	79,00	0,50	32,85	0 Dome	0,45	12,0:1	19,5	7900XX	278	1,R	C4493-045	034CY43134* / R-CIT-007H*	-
KE129M795	79,50	1,00	32,85	0 Dome	0,45	12,0:1	19,5	7950XX	286	1,R	H2514SP1045S	034CY43134* / R-CIT-007H*	-
KE129M80	80,00	1,50	32,85	0 Dome	0,45	12,0:1	19,5	8000XX	292	1,R	H2514SP1045S	034CY43134* / R-CIT-007H*	-
KE130M785	78,50	Std.	32,85	3	0,45	13,0:1	19,5	7850XX	287	1,R	C4493-045	034CY43134* / R-CIT-001HL*	-
KE130M79	79,00	0,50	32,85	3	0,45	13,0:1	19,5	7900XX	295	1,R	C4493-045	034CY43134* / R-CIT-001HL*	-
KE130M795	79,50	1,00	32,85	3	0,45	13,0:1	19,5	7950XX	309	1,R	H2514SP1045S	034CY43134* / R-CIT-001HL*	-
KE130M80	80,00	1,50	32,85	3	0,45	13,0:1	19,5	8000XX	319	1,R	H2514SP1045S	034CY43134* / R-CIT-001HL*	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
312389	78,50	Std.	32,50	-15,4	0,10	9,0:1	19,5	JC3004-3091	266	PS,R,T	C4493-030	034CY43134* / R-CIT-001-I*	-
312390	78,70	0,20	32,50	-15,4	0,10	9,0:1	19,5	XC7900	266	A,M,PS,R,T	C4493-030	034CY43134* / R-CIT-001-I*	-
312391	79,00	0,50	32,50	-15,9	0,10	9,0:1	19,5	XC7900	270	M,PS,R,T	C4493-030	034CY43134* / R-CIT-001-I*	-
312392	79,50	1,00	32,50	-16,4	0,10	9,0:1	19,5	XG7950	274	M,PS,R,T	H2514SP1030S	034CY43134* / R-CIT-001-I*	-
312393	80,00	1,50	32,50	-16,9	0,10	9,0:1	19,5	XC8000	279	M,PS,R,T	H2514SP1030S	034CY43134* / R-CIT-001-I*	-
VTS:with 18mm Pin long rod 137,75mm:												*For floating pin 19,50mm-does not fit OE TU5J4 pistons(19,46mm)	
312388	78,70	0,20	28,10	7,6	0,15-	12,2:1	18	XC7900	260	A,M,R	C4493-030	R-CIT-004-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B7712H(HX/0,30/0,50)	5M2797H(HX/0,30/0,50)	1T7707	-	-	-
KING	CR4493XP	MB5729XP	-			

XU9JA as in 205/305/309

OEM Engine details 1,9 Ltr 8V | Engine code:XU9JA(D6B) | • Displacement:1905 cc | • Valves:8 | • Comp. Ratio:9,6:1 | • Head cc's:36,00 | • Gasket thickness:1,27 | • Rod Length:143,00
Bore:83,00 | • Stroke:88,00 | • Block Ht:224,00

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
312432	83,00	Std.	37,00	-3,7	0	11,5:1	20	JG1004-3268	319	M,R,V	-	-	-
312433	83,50	0,50	37,00	-3,7	0	11,5:1	20	JG1004-3287	324	M,R,V	-	-	-
312434	84,00	1,00	37,00	-3,7	0	11,5:1	20	JG1004-3307	327	M,R,V	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B7700H(HX/0,25)	-	-	-	-	-
KING	CR4602XP	-	TW 246AM			

XU9J4 as in 309 S16

OEM Engine details 1,9 Ltr 16V | Engine code:XU9J4 | • Displacement:1985 cc | • Valves:16 | • Comp. Ratio:10,4:1 | • Head cc's:37,20 | • Gasket thickness:1,48 | • Rod Length:152,00
Bore:83,00 | • Stroke:86,00 | • Block Ht:233,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE224M83	83,00	Std.	37,00	-13	1,00-	9,0:1	22	8300XX	341	1	C4225-051	-	-
KE224M835	83,50	0,50	37,00	-13	1,00-	9,0:1	22	8350XX	350	1	C4225-051	-	-
KE224M84	84,00	1,00	37,00	-13	1,00-	9,0:1	22	8400XX	356	1,M	C4225-051	-	-
KE226M83	83,00	Std.	37,00	-1 FT	1,00-	10,2:1	22	8300XX	355	1,R	C4225-051	-	-
KE226M835	83,50	0,50	37,00	-1 FT	1,00-	10,2:1	22	8350XX	364	1,R	C4225-051	-	-
KE226M84	84,00	1,00	37,00	-1 FT	1,00-	10,2:1	22	8400XX	370	1,M,R	C4225-051	-	-
KE223M83	83,00	Std.	37,00	10	1,00-	12,0:1	22	8300XX	369	1,M,R	C4225-051	-	-
KE223M835	83,50	0,50	37,00	10	1,00-	12,0:1	22	8350XX	376	1,M,R	C4225-051	-	-
KE223M84	84,00	1,00	37,00	10	1,00-	12,0:1	22	8400XX	385	1,M,R	C4225-051	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B7700H(HX/0,25)	-	-	-	117-6101	-
KING	CR4602XP	-	TW 246AM			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

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COMPLEMENTARY PARTS

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

P.S.A. (Peugeot/Citroën) PISTONS

EW10J4 (RS) as in 206/307/C4

OEM Engine details 2,0 Ltr 16V | Engine code:EW10J4(RS) | • Displacement:1997 cc | • Valves:16 | • Comp. Ratio:10,8:1 | • Head cc's:43,00 | • Gasket thickness:0,70 | • Rod Length:139,00

Bore:85,00 | • Stroke:88,00 | • Block Ht:212,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE131M85	85,00	Std.	29,60	-18	0,10	8,5:1	21	8500XX	338	1,R	338265R	PEH5472BLFB4-A / R-PEU-003H	-
KE131M8525*	85,25	0,25	29,60	-18	0,10	8,5:1	21	8525XX	341	1,M,R	338265R	PEH5472BLFB4-A / R-PEU-003H	-
KE131M855 *	85,50	0,50	29,60	-18	0,10	8,5:1	21	8550XX	346	1,M,R	338265R	PEH5472BLFB4-A / R-PEU-003H	-
KE132M85	85,00	Std.	29,60	11,6	0,10	13,5:1	21	8500XX	322	1,F,K,M,Q	338265R	PEH5472BLFB4-A / R-PEU-003H	-
KE132M8525*	85,25	0,25	29,60	11,6	0,10	13,5:1	21	8525XX	324	1,F,K,M,Q	338265R	PEH5472BLFB4-A / R-PEU-003H	-
KE132M855 *	85,50	0,50	29,60	11,6	0,10	13,5:1	21	8550XX	327	1,F,K,M,Q	338265R	PEH5472BLFB4-A / R-PEU-003H	-

* Cylinder replating required for oversizes!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B7736H(0,30)	-	-	-	-	-
KING	CR4603XP	-	-			

XU10J4 as in 405 Mi16

OEM Engine details 2,0 Ltr 16V | Engine code:XU10J4 | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:10,4:1 | • Head cc's:37,20 | • Gasket thickness:1,27 | • Rod Length:152,00

Bore:86,00 | • Stroke:86,00 | • Block Ht:235,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE229M86	86,00	Std.	39,16	-14	0,84-	8,5:1	23	8600XX	414	1,M,R	W6653	034EC21152	-
KE229M8625	86,25	0,25	39,16	-14	0,84-	8,5:1	23	8625XX	416	1,M,R	W6653	034EC21152	-
KE229M865	86,50	0,50	39,16	-14	0,84-	8,5:1	23	8650XX	419	1,R	W6653	034EC21152	-
KE229M8675	86,75	0,75	39,16	-14	0,84-	8,5:1	23	8675XX	420	1,M,R	C4228-051	034EC21152	-
KE229M87	87,00	1,00	39,16	-14	0,84-	8,5:1	23	8700XX	409	1,M,R	C4228-051	034EC21152	-
KE253M86	86,00	Std.	39,16	-1,5 FT	0,84-	11,0:1	23	8600XX	404	1,M	W6653	034EC21152	-
KE253M8625	86,25	0,25	39,16	-1,5 FT	0,84-	11,0:1	23	8625XX	-	1,M	W6653	034EC21152	-
KE253M865	86,50	0,50	39,16	-1,5 FT	0,84-	11,0:1	23	8650XX	410	1,M	W6653	034EC21152	-
KE253M8675	86,75	0,75	39,16	-1,5 FT	0,84-	11,0:1	23	8675XX	-	1,M	C4228-051	034EC21152	-
KE253M87	87,00	1,00	39,16	-1,5 FT	0,84-	11,0:1	23	8700XX	-	1,M	C4228-051	034EC21152	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B7700H(HX/0,25)	-	-	117-4XU10	117-6101	-
KING	CR4602XP	-	-			

XU10J4RS as in 306/306RS S16

OEM Engine details 2,0 Ltr 16V | Engine code:XU10J4RS | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:10,8:1 | • Head cc's:37,20 | • Gasket thickness:1,10 | • Rod Length:158,00

Bore:86,00 | • Stroke:86,00 | • Block Ht:235,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE256M86	86,00	Std.	34,00	-22,5	0	8,5:1	22	8600XX	359	1,M,R	C4520-045	-	-
KE256M8625	86,25	0,25	34,00	-22,5	0	8,5:1	22	8625XX	361	1,M,R	C4520-045	-	-
KE256M865	86,50	0,50	34,00	-22,5	0	8,5:1	22	8650XX	363	1,M,R	C4520-045	-	-
KE256M8675	86,75	0,75	34,00	-22,5	0	8,5:1	22	8675XX	365	1,M,R	C4521-045	-	-
KE256M87	87,00	1,00	34,00	-22,5	0	8,5:1	22	8700XX	369	1,M,R	C4521-045	-	-
KE252M86	86,00	Std.	34,00	-2,5 FT	0	11,5:1	20	8600XX	393	1,M,R	C4520-045	R-CIT-002-I	-
KE252M8625	86,25	0,25	34,00	-2,5 FT	0	11,5:1	20	8625XX	394	1,M,R	C4520-045	R-CIT-002-I	-
KE252M865	86,50	0,50	34,00	-2,5 FT	0	11,5:1	20	8650XX	396	1,M,R	C4520-045	R-CIT-002-I	-
KE252M8675	86,75	0,75	34,00	-2,5 FT	0	11,5:1	20	8675XX	398	1,M,R	C4521-045	R-CIT-002-I	-
KE252M87	87,00	1,00	34,00	-2,5 FT	0	11,5:1	20	8700XX	401	1,M,R	C4521-045	R-CIT-002-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B7700H(HX/0,25)	-	-	117-4XU10	-	-
KING	CR4602XP	-	-			

ES9J4S as in 406/607 & C5/C8

OEM Engine details 3,0 Ltr 24V | Engine code:ES9J4S | • Displacement:2946 cc | • Valves:24 | • Comp. Ratio:10,9:1 | • Head cc's:45,00 | • Gasket thickness:0,74 | • Rod Length:154,00

Bore:87,00 | • Stroke:82,60 | • Block Ht:228,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE270M87	87,00	Std.	32,64	-16,3	0,06-	8,5:1	22	8700XX	327	1,M,F	-	-	-
KE270M8725	87,25	0,25	32,64	-16,3	0,06-	8,5:1	22	8725XX	335	1,M,F	-	-	-
KE270M875	87,50	0,50	32,64	-16,3	0,06-	8,5:1	22	8750XX	338	1,M,F	-	-	-
KE271M87	87,00	Std.	32,64	-1,2 FT	0,06-	10,9:1	22	8700XX	358	1,M,F	-	-	-
KE271M8725	87,25	0,25	32,64	-1,2 FT	0,06-	10,9:1	22	8725XX	360	1,M,F	-	-	-
KE271M875	87,50	0,50	32,64	-1,2 FT	0,06-	10,9:1	22	8750XX	366	1,M,F	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

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COMPLEMENTARY PARTS

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Renault PISTONS

COMPLEMENTARY PARTS

R5

OEM Engine details 1,4 Ltr 8V | Engine code:840-730 | • Displacement:1397 cc | • Valves:8 | • Comp. Ratio:7,0:1 | • Head cc's:N/A | • Gasket thickness:1,92 | • Rod Length:128,00

Bore:76,00 | • Stroke:77,00 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
312443	76,00	Std,	35,60	6,0	-	7,0:1	20	XC7600	282	M,R,T	RN1004-071	RE-R5-S-65039S-00(4x)	-
312444	77,00	1,00	35,60	6,0	-	7,0:1	20	XC7700	289	M,R,T	RN1004-071	RE-R5-S-65039S-00(4x)	-
312445	78,00	2,00	35,60	6,0	-	7,0:1	20	XC7800	299	M,R,T	RN1006-071	RE-R5-S-65039S-00(4x)	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B7906H(HX/0,025/0,25)	5M7909H(HX/0,025/0,25)	-	-	216-6302	-
KING	-	-	-			

F7P as in Clio 1.8 16v

OEM Engine details 1,8 Ltr 16V | Engine code:F7P | • Displacement:1764 cc | • Valves:16 | • Comp. Ratio:10,0:1 | • Head cc's:45,00 | • Gasket thickness:1,27 | • Rod Length:144,00

Bore:82,00 | • Stroke:83,50 | • Block Ht:220,75

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE173M82	82,00	Std.	35,50	-14	0,50	8,0:1	21	8200XX	314	1,M,Q	C4539-051/338247R	037DZ16144 / R-REN-001-I	C-REN-001UL
KE173M825	82,50	0,50	35,50	-14	0,50	8,0:1	21	8250XX	318	1,M,Q	C4539-051/338247R	037DZ16144 / R-REN-001-I	C-REN-001UL
KE173M83	83,00	1,00	35,50	-14	0,50	8,0:1	21	8300XX	325	1,M,Q	C4539-051/338247R	037DZ16144 / R-REN-001-I	C-REN-001UL
KE172M82	82,00	Std.	35,50	0 FT	0,50	10,0:1	21	8200XX	349	1,M,R	C4539-051/338247R	037DZ16144 / R-REN-001-I	C-REN-001UL
KE172M825	82,50	0,50	35,50	0 FT	0,50	10,0:1	21	8250XX	356	1,M,R	C4539-051/338247R	037DZ16144 / R-REN-001-I	C-REN-001UL
KE172M83	83,00	1,00	35,50	0 FT	0,50	10,0:1	21	8300XX	362	1,R	C4539-051/338247R	037DZ16144 / R-REN-001-I	C-REN-001UL
KE172M835	83,50	1,50	35,50	0 FT	0,50	10,0:1	21	8350XX	369	1,R	C4540-051/338248R	037DZ16144 / R-REN-001-I	C-REN-001UL
KE174M82	82,00	Std.	35,50	10	0,50	12,3:1	21	8200XX	401	1,M,R	C4539-051/338247R	037DZ16144 / R-REN-001-I	C-REN-001UL
KE174M825	82,50	0,50	35,50	10	0,50	12,3:1	21	8250XX	362	1,M,R	C4539-051/338247R	037DZ16144 / R-REN-001-I	C-REN-001UL
KE174M83	83,00	1,00	35,50	10	0,50	12,3:1	21	8300XX	414	1,M,R	C4539-051/338247R	037DZ16144 / R-REN-001-I	C-REN-001UL
For 73,00 mm stroker crank long rod 1600 cc conversion													
KE232M84	84,00	2,00	27,00	8,3	1,75	10,5:1	21	8400XX	265	1,M	C4540-051/338248R	043DQ16159	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
312449	82,00	Std.	35,50	-11	0,50	8,3:1	21	JG1004-3228	307	M,S,T	RN1002-051	037DZ16144 / R-REN-001-I	C-REN-001UL
312450	82,50	0,50	35,50	-11,5	0,50	8,3:1	21	JG1004-3250	312	M,S,T	RN1002-051	037DZ16144 / R-REN-001-I	C-REN-001UL
312451	83,00	1,00	35,50	-12	0,50	8,3:1	21	JG1004-3268	314	M,S,T	RN1002-051	037DZ16144 / R-REN-001-I	C-REN-001UL
349865C	83,00	0,50	35,50	-4	0,50	9,5:1	21	JG1001-3250	328	M,S,T	RN1002-051	037DZ16144 / R-REN-001-I	C-REN-001UL
328421C	82,50	0,50	35,50	0	0,50	10,0:1	21	JG1001-3250	326	M,S,T	RN1002-051	037DZ16144 / R-REN-001-I	C-REN-001UL

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B7820H(HX/0,25/0,50)	5M7807H(HX/0,25/0,50)	1T7807	-	216-6301	-
KING	CR4019XP	MB5180XP	-			

F4R as in Clio RS2

OEM Engine details 2,0 Ltr 16V | Engine code:F4R(730/732) | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:11,5:1 | • Head cc's:41,00 | • Gasket thickness:0,70 | • Rod Length:144,00

Bore:82,70 | • Stroke:93,00 | • Block Ht:220,75

C/R with 1,00mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
320532C	83,00	0,30	30,25	-12	0	9,5:1	21	JG1001-3268	292	M	C4518-040	037DZ16144 / R-REN-001-I	C-REN-001UL
320532C-83,5	83,50	0,80	30,25	-12	0	9,5:1	21	JG1001-3287	297	M	C4519-040	037DZ16144 / R-REN-001-I	C-REN-001UL
371089C	84,00	1,30	30,25	-12	0	9,5:1	21	JG1001-3307	305	M	C4519-040	037DZ16144 / R-REN-001-I	C-REN-001UL
313072C	83,00	0,30	30,25	-2,1	0	11,3:1	21	JG1001-3268	302	M	C4518-040	037DZ16144 / R-REN-001-I	C-REN-001UL
301071C	83,50	0,80	30,25	-2,1	0	11,3:1	21	JG1001-3287	308	M	C4519-040	037DZ16144 / R-REN-001-I	C-REN-001UL
301071C-84	84,00	1,30	30,25	-2,1	0	11,3:1	21	JG1001-3307	314	M	C4519-040	037DZ16144 / R-REN-001-I	C-REN-001UL
312453	82,70	Std.	30,20	4,8	0,05-	12,9:1	21	JG1004-3268	310	A,PS,S	C4518-040	037DZ16144 / R-REN-001-I	C-REN-001UL
312454	83,00	0,30	30,20	4,8	0,05-	12,9:1	21	JG1004-3268	311	PS,S	C4519-040	037DZ16144 / R-REN-001-I	C-REN-001UL
312455	84,00	1,30	30,20	4,8	0,05-	12,9:1	21	JG1004-3307	319	PS,M,S	C4519-040	037DZ16144 / R-REN-001-I	C-REN-001UL

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B7820H(HX/0,25/0,50)	5M7807H(HX/0,25/0,50)	1T7807	216-4301	216-6301	216-5401
KING	-	-	-			

F4R as in Clio RS3

OEM Engine details 2,0 Ltr 16V | Engine code:F4R(830/832) | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:11,0:1 | • Head cc's:45,00 | • Gasket thickness:0,70 | • Rod Length:144,00

Bore:82,70 | • Stroke:93,00 | • Block Ht:220,75

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
338662C	82,70	Std.	30,20	9,8	0,05-	12,7:1	21	JG1001-3268	308	A,M,F	C4518-027	037DZ16144 / R-REN-001-I	C-REN-001UL
358781C	83,00	0,30	30,20	9,8	0,05-	12,7:1	21	JG1001-3268	-	M,F	C4518-027	037DZ16144 / R-REN-001-I	C-REN-001UL
341261C	83,50	0,80	30,20	9,8	0,05-	12,7:1	21	JG1001-3287	316	M,F	C4519-027	037DZ16144 / R-REN-001-I	C-REN-001UL

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B7820H(HX/0,25/0,50) *	5M7807H(HX/0,25/0,50)	1T7807	216-4301	216-6301	216-5401
KING	-	-	-			

* Note:bearings have a notch!

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

Renault PISTONS

COMPLEMENTARY PARTS

F7R as in Clio Williams

OEM Engine details 2,0 Ltr 16V | Engine code:F7R | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:10,0:1 | • Head cc's:45,00 | • Gasket thickness:1,25 | • Rod Length:144,00

Bore:82,70 | • Stroke:93,00 | • Block Ht:220,75

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE178M83	83,00	0,30	30,70	-17	0,45	8,5:1	21	8300XX	286	1,F,M,Q	C4539-051/338247R	037DZ16144 / R-REN-001-I	C-REN-001UL
KE178M835	83,50	0,80	30,70	-17	0,45	8,5:1	21	8350XX	290	1,F,M,Q	C4540-051/338248R	037DZ16144 / R-REN-001-I	C-REN-001UL
KE178M84	84,00	1,30	30,70	-17	0,45	8,5:1	21	8400XX	294	1,F,M,Q	C4540-051/338248R	037DZ16144 / R-REN-001-I	C-REN-001UL
KE179M83	83,00	0,30	30,70	1	0,45	11,5:1	21	8300XX	315	1,F,M,Q	C4539-051/338247R	037DZ16144 / R-REN-001-I	C-REN-001UL
KE179M835	83,50	0,80	30,70	1	0,45	11,5:1	21	8350XX	323	1,F,M,Q	C4540-051/338248R	037DZ16144 / R-REN-001-I	C-REN-001UL
KE179M84	84,00	1,30	30,70	1	0,45	11,5:1	21	8400XX	293	1,F,M,Q	C4540-051/338248R	037DZ16144 / R-REN-001-I	C-REN-001UL
KE180M83	83,00	0,30	30,70	6,5	0,45	12,5:1	21	8300XX	316	1,F,M,Q	C4539-051/338247R	037DZ16144 / R-REN-001-I	C-REN-001UL
KE180M835	83,50	0,80	30,70	6,5	0,45	12,5:1	21	8350XX	320	1,F,M,Q	C4540-051/338248R	037DZ16144 / R-REN-001-I	C-REN-001UL
KE180M84	84,00	1,30	30,70	6,5	0,45	12,5:1	21	8400XX	302	1,F,M,Q	C4540-051/338248R	037DZ16144 / R-REN-001-I	C-REN-001UL

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
312440	82,70	Std.	30,70	-15	0,45	8,5:1	21	JG1004-3268	290	A,M,PS,S,T	C4539-051/338247R	037DZ16144 / R-REN-001-I	C-REN-001UL
312441	83,00	0,30	30,70	-15	0,45	8,5:1	21	JG1004-3268	292	M,PS,S,T	C4539-051/338247R	037DZ16144 / R-REN-001-I	C-REN-001UL
312442	84,00	1,30	30,70	-15	0,45	8,5:1	21	JG1004-3307	302	M,PS,S,T	C4540-051/338248R	037DZ16144 / R-REN-001-I	C-REN-001UL
312457	82,70	Std.	30,70	4,5	0,45	12,5:1	21	JG1004-3268	313	PS,A,M,S	C4539-051/338247R	037DZ16144 / R-REN-001-I	C-REN-001UL
312458	83,00	0,30	30,70	4,5	0,45	12,5:1	21	JG1004-3268	316	PS,M,S	C4539-051/338247R	037DZ16144 / R-REN-001-I	C-REN-001UL
312459	84,00	1,30	30,70	4,5	0,45	12,5:1	21	JG1004-3307	323	PS,M,S	C4540-051/338248R	037DZ16144 / R-REN-001-I	C-REN-001UL

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B7820H(HX/0,25/0,50)	5M7807H(HX/0,25/0,50)	1T7807	-	216-6301	-
KING	CR4019XP	MB5180XP	-			

F7RR as in Clio/Megane Maxi

OEM Engine details 2,0 Ltr 16V | Engine code:F7RR | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:N/A | • Head cc's:N/A | • Gasket thickness:N/A | • Rod Length:150,00

Bore:84,00 | • Stroke:90,00 | • Block Ht:N/A

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
312438	84,00	Std.	25,00	11,8	-	12,7:1	18	JG1004-3307	289	M,S	C4540-051/338248R	-	-
312489	84,50	0,50	25,00	11,8	-	12,7:1	18	JG1004-3327	292	M,S	C4540-051/338248R	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B7820H(HX/0,25/0,50)	5M7807H(HX/0,25/0,50)	1T7807	-	-	-
KING	CR4019XP	MB5180XP	-			

Saab

B201/BZ20 as in 9000

OEM Engine details 2,0 Ltr 8V | Engine code:B20/BZ20 | • Displacement:1985 cc | • Valves:8 | • Comp. Ratio:7,2:1 | • Head cc's:N/A | • Gasket thickness:1,40 | • Rod Length:134,00

Bore:90,00 | • Stroke:78,00 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE182M90	90,00	Std.	40,00	-8	-	8,5:1	24	9000XX	447	1,M	-	-	-
KE182M9025	90,25	0,25	40,00	-8	-	8,5:1	24	9025XX	448	1,M	-	-	-
KE182M905	90,50	0,50	40,00	-8	-	8,5:1	24	9050XX	450	1,M	-	-	-
KE182M91	91,00	1,00	40,00	-8	-	8,5:1	24	9100XX	464	1,M	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

B202L/B202S/B204/B206 as in 9000

OEM Engine details 2,0 Ltr 16V | Engine code:B202L/B202S/B204/B206 • Displ.:1985 cc | • Valves:16 | • Comp. Ratio:9,5:1/10,0:1 | • Head cc's: 46,00 | • Gasket thickness:1,30 | • Rod Length:153,00

Bore:90,00 | • Stroke:78,00 | • Block Ht:232,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE183M90	90,00	Std.	40,30	-12,5	0,30	8,0 :1	24	9000XX	453	1,M,R	C4974-051	-	-
KE183M9025	90,25	0,25	40,30	-12,5	0,30	8,0 :1	24	9025XX	453	1,M,R	C4974-051	-	-
KE183M905	90,50	0,50	40,30	-12,5	0,30	8,0 :1	24	9050XX	455	1,R	C4974-051	-	-
KE183M91	91,00	1,00	40,30	-12,5	0,30	8,0 :1	24	9100XX	462	1,M,R	C4974-051	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B2010H(0,25)	5M2105H(0,25)	-	-	-	-
KING	CR4599XP	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Saab PISTONS

COMPLEMENTARY PARTS

A20NHT/A20NFT as in 9-3 / 9-5

OEM Engine details 2,0 Ltr 16V | Engine code:A20NHT/A20NFT | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:9,2:1 | • Head cc's:N/A | • Gasket thickness:0,64 | • Rod Length:145,00
Bore:86,00 | • Stroke:86,00 | • Block Ht:220,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K635M86	86,00	Std.	30,85	0	-1,15	9,2:1	23	8600XX	341	1	-	GM-LNF-S-65709S-04	-
K635M865	86,50	0,50	30,85	0	-1,15	9,2:1	23	8650XX	350	1	-	GM-LNF-S-65709S-04	-
K635M88	88,00	2,00	30,85	0	-1,15	9,2:1	23	8800XX	359	1	-	GM-LNF-S-65709S-04	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

B234 as in 9000

OEM Engine details 2,3 Ltr 16V | Engine code:B234 | • Displacement:2290 cc | • Valves:16 | • Comp. Ratio:8,5:1/10,0:1 | • Head cc's: 48,00 | • Gasket thickness:1,30 | • Rod Length:147,00
Bore:90,00 | • Stroke:90,00 | • Block Ht:232,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE183M90	90,00	Std.	40,30	-12,5	0,30	9,0 :1	24	9000XX	453	1,M,R	C4974-051	-	-
KE183M9025	90,25	0,25	40,30	-12,5	0,30	9,0 :1	24	9025XX	453	1,M,R	C4974-051	-	-
KE183M905	90,50	0,50	40,30	-12,5	0,30	9,0 :1	24	9050XX	455	1,R	C4974-051	-	-
KE183M91	91,00	1,00	40,30	-12,5	0,30	9,0 :1	24	9100XX	462	1,M,R	C4974-051	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B2010H(0,25)	5M2105H(0,25)	-	-	-	-
KING	CR4599XP	-	-			

B235E/B235R as in 9000/9-5

OEM Engine details 2,3 Ltr 16V | Engine code:B235E/B235R | • Displacement:2290 cc | • Valves:16 | • Comp. Ratio:9,3:1 | • Head cc's:N/A | • Gasket thickness:0,50 | • Rod Length:153,00
Bore:90,00 | • Stroke:90,00 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE184M90	90,00	Std.	32,90	-18	-	8,5:1	24	9000XX	385	1,M	C4973-027	-	-
KE184M9025	90,25	0,25	32,90	-18	-	8,5:1	24	9025XX	390	1,M	C4973-027	-	-
KE184M905	90,50	0,50	32,90	-18	-	8,5:1	24	9050XX	398	1,M	C4973-027	-	-
KE184M91	91,00	1,00	32,90	-18	-	8,5:1	24	9100XX	404	1,M	C4973-027	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B2010H(0,25)	5M2105H(0,25)	-	-	-	-
KING	CR4599XP	-	-			

B234i as in 900/9000

OEM Engine details 2,3 Ltr 16V | Engine code:B234I | • Displacement:2290 cc | • Valves:16 | • Comp. Ratio:10,5:1 | • Head cc's:N/A | • Gasket thickness:1,30 | • Rod Length:153,00
Bore:90,00 | • Stroke:90,00 | • Block Ht:232,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE185M90	90,00	Std.	34,30	-	0,30	8,5:1	24	9000XX	-	1,M	C4974-051	-	-
KE185M9025	90,25	0,25	34,30	-	0,30	8,5:1	24	9025XX	-	1,M	C4974-051	-	-
KE185M905	90,50	0,50	34,30	-	0,30	8,5:1	24	9050XX	-	1,M	C4974-051	-	-
KE185M91	91,00	1,00	34,30	-	0,30	8,5:1	24	9100XX	-	1,M	C4974-051	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B2010H(0,25)	5M2105H(0,25)	-	-	-	-
KING	CR4599XP	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Subaru PISTONS

COMPLEMENTARY PARTS

EJ20 as in Impreza WRX Oct '98 and older

OEM Engine details 2,0 Ltr 16V DOHC Engine code:EJ20G/EJ20K • Displacement:1994 cc • Valves:16 • Comp. Ratio:8,0:1 • Head cc's:49,00 • Gasket thickness:1,37 • Rod Length:130,50
Bore:92,00 • Stroke:75,00 • Block Ht:201,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K576M925	92,50	0,50	33,32	-17,8	0,30	8,0:1	23	9250TX	350	1,2,R	W6174(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
K576M93	93,00	1,00	33,32	-17,8	0,30	8,0:1	23	9300TX	356	1,2,M,R	W6174(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
For 79,00 mm stroker crank and long rod 131,60 mm													
K579M925	92,50	0,50	30,00	-17,8	0,10	8,5:1	23	9250TX	339	1,6,R	W6174(2x)	039DD21132	039ADD750
K579M93	93,00	1,00	30,00	-17,8	0,10	8,5:1	23	9300TX	348	1,6,M,R	W6174(2x)	039DD21132	039ADD750

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
312461	92,00	Std.	33,40	-17,8	0,38	8,0:1	23	JC9004-3622	362	M,R	C4261-040(2x)/SB1000-039(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
312462C	92,50	0,50	33,40	-17,8	0,38	8,0:1	23	J91204-3642	369	M,R	C4261-040(2x)/SB1000-039(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
312463	93,00	1,00	33,40	-17,8	0,38	8,0:1	23	JG1004-3661	376	M,R	C4261-040(2x)/SB1000-039(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8320H(HX/0,025/0,25/0,50) (48mm journal)	5M8297H(HX/0,025/0,25/0,50) (Thrust in pos. 3)	-	260-4701	260-6301	-
	4B8296H(HX/0,025/0,25/0,50)(52mm journal)	5M8309H(HX/0,025/0,25/0,50) (Thrust in pos. 5)	-			
KING	CR4280XP (48mm journal)	MB5220XP (Flange position 3)	-			
	CR4125XPG (52mm journal)	MB5382XPG (Flange position 5)	-			
	CR4125XPGC (52mm journal)	MB5382XPGC (Flange position 5)	-			
	-	MB5739XPG (Housing bore +.002")	-			
	-	MB5740XPG (Housing bore +.005")	-			

EJ20 as in Impreza WRX Oct '98 and newer (STI)

OEM Engine details 2,0 Ltr 16V DOHC Engine code:EJ205/EJ207 • Displacement:1994 cc • Valves:16 • Comp. Ratio:8,0:1 • Head cc's:48,00 • Gasket thickness:0,70 • Rod Length:130,50
Bore:92,00 • Stroke:75,00 • Block Ht:201,00

C/R with 1,37 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K588M92AP	92,00	Std.	32,66	-9	0,35-	8,25:1	23	9200TX	375	1,R	W6174(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
K588M925AP	92,50	0,50	32,66	-9	0,35-	8,3:1	23	9250TX	380	1,R	W6174(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
K588M93AP	93,00	1,00	32,66	-9	0,35-	8,35:1	23	9300TX	385	1,R	W6174(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
205090	92,00	Std.	32,70	-11,8	0,31-	8,5:1	23	JC9004-3622	364	PS,R,T	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
314437	92,00	Std.	32,70	-11	0,31-	8,5:1	23	JG1004-3622	359	F,PS,T	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
226378	92,50	0,50	32,70	-11,8	0,31-	8,5:1	23	JC2404-3642	371	M,PS,R,T	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
314438	92,50	0,50	32,70	-11,7	0,31-	8,5:1	23	JG1004-3642	363	F,PS,T	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
300976C	93,00	1,00	32,70	-11,8	0,31-	8,5:1	23	JG1001-3361	378	M,R,T	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
314439	93,00	1,00	32,70	-12,4	0,31-	8,5:1	23	JG1004-3661	367	F,M,PS,T	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
361318	92,00	Std.	32,70	-11	0,31-	8,5:1	23	JG1004-3622	360	F,PS,UL	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
361319	92,50	0,50	32,70	-11,7	0,31-	8,5:1	23	JG1004-3642	364	F,PS,UL	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
361320	93,00	1,00	32,70	-12,4	0,31-	8,5:1	23	JG1004-3661	368	F,PS,UL	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
314440	92,00	Std.	32,70	-3,2	0,31-	9,5:1	23	JG1004-3622	379	F,PS,T	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
314441	92,50	0,50	32,70	-3,8	0,31-	9,5:1	23	JG1004-3642	382	F,PS,T	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
314442	93,00	1,00	32,70	-4,4	0,31-	9,5:1	23	JG1004-3661	385	F,M,PS,T	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
361321	92,00	STD	32,70	-3,2	0,31-	9,5:1	23	JG1004-3622	380	F,PS,UL	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
361322	92,50	0,50	32,70	-3,8	0,31-	9,5:1	23	JG1004-3642	383	F,PS,UL	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
361323	93,00	1,00	32,70	-4,4	0,31-	9,5:1	23	JG1004-3661	386	F,PS,UL	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
For 79,00 mm stroker crank													
314446	92,00	Std.	30,70	-14,6	0,31-	8,5:1	23	JG1004-3622	350	F,M,PS,T	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
314447	92,50	0,50	30,70	-15,3	0,31-	8,5:1	23	JG1004-3642	353	F,M,PS,T	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
314448	93,00	1,00	30,70	-16	0,31-	8,5:1	23	JG1004-3661	356	F,M,PS,T	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
361324	92,00	STD	30,70	-14,6	0,31-	8,5:1	23	JG1004-3622	351	F,PS,UL	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
361325	92,50	0,50	30,70	-15,3	0,31-	8,5:1	23	JG1004-3642	354	F,PS,UL	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
361326	93,00	1,00	30,70	-16	0,31-	8,5:1	23	JG1004-3661	357	F,PS,UL	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
314449	92,00	Std.	30,70	-6,4	0,31-	9,5:1	23	JG1004-3622	338	F,M,PS,T	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
314450	92,50	0,50	30,70	-7	0,31-	9,5:1	23	JG1004-3642	341	F,M,PS,T	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
314451	93,00	1,00	30,70	-7,5	0,31-	9,5:1	23	JG1004-3661	344	F,M,PS,T	C4261-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8320H(HX/0,025/0,25/0,50) (48mm journal)	5M8297H(HX/0,025/0,25/0,50) (Thrust in pos. 3)	-	260-4701	260-6301	-
	4B8296H(HX/0,025/0,25/0,50)(52mm journal)	5M8309H(HX/0,025/0,25/0,50) (Thrust in pos. 5)	-			
KING	CR4280XP (48mm journal)	MB5220XP (Flange position 3)	-			
	CR4125XPG (52mm journal)	MB5382XPG (Flange position 5)	-			
	CR4125XPGC (52mm journal)	MB5382XPGC (Flange position 5)	-			
	-	MB5739XPG (Housing bore +.002")	-			
	-	MB5740XPG (Housing bore +.005")	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

Subaru PISTONS

COMPLEMENTARY PARTS

FA20 as in BRZ

OEM Engine details 2,0 Ltr 16V | Engine code:FA20 | Bore:86,00 | • Displacement: 1998 cc | • Stroke:86,00 | • Valves:16 | • Block Ht:205,00 | • Comp. Ratio:12,5:1 | • Head cc's:39,00 | • Gasket thickness:0,50 | • Rod Length:129,30

C/R with 0,66 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
315114	86,00	Std.	32,76	-16,4	0,06	9,5:1	22	JG1004-3386	325	F,PS,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
359150	86,25	0,25	32,76	-16,7	0,06	9,5:1	22	JG1004-3396	319	F,M,PS,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
315115	86,50	0,50	32,76	-17	0,06	9,5:1	22	JG1004-3405	321	F,PS,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
315116	87,00	1,00	32,76	-17,7	0,06	9,5:1	22	JG1004-3425	322	F,M,PS,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
315117	86,00	Std.	32,76	-10,2	0,06	10,5:1	22	JG1004-3386	312	F,PS,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
367898	86,00	Std.	32,75	-10,2	0,05	10,5:1	22	JG1004-3386	-	F,UL,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
359151	86,25	0,25	32,76	-10,5	0,06	10,5:1	22	JG1004-3396	318	F,M,PS,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
367899	86,25	0,25	32,75	-10,5	0,05	10,5:1	22	JG1004-3396	-	F,UL,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
315118	86,50	0,50	32,76	-10,7	0,06	10,5:1	22	JG1004-3405	318	F,PS,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
367900	86,50	0,50	32,75	-10,7	0,05	10,5:1	22	JG1004-3405	-	F,UL,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
315119	87,00	1,00	32,76	-11,3	0,06	10,5:1	22	JG1004-3425	321	F,M,PS,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
367901	87,00	1,00	32,75	-11,3	0,05	10,5:1	22	JG1004-3425	-	F,UL,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
359152	86,00	Std.	32,76	-1,0	0,06	12,5:1	22	JG1004-3386	317	F,PS,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6W-04	-
359153	86,25	0,25	32,76	-1,3	0,06	12,5:1	22	JG1004-3396	321	F,PS,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6W-04	-
359154	86,50	0,50	32,76	-1,5	0,06	12,5:1	22	JG1004-3405	322	F,PS,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6W-04	-
359155	87,00	1,00	32,76	-2,0	0,06	12,5:1	22	JG1004-3425	330	F,M,PS,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6W-04	-
315120	86,00	Std.	32,76	2,5	0,06	13,5:1	22	JG1004-3386	315	F,PS,V	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6W-04	-
359156	86,25	0,25	32,76	2,2	0,06	13,5:1	22	JG1004-3396	317	F,PS,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6W-04	-
315121	86,50	0,50	32,76	2	0,06	13,5:1	22	JG1004-3405	317	F,PS,V	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6W-04	-
315122	87,00	1,00	32,76	1,6	0,06	13,5:1	22	JG1004-3425	322	F,M,PS,V	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6W-04	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8310H(HX/0,025/0,25)	5M8312H(HX/0,025/0,25)	-	260-4301	260-6303	-
KING	CR4616XPG	5M8312HOS2/OS5(+.002"/+.005"OD)	MB5745XPG			
	CR4616XPGC	-	MB5745XPGC			

NEW!! FA20DIT as in BRZ

OEM Engine details 2,0 Ltr 16V | Engine code:FA20DIT/E/F | Bore:86,00 | • Displacement: 1998 cc | • Stroke:86,00 | • Valves:16 | • Block Ht:205,00 | • Comp. Ratio:10,0:1 | • Head cc's:38,60 | • Gasket thickness:0,50 | • Rod Length:129,30

C/R with 0,66 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
361314	86,00	Std.	32,70	-13,2	0,06	10.0:1	22	JG1004-3386	324	F,PS,UL	338490R(Left) / 338489R(Right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
367898	86,00	Std.	32,75	-10,2	0,05	10,5:1	22	JG1004-3386	-	F,UL,T	338490R(Left) / 338489R(Right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
361315	86,25	0,25	32,70	-13,5	0,06	10.0:1	22	JG1004-3396	324	F,PS,UL	338490R(Left) / 338489R(Right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
367899	86,25	0,25	32,75	-10,5	0,05	10,5:1	22	JG1004-3396	-	F,UL,T	338490R(Left) / 338489R(Right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
361316	86,50	0,50	32,70	-13,8	0,06	10.0:1	22	JG1004-3405	325	F,PS,UL	338490R(Left) / 338489R(Right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
367900	86,50	0,50	32,75	-10,7	0,05	10,5:1	22	JG1004-3405	-	F,UL,T	338490R(Left) / 338489R(Right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
361317	87,00	1,00	32,70	-14,4	0,06	10.0:1	22	JG1004-3425	327	F,PS,UL	338490R(Left) / 338489R(Right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
367901	87,00	1,00	32,75	-11,3	0,05	10,5:1	22	JG1004-3425	-	F,UL,T	338490R(Left) / 338489R(Right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
359157	86,00	Std.	32,70	-13,2	0,06	10.0:1	22	JG1004-3386	323	F,PS,T	338490R(Left) / 338489R(Right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
359158	86,25	0,25	32,70	-13,5	0,06	10.0:1	22	JG1004-3396	323	F,PS,T	338490R(Left) / 338489R(Right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
359159	86,50	0,50	32,70	-13,8	0,06	10.0:1	22	JG1004-3405	325	F,PS,T	338490R(Left) / 338489R(Right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
359160	87,00	1,00	32,70	-14,4	0,06	10.0:1	22	JG1004-3425	327	F,M,PS,T	338490R(Left) / 338489R(Right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
359188	86,00	Std.	32,70	-9,7	0,06	10.6:1	22	JG1004-3386	331	F,PS,T	338490R(Left) / 338489R(Right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
359189	86,25	0,25	32,70	-10	0,06	10.6:1	22	JG1004-3396	332	F,PS,T	338490R(Left) / 338489R(Right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
359190	86,50	0,50	32,70	-10,3	0,06	10.6:1	22	JG1004-3405	334	F,PS,T	338490R(Left) / 338489R(Right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
359191	87,00	1,00	32,70	-10,8	0,06	10.6:1	22	JG1004-3425	337	F,M,PS,T	338490R(Left) / 338489R(Right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8310H(HX/0,025/0,25)	5M8312H(HX/0,025/0,25)	-	206-4301	260-6303	-
KING	CR4616XPG	5M8312HOS2/OS5(+.002"/+.005"OD)	MB5745XPG			
	CR4616XPGC	-	MB5745XPGC			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Subaru PISTONS

EJ22 as in Legacy

OEM Engine details 2,2 Ltr 16V | Engine code:EJ22ET | • Displacement:2212 cc | • Valves:16 | • Comp. Ratio:8,0:1 | • Head cc's:46,60 | • Gasket thickness:1,30 | • Rod Length:130,50

Bore:97,00 | • Stroke:75,00 | • Block Ht:201,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K601M975	97,50	0,50	33,25	-20	0,30	8,5:1	23	9750VF	358	1,2	W6432(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
K601M98	98,00	1,00	33,25	-20	0,30	8,5:1	23	9800VF	366	1,2,M	W6432(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
For 79,00 mm stroker crank and long rod 131,60 mm													
K602M975	97,50	0,50	30,25	-24	0,35	8,5:1	23	9750VF	358	1,2	W6432(2x)	039DD21132	039ADD790 / C-SUB-002UL
K602M98	98,00	1,00	30,25	-24	0,35	8,5:1	23	9800VF	366	1,2,M	W6432(2x)	039DD21132	039ADD790 / C-SUB-002UL

C/R with 1,37 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
314350	97,00	Std.	32,70	-14,7	0,25-	8,5:1	23	XH9700	410	I,M,PS,R,T	C4263-051(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
314351	97,50	0,50	32,70	-15,4	0,25-	8,5:1	23	XH9750	414	M,PS,R,T	C4263-051(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL
314352	98,00	1,00	32,70	-16	0,25-	8,5:1	23	XH9800	418	M,PS,R,T	C4263-051(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD750 / C-SUB-001UL

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8320H(HX/0,025/0,25/0,50) (48mm journal)	5M8297H(HX/0,025/0,25/0,50) (Thrust in pos. 3)	-	260-4701	260-6301 (For Std stroke rods)	-
	4B8296H(HX/0,025/0,25/0,50)(52mm journal)	5M8309H(HX/0,025/0,25/0,50) (Thrust in pos. 5)	-			
	-	5M8309HOS2/OS5(+.002"/+.005"OD) (Thrust in pos. 5)				
KING	CR4280XP (48mm journal)	MB5220XP (Flange position 3)	-			
	CR4125XPG (52mm journal)	MB5382XPG (Flange position 5)	-			
	CR4125XPGC (52mm journal)	MB5382XPGC (Flange position 5)	-			
	-	MB5739XPG (Housing bore +.002")	-			
	-	MB5740XPG (Housing bore +.005")	-			

EJ25 SOHC as in Forester/Legacy/Impreza

OEM Engine details 2,5 Ltr 16V SOHC | Engine code:EJ25 SOHC | • Displacement:2457 cc | • Valves:16 | • Comp. Ratio:8,0:1 | • Head cc's:50,00 | • Gasket thickness:1,37 | • Rod Length:131,60

Bore:99,50 | • Stroke:79,00 | • Block Ht:201,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K600M995	99,50	Std.	29,50	-18	0,40-	8,5:1	23	9950VF	366	1,M	W6320(2x)	039DD21132	039ADD790 / C-SUB-002UL
K600M9975	99,75	0,25	29,50	-18	0,40-	8,5:1	23	9975VF	370	1,M	W6320(2x)	039DD21132	039ADD790 / C-SUB-002UL
K600M100	100,00	0,50	29,50	-18	0,40-	8,5:1	23	10000VF	371	1,M	W6320(2x)	039DD21132	039ADD790 / C-SUB-002UL

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
314341	99,50	Std.	29,50	-20,4	0,40-	8,5:1	23	JC3104-3917	383	F,M,PS,T	C4578-040(2x)	039DD21132	039ADD790 / C-SUB-002UL
314342	99,75	0,25	29,50	-20,8	0,40-	8,5:1	23	JC4404-3928	386	F,M,PS,T	C4578-040(2x)	039DD21132	039ADD790 / C-SUB-002UL
314343	100,00	0,50	29,50	-21,2	0,40-	8,5:1	23	JC4404-3938	388	F,M,PS,T	C4578-040(2x)	039DD21132	039ADD790 / C-SUB-002UL
314344	99,50	Std.	29,50	3,0	0,40-	11,5:1	23	JC3104-3917	412	I,M,PS,R,V	C4578-040(2x)	039DD21132	039ADD790 / C-SUB-002UL
314345	99,75	0,25	29,50	2,7	0,40-	11,5:1	23	JC4404-3928	410	I,M,PS,R,V	C4578-040(2x)	039DD21132	039ADD790 / C-SUB-002UL
314346	100,00	0,50	29,50	2,5	0,40-	11,5:1	23	JC4404-3938	412	I,M,PS,R,V	C4578-040(2x)	039DD21132	039ADD790 / C-SUB-002UL

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8320H(HX/0,025/0,25/0,50) (48mm journal)	5M8297H(HX/0,025/0,25/0,50) (Thrust in pos. 3)	-	260-4702	260-6302	-
	4B8296H(HX/0,025/0,25/0,50)(52mm journal)	5M8309H(HX/0,025/0,25/0,50) (Thrust in pos. 5)	-			
	-	5M8309HOS2/OS5(+.002"/+.005"OD) (Thrust in pos. 5)				
KING	CR4280XP (48mm journal)	MB5220XP (Flange position 3)	-			
	CR4125XPG (52mm journal)	MB5382XPG (Flange position 5)	-			
	CR4125XPGC (52mm journal)	MB5382XPGC (Flange position 5)	-			
	-	MB5739XPG (Housing bore +.002")	-			
	-	MB5740XPG (Housing bore +.005")	-			





When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

COMPLEMENTARY PARTS

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

Subaru PISTONS

COMPLEMENTARY PARTS

EJ25 DOHC as in Forester/Legacy/Impreza

OEM Engine details 2,5 Ltr 16V DOHC Engine code:EJ25 DOHC • Displacement:2457 cc • Valves:16 • Comp. Ratio:8,0:1 • Head cc's:46,60 • Gasket thickness:1,37 • Rod Length:131,25
Bore:99,50 • Stroke:79,00 • Block Ht:201,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K599M995	99,50	Std.	30,25	-23	0	8,7:1	23	9950VF	361	1	W6320(2x)	-	039ADD790 / C-SUB-002UL
K599M9975	99,75	0,25	30,25	-23	0	8,7:1	23	9975VF	367	1,M	W6320(2x)	-	039ADD790 / C-SUB-002UL
K599M100	100,00	0,50	30,25	-23	0	8,7:1	23	10000VF	369	1,M	W6320(2x)	-	039ADD790 / C-SUB-002UL

C/R with 1,37 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
314335	99,50	Std.	30,30	-24,4	0,05	8,5:1	23	JC3104-3917	392	F,M,PS,T	C4578-051(2x)	-	039ADD790 / C-SUB-002UL
314336	99,75	0,25	30,30	-24,8	0,05	8,5:1	23	JC4404-3928	395	F,M,PS,T	C4578-051(2x)	-	039ADD790 / C-SUB-002UL
314337	100,00	0,50	30,30	-25,1	0,05	8,5:1	23	JC4404-3938	400	F,M,PS,T	C4578-051(2x)	-	039ADD790 / C-SUB-002UL
314338	99,50	Std.	30,30	-1	0,05	11,5:1	23	JC3104-3917	416	I,M,PS,R,V	C4578-051(2x)	-	039ADD790 / C-SUB-002UL
314339	99,75	0,25	30,30	-1,3	0,05	11,5:1	23	JC4404-3928	420	I,M,PS,R,V	C4578-051(2x)	-	039ADD790 / C-SUB-002UL
314340	100,00	0,50	30,30	-1,5	0,05	11,5:1	23	JC4404-3938	424	I,M,PS,R,V	C4578-051(2x)	-	039ADD790 / C-SUB-002UL

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8320H(HX/0,025/0,25/0,50) (48mm journal)	5M8297H(HX/0,025/0,25/0,50) (Thrust in pos. 3)	-	260-4702	260-6302	-
	4B8296H(HX/0,025/0,25/0,50)(52mm journal)	5M8309H(HX/0,025/0,25/0,50) (Thrust in pos. 5)	-			
	-	5M8309HOS2/OS5(+.002"/+.005"OD) (Thrust in pos. 5)				
KING	CR4280XP (48mm journal)	MB5220XP (Flange position 3)	-			
	CR4125XPG (52mm journal)	MB5382XPG (Flange position 5)	-			
	CR4125XPGC (52mm journal)	MB5382XPGC (Flange position 5)	-			
	-	MB5739XPG (Housing bore +.002")	-			
	-	MB5740XPG (Housing bore +.005")	-			

EJ257 as in Impreza STI/WRX Sti '04 and up

OEM Engine details 2,5 Ltr 16V Engine code:EJ257 • Displacement:2457 cc • Valves:16 • Comp. Ratio:8,0:1 • Head cc's:51,00 • Gasket thickness:0,53 • Rod Length:130,50
Bore:99,50 • Stroke:79,00 • Block Ht:201,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K598M995AP	99,50	Std.	30,70	-19	0,30-	9,0:1	23	9950VF	379	1	C4587-032(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
K598M9975AP	99,75	0,25	30,70	-19	0,30-	9,0:1	23	9975VF	382	1	C4587-032(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
K598M100AP	100,00	0,50	30,70	-19	0,30-	9,0:1	23	10000VF	385	1	C4587-032(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL

C/R calculated with a 57,00cc head

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
361327	99,50	Std.	30,70	-16,5	0,30-	8,5:1	23	JG4904-3917	408	F,PS,UL	C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
361328	99,75	0,25	30,70	-16,9	0,30-	8,5:1	23	JG4904-3927	411	F,PS,UL	C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
361329	100,00	0,50	30,70	-17,3	0,30-	8,5:1	23	JG4904-3937	414	F,PS,UL	C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
291061	99,50	Std.	30,70	-16,5	0,30-	8,5:1	23	JG4904-3917	407	F,PS,T	C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
296348	99,75	0,25	30,70	-16,9	0,30-	8,5:1	23	JG4904-3927	410	F,PS,T	C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
291062	100,00	0,50	30,70	-17,3	0,30-	8,5:1	23	JG4904-3937	413	F,PS,T	C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
310936	99,50	Std.	30,70	-7	0,30-	9,5:1	23	JG4904-3917	423	F,M,PS,V	C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
310937	99,75	0,25	30,70	-7,3	0,30-	9,5:1	23	JG4904-3927	425	F,M,PS,V	C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
310938	100,00	0,50	30,70	-7,6	0,30-	9,5:1	23	JG4904-3937	427	F,M,PS,V	C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
361330	99,50	Std.	30,70	-7	0,30-	9,5:1	23	JG4904-3917	424	F,PS,UL	C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
361331	99,75	0,25	30,70	-7,3	0,30-	9,5:1	23	JG4904-3927	426	F,PS,UL	C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
361332	100,00	0,50	30,70	-7,6	0,30-	9,5:1	23	JG4904-3937	428	F,PS,UL	C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
Billet FSR up to 1200HP incl. 9310 pins													
310927	99,50	Std.	30,70	-14,1	0,30-	8,8:1	23	JC3104-3917	392	F,M,PS,T	C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
286463	100,00	0,50	30,70	-15,1	0,30-	8,8:1	23	JC4404-3938	392	F,PS,M,T	C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
For 83,00 mm stroker crank													
291063	99,50	Std.	28,70	-20,7	0,30-	8,5:1	23	JC3104-3917	398	F,PS,T	C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD830 / C-SUB-003UL
296352	99,75	0,25	28,70	-21,1	0,30-	8,5:1	23	JC4404-3928	401	F,PS,M,V	C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD830 / C-SUB-003UL
291064	100,00	0,50	28,70	-21,5	0,30-	8,5:1	23	JC4404-3938	404	F,PS,T	C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD830 / C-SUB-003UL

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8320H(HX/0,025/0,25/0,50) (48mm journal)	5M8297H(HX/0,025/0,25/0,50) (Thrust in pos. 3)	-	260-4701	260-6302	-
	4B8296H(HX/0,025/0,25/0,50)(52mm journal)	5M8309H(HX/0,025/0,25/0,50) (Thrust in pos. 5)	-			
	-	5M8309HOS2/OS5(+.002"/+.005"OD) (Thrust in pos. 5)				
KING	CR4280XP (48mm journal)	MB5220XP (Flange position 3)	-			
	CR4125XPG (52mm journal)	MB5382XPG (Flange position 5)	-			
	CR4125XPGC (52mm journal)	MB5382XPGC (Flange position 5)	-			
	-	MB5739XPG (Housing bore +.002")	-			
	-	MB5740XPG (Housing bore +.005")	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Subaru PISTONS

EJ257 Block with EJ20 Head

OEM Engine details 2,5 Ltr 16V | Engine code:EJ257 | Bore:99,50 | • Displacement:2457 cc | • Stroke:79,00 | • Valves:16 | • Block Ht:201,00 | • Comp. Ratio:8,0:1 | • Head cc's:48,00

C/R with 0,66 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes
291059	99,50	Std.	30,70	-25,5	0,30-	8,5:1	23	JC3104-3917	411	F,PS,T
367902	99,50	Std.	30,70	-25,5	0,30-	8,5:1	23	JG4904-3917	413	F,UL,T
296349	99,75	0,25	30,70	-26	0,30-	8,5:1	23	JC4404-3928	413	F,PS,M,T
367903	99,75	0,25	30,70	-26,0	0,30-	8,5:1	23	JG4904-3927	415	F,UL,T
291060	100,00	0,50	30,70	-26,4	0,30-	8,5:1	23	JC4404-3938	416	F,PS,T
367904	100,00	0,50	30,70	-26,4	0,30-	8,5:1	23	JG4904-3937	417	F,UL,T
325249	99,50	Std.	30,70	-16,4	0,30-	9,5:1	23	JC3104-3917	411	F,PS,T
325250	99,75	0,25	30,70	-16,7	0,30-	9,5:1	23	JC4404-3928	414	F,PS,T
325251	100,00	0,50	30,70	-17,0	0,30-	9,5:1	23	JC4404-3938	416	F,PS,T

Bearings	Rod	Main	Thrust
ACL	4B8320H(HX/0,025/0,25/0,50) (48mm journal)	5M8297H(HX/0,025/0,25/0,50) (Thrust in pos. 3)	-
	4B8296H(HX/0,025/0,25/0,50)(52mm journal)	5M8309H(HX/0,025/0,25/0,50) (Thrust in pos. 5)	-
	-	5M8309HOS2/OS5(+.002"/+.005"OD) (Thrust in pos. 5)	
KING	CR4280XP (48mm journal)	MB5220XP (Flange position 3)	-
	CR4125XPG (52mm journal)	MB5382XPG (Flange position 5)	-
	CR4125XPGC (52mm journal)	MB5382XPGC (Flange position 5)	-
	-	MB5739XPG (Housing bore +.002")	-
	-	MB5740XPG (Housing bore +.005")	-

Head Stud Kit	Rod Bolts	Main Stud Kit
260-4701	260-6302	-

Head Gasket	Connecting Rods	Crank
C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL
C4574-027(2x)	039DD21131 / SB5137-905 / R-SUB-001-H / R-SUB-001-I	039ADD790 / C-SUB-002UL

Suzuki

G13B as in Swift GTI

OEM Engine details 1,3 Ltr 16V | Engine code: G13B | Bore:74,00 | • Displacement:1298 cc | • Stroke:75,50 | • Valves:16 | • Block Ht:186,80 | • Comp. Ratio:10,0:1 | • Head cc's:30,40

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes
KE247M74	74,00	Std.	28,30	-8	0,75-	8,0:1	19	2913XC	224	M
KE247M745	74,50	0,50	28,30	-8	0,75-	8,0:1	19	2933XC	229	M
KE247M75	75,00	1,00	28,30	-8	0,75-	8,0:1	19	7500XX	231	M

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes
347314C	74,25	0,25	28,88	5	0,17-	11,5:1	19	RB054-2923	241	M,R
352824C	75,00	1,00	28,88	4,5	0,17-	11,5:1	19	2953XC	236	M,R
310325C	74,00	Std.	28,88	7,25	0,17-	12,0:1	19	XC7400	235	M,R
348774C	74,50	0,50	28,88	7,25	0,17-	12,0:1	19	2933XC	248	M,R
354476C	75,00	1,00	28,88	7,25	0,17-	12,0:1	19	2953XC	247	M,R

Bearings	Rod	Main	Thrust
ACL	4B8336H(HX/0,025/0,25/0,50)	5M8337H(HX/0,025/0,25/0,50)	1T8337
KING	CR4605XP	MB5731XP	TW 134AM

Head Stud Kit	Rod Bolts	Main Stud Kit
-	-	-

Head Gasket	Connecting Rods	Crank
H1968SP5043F	SU_BSFT_MHT_4724B5S(4x) / R-SUZ-002H	-
H1968SP5043F	SU_BSFT_MHT_4724B5S(4x) / R-SUZ-002H	-
H1968SP5043F	SU_BSFT_MHT_4724B5S(4x) / R-SUZ-002H	-
H1968SP5043F	SU_BSFT_MHT_4724B5S(4x) / R-SUZ-002H	-
H1968SP5043F	SU_BSFT_MHT_4724B5S(4x) / R-SUZ-002H	-

G16B as in Swift

OEM Engine details 1,6 Ltr 16V | Engine code: G16B | Bore:75,00 | • Displacement:1590 cc | • Stroke:90,00 | • Valves:16 | • Block Ht:213,80 | • Comp. Ratio:9,5:1 | • Head cc's:25,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes
321433C	75,50	0,50	28,32	-11,8	0,88-	9,5:1	19	JG1001-2972	223	M

Bearings	Rod	Main	Thrust
ACL	-	-	-
KING	-	-	-

Head Stud Kit	Rod Bolts	Main Stud Kit
-	-	-

Head Gasket	Connecting Rods	Crank
H1968SP2043F	-	-





When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Suzuki PISTONS

M16A as in Swift Sport

OEM Engine details 1,6 Ltr 16V | Engine code: M16A | • Displacement:1586 cc | • Valves:16 | • Comp. Ratio:11,1:1 | • Head cc's:28,00 | • Gasket thickness:0,70 | • Rod Length:136,00

Bore:78,00 | • Stroke:83,00 | • Block Ht:208,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE248M78	78,00	Std.	30,00	-15	0,50-	9,0:1	20	7800XX	266	M	H3163SP2030S	040DE14136 / R-SUZ-001H	-
KE248M785	78,50	0,50	30,00	-15	0,50-	9,0:1	20	7850XX	270	M	H3163SPA030S	040DE14136 / R-SUZ-001H	-
KE248M79	79,00	1,00	30,00	-15	0,50-	9,0:1	20	7900XX	274	M	H3163SPA030S	040DE14136 / R-SUZ-001H	-
KE249M78	78,00	Std.	30,00	-1,5	0,50-	12,0:1	20	7800XX	267	M,R	H3163SP2030S	040DE14136 / R-SUZ-001H	-
KE249M785	78,50	0,50	30,00	-1,5	0,50-	12,0:1	20	7850XX	272	M,R	H3163SPA030S	040DE14136 / R-SUZ-001H	-
KE249M79	79,00	1,00	30,00	-1,5	0,50-	12,0:1	20	7900XX	277	M,R	H3163SPA030S	040DE14136 / R-SUZ-001H	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
352927C	81,00	3,00	30,00	-4,7	0,50-	12,0:1	20	JG1001-3189	274	M,R	H3163SPA030S	040DE14136	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8440H(HX/0,025/0,25)	5M8443H(HX/0,025/0,25)	-	271-4301	171-6001	271-5201
KING	CR4594XP	MB5727XP	-			

Toyota

2E-TE as in Starlet

OEM Engine details 1,3 Ltr 12V | Engine code:2E-TE | • Displacement:1295 cc | • Valves:12 | • Comp. Ratio:9,0:1 | • Head cc's:N/A | • Gasket thickness:1,40 | • Rod Length:N/A

Bore:73,00 | • Stroke:77,40 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
319866C	73,00	Std.	30,05	-9	-	9,0:1	18	JG1001-2874	202	M	-	-	-
319866C-73,5	73,50	0,50	30,05	-9	-	9,0:1	18	JG1001-2894	207	M	-	-	-
319866C-74	74,00	1,00	30,05	-9	-	9,0:1	18	XC7400	211	M	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

4E-FTE as in Starlet GT

OEM Engine details 1,3 Ltr 16V | Engine code:4E-FTE | • Displacement:1332 cc | • Valves:16 | • Comp. Ratio:8,2:1 | • Head cc's:39,00 | • Gasket thickness:1,20 | • Rod Length:118,00

Bore:74,00 | • Stroke:77,40 | • Block Ht:187,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K687M745AP	74,50	0,50	29,90	-2,5 FT	0,40-	8,1:1	18	2933XC	-	1,M	C4602-040	TO-4EFTE-T-64646S-04	-
K687M75AP	75,00	1,00	29,90	-2,5 FT	0,40-	8,1:1	18	2953XC	-	1,M	C4602-040	TO-4EFTE-T-64646S-04	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8390(0,25/0,50/0,75/1,00)	5M8392(0,25/0,50/0,75/1,00)	2T8392	203-3801 (Head Bolts)	-	-
KING	-	-	-			

5E-FE as in Corrolla

OEM Engine details 1,5 Ltr 16V | Engine code:5E-FE | • Displacement:1497 cc | • Valves:16 | • Comp. Ratio:9,4:1 | • Head cc's:39,00 | • Gasket thickness:1,02 | • Rod Length:130,50

Bore:74,00 | • Stroke:87,00 | • Block Ht:204,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K687M745AP	74,50	0,50	29,90	-2,5 FT	0,10-	9,2:1	18	2933XC	-	1,M	C4602-040	R-TOY-002H / R-TOY-002-I	-
K687M75AP	75,00	1,00	29,90	-2,5 FT	0,10-	9,2:1	18	2953XC	-	1,M	C4602-040	R-TOY-002H / R-TOY-002-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	203-3801 (Head Bolts)	-	-
KING	-	-	-			

▲TOP

COMPLEMENTARY PARTS

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

Toyota PISTONS

COMPLEMENTARY PARTS

4AG, 4A-GE as in Celica/MR2

OEM Engine details 1,6 Ltr 16V | Engine code:4AG/4AGE | • Displacement:1587 cc | • Valves:16 | • Comp. Ratio:10,0:1 | • Head cc's:35,00-39,00 | • Gasket thickness:1,25 | • Rod Length:122,00
Bore:81,00 | • Stroke:77,00 | • Block Ht:192,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K533M815	81,50	0,50	30,68	5,9	0,76-	10,2-11,1:1	18*	8150XX	290	1,K	W6092	R-TOY-003H	-
K533M82	82,00	1,00	30,68	5,9	0,76-	10,2-11,1:1	18*	8200XX	296	1,K,M	W6092	R-TOY-003H	-
K505M815	81,50	0,50	30,68	5,9	0,76-	10,2-11,1:1	19*	8150XX	289	1,K,M	W6092	R-TOY-003H	-
K506M815	81,50	0,50	30,68	5,9	0,76-	10,2-11,1:1	20*	8150XX	287	1,K,R	W6092	TO-4AGZ-S-54803H-04 / R-TOY-004H / R-TOY-004-I	-
K506M82	82,00	1,00	30,68	5,9	0,76-	10,2-11,1:1	20*	8200XX	294	K,R	W6092	TO-4AGZ-S-54803H-04 / R-TOY-004H / R-TOY-004-I	-

C/R with 1,22 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
361470	81,00	Std.	30,50	3,2	0,76-	11.0:1	20*	JG1004-3189	-	F,M,PS	-	TO-4AGZ-S-54803H-04 / R-TOY-004H / R-TOY-004-I	-
361471	81,50	0,50	30,50	2,7	0,76-	11.0:1	20*	JG1004-3209	251	F,M,PS	-	TO-4AGZ-S-54803H-04 / R-TOY-004H / R-TOY-004-I	-
361472	82,00	1,00	30,50	2,3	0,76-	11.0:1	20*	JG1004-3228	-	F,M,PS	-	TO-4AGZ-S-54803H-04 / R-TOY-004H / R-TOY-004-I	-

* Check pin size before ordering!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1780H(HX/0,025/0,25/0,50)	5M1695H(HX/0,025/0,25/0,50)	2T1695	203-4203	203-6001	203-5403
KING	CR4032XP	MB5527XP	TW 231AM			

4A-GE 20V Silver Top

OEM Engine details 1,6 Ltr 20V | Engine code:4A-GE | • Displacement:1587 cc | • Valves:20 | • Comp. Ratio:10,5:1 | • Head cc's:35,00 | • Gasket thickness: 1.40 | • Rod Length:122,00
Bore:81,00 | • Stroke:77,00 | • Block Ht:192,00

C/R with 1,22 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
361473	81,00	Std.	30,50	6,8	0,76-	12.0:1	20*	JG1004-3189	-	F,M,PS	C4166-056	TO-4AGZ-S-54803H-04 / R-TOY-004H / R-TOY-004-I	-
361474	81,50	0,50	30,50	6,5	0,76-	12.0:1	20*	JG1004-3209	-	F,M,PS	C4166-056	TO-4AGZ-S-54803H-04 / R-TOY-004H / R-TOY-004-I	-
361475	82,00	1,00	30,50	6,1	0,76-	12.0:1	20*	JG1004-3228	-	F,M,PS	C4166-056	TO-4AGZ-S-54803H-04 / R-TOY-004H / R-TOY-004-I	-

* Check pin size before ordering!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1780H(HX/0,025/0,25/0,50)	5M1695H(HX/0,025/0,25/0,50)	2T1695	203-4203	203-6001	203-5403
KING	CR4032XP	MB5527XP	TW 231AM			

4A-GE 20V Black Top

OEM Engine details 1,6 Ltr 20V | Engine code:4A-GE | • Displacement:1587 cc | • Valves:20 | • Comp. Ratio:11,0:1 | • Head cc's:37,80 | • Gasket thickness: 1.40 | • Rod Length:122,00
Bore:81,00 | • Stroke:77,00 | • Block Ht:192,00

C/R with 1,22 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
361473	81,00	Std.	30,50	6,8	0,76-	11.5:1	20*	JG1004-3189	-	F,M,PS	C4166-056	TO-4AGZ-S-54803H-04 / R-TOY-004H / R-TOY-004-I	-
361474	81,50	0,50	30,50	6,5	0,76-	11.5:1	20*	JG1004-3209	-	F,M,PS	C4166-056	TO-4AGZ-S-54803H-04 / R-TOY-004H / R-TOY-004-I	-
361475	82,00	1,00	30,50	6,1	0,76-	11.5:1	20*	JG1004-3228	-	F,M,PS	C4166-056	TO-4AGZ-S-54803H-04 / R-TOY-004H / R-TOY-004-I	-

* Check pin size before ordering!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1780H(HX/0,025/0,25/0,50)	5M1695H(HX/0,025/0,25/0,50)	2T1695	203-4203	203-6001	203-5403
KING	CR4032XP	MB5527XP	TW 231AM			

3TC as in Corolla + also fits 2TC (1.6L)

OEM Engine details 1,8 Ltr 8V | Engine code:3TC | • Displacement:1770 cc | • Valves:8 | • Comp. Ratio:9,0:1 | • Head cc's:63,00 | • Gasket thickness:1,02 | • Rod Length:123,00
Bore:85,00 | • Stroke:78,00 | • Block Ht:197,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K547M87	87,00	2,00	34,92	-2 FT	0,15-	7,5:1	22	8700XX	344	1,M	C4258-040	-	-
K547M89	89,00	4,00	34,92	-2 FT	0,15-	7,5:1	22	8900XX	377	1,M	W6175	-	-
K508M86	86,00	1,00	34,92	20,6	0,15-	10,2-10,9:1	22	8600XX	392	1,M	C4258-040	-	-
K508M87	87,00	2,00	34,92	20,6	0,15-	10,2-10,9:1	22	8700XX	400	1	C4258-040	-	-
K508M89	89,00	4,00	34,92	20,6	0,15-	10,2-10,9:1	22	8900XX	406	1	W6175	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	203-4206	203-6003	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Toyota PISTONS

COMPLEMENTARY PARTS

2ZZ-GE as in Celica

OEM Engine details 1,8 Ltr 16V | Engine code:2ZZ-GE | • Displacement:1796 cc | • Valves:16 | • Comp. Ratio:10,0:1 | • Head cc's:38,00 | • Gasket thickness:0,50 | • Rod Length:137,90
Bore:82,00 | • Stroke:85,00 | • Block Ht:211,75

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K565M82	82,00	Std.	31,20	-16	0,15-	8,8:1	20	8200XX	284	1,N	C4962-028	TO-2ZZGE-S-65433S-04	-
K569M82	82,00	Std.	31,20	0,2	0,15-	11,9:1	20	8200XX	319	1,M,N	C4962-028	TO-2ZZGE-S-65433S-04	-

C/R with 0,51mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
361455	82,00	Std.	31,20	-11,1	0,15-	9,5:1	20	JG1004-3228	-	G,M,PS,T	-	TO-2ZZGE-S-65433S-04	-
361456	82,50	0,50	31,20	-11,7	0,15-	9,5:1	20	JG1004-3250	-	G,M,PS,T	-	TO-2ZZGE-S-65433S-04	-
361457	83,00	1,00	31,20	-12,3	0,15-	9,5:1	20	JG1004-3268	-	G,M,PS,T	-	TO-2ZZGE-S-65433S-04	-
361458	82,00	Std.	31,20	2,7	0,15-	12,5:1	20	JG1004-3228	-	G,M,PS,V	-	TO-2ZZGE-S-65433S-04	-
361459	82,50	0,50	31,20	2,2	0,15-	12,5:1	20	JG1004-3250	-	G,M,PS,V	-	TO-2ZZGE-S-65433S-04	-
361460	83,00	1,00	31,20	1,8	0,15-	12,5:1	20	JG1004-3268	-	G,M,PS,V	-	TO-2ZZGE-S-65433S-04	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1856H(HX/0,025/0,25)	5M1857H(HX/0,025/0,25)	-	203-4302	203-6301	203-5407
KING	CR4608XP	MB5375XP	TW 231AM			

2ZR-FE as in Corolla

OEM Engine details 1,8 Ltr 16V | Engine code:2ZR-FE | • Displacement:1798 cc | • Valves:16 | • Comp. Ratio:10,0:1 | • Head cc's:N/A | • Gasket thickness:0,70 | • Rod Length:146,65
Bore:80,50 | • Stroke:88,30 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE264M805	80,50	Std.	28,27	-10,1	-	10,0:1	20	3169XC	263	M,R	-	-	-
KE264M81	81,00	0,50	28,27	-10,1	-	10,0:1	20	8100XX	267	M,R	-	-	-
KE265M805	80,50	Std.	28,27	-1,1	-	12,0:1	20	3169XC	278	M,R	-	-	-
KE265M81	81,00	0,50	28,27	-1,1	-	12,0:1	20	8100XX	282	M,R	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	203-4703	-	-
KING	-	-	-			

4U-GSE as in GT-86

OEM Engine details 2,0 Ltr 16V | Engine code:4U-GSE | • Displacement: 1998 cc | • Valves:16 | • Comp. Ratio:12,5:1 | • Head cc's:39,00 | • Gasket thickness:0,50 | • Rod Length:129,30
Bore:86,00 | • Stroke:86,00 | • Block Ht:205,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
315114	86,00	Std.	32,75	-16,4	0,05	9,5:1	22	JG1004-3386	325	F,PS,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
315115	86,50	0,50	32,75	-17	0,05	9,5:1	22	JG1004-3405	321	F,PS,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
315116	87,00	1,00	32,75	-17,7	0,05	9,5:1	22	JG1004-3425	322	F,M,PS,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
315117	86,00	Std.	32,75	-10,2	0,05	10,5:1	22	JG1004-3386	312	F,PS,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
315118	86,50	0,50	32,75	-10,7	0,05	10,5:1	22	JG1004-3405	318	F,PS,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
315119	87,00	1,00	32,75	-11,3	0,05	10,5:1	22	JG1004-3425	321	F,M,PS,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
315120	86,00	Std.	32,75	2,5	0,05	13,5:1	22	JG1004-3386	315	F,PS,V	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6W-04	-
315121	86,50	0,50	32,75	2	0,05	13,5:1	22	JG1004-3405	317	F,PS,V	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6W-04	-
315122	87,00	1,00	32,75	1,6	0,05	13,5:1	22	JG1004-3425	322	F,M,PS,V	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6W-04	-
367898	86,00	Std.	32,75	-10,2	0,05	10,5:1	22	JG1004-3386	-	F,UL,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
367899	86,25	0,25	32,75	-10,5	0,05	10,5:1	22	JG1004-3396	-	F,UL,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
367900	86,50	0,50	32,75	-10,7	0,05	10,5:1	22	JG1004-3405	-	F,UL,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-
367901	87,00	1,00	32,75	-11,3	0,05	10,5:1	22	JG1004-3425	-	F,UL,T	C4589-032/C4588-032(Left/right)	SB_AFA20_1HS_5090B6M-04 / SB5090-866	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8310H(HX/0,025/0,25)	5M8312H(HX/0,025/0,25)	-	203-4305	203-6302	-
	-	5M8312HOS2/OS5(+.002"/+.005"OD)				
KING	CR4616XPG	MB5745XPG	-			
	CR4616XPGC	MB5745XPGC	-			

3SGE as in Celica/MR2

OEM Engine details 2,0 Ltr 16V | Engine code: 3SGE | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:10,0:1 | • Head cc's:49,00 | • Gasket thickness:1,42 | • Rod Length:138,00
Bore:86,00 | • Stroke:86,00 | • Block Ht:216,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
365299C	86,00	Std.	35,00	7,5	0	11,0:1	22	JG1001-3386	340	M,S	C4314-056	TO-3SG-S-65433H-04 / R-TOY-005H / R-TOY-005-I	-
312287C	86,50	0,50	35,00	7,1	0	11,0:1	22	JG1001-3405	344	M,S	C4314-056	TO-3SG-S-65433H-04 / R-TOY-005H / R-TOY-005-I	-
339327C	87,00	1,00	35,00	7,1	0	11,0:1	22	JG1001-3425	349	M,S	C4314-056	TO-3SG-S-65433H-04 / R-TOY-005H / R-TOY-005-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8366(HX/0,025/0,25/0,50)	5M8361H(HX/0,025/0,25/0,50)	2T1689	203-4204	203-6002	203-5404
KING	CR4209XP	MB5554XP	TW 226AM			
	CR4209XPC	MB5554XPC	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Toyota PISTONS

COMPLEMENTARY PARTS

3SGE BEAMS

OEM Engine details 2,0 Ltr 16V | Engine code: 3SGE BEAMS | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:11,1:1 | • Head cc's:33,00 | • Gasket thickness:0,80 | • Rod Length:138,00
Bore:86,00 | • Stroke:86,00 | • Block Ht:216,00

C/R with 0,76 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
361461	86,00	Std.	33,80	-13,8	1,20-	9,5:1	22	JG1004-3386	-	F,M,PS,T	-	TO-3SG-S-65433H-04 / R-TOY-005H / R-TOY-005-I	-
361462	86,25	0,25	33,80	-14,2	1,20-	9,5:1	22	JG1004-3396	-	F,M,PS,T	-	TO-3SG-S-65433H-04 / R-TOY-005H / R-TOY-005-I	-
361463	86,50	0,50	33,80	-14,4	1,20-	9,5:1	22	JG1004-3405	-	F,M,PS,T	-	TO-3SG-S-65433H-04 / R-TOY-005H / R-TOY-005-I	-
361464	87,00	1,00	33,80	-15,0	1,20-	9,5:1	22	JG1004-3425	-	F,M,PS,T	-	TO-3SG-S-65433H-04 / R-TOY-005H / R-TOY-005-I	-
361465	86,00	Std.	33,80	1,5	1,20-	12,5:1	22	JG1004-3386	-	F,M,PS	-	TO-3SG-S-65433H-04 / R-TOY-005H / R-TOY-005-I	-
361466	86,25	0,25	33,80	1,3	1,20-	12,5:1	22	JG1004-3396	-	F,M,PS	-	TO-3SG-S-65433H-04 / R-TOY-005H / R-TOY-005-I	-
361467	86,50	0,50	33,80	1,1	1,20-	12,5:1	22	JG1004-3405	-	F,M,PS	-	TO-3SG-S-65433H-04 / R-TOY-005H / R-TOY-005-I	-
361468	87,00	1,00	33,80	0,7	1,20-	12,5:1	22	JG1004-3425	-	F,M,PS	-	TO-3SG-S-65433H-04 / R-TOY-005H / R-TOY-005-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8366(HX/0,025/0,25/0,50)	5M8361H(HX/0,025/0,25/0,50)	2T1689	203-4204	203-6002	203-5404
KING	CR4209XP	MB5554XP	TW 226AM			
	CR4209XPC	MB5554XPC	-			

3SGTE as in Celica/MR2

OEM Engine details 2,0 Ltr 16V | Engine code: 3SGTE | • Displacement:1998 cc | • Valves:16 | • Comp. Ratio:8,8:1 | • Head cc's:49,00 | • Gasket thickness:1,42 | • Rod Length:138,00
Bore:86,00 | • Stroke:86,00 | • Block Ht:216,00

C/R with 1,30 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K615M86AP	86,00	Std.	35,00	-6	0	9,0:1	22	8600XX	353	1	W6328/C4606-051*	TO-3SG-S-65433H-04/ R-TOY-005-I / R-TOY-EN24-005	-
K615M8625AP	86,25	0,25	35,00	-6	0	9,0:1	22	8625XX	356	1,M	W6328/C4606-051*	TO-3SG-S-65433H-04/ R-TOY-005-I / R-TOY-EN24-005	-
K615M865AP	86,50	0,50	35,00	-6	0	9,0:1	22	8650XX	363	1	W6328/C4606-051*	TO-3SG-S-65433H-04/ R-TOY-005-I / R-TOY-EN24-005	-
K615M87AP	87,00	1,00	35,00	-6	0	9,0:1	22	8700XX	374	1	W6328/C4606-051*	TO-3SG-S-65433H-04/ R-TOY-005-I / R-TOY-EN24-005	-

C/R with 1,30 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
298701	86,00	Std.	35,00	-6	0	9,0:1	22	JG1004-3386	318	PS,S,T	TY1000-047/C4606-051*	TO-3SG-S-65433H-04/ R-TOY-005-I / R-TOY-EN24-005	-
367908	86,00	Std.	35,00	-6	0	9,0:1	22	8600XX	335	F,UL,T	TY1000-039/C4606-040*	TO-3SG-S-65433H-04/ R-TOY-005-I / R-TOY-EN24-005	
361357	86,25	0,25	35,00	-6,4	0	9,0:1	22	JG1004-3396	319	PS,S,T	TY1000-047/C4606-051*	TO-3SG-S-65433H-04/ R-TOY-005-I / R-TOY-EN24-005	-
367909	86,25	0,25	35,00	-6,4	0	9,0:1	22	8625XX	336	F,UL,T	TY1000-039/C4606-040*	TO-3SG-S-65433H-04/ R-TOY-005-I / R-TOY-EN24-005	
298702	86,50	0,50	35,00	-6,7	0	9,0:1	22	JG1004-3405	320	PS,S,T	TY1000-047/C4606-051*	TO-3SG-S-65433H-04/ R-TOY-005-I / R-TOY-EN24-005	-
367910	86,50	0,50	35,00	-6,7	0	9,0:1	22	8650XX	337	F,UL,T	TY1000-039/C4606-040*	TO-3SG-S-65433H-04/ R-TOY-005-I / R-TOY-EN24-005	
298703	87,00	1,00	35,00	-7,3	0	9,0:1	22	JG1004-3425	322	PS,S,T	TY1000-047/C4606-051*	TO-3SG-S-65433H-04/ R-TOY-005-I / R-TOY-EN24-005	-
367911	87,00	1,00	35,00	-7,3	0	9,0:1	22	8700XX	340	F,UL,T	TY1000-039/C4606-040*	TO-3SG-S-65433H-04/ R-TOY-005-I / R-TOY-EN24-005	

* Depending on model - see Cometic Gasket section!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8366(HX/0,025/0,25/0,50)	5M8361H(HX/0,025/0,25/0,50)	2T1689	203-4204	203-6002	203-5404
KING	CR4209XP	MB5554XP	TW 226AM			
	CR4209XPC	MB5554XPC	-			

Celica 20R

OEM Engine details 2,2 Ltr 8V | Engine code:20R | • Displacement:2189 cc | • Valves:8 | • Comp. Ratio:8,4:1 | • Head cc's:80,00 | • Gasket thickness:1,30 | • Rod Length:148,00
Bore:88,40 | • Stroke:89,00 | • Block Ht:231,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K509M90	90,00	1,60	38,95	24,7	0,05-	9,9:1	22	3544XC	414	M	C4268-040	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	203-4201	-	203-5406
KING	-	-	-			

5SFE block with 3SGTE head

OEM Engine details 2,2 Ltr 16V | Engine code:5S-FE | • Displacement:2164 cc | • Valves:16 | • Comp. Ratio:9,5:1 | • Head cc's:50,00 | • Gasket thickness:N/A | • Rod Length:138,00
Bore:87,00 | • Stroke:91,00 | • Block Ht:N/A

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
252064	87,50	0,50	32,50	-11,6	-	9,0:1	22	JG1004-3445	338	M,PS,R,T	W6329	TO-3SG-S-65433S-04/ R-TOY-005-I / R-TOY-EN24-005	-
361469	88,00	1,00	32,50	-12,5	-	9,0:1	22	JG1004-3465	341	F,M,PS,T	W6329	TO-3SG-S-65433S-04/ R-TOY-005-I / R-TOY-EN24-005	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	MB5554XP	TW 226AM			
	-	MB5554XPC	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Toyota PISTONS

Celica 22R

OEM Engine details 2,4 Ltr 8V | Engine code:22R | Bore:92,00 | • Displacement:2367 cc | • Stroke:89,00 | • Valves:8 | • Block Ht:231,50 | • Comp. Ratio:9,0:1 | • Head cc's:83,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes
K509M925	92,50	0,50	38,95	24,7	0,05-	10,0:1	22	3642XC	457	M
K509M94	94,00	1,50	38,95	24,7	0,05-	10,0:1	22	3701XC	484	M

Bearings	Rod	Main	Thrust
ACL	-	-	-
KING	-	-	-

2AZFE as in Scion TC+XB/Camry/Solara

OEM Engine details 2,4 Ltr 16V | Engine code:2AZ-FE | Bore:88,50 | • Displacement:2362 cc | • Stroke:96,00 | • Valves:16 | • Block Ht:231,00 | • Comp. Ratio:9,8:1 | • Head cc's:40,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes
K641M885	88,50	Std.	33,25	-29	0,25-	9,0:1	22	8850XX	313	M
K641M89	89,00	0,50	33,25	-29	0,25-	9,0:1	22	8900XX	321	M
K641M895	89,50	1,00	33,25	-29	0,25-	9,0:1	22	8950XX	329	M
K641M90	90,00	1,50	33,25	-29	0,25-	9,0:1	22	9000XX	337	M

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes
361358	88,50	Std	33,00	-26,6	0,50-	9,0:1	22	JG1004-3484	331	M,PS,R,T
310320	89,00	0,50	33,00	-27,1	0,50-	9,0:1	22	JG1004-3504	333	PS,R,T
361359	88,50	Std	33,00	-27,1	0,50-	11,0:1	22	JG1004-3484	317	M,PS,R,V
310321	89,00	0,50	33,00	-12,2	0,50-	11,0:1	22	JG1004-3504	318	PS,R,V

Bearings	Rod	Main	Thrust
ACL	4B8411(HX/0,025/0,25)	5M8412H(HX/0,025/0,25)	1T8412
KING	-	-	-

2RZFE

OEM Engine details 2,4 Ltr 16V | Engine code:2RZ-FE | Bore:95,00 | • Displacement:2438 cc | • Stroke:86,00 | • Valves:16 | • Block Ht:214,00 | • Comp. Ratio:9,5:1 | • Head cc's:58,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes
K642M95	95,00	Std.	35,50	-10	0,50-	8,8:1	24	9500XX	408	1,M
K642M955	95,50	0,50	35,50	-10	0,50-	8,8:1	24	9550XX	416	1,M
K642M96	96,00	1,00	35,50	-10	0,50-	8,8:1	24	9600XX	424	1,M

Bearings	Rod	Main	Thrust
ACL	4B8376H(HX/0,025/0,25)	5M8378H(HX/0,025/0,25)	2T8377
KING	CR4219XP	MB5089XP	TW 285AM

2ARFE as in Scion TC/Camry/Rav4

OEM Engine details 2,5 Ltr 16V | Engine code:2AR-FE | Bore:90,00 | • Displacement:2494 cc | • Stroke:98,00 | • Valves:16 | • Block Ht:N/A | • Comp. Ratio:10,4:1 | • Head cc's:50,00

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes
310886	90,00	Std.	34,80	-26,7	-	9,0:1	22	JG1004-3543	358	M,R,T
310888	90,50	0,50	34,80	-27,5	-	9,0:1	22	JG1004-3563	360	M,R,T
310887	90,00	Std.	34,80	-11,1	-	11,0:1	22	JG1004-3543	348	M,R,V
310889	90,50	0,50	34,80	-11,8	-	11,0:1	22	JG1004-3563	350	M,R,V

Bearings	Rod	Main	Thrust
ACL	-	-	-
KING	-	-	-

1JZGTE

OEM Engine details 2,5 Ltr 24V | Engine code:1JZ-GTE | Bore:86,00 | • Displacement:2491 cc | • Stroke:71,50 | • Valves:24 | • Block Ht:N/A | • Comp. Ratio:9,0:1 | • Head cc's:41,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes
361451	86,00	Std	34,00	-3,2	-	9,0:1	22	JG1006-3386	-	M,PS,S,T
361452	86,25	0,25	34,00	-3,5	-	9,0:1	22	JG1006-3396	-	M,PS,S,T
361453	86,50	0,50	34,00	-3,7	-	9,0:1	22	JG1006-3405	-	M,PS,S,T
361454	87,00	1,00	34,00	-4,2	-	9,0:1	22	JG1006-3425	-	M,PS,S,T

#Available bearings

Bearings	Rod	Main	Thrust
ACL	6B8100H(HX/0,025/0,25)	7M8103H(HX/0,025/0,25)	2T8103
KING	CR6754XP	MB7084XP	TW 284AM
	CR6754XPC	MB7084XPC	-

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

COMPLEMENTARY PARTS

Gasket thickness	Rod Length	Head Gasket	Connecting Rods	Crank
1,30	148,00	W6176	-	-
1,30	148,00	W6176	-	-

Head Stud Kit	Rod Bolts	Main Stud Kit
203-4201	203-6002	203-5406

Gasket thickness	Rod Length	Head Gasket	Connecting Rods	Crank
0,58	149,50	C4507-027	041DI17150	-
0,58	149,50	C4507-027	041DI17150	-
0,58	149,50	C4506-027	041DI17150	-
0,58	149,50	C4506-027	041DI17150	-
0,58	149,50	C4506-027	041DI17150	-
0,58	149,50	C4506-027	041DI17150	-
0,58	149,50	C4506-027	041DI17150	-
0,58	149,50	C4506-027	041DI17150	-

Head Stud Kit	Rod Bolts	Main Stud Kit
203-4303/203-4306*	-	203-5401

* Depending on model - see ARP section!

Gasket thickness	Rod Length	Head Gasket	Connecting Rods	Crank
1,02	135,00	C4598-040	-	-
1,02	135,00	C4598-040	-	-
1,02	135,00	C4598-040	-	-

Head Stud Kit	Rod Bolts	Main Stud Kit
-	-	-

Gasket thickness	Rod Length	Head Gasket	Connecting Rods	Crank
N/A	157,50	-	-	-
N/A	157,50	-	-	-
N/A	157,50	-	-	-
N/A	157,50	-	-	-
N/A	157,50	-	-	-

Head Stud Kit	Rod Bolts	Main Stud Kit
-	-	-

Gasket thickness	Rod Length	Head Gasket	Connecting Rods	Crank
1,20mm	125,25	-	TO-1JZ-S-164931H	-
1,20mm	125,25	-	TO-1JZ-S-164931H	-
1,20mm	125,25	-	TO-1JZ-S-164931H	-
1,20mm	125,25	-	TO-1JZ-S-164931H	-

Head Stud Kit	Rod Bolts	Main Stud Kit
-	-	-

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Toyota PISTONS

COMPLEMENTARY PARTS

3RZFE

OEM Engine details 2,7 Ltr 16V | Engine code:3RZ-FE | • Displacement:2693 cc | • Valves:16 | • Comp. Ratio:9,5:1 | • Head cc's:58,00 | • Gasket thickness:1,42 | • Rod Length:147,00

Bore:95,00 | • Stroke:95,00 | • Block Ht:232,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K642M95	95,00	Std.	35,50	-10	2,50-	8,25:1	24	9500XX	408	1,M	C4598-040	-	-
K642M955	95,50	0,50	35,50	-10	2,50-	8,25:1	24	9550XX	416	1,M	C4598-040	-	-
K642M96	96,00	1,00	35,50	-10	2,50-	8,25:1	24	9600XX	424	1,M	C4598-040	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B8376H(HX/0,025/0,25)	5M8378H(HX/0,025/0,25)	2T8377	-	-	-
KING	CR4219XP	MB5089XP	TW 285AM			

2JZGTE as in Supra

OEM Engine details 3,0 Ltr 24V | Engine code:2JZGTE | • Displacement:2997 cc | • Valves:24 | • Comp. Ratio:8,5:1 | • Head cc's:45,00 | • Gasket thickness:1,42 | • Rod Length:142,00

Bore:86,00 | • Stroke:86,00 | • Block Ht:219,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K550M86AP	86,00	Std.	34,00	-14,8	0	8,3:1	22	8600XX	331	1,R	W6326	041DJ17142 / TY5591-866 / R-TOY-006-I	-
K550M8625AP	86,25	0,25	34,00	-14,8	0	8,3:1	22	8625XX	332	1,M,R	W6326	041DJ17142 / TY5591-866 / R-TOY-006-I	-
K550M865AP	86,50	0,50	34,00	-14,8	0	8,4:1	22	8650XX	334	1,R	W6326	041DJ17142 / TY5591-866 / R-TOY-006-I	-
K550M87AP	87,00	1,00	34,00	-14,8	0	8,5:1	22	8700XX	340	1,R	W6326	041DJ17142 / TY5591-866 / R-TOY-006-I	-
With 1mm deeper VP's,HD2 forging with 5,72mm wall tool steel pins													
K677M86AP	86,00	Std.	34,00	-5,3	0	9,5:1	22	8600XX	-	1,M,S	W6326	041DJ17142 / TY5591-866 / R-TOY-006-IP	-
K677M8625AP	86,25	0,25	34,00	-5,3	0	9,5:1	22	8625XX	-	1,M,S	W6326	041DJ17142 / TY5591-866 / R-TOY-006-IP	-
K677M865AP	86,50	0,50	34,00	-5,3	0	9,6:1	22	8650XX	-	1,M,S	W6326	041DJ17142 / TY5591-866 / R-TOY-006-IP	-
K677M87AP	87,00	1,00	34,00	-5,3	0	9,7:1	22	8700XX	-	1,S	W6326	041DJ17142 / TY5591-866 / R-TOY-006-IP	-
K678M86AP	86,00	Std.	34,00	0,8	0	10,5:1	22	8600XX	-	1,M,S	W6326	041DJ17142 / TY5591-866 / R-TOY-006-H / R-TOY-006-I	-
K678M8625AP	86,25	0,25	34,00	0,8	0	10,5:1	22	8625XX	-	1,M,S	W6326	041DJ17142 / TY5591-866 / R-TOY-006-H / R-TOY-006-I	-
K678M865AP	86,50	0,50	34,00	0,8	0	10,6:1	22	8650XX	-	1,M,S	W6326	041DJ17142 / TY5591-866 / R-TOY-006-H / R-TOY-006-I	-
K678M87AP	87,00	1,00	34,00	0,8	0	10,7:1	22	8700XX	-	1,M,S	W6326	041DJ17142 / TY5591-866 / R-TOY-006-H / R-TOY-006-I	-

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
252059	86,50	0,50	34,00	-20,8	0	8,0:1	22	JG1006-3405	330	PS,R,T	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-I	-
314301	86,00	Std.	34,00	-15,5	0	8,5:1	22	JG1006-3386	312	PS,S,T	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-I	-
361333	86,25	0,25	34,00	-15,9	0	8,5:1	22	JG1006-3396	-	PS,S,T	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-I	-
296932	86,50	0,50	34,00	-16,4	0	8,5:1	22	JG1006-3405	304	PS,S,T	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-I	-
296933	87,00	1,00	34,00	-17,1	0	8,5:1	22	JG1006-3425	306	PS,S,T	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-I	-
361341	86,00	Std.	34,00	-9,8	0	9.0:1	22	JG1006-3386	-	PS,F.UL	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-I	-
361342	86,25	0,25	34,00	-10,1	0	9.0:1	22	JG1006-3396	-	PS,F.UL	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-I	-
361343	86,50	0,50	34,00	-10,4	0	9.0:1	22	JG1006-3405	-	PS,F.UL	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-I	-
361344	87,00	1,00	34,00	-11	0	9.0:1	22	JG1006-3425	-	PS,F.UL	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-I	-
314302	86,00	Std.	34,00	-7,7	0	9,5:1	22	JG1006-3386	330	PS,S,T	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-IP	-
361334	86,25	0,25	34,00	-8,0	0	9,5:1	22	JG1006-3396	-	PS,S,T	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-IP	-
314303	86,50	0,50	34,00	-8,3	0	9,5:1	22	JG1006-3405	334	PS,S,T	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-IP	-
314304	87,00	1,00	34,00	-8,9	0	9,5:1	22	JG1006-3425	337	PS,S,T	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-IP	-

For 94,00 mm stroker crank

2JZGTE as in Supra

OEM Engine details 3,0 Ltr 24V | Engine code:2JZGTE | • Displacement:2997 cc | • Valves:24 | • Comp. Ratio:8,5:1 | • Head cc's:45,00 | • Gasket thickness:1,42 | • Rod Length:142,00

Bore:86,00 | • Stroke:86,00 | • Block Ht:219,00

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
326320	86,00	Std.	30,00	-21,9	0	8,5:1	22	JG1006-3386	290	PS,S,T	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-I	-
361335	86,25	0,25	30,00	-22,1	0	8,5:1	22	JG1006-3396	291	M,PS,S,T	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-I	-
326321	86,50	0,50	30,00	-22,7	0	8,5:1	22	JG1006-3405	293	PS,S,T	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-I	-
326322	87,00	1,00	30,00	-23,4	0	8,5:1	22	JG1006-3425	296	PS,S,T	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-I	-
337050	86,00	Std.	30,00	-13,3	0	9,5:1	22	JG1006-3386	-	PS,S,T	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-IP	-
361336	86,25	0,25	30,00	-13,6	0	9,5:1	22	JG1006-3396	-	M,PS,S,T	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-IP	-
337051	86,50	0,50	30,00	-14	0	9,5:1	22	JG1006-3405	-	PS,S,T	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-IP	-
337052	87,00	1,00	30,00	-14,7	0	9,5:1	22	JG1006-3425	-	PS,S,T	C4276-040	041DJ17142 / TY5591-866 / R-TOY-006-IP	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B8100H(HX/0,025/0,25)	7M8103H(HX/0,025/0,25)	2T8103	203-4702	203-6005	203-5405
KING	CR6754XP	MB7084XP	TW 284AM			
	CR6754XPC	MB7084XPC				
	CR6754XPDC					

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Toyota PISTONS

COMPLEMENTARY PARTS

B58 as in Supra

OEM Engine details 3,0 Ltr 24V | Engine code:B58C30 | • Displacement:2998 cc | • Valves:24 | • Comp. Ratio: 11:1 | • Head cc's:N/A | • Gasket thickness:0,70 | • Rod Length:N/A
Bore:82,00 | • Stroke:94,60 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
TBA	82,00	Std.	-	-	-	-	-	-	-	F,T	-	-	-
TBA	82,50	0,50	-	-	-	-	-	-	-	F,T	-	-	-
TBA	83,00	1,00	-	-	-	-	-	-	-	F,T	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

7MGTE as in Supra

OEM Engine details 3,0 Ltr 24V | Engine code:7MGTE | • Displacement:2954 cc | • Valves:24 | • Comp. Ratio:8,4:1 | • Head cc's:40,00 | • Gasket thickness:1,20 | • Rod Length:152,00
Bore:83,00 | • Stroke:91,00 | • Block Ht:230,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K613M83	83,00	Std.	33,00	-16	0	9,0:1	22	8300XX	317	1,2,M	W6327	-	-
K613M835	83,50	0,50	33,00	-16	0	9,0:1	22	8350XX	322	1,2	W6327	-	-
K613M84	84,00	1,00	33,00	-16	0	9,0:1	22	8400XX	327	1,2	W6327	-	-
K613M845	84,50	1,50	33,00	-16	0	9,0:1	22	8450XX	332	1,2,M	-	-	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
302000	83,50	0,50	32,75	-16,2	0,25-	9,0:1	22	JG1006-3287	291	PS,S,T	C4278-045	-	-
302001	84,00	1,00	32,75	-16,9	0,25-	9,0:1	22	JG1006-3307	293	PS,S,T	C4278-045	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	203-4701	203-6004	203-5402
KING	-	-	-			

1FZ-FE as in Land Cruiser

OEM Engine details 4,5 Ltr 24V | Engine code:1FZ-FE | • Displacement:4476 cc | • Valves:24 | • Comp. Ratio:9,0:1 | • Head cc's:76,00 | • Gasket thickness:1,40 | • Rod Length:154,00
Bore:100,00 | • Stroke:95,00 | • Block Ht:243,50

C/R with 1,52 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
321311	100,00	Std.	42,00	-10,8	0	8.5:1	26	JG1006-3937	473	M,PS,R,T	C4530-060	TO-1FZFE-1-S-66063S-06	-
321312	100,50	0,50	42,00	-11,7	0	8.5:1	26	JG1006-3957	476	M,PS,R,T	C4530-060	TO-1FZFE-1-S-66063S-06	-
321313	101,00	1,00	42,00	-12,6	0	8.5:1	26	JG1006-3976	479	M,PS,R,T	C4530-060	TO-1FZFE-1-S-66063S-06	-
321314	100,00	Std.	42,00	5,7	0	10.0:1	26	JG1006-3937	491	M,PS,R,T	C4530-060	TO-1FZFE-1-S-66063H-06	-
321315	100,50	0,50	42,00	5,0	0	10.0:1	26	JG1006-3957	494	M,PS,R,T	C4530-060	TO-1FZFE-1-S-66063H-06	-
321316	101,00	1,00	42,00	4,3	0	10.0:1	26	JG1006-3976	497	M,PS,R,T	C4530-060	TO-1FZFE-1-S-66063H-06	-
321317	100,00	Std.	42,00	17,6	0	11.5:1	26	JG1006-3937	493	M,R,V	C4530-060	TO-1FZFE-1-S-66063H-06	-
321318	100,50	0,50	42,00	17,0	0	11.5:1	26	JG1006-3957	497	M,R,V	C4530-060	TO-1FZFE-1-S-66063H-06	-
321319	101,00	1,00	42,00	16,4	0	11.5:1	26	JG1006-3976	499	M,R,V	C4530-060	TO-1FZFE-1-S-66063H-06	-
For 101,00 mm stroker crank													
321320	100,00	Std.	39,00	-17,1	0	8.5:1	26	JG1006-3937	459	M,R,T	C4530-060	TO-1FZFE-1-S-66063S-06	-
321321	100,50	0,50	39,00	-18,0	0	8.5:1	26	JG1006-3957	462	M,R,T	C4530-060	TO-1FZFE-1-S-66063S-06	-
321322	101,00	1,00	39,00	-19,0	0	8.5:1	26	JG1006-3976	466	M,R,T	C4530-060	TO-1FZFE-1-S-66063S-06	-
321323	100,00	Std.	39,00	0,5	0	10.0:1	26	JG1006-3937	465	M,R,T	C4530-060	TO-1FZFE-1-S-66063H-06	-
321324	100,50	0,50	39,00	-0,2	0	10.0:1	26	JG1006-3957	471	M,R,T	C4530-060	TO-1FZFE-1-S-66063H-06	-
321325	101,00	1,00	39,00	-1,0	0	10.0:1	26	JG1006-3976	-	M,R,T	C4530-060	TO-1FZFE-1-S-66063H-06	-
321326	100,00	Std.	39,00	13,1	0	11.5:1	26	JG1006-3937	-	M,R,V	C4530-060	TO-1FZFE-1-S-66063H-06	-
321327	100,50	0,50	39,00	12,5	0	11.5:1	26	JG1006-3957	-	M,R,V	C4530-060	TO-1FZFE-1-S-66063H-06	-
321328	101,00	1,00	39,00	11,8	0	11.5:1	26	JG1006-3976	-	M,R,V	C4530-060	TO-1FZFE-1-S-66063H-06	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B7990H(HX/0,025/0,25)	7M7989H(HX/0,025/0,25)	-	-	-	-
KING	CR6727XP	MB7049XP	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

TVR PISTONS

Speed 6 as in Tuscan

OEM Engine details 4,0 Ltr 24V(I6) | Engine code:AJP-6 | • Displacement:3996 cc | • Valves:24 | • Comp. Ratio:11,0:1 | • Head cc's:N/A | • Gasket thickness:1,48 | • Rod Length:143,00
Bore:96,00 | • Stroke:92,00 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
314926C	96,25	0,25	31,70	-9,5	-	11,0:1	21	JC2801-3789	369	M	C4527-060	TVR_BAJ6_0HS_5630B6H	-
347368C	96,50	0,50	31,70	-9,5	-	11,0:1	21	JC2801-3799	373	M	C4527-060	TVR_BAJ6_0HS_5630B6H	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

AJP-8 as in Cerbera

OEM Engine details 4,2 Ltr 16V | Engine code:AJP-8 | • Displacement:4185 cc | • Valves:16 | • Comp. Ratio:10,0:1 | • Head cc's:51,00 | • Gasket thickness:N/A | • Rod Length:136,75
Bore:88,00 | • Stroke:86,00 | • Block Ht:212,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
312670C(Right)	88,50	0,50	33,00	6,5	-	10,0:1	21	JG1001-3484	339	I,M,S	H2789SP1043F/H2790SP1043F(R/L)	-	-
312671C(Left)	88,50	0,50	33,00	6,5	-	10,0:1	21	JG1001-3484	339	I,M,S	H2789SP1043F/H2790SP1043F(R/L)	-	-
312670C-89(Right)	89,00	1,00	33,00	6,5	-	10,0:1	21	JG1001-3504	344	I,M,S	H2789SP1043F/H2790SP1043F(R/L)	-	-
312671C-89(Left)	89,00	1,00	33,00	6,5	-	10,0:1	21	JG1001-3504	344	I,M,S	H2789SP1043F/H2790SP1043F(R/L)	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

V.A.G. (Volkswagen/Audi/Škoda/Seat) PISTONS

1.3L 8V as in Polo MK2/Golf II

OEM Engine details 1,3 Ltr 8V | Engine code:GK/HK/AAV/2G/MH/NZ | • Displacement:1272 cc | • Valves:8 | • Comp. Ratio:9,2:1/9,5:1 | • Head cc's:0 | • Gasket thickness:1,75 | • Rod Length:N/A
Bore:75,00 | • Stroke:72,00 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
331826C	76,00	1,00	42,62	-31,9	-	11,0:1	20	JG1001-2992	316	M	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

1.3L 8V as in Polo G40

OEM Engine details 1,3 Ltr 8V G-Lader | Engine code:PY | • Displacement:1272 cc | • Valves:8 | • Comp. Ratio:8,0:1 | • Head cc's:0 | • Gasket thickness:1,75 | • Rod Length:122,00
Bore:75,00 | • Stroke:72,00 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE197M75	75,00	Std.	40,17	-27	-	8,0:1	20	7500XX	285	1,M,R	-	043EE14122	-
KE197M755	75,50	0,50	40,17	-27	-	8,0:1	20	7550XX	288	1,R	-	043EE14122	-
KE197M76	76,00	1,00	40,17	-27	-	8,0:1	20	7600XX	290	1,R	-	043EE14122	-
KE197M7625	76,25	1,25	40,17	-27	-	8,0:1	20	7625XX	290	1,M,R	-	043EE14122	-
KE197M765	76,50	1,50	40,17	-27	-	8,0:1	20	7650XX	291	1,M,R	-	043EE14122	-
KE197M77	77,00	2,00	40,17	-27	-	8,0:1	20	7700XX	300	1,M,R	-	043EE14122	-
KE195M75	75,00	Std.	40,17	-10	-	12,5:1	20	7500XX	-	1,M,R	-	043EE14122	-
KE195M755	75,50	0,50	40,17	-10	-	12,5:1	20	7550XX	284	1,M,R	-	043EE14122	-
KE195M76	76,00	1,00	40,17	-10	-	12,5:1	20	7600XX	288	1,M,R	-	043EE14122	-
KE195M7625	76,25	1,25	40,17	-10	-	12,5:1	20	7625XX	-	1,M,R	-	043EE14122	-
KE195M765	76,50	1,50	40,17	-10	-	12,5:1	20	7650XX	-	1,M,R	-	043EE14122	-
KE195M77	77,00	2,00	40,17	-10	-	12,5:1	20	7700XX	299	1,M,R	-	043EE14122	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	204-4203	-	-
KING	-	-	-			

1.4L 16V as in Polo MK III

OEM Engine details 1,4 Ltr 16V | Engine code:AFH/AFK/AHW | • Displacement:1390 cc | • Valves:16 | • Comp. Ratio:10,5:1 | • Head cc's:25,00 | • Gasket thickness:0,50 | • Rod Length:144,00
Bore:76,50 | • Stroke:80,00 | • Block Ht:214,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
325709C	76,70	0,20	28,80	-6,8	1,20--	10,5:1	17	XC7700	245	M,P,R	-	-	-
354482C	77,00	0,50	28,80	-6,8	1,20--	10,5:1	17	XC7700	247	M,P,R	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

COMPLEMENTARY PARTS

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

V.A.G. (Volkswagen/Audi/Škoda/Seat) PISTONS

COMPLEMENTARY PARTS

1.4L 16V TSI EA111 as in Golf 5

OEM Engine details 1,4 Ltr 16V | Engine code:CAVD/CAXA/CAVA/BLG | • Displacement:1390 cc | • Valves:16 | • Comp. Ratio:10,0:1 | • Head cc's:26,00 | • Gasket thickness:0,64 | • Rod Length:144,00

Bore:76,50 | • Stroke:75,60 | • Block Ht:211,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE192M765AP	76,50	Std.	29,11	-8,4	0,09-	10,0:1	19	7650XX	247	1,B,P,Q,R	C4980-032/338433R	R-VW-004-HR	-
KE192M77AP	77,00	0,50	29,11	-8,4	0,09-	10,0:1	19	7700XX	253	1,B,P,Q,R	C4980-032/338433R	R-VW-004-HR	-
KE192M775AP	77,50	1,00	29,11	-8,4	0,09-	10,0:1	19	7750XX	257	1,B,P,Q,R	338433R	R-VW-004-HR	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
363325	76,50	Std.	29,11	-8	0,09-	10,0:1	19	JG1004-3012	-	PS,R,T	C4980-032/338433R	R-VW-004-HR	-
363326	77,00	0,50	29,11	-8	0,09-	10,0:1	19	JG1004-3031	-	PS,R,T	C4980-032/338433R	R-VW-004-HR	-
363327	77,50	1,00	29,11	-8	0,09-	10,0:1	19	JG1004-3051	-	PS,R,T	338433R	R-VW-004-HR	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B5562H(HX/0,025/0,25)	-	-	-	-	-
KING	-	-	-			

Beetle Type 1,2 & 3 1967 & Up

OEM Engine details 1,5 Ltr 8V | Engine code:N/A | • Displacement:1500 cc | • Valves:8 | • Comp. Ratio:7,5:1 | • Head cc's:N/A | • Gasket thickness:N/A | • Rod Length:N/A

Bore:83,00 | • Stroke:69,00 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
For stroke 82(2276)/84(2232)/86(2387)/88(2442)													
K001ESV	94,00	11,0	35,00	0 FT	-	-	22	3701E	397	2	-	-	-
K633M94	94,00	11,0	35,00	0 FT	-	-	22	9400XX	410		-		-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

1.6L 8V as in Golf MK I

OEM Engine details 1,6 Ltr 8V | Engine code:EG/YS | • Displacement:1588 cc | • Valves:8 | • Comp. Ratio:9,5:1 | • Head cc's:2,50 | • Gasket thickness:1,75 | • Rod Length:136,00

Bore:79,50 | • Stroke:80,00 | • Block Ht:220,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
334981C	80,00	0,50	40,70	-16	-3,30	10,0:1	22	JG1001-3150	321	I,M	-	043DT17136	-
357784C	81,00	1,50	40,70	-7,3	-3,30	12,5:1	22	JG1001-3189	322	I,M	-	043DT17136	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	104-6002	-
KING	-	-	-			

1.6L 16V as in Polo GTI

OEM Engine details 1,6 Ltr 16V | Engine code:AJV/ARC/AVY | • Displacement:1598 cc | • Valves:16 | • Comp. Ratio:10,6-11,5:1 | • Head cc's:26,50 | • Gasket thickness:0,64 | • Rod Length:138,00

Bore:76,50 | • Stroke:86,90 | • Block Ht:210,75

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE255M765	76,50	Std.	29,27	-21,3	0,03-	8,8:1	17	7650XX	232	1,M,P,R	-	043EJ09138	-
KE255M77	77,00	0,50	29,27	-21,3	0,03-	8,8:1	17	7700XX	236	1,M,P,R	-	043EJ09138	-
KE255M775	77,50	1,00	29,27	-21,3	0,03-	8,8:1	17	7750XX	240	1,M,P,R	-	043EJ09138	-
KE254M765AP	76,50	Std.	29,27	-6	0,03-	12,2:1	17	7650XX	255	1,P,R	-	043EJ09138	-
KE254M77AP	77,00	0,50	29,27	-6	0,03-	12,2:1	17	7700XX	260	1,M,P,R	-	043EJ09138	-
KE254M775AP	77,50	1,00	29,27	-6	0,03-	12,2:1	17	7750XX	263	1,M,P,R	-	043EJ09138	-
For race use only !													
KE245M765	76,50	Std.	29,27	7	0,03-	16,0:1	17	7650XX	261	1,K,M,P	-	043EJ09138	-
KE245M77	77,00	0,50	29,27	7	0,03-	16,0:1	17	7700XX	268	1,K,M,P	-	043EJ09138	-
KE245M775	77,50	1,00	29,27	7	0,03-	16,0:1	17	7750XX	274	1,K,M,P	-	043EJ09138	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

V.A.G. (Volkswagen/Audi/Škoda/Seat) PISTONS

COMPLEMENTARY PARTS

1.8L 8V as in Golf G60

OEM Engine details 1,8 Ltr 8V | Engine code:PG | Bore:81,00 | • Displacement:1781 cc | • Stroke:86,40 | • Valves:8 | • Block Ht:220,00 | • Comp. Ratio:8,0:1 | • Head cc's:32,00 | • Gasket thickness:1,65 | • Rod Length:136,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE198M81AP	81,00	Std.	39,50	-16,5	1,30-	8,0:1	22	8100XX	355	1,R	C4247-066	043DS17136	-
KE198M8125AP	81,25	0,25	39,50	-16,5	1,30-	8,0:1	22	8125XX	358	1,R	C4247-066	043DS17136	-
KE198M815AP	81,50	0,50	39,50	-16,5	1,30-	8,0:1	22	8150XX	360	1,R	C4247-066	043DS17136	-
KE198M82AP	82,00	1,00	39,50	-16,5	1,30-	8,0:1	22	8200XX	365	1,R	C4247-066	043DS17136	-
KE198M825AP	82,50	1,50	39,50	-16,5	1,30-	8,0:1	22	8250XX	375	1,R	C4247-066	043DS17136	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1606H(HX/0,025/0,25/0,50)	5M1644H(HX/0,025/0,25/0,50)	2T1644	204-4701	104-6002	204-5402
KING	CR4104XP	MB5566XP	TW2010AM			

1.8L 8V as in Golf/Jetta '83-92

OEM Engine details 1,8 Ltr 8V | Engine code:HT/RD/PB/PF/RV/GN/GX/JH/DX | Bore:81,00 | • Displacement:1781 cc | • Stroke:86,40 | • Valves:8 | • Block Ht:220,00 | • Comp. Ratio:10,0:1 | • Head cc's:32,00 | • Gasket thickness:1,65 | • Rod Length:144,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE258M815 *	81,50	0,50	32,15	-9,6	0,65-	9,5:1	20	8150XX	315	1,M,R,T	W6177	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
KE258M82 *	82,00	1,00	32,15	-9,6	0,65-	9,5:1	20	8200XX	320	1,R,T	W6177	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
KE258M825 *	82,50	1,50	32,15	-9,6	0,65-	9,5:1	20	8250XX	325	1,R,T	W6177	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
K589M82	82,00	1,00	32,15	-9,6	0,65-	9,5:1	20	8200XX	320	1,M	W6177	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
K563M81AP	81,00	Std.	32,71	-7	0,09-	10,5-11,0:1	20	8100XX	318	1	W6177	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
K563M815AP	81,50	0,50	32,71	-7	0,09-	10,5-11,0:1	20	8150XX	323	1	W6177	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
K563M82AP	82,00	1,00	32,71	-7	0,09-	10,5-11,0:1	20	8200XX	329	1	W6177	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
For race use only !													
K512M82	82,00	1,00	33,50	0 FT	0,70	13,2:1	20	3228XC	303	1,2,M	C4247-066	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
K512M83	83,00	2,00	33,50	0 FT	0,70	13,2:1	20	3268XC	315	1,2,M	C4247-066	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-

* KE258M series has sufficient deck thickness to lower comp. ratio!

* Note: Use rod 343EL16144 for 21mm pin upgrade with custom pistons!!

*Riffle Drilled

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1606H(HX/0,025/0,25/0,50)	5M1644H(HX/0,025/0,25/0,50)	2T1644	204-4701	104-6004	204-5402
KING	CR4104XP	MB5566XP	TW2010AM			

1.8L 16V KR/PL as in Golf II/Ibiza

OEM Engine details 1,8 Ltr 16V | Engine code:KR/PL | Bore:81,00 | • Displacement:1781 cc | • Stroke:86,40 | • Valves:16 | • Block Ht:220,00 | • Comp. Ratio:10,0:1 | • Head cc's:46,00 | • Gasket thickness:1,75 | • Rod Length:144,00

C/R with 1,75mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE294M81AP	81,00	Std.	32,65	-7,4	0,15-	8,0:1	20	8100XX	300	1,F,M,Q	W6177	043DQ14144 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
KE294M8125AP	81,25	0,25	32,65	-7,4	0,15-	8,0:1	20	8125XX	300	1,F,Q	W6177	043DQ14144 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
KE294M815AP	81,50	0,50	32,65	-7,4	0,15-	8,0:1	20	8150XX	305	1,F,Q	W6177	043DQ14144 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
KE294M82AP	82,00	1,00	32,65	-7,4	0,15-	8,0:1	20	8200XX	310	1,F,Q	W6177	043DQ14144 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
KE294M825AP	82,50	1,50	32,65	-7,4	0,15-	8,0:1	20	8250XX	315	1,F,M,Q	W6177	043DQ14144 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
KE294M83AP	83,00	2,00	32,65	-7,4	0,15-	8,0:1	20	8300XX	324	1,F,M,Q	W6177	043DQ14144 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
KE186M81	81,00	Std.	32,65	-1	0,15-	8,8:1	20	8100XX	300	1,M,Q	W6177	043DQ14144 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
KE186M815	81,50	0,50	32,65	-1	0,15-	8,8:1	20	8150XX	305	1,M,Q	W6177	043DQ14144 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
KE186M82	82,00	1,00	32,65	-1	0,15-	8,8:1	20	8200XX	310	1,M,Q	W6177	043DQ14144 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
KE187M81	81,00	Std.	32,65	10,5	0,15-	11,0:1	20	8100XX	325	1,F,M,Q	W6177		-
KE187M8125	81,25	0,25	32,65	10,5	0,15-	11,0:1	20	8125XX	326	1,F,Q	W6177	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
KE187M815	81,50	0,50	32,65	10,5	0,15-	11,0:1	20	8150XX	331	1,F,M,Q	W6177	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
KE187M82	82,00	1,00	32,65	10,5	0,15-	11,0:1	20	8200XX	336	1,F,Q	W6177	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
KE187M825	82,50	1,50	32,65	10,5	0,15-	11,0:1	20	8250XX	341	1,F,M,Q	W6177	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
For 92,80 mm stroker crank and 20V cylinder head													
KE200M81	81,00	Std.	29,50	-14	0,10-	8,5:1	20	8100XX	291	1,M,Q	H3078SP2051S	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
KE200M8125	81,25	0,25	29,50	-14	0,10-	8,5:1	20	8125XX	293	1,M,Q	H3078SP2051S	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
KE200M815	81,50	0,50	29,50	-14	0,10-	8,5:1	20	8150XX	296	1,M,Q	H3078SP2051S	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
KE200M82	82,00	1,00	29,50	-14	0,10-	8,5:1	20	8200XX	301	1,Q	H3078SP2051S	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
KE200M825	82,50	1,50	29,50	-14	0,10-	8,5:1	20	8250XX	306	1,Q	H3078SP2051S	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-

*Riffle Drilled

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

V.A.G. (Volkswagen/Audi/Škoda/Seat) PISTONS

1.8L 16V KR/PL as in Golf II/Ibiza

OEM Engine details 1,8 Ltr 16V | Engine code:KR/PL | Bore:81,00 | • Displacement:1781 cc | • Stroke:86,40 | • Valves:16 | • Block Ht:220,00 | • Comp. Ratio:10,0:1 | • Head cc's:46,00 | • Gasket thickness:1,75 | • Rod Length:144,00

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
302353	81,00	Std.	32,80	-7,6	0	8,5:1	20	JG1004-3189	280	PS,Q,S,T	C4247-040	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
302356	81,50	0,50	32,80	-8,3	0	8,5:1	20	JG1004-3209	288	PS,Q,S,T	C4247-040	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
302359	82,00	1,00	32,80	-9	0	8,5:1	20	JG1004-3228	286	PS,Q,S,T	C4247-040	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
302354	81,00	Std.	32,80	4,8	0	10,5:1	20	JG1004-3189	295	PS,Q,S,V	C4247-040	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
302357	81,50	0,50	32,80	4,3	0	10,5:1	20	JG1004-3209	298	PS,Q,S,V	C4247-040	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
302360	82,00	1,00	32,80	3,8	0	10,5:1	20	JG1004-3228	301	PS,Q,S,V	C4247-040	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
302355	81,00	Std.	32,80	9,3	0	11,5:1	20	JG1004-3189	307	PS,Q,S,V	C4247-040	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
302358	81,50	0,50	32,80	8,8	0	11,5:1	20	JG1004-3209	311	PS,M,Q,S,V	C4247-040	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
302361	82,00	1,00	32,80	8,4	0	11,5:1	20	JG1004-3228	313	PS,Q,S,V	C4247-040	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
316236C	83,00	2,00	32,80	9,3	0	12,0:1	20	JG1001-3268	324	M,Q,S	C4247-040	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
342381C	83,50	2,50	32,80	9,3	0	12,0:1	20	JG1001-3287	329	M,Q,S	C4247-040	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
334286C	84,00	3,00	32,80	9,3	0	12,0:1	20	JG1001-3307	334	M,Q,S	C4247-040	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-

* Note: Use rod 343EL16144 for 21mm pin upgrade with custom pistons!!

*Riffle Drilled

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1606H(HX/0,025/0,25/0,50)	5M1644H(HX/0,025/0,25/0,50)	2T1644	204-4702	104-6004	204-5402
KING	CR4104XP	MB5566XP	TW2010AM			

1.8L 20V as in A3/A4/A6/S3/TT/Golf/Passat/Octavia/Toledo

OEM Engine details 1,8 Ltr 20V | Engine code:i.e AWM/AEB/APY/APX/BAM | Bore:81,00 | • Displacement:1781 cc | • Stroke:86,40 | • Valves:20 | • Block Ht:220,00 | • Comp. Ratio:9,5:1 | • Head cc's:44,00 | • Gasket thickness:1,22 | • Rod Length:144,00

C/R with 1,65 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K563M805	80,50	-0,50	32,71	-7	0,09-	8,5:1	20	3169XC	316	1,M,R	C4558-066	043DQ14144 / VW5669-787 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
K563M81AP	81,00	Std.	32,71	-7	0,09-	8,5:1	20	8100XX	318	1,R	C4558-066	043DQ14144 / VW5669-787 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
K563M815AP	81,50	0,50	32,71	-7	0,09-	8,5:1	20	8150XX	323	1,R	C4558-066	043DQ14144 / VW5669-787 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
K563M82AP	82,00	1,00	32,71	-7	0,09-	8,5:1	20	8200XX	329	1,R	C4558-066	043DQ14144 / VW5669-787 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
For 92,80 mm stroker crank (C/R with 1,00 mm head gasket)													
KE200M81	81,00	Std.	29,50	-14	0,10-	8,5:1	20	8100XX+GLS30	291	1,M,Q,R	C4558-040	043DQ14144 / VW5669-787 / R-AUD-001-I (Non-Tapered)/ R-AUD-003-I (Tapered)	C-AUD-001L
KE200M8125	81,25	0,25	29,50	-14	0,10-	8,5:1	20	8125XX+GLS30	293	1,M,Q,R	C4558-040	043DQ14144 / VW5669-787 / R-AUD-001-I (Non-Tapered)/ R-AUD-003-I (Tapered)	C-AUD-001L
KE200M815	81,50	0,50	29,50	-14	0,10-	8,5:1	20	8150XX+GLS30	296	1,M,Q,R	C4558-040	043DQ14144 / VW5669-787 / R-AUD-001-I (Non-Tapered)/ R-AUD-003-I (Tapered)	C-AUD-001L
KE200M82	82,00	1,00	29,50	-14	0,10-	8,5:1	20	8200XX+GLS30	301	1,Q,R	C4558-040	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	C-AUD-001L
KE200M825	82,50	1,50	29,50	-14	0,10-	8,5:1	20	8250XX+GLS31	306	1,Q,R	H3078SP6040S	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	C-AUD-001L

*Riffle Drilled

Asymmetrical FSR/FSR C/R with 0,76 mm head gasket - Round C/R with 1,30 mm head gasket - Ultra Series with 0,94 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
242909	81,00	Std.	32,66	-8,1	0,14-	8,5:1	20	JG1004-3189	296	PS,R,T	C4558-051	043DQ14144 / VW5669-787 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
302020	81,00	Std.	32,66	-10,6	0,14-	8,5:1	20	JG1004-3189	278	Q,S,T	C4558-030	043DQ14144 / VW5669-787 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
353823	81,00	Std.	32,66	-10,6	0,14-	8,5:1	20	JG1004-3189	-	F,PS,T	C4558-030	043DQ14144 / VW5669-787 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
242926	81,50	0,50	32,66	-8,7	0,14-	8,5:1	20	JG1004-3209	304	PS,R,T	C4558-051	043DQ14144 / VW5669-787 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
302022	81,50	0,50	32,66	-11,3	0,14-	8,5:1	20	JG1004-3209	284	Q,S,T	C4558-030	043DQ14144 / VW5669-787 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
353824	81,50	0,50	32,66	-11,3	0,14-	8,5:1	20	JG1004-3209	-	F,PS,T	C4558-030	043DQ14144 / VW5669-787 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
242928	82,00	1,00	32,66	-9,3	0,14-	8,5:1	20	JG1004-3228	310	PS,R,T	C4558-051	043DQ14144 / VW5669-787 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
302024	82,00	1,00	32,66	-12	0,14-	8,5:1	20	JG1004-3228	288	Q,S,T	C4558-030	043DQ14144 / VW5669-787 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
353825	82,00	1,00	32,66	-12	0,14-	8,5:1	20	JG1004-3228	-	F,PS,T	C4558-030	043DQ14144 / VW5669-787 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
295742	82,50	1,50	32,66	-12,2	0,14-	8,5:1	20	JG1004-3250	307	PS,R,T	C4559-051	043DQ14144 / VW5669-787 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
302026	82,50	1,50	32,66	-12,7	0,14-	8,5:1	20	JG1004-3250	289	Q,S,T	C4559-030	043DQ14144 / VW5669-787 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
353826	82,50	1,50	32,66	-12,7	0,14-	8,5:1	20	JG1004-3250	-	F,PS,T	C4559-030	043DQ14144 / VW5669-787 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
295744	83,00	2,00	32,66	-12,9	0,14-	8,5:1	20	JG1004-3268	310	PS,R,T	C4559-051	043DQ14144 / VW5669-787 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
302028	83,00	2,00	32,66	-13,4	0,14-	8,5:1	20	JG1004-3268	293	Q,S,T	C4559-030	043DQ14144 / VW5669-787 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
353827	83,00	2,00	32,66	-13,4	0,14-	8,5:1	20	JG1004-3268	-	F,PS,T	C4559-030	043DQ14144 / VW5669-787 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
242880	81,00	Std.	32,66	-2,7	0,14-	9,25:1	20	JG1004-3189	299	PS,R,T	C4558-051	043DQ14144 / VW5669-787 / R-AUD-001-IR*(Non-Tapered)/ R-AUD-003-I (Tapered)	-
302021	81,00	Std.	32,66	-5,3	0,14-	9,25:1	20	JG1004-3189	290	M,Q,S,T	C4558-030	043DQ14144 / VW5669-787 / R-AUD-001-IR*(Non-Tapered)/ R-AUD-003-I (Tapered)	-
353828	81,00	Std.	32,66	-5,3	0,14-	9,25:1	20	JG1004-3189	-	F,PS,T	C4558-030	043DQ14144 / VW5669-787 / R-AUD-001-IR*(Non-Tapered)/ R-AUD-003-I (Tapered)	-
242881	81,50	0,50	32,66	-3,1	0,14-	9,25:1	20	JG1004-3209	303	PS,R,T	C4558-051	043DQ14144 / VW5669-787 / R-AUD-001-IR*(Non-Tapered)/ R-AUD-003-I (Tapered)	-
302023	81,50	0,50	32,66	-5,9	0,14-	9,25:1	20	JG1004-3209	295	Q,S,T	C4558-030	043DQ14144 / VW5669-787 / R-AUD-001-IR*(Non-Tapered)/ R-AUD-003-I (Tapered)	-
353829	81,50	0,50	32,66	-5,9	0,14-	9,25:1	20	JG1004-3209	-	F,PS,T	C4558-030	043DQ14144 / VW5669-787 / R-AUD-001-IR*(Non-Tapered)/ R-AUD-003-I (Tapered)	-
242882	82,00	1,00	32,66	-3,6	0,14-	9,25:1	20	JG1004-3228	308	PS,R,T	C4558-051	043DQ14144 / VW5669-787 / R-AUD-001-IR*(Non-Tapered)/ R-AUD-003-I (Tapered)	-
302025	82,00	1,00	32,66	-6,5	0,14-	9,25:1	20	JG1004-3228	297	Q,S,T	C4558-030	043DQ14144 / VW5669-787 / R-AUD-001-IR*(Non-Tapered)/ R-AUD-003-I (Tapered)	-
353830	82,00	1,00	32,66	-6,5	0,14-	9,25:1	20	JG1004-3228	-	F,PS,T	C4558-030	043DQ14144 / VW5669-787 / R-AUD-001-IR*(Non-Tapered)/ R-AUD-003-I (Tapered)	-
295743	82,50	1,50	32,66	-6	0,14-	9,25:1	20	JG1004-3250	310	PS,R,T	C4559-051	043DQ14144 / VW5669-787 / R-AUD-001-IR*(Non-Tapered)/ R-AUD-003-I (Tapered)	-
302027	82,50	1,50	32,66	-7	0,14-	9,25:1	20	JG1004-3250	296	Q,S,T	C4559-030	043DQ14144 / VW5669-787 / R-AUD-001-IR*(Non-Tapered)/ R-AUD-003-I (Tapered)	-
353831	82,50	1,50	32,66	-7	0,14-	9,25:1	20	JG1004-3250	-	F,PS,T	C4559-030	043DQ14144 / VW5669-787 / R-AUD-001-IR*(Non-Tapered)/ R-AUD-003-I (Tapered)	-
295745	83,00	2,00	32,66	-6,5	0,14-	9,25:1	20	JG1004-3268	312	PS,R,T	C4559-051	043DQ14144 / VW5669-787 / R-AUD-001-IR*(Non-Tapered)/ R-AUD-003-I (Tapered)	-
302029	83,00	2,00	32,66	-7,7	0,14-	9,25:1	20	JG1004-3268	297	Q,S,T	C4559-030	043DQ14144 / VW5669-787 / R-AUD-001-IR*(Non-Tapered)/ R-AUD-003-I (Tapered)	-
353832	83,00	2,00	32,66	-7,7	0,14-	9,25:1	20	JG1004-3268	-	F,PS,T	C4559-030	043DQ14144 / VW5669-787 / R-AUD-001-IR*(Non-Tapered)/ R-AUD-003-I (Tapered)	-
367855	81,00	Std	32,54	-2,8	0,14-	9.5:1	20	JG1004-3189	-	F,UL,T	C4558-036	043DQ14144 / VW5669-787 / R-AUD-001-IR*(Non-Tapered)/ R-AUD-003-I (Tapered)	-
367856	81,50	0,5	32,54	-3,4	0,14-	9.5:1	20	JG1004-3209	-	F,UL,T	C4558-036	043DQ14144 / VW5669-787 / R-AUD-001-IR*(Non-Tapered)/ R-AUD-003-I (Tapered)	-
367857	82,00	1,0	32,54	-3,9	0,14-	9.5:1	20	JG1004-3228	-	F,UL,T	C4558-036	043DQ14144 / VW5669-787 / R-AUD-001-IR*(Non-Tapered)/ R-AUD-003-I (Tapered)	-
367858	82,50	1,5	32,54	-4,5	0,14-	9.5:1	20	JG1004-3250	-	F,UL,T	C4559-036	043DQ14144 / VW5669-787 / R-AUD-001-IR*(Non-Tapered)/ R-AUD-003-I (Tapered)	-

For 95,50 mm stroker crank (C/R with 1,22 mm head gasket)

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

V.A.G. (Volkswagen/Audi/Škoda/Seat) PISTONS

COMPLEMENTARY PARTS

1.8L 20V as in A3/A4/A6/S3/TT/Golf/Passat/Octavia/Toledo

OEM Engine details 1,8 Ltr 20V | Engine code:i.e AWM/AEB/APY/APX/BAM | • Displacement:1781 cc | • Valves:20 | • Comp. Ratio:9,5:1 | • Head cc's:44,00 | • Gasket thickness:1,22 | • Rod Length:144,00

Bore:81,00 | • Stroke:86,40 | • Block Ht:220,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
332400C	82,50	1,50	28,24	-17	0,01-	8,5:1	20	JG1001-3250	293	F,M,T	C4559-051/338253R	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
307834C	83,00	2,00	28,24	-17	0,01-	8,5:1	20	JG1001-3268	299	F,I,M,T	C4559-051/338253R	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
341127C	83,00	2,00	28,24	-9,8	0,01-	9,5:1	20	JG1001-3268	302	F,M,T	C4559-051/338253R	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-

* Note: Use rod 343EL16144 for 21mm pin upgrade with custom pistons!!

*Riffle Drilled

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1606H(HX/0,025/0,25/0,50)	5M1644H(HX/0,025/0,25/0,50)	2T1644	204-4103/204-4101*	104-6004	204-5402/209-5401*
KING	CR4104XP	MB5566XP	TW2010AM			

* Depending on model - see ARP section!

1.8L 16V TSI EA888 Chain Driven

OEM Engine details 1,8 Ltr 16V | Engine code:CDAA | • Displacement:1795 cc | • Valves:16 | • Comp. Ratio:9,6:1 | • Head cc's: 46,00 | • Gasket thickness:0,90 | • Rod Length:148,00

Bore:82,50 | • Stroke:84,10 | • Block Ht: 220,00

C/R with 1,65 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
354655C	83,00	0,50	29,85	0,9	-	9,6:1	21	JG1001-3268	344	M,R,T	-	R-AUD-008I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

2.0L 8V as in Golf III/Jetta III//Passat 2E

OEM Engine details 2,0 Ltr 8V | Engine code:ABA | • Displacement:1984 cc | • Valves:8 | • Comp. Ratio:10,0:1 | • Head cc's:29,00 | • Gasket thickness:1,65 | • Rod Length:159,00

Bore:82,50 | • Stroke:92,80 | • Block Ht:236,00

C/R with 1,30 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K610M83	83,00	0,50	30,58	-25	0,02-	9,0:1	21	8300XX	289	1,M	-	043DQ16159 / R-VW-001-IL*	-
K610M835	83,50	1,00	30,58	-25	0,02-	9,0:1	21	8350XX	294	1,M	-	043DQ16159 / R-VW-001-IL*	-
K609M83	83,00	0,50	30,58	-15	0,02-	10,5:1	21	8300XX	290	1,M	-	043DQ16159 / R-VW-001-I	-
K609M835	83,50	1,00	30,58	-15	0,02-	10,5:1	21	8350XX	294	1,M	-	043DQ16159 / R-VW-001-I	-
For 20V cylinder head													
KE201M825	82,50	Std.	30,90	-19,4	0,30	8,0:1	21	8250XX	304	1,M,Q	-	043DQ16159 / R-VW-001-IL*	-
KE201M83	83,00	0,50	30,90	-19,4	0,30	8,0:1	21	8300XX	308	1,Q	-	043DQ16159 / R-VW-001-IL*	-
KE201M835	83,50	1,00	30,90	-19,4	0,30	8,0:1	21	8350XX	312	1,Q	-	043DQ16159 / R-VW-001-IL*	-

* Lightweight

C/R with 1,30 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
295733	82,50	Std.	30,60	-26	0	9,0:1	21	JG1004-3250	287	R,T	-	043DQ16159 / R-VW-001-IL*	-
302259	82,50	Std.	30,60	-24,9	0	9,0:1	21	JG1004-3250	275	F,PS,T	-	043DQ16159 / R-VW-001-IL*	-
295734	83,00	0,50	30,60	-26,8	0	9,0:1	21	JG1004-3268	289	R,T	-	043DQ16159 / R-VW-001-IL*	-
302261	83,00	0,5	30,60	-25,6	0	9,0:1	21	JG1004-3268	277	F,PS,T	-	043DQ16159 / R-VW-001-IL*	-
186239	82,50	Std.	30,81	-19,6	0,21	10,2:1	21	JG1004-3250	257	R,V	-	043DQ16159 / R-VW-001-I	-
186240	83,00	0,50	30,81	-19,6	0,21	10,2:1	21	JG1004-3268	258	R,V	-	043DQ16159 / R-VW-001-I	-
302260	82,50	Std.	30,60	-15,1	0	10,5:1	21	JG1004-3250	285	F,PS,V	-	043DQ16159 / R-VW-001-I	-
302262	83,00	0,50	30,60	-15,7	0	10,5:1	21	JG1004-3268	287	F,PS,V	-	043DQ16159 / R-VW-001-I	-
For 20V cylinder head													
332927C	83,00	0,50	30,90	-13	0,30	9,0:1	21	JG1001-3268	307	M	-	043DQ16159	-

* AGN blocks must use full round series!

* Lightweight

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1606H(HX/0,025/0,25/0,50)	5M1644H(HX/0,025/0,25/0,50)	2T1644	204-4103	104-6004	204-5402
KING	CR4104XP	MB5566XP	TW2010AM			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

V.A.G. (Volkswagen/Audi/Škoda/Seat) PISTONS

COMPLEMENTARY PARTS

2.0L 16V 9A as in Golf GTI/Jetta/Passat/Ibiza

OEM Engine details 2,0 Ltr 16V | Engine code:9A | • Displacement:1984 cc | • Valves:16 | • Comp. Ratio:10,5:1 | • Head cc's:46,00 | • Gasket thickness:1,65 | • Rod Length:144,00

Bore:82,50 | • Stroke:92,80 | • Block Ht:220,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K612M825	82,50	Std.	29,77	-11	0,17	9,0:1	20	8250XX	280	1,M,R	W6177	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
K612M83	83,00	0,50	29,77	-11	0,17	9,0:1	20	8300XX	283	1,R	W6177	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
K612M835	83,50	1,00	29,77	-11	0,17	9,0:1	20	8350XX	287	1,M,R	W6178	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
K611M83	83,00	0,50	29,77	4	0,17	11,0:1	20	8300XX	277	1,F,M	W6177	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
K611M835	83,50	1,00	29,77	4	0,17	11,0:1	20	8350XX	288	1,F,M	W6178	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
For 20V cylinder head													
KE200M825	82,50	Std.	29,50	-14	0,10-	8,5:1	20	8250XX	306	1,R	H3078SP2051S	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
												*Riffle Drilled	

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
301937	83,00	0,50	29,59	-15	0,01-	8,5:1	20	JG1004-3268	277	PS,Q,S,T	C4247-040	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
301940	83,50	1,00	29,59	-15,7	0,01-	8,5:1	20	JG1004-3287	279	PS,Q,S,T	C4246-040	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
301938	83,00	0,50	29,59	-7	0,01-	9,5:1	20	JG1004-3268	281	PS,Q,S,T	C4247-040	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
301941	83,50	1,00	29,59	-7,4	0,01-	9,5:1	20	JG1004-3287	286	PS,Q,S,T	C4246-040	043DQ14144 / VW5669-787 / R-AUD-001-IR* (Non-Tapered)/ R-AUD-003-I (Tapered)	-
325387C	82,50	Std.	29,59	4,1	0,01-	11,5:1	20	JG1001-3248	289	M,Q,S,V	C4247-040	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
301939	83,00	0,50	29,59	4,1	0,01-	11,5:1	20	JG1004-3268	292	PS,Q,S,V	C4247-040	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
301942	83,50	1,00	29,59	3,7	0,01-	11,5:1	20	JG1004-3287	295	PS,Q,S,V	C4246-040	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
302203C	82,50	Std.	29,59	10	0,01-	12,8:1	20	JG1001-3248	307	M,Q	C4247-040	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
332883C	83,50	1,00	29,59	8,9	0,01-	12,8:1	20	JG1001-3287	308	M,Q	C4246-040	043DQ14144 / R-AUD-001-H (Non-Tapered)/ R-AUD-003-I (Tapered)	-
* Note: Use rod 343EL16144 for 21mm pin upgrade with custom pistons!!												*Riffle Drilled	

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1606H(HX/0,025/0,25/0,50)	5M1644H(HX/0,025/0,25/0,50)	2T1644	204-4702	104-6004	204-5402
KING	CR4104XP	MB5566XP	TW2010AM			

2.0L 16V ABF as in Golf/Ibiza/A4/Octavia

OEM Engine details 2,0 Ltr 16V | Engine code:ABF | • Displacement:1984 cc | • Valves:16 | • Comp. Ratio:10,5:1 | • Head cc's:48,00 | • Gasket thickness:1,65 | • Rod Length:159,00

Bore:82,50 | • Stroke:92,80 | • Block Ht:236,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE188M825	82,50	Std.	30,60	-11	0	8,5:1	21	8250XX	291	1,F,Q	W6177	043DQ16159 / R-VW-001-I	-
KE188M83	83,00	0,50	30,60	-11	0	8,5:1	21	8300XX	300	1,F,M,Q	W6177	043DQ16159 / R-VW-001-I	-
KE188M835	83,50	1,00	30,60	-11	0	8,5:1	21	8350XX	305	1,F,Q	W6178	043DQ16159 / R-VW-001-I	-
KE188M84	84,00	1,50	30,60	-11	0	8,5:1	21	8400XX	310	1,F,Q	W6178	043DQ16159 / R-VW-001-I	-
KE190M825	82,50	Std.	30,60	4	0	10,5:1	21	8250XX	265	1,F,Q	W6177	043DQ16159 / R-VW-001-IL*	-
KE190M83	83,00	0,50	30,60	4	0	10,5:1	21	8300XX	335	1,F,Q	W6177	043DQ16159 / R-VW-001-IL*	-
KE190M835	83,50	1,00	30,60	4	0	10,5:1	21	8350XX	340	1,F,Q	W6178	043DQ16159 / R-VW-001-IL*	-
KE290M825	82,50	Std.	30,60	8	0	11,8:1	21	8250XX	330	1,F,Q	C4247-045	043DQ16159 / R-VW-001-IL*	-
KE290M8275	82,75	0,25	30,60	8	0	11,8:1	21	8300XX	334	1,A,F,M,Q	C4247-045	043DQ16159 / R-VW-001-IL*	-
KE290M83	83,00	0,50	30,60	8	0	11,8:1	21	8300XX	339	1,F,Q	C4247-045	043DQ16159 / R-VW-001-IL*	-
KE290M835	83,50	1,00	30,60	8	0	11,8:1	21	8350XX	345	1,F,Q	C4246-045	043DQ16159 / R-VW-001-IL*	-
For 20V cylinder head												* Lightweight	
KE201M825	82,50	Std.	30,90	-19,4	0,30	8,0:1	21	8250XX	304	1,M,Q,R	H3078SP6051S	043DQ16159 / R-VW-001-I	-
KE201M83	83,00	0,50	30,90	-19,4	0,30	8,0:1	21	8300XX	308	1,Q,R	H3078SP6051S	043DQ16159 / R-VW-001-I	-
KE201M835	83,50	1,00	30,90	-19,4	0,30	8,0:1	21	8350XX	312	1,Q,R	H3078SP2051S	043DQ16159 / R-VW-001-I	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
310083C	83,00	0,50	30,60	-19,3	0	8,0:1	21	JG1001-3268	288	M,S,T,X	C4247-040	043DQ16159 / R-VW-001-I	-
336448C	82,50	Std.	30,60	-9,2	0	8,5:1	21	JG1001-3250	280	M,S,T,W	C4247-066	043DQ16159 / R-VW-001-I	-
325749C	83,00	0,50	30,60	-9,4	0	8,5:1	21	JG1001-3268	297	M,S,T,W	C4246-066	043DQ16159 / R-VW-001-I	-
307055C	84,00	1,50	30,60	9,3	0	11,7:1	21	JG1001-3307	309	M,S,W	C4246-066	043DQ16159 / R-VW-001-IL*	-
338938C	83,50	1,00	30,60	13,5	0	13,0:1	21	JG1001-3287	325	M,S,W	C4246-066	043DQ16159 / R-VW-001-IL*	-
355149C	83,00	0,50	30,60	13,5	0	13,0:1	21	JG1001-3268	322	M,S,W,I	C4246-066	043DQ16159 / R-VW-001-IL*	-
338938C	83,50	1,00	30,60	13,5	0	13,0:1	21	JG1001-3287	325	M,S,W	C4246-066	043DQ16159 / R-VW-001-IL*	-
361957C	84,00	1,50	30,60	13,5	0	13,0:1	21	JG1001-3307	329	M,S,W	C4246-066	043DQ16159 / R-VW-001-IL*	-
												* Lightweight	

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1606H(HX/0,025/0,25/0,50)	5M1644H(HX/0,025/0,25/0,50)	2T1644	204-4702	104-6004	204-5402
KING	CR4104XP	MB5566XP	TW2010AM			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

V.A.G. (Volkswagen/Audi/Škoda/Seat) PISTONS

2.0L 16V TFSI EA113 Belt Driven as in Golf V

OEM Engine details 2,0 Ltr 16V | Engine code:AXX/BGB/BPJ/BPY/BWA | • Displacement:1984 cc | • Valves:16 | • Comp. Ratio:10,5:1 | • Head cc's:45,00 | • Gasket thickness:0,90 | • Rod Length:144,00

Bore:82,50 | • Stroke:92,80 | • Block Ht:220,00

Asymmetrical FSR C/R with 1,10 mm head gasket - FSR+Round C/R with 0,90 mm head gasket - Ultra Series C/R with 0,79 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
302337	82,50	Std,	29,60	-15,3	0	8,5:1	20	JG1004-3250	272	Q,S,T	C4541-045	043DQ14144 / VW5669-787 / R-AUD-001-IR** (Non-Tapered)/ R-AUD-003-I (Tapered)	C-AUD-001L
302341	83,00	0,50	29,60	-16	0	8,5:1	20	JG1004-3268	275	Q,S,T	C4541-045	043DQ14144 / VW5669-787 / R-AUD-001-IR** (Non-Tapered)/ R-AUD-003-I (Tapered)	C-AUD-001L
302346	83,50	1,00	29,60	-16,7	0	8,5:1	20	JG1004-3287	279	Q,S,T	C4541-045	043DQ14144 / VW5669-787 / R-AUD-001-IR** (Non-Tapered)/ R-AUD-003-I (Tapered)	C-AUD-001L
279930	82,50	Std,	29,60	-11,5	0	9,1:1	20	JG1004-3250	290	PS,R,T	C4541-036	043DQ14144 / VW5669-787 / R-AUD-001-IR** (Non-Tapered)/ R-AUD-003-I (Tapered)	C-AUD-001L
279931	83,00	0,50	29,60	-12,2	0	9,1:1	20	JG1004-3268	294	M,PS,R,T	C4541-036	043DQ14144 / VW5669-787 / R-AUD-001-IR** (Non-Tapered)/ R-AUD-003-I (Tapered)	C-AUD-001L
279932	83,50	1,00	29,60	-12,9	0	9,1:1	20	JG1004-3287	298	M,PS,R,T	C4541-036	043DQ14144 / VW5669-787 / R-AUD-001-IR** (Non-Tapered)/ R-AUD-003-I (Tapered)	C-AUD-001L
353833	82,50	Std,	29,60	-10,5	0	9,25:1	20	JG1004-3250	283	F,PS,T	C4541-036	043DQ14144 / VW5669-787 / R-AUD-001-IR** (Non-Tapered)/ R-AUD-003-I (Tapered)	C-AUD-001L
353834	83,00	0,50	29,60	-11,25	0	9,25:1	20	JG1004-3268	-	F,PS,T	C4541-036	043DQ14144 / VW5669-787 / R-AUD-001-IR** (Non-Tapered)/ R-AUD-003-I (Tapered)	C-AUD-001L
353835	83,50	1,00	29,60	-11,9	0	9,25:1	20	JG1004-3287	-	F,PS,T	C4541-036	-	
302338	82,50	Std,	29,60	-7,4	0	9,5:1	20	JG1004-3250	278	Q,S,T	C4541-045	043DQ14144 / VW5669-787 / R-AUD-001-IR** (Non-Tapered)/ R-AUD-003-I (Tapered)	C-AUD-001L
367866	82,50	Std,	29,30	-7,4	0	9,5:1	20	JG1004-3250	-	F,UL,T	C4541-030	043DQ14144 / VW5669-787 / R-AUD-001-IR** (Non-Tapered)/ R-AUD-003-I (Tapered)	C-AUD-001L
302342	83,00	0,50	29,60	-8	0	9,5:1	20	JG1004-3268	282	Q,S,T	C4541-045	043DQ14144 / VW5669-787 / R-AUD-001-IR** (Non-Tapered)/ R-AUD-003-I (Tapered)	C-AUD-001L
367867	83,00	0,50	29,30	-8,1	0	9,5:1	20	JG1004-3268	-	F,UL,T	C4541-030	043DQ14144 / VW5669-787 / R-AUD-001-IR** (Non-Tapered)/ R-AUD-003-I (Tapered)	C-AUD-001L
302348	83,50	1,00	29,60	-8,7	0	9,5:1	20	JG1004-3287	285	Q,S,T	C4541-045	043DQ14144 / VW5669-787 / R-AUD-001-IR** (Non-Tapered)/ R-AUD-003-I (Tapered)	C-AUD-001L
367868	83,5	1,00	29,30	-8,7	0	9,5:1	20	JG1004-3287	-	F,UL,T	C4541-030	043DQ14144 / VW5669-787 / R-AUD-001-IR** (Non-Tapered)/ R-AUD-003-I (Tapered)	C-AUD-001L
353836	82,50	Std,	29,60	-5,5	0	10,0:1	20	JG1004-3250	-	F,PS,T	C4541-036	043DQ14144 / VW5669-787 / R-AUD-001-I (Non-Tapered) / R-AUD-003-I (Tapered)	C-AUD-001L
353837	83,00	0,50	29,60	-6,2	0	10,0:1	20	JG1004-3268	-	F,PS,T	C4541-036	043DQ14144 / VW5669-787 / R-AUD-001-I (Non-Tapered) / R-AUD-003-I (Tapered)	C-AUD-001L
353838	83,50	1,00	29,60	-6,8	0	10,0:1	20	JG1004-3287	-	F,PS,T	C4541-036	043DQ14144 / VW5669-787 / R-AUD-001-I (Non-Tapered) / R-AUD-003-I (Tapered)	C-AUD-001L
284779	82,50	Std,	29,60	-3,7	0	10,3:1	20	JG1004-3250	297	PS,R,T	C4541-036	043DQ14144 / VW5669-787 / R-AUD-001-I (Non-Tapered) / R-AUD-003-I (Tapered)	C-AUD-001L
284780	83,00	0,50	29,60	-4,3	0	10,3:1	20	JG1004-3268	301	PS,R,T	C4541-036	043DQ14144 / VW5669-787 / R-AUD-001-I (Non-Tapered) / R-AUD-003-I (Tapered)	C-AUD-001L
284781	83,50	1,00	29,60	-4,9	0	10,3:1	20	JG1004-3287	305	M,PS,R,T	C4541-036	043DQ14144 / VW5669-787 / R-AUD-001-I (Non-Tapered) / R-AUD-003-I (Tapered)	C-AUD-001L
302339	82,50	Std,	29,60	-1,3	0	10,5:1	20	JG1004-3250	285	Q,S,T	C4541-045	043DQ14144 / VW5669-787 / R-AUD-001-I (Non-Tapered) / R-AUD-003-I (Tapered)	C-AUD-001L
302343	83,00	0,50	29,60	-1,9	0	10,5:1	20	JG1004-3268	291	Q,S,T	C4541-045	043DQ14144 / VW5669-787 / R-AUD-001-I (Non-Tapered) / R-AUD-003-I (Tapered)	C-AUD-001L
302349	83,50	1,00	29,60	-2,4	0	10,5:1	20	JG1004-3287	294	Q,S,T	C4541-045	043DQ14144 / VW5669-787 / R-AUD-001-I (Non-Tapered) / R-AUD-003-I (Tapered)	C-AUD-001L
291883	82,50	Std,	29,60	-0,5	0	10,9:1	20	JG1004-3250	301	PS,R,T	C4541-036	043DQ14144 / VW5669-787 / R-AUD-001-I (Non-Tapered) / R-AUD-003-I (Tapered)	C-AUD-001L
291884	83,00	0,50	29,60	-0,5	0	11,0:1	20	JG1004-3268	309	PS,R,T	C4541-036	043DQ14144 / VW5669-787 / R-AUD-001-I (Non-Tapered) / R-AUD-003-I (Tapered)	C-AUD-001L
291885	83,50	1,00	29,60	-0,5	0	11,1:1	20	JG1004-3287	313	M,PS,R,T	C4541-036	043DQ14144 / VW5669-787 / R-AUD-001-I (Non-Tapered) / R-AUD-003-I (Tapered)	C-AUD-001L

* Note: Use rod 343EL16144 for 21mm pin upgrade with EA888 pistons!!

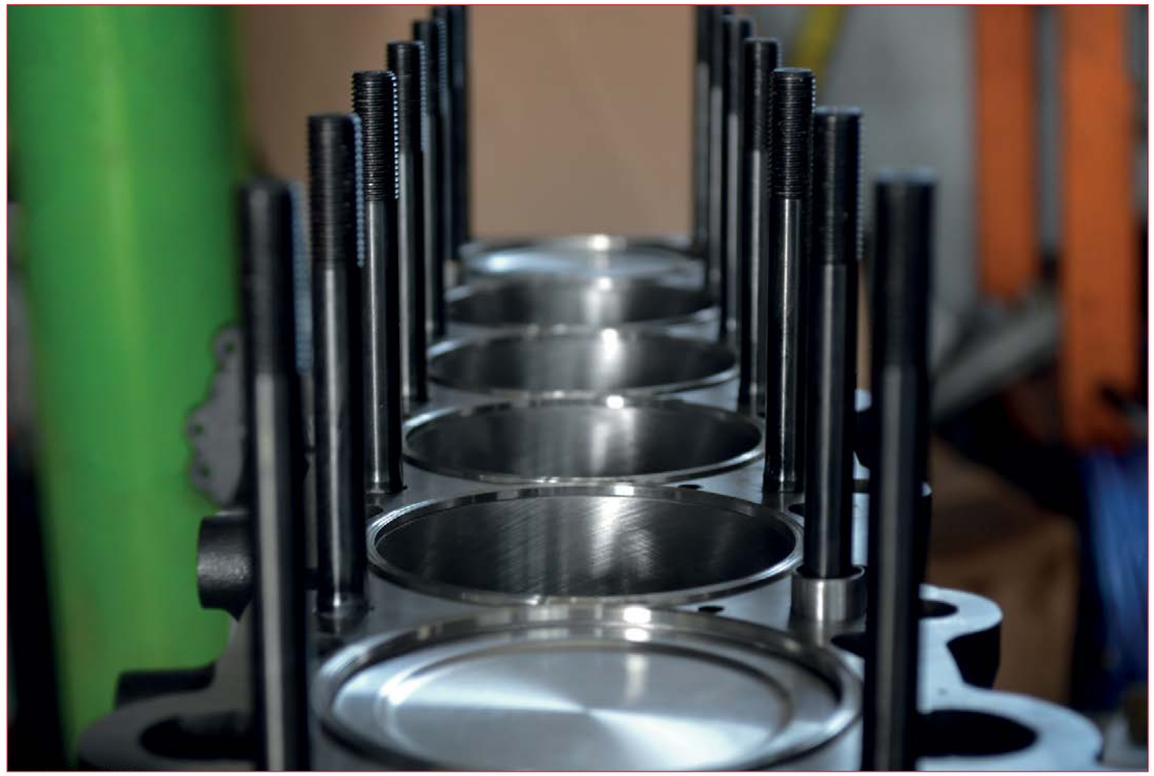
**Riffle Drilled

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B1609H(HX/0,025/0,25) (with notch - OEM rod)	-	-	204-4302	204-6302	204-5408
	4B1606H(HX/0,025/0,25) (without notch)	-	-			
KING	-	MB5661XP	-			



When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

COMPLEMENTARY PARTS



Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

V.A.G. (Volkswagen/Audi/Škoda/Seat) PISTONS

COMPLEMENTARY PARTS

2,0L 16V TSI EA888 Chain Driven as in Golf VI

OEM Engine details 2,0 Ltr 16V | Engine code:CAWA/CAWB/CCTA/CCZB/CAEA | • Displacement:1984 cc | • Valves:16 | • Comp. Ratio:9,6:1 | • Head cc's:46,00 | • Gasket thickness:0,90 | • Rod Length:144,00

Bore:82,50 | • Stroke:92,80 | • Block Ht:220,00

C/R with 0,79 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
314311	82,50	Std,	29,60	-10,8	0	9,1:1	21	JG1004-3250	295	M,PS,R,T	C4976-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
314312	83,00	0,50	29,60	-11,5	0	9,1:1	21	JG1004-3268	297	M,PS,R,T	C4977-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
314313	83,50	1,00	29,60	-12,3	0	9,1:1	21	JG1004-3287	302	M,PS,R,T	C4977-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
314317	82,50	Std,	29,60	-10,8	0	9,1:1	21	JG1004-3250	272	M,Q,S,T	C4976-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
314318	83,00	0,50	29,60	-11,5	0	9,1:1	21	JG1004-3268	276	M,Q,S,T	C4977-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
314319	83,50	1,00	29,60	-12,3	0	9,1:1	21	JG1004-3287	280	M,Q,S,T	C4977-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
353839	82,50	Std,	29,60	-7,1	0	9,6:1	21	JG1004-3250	-	F,PS,T	C4976-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
367860	82,50	Std,	29,30	-5,7	0	9,6:1	21	JG1004-3250	-	F,UL,T	C4976-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
353840	83,00	0,50	29,60	-7,8	0	9,6:1	21	JG1004-3268	-	F,PS,T	C4977-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
367861	83,00	0,50	29,30	-6,4	0	9,6:1	21	JG1004-3268	-	F,UL,T	C4977-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
353841	83,50	1,00	29,60	-8,4	0	9,6:1	21	JG1004-3287	-	F,PS,T	C4977-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
367862	83,50	1,00	29,30	-7	0	9,6:1	21	JG1004-3287	-	F,UL,T	C4977-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
329244	82,50	Std,	29,60	-7,1	0	9,6:1	21	JG1004-3250	290	PS,R,T	C4976-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
329245	83,00	0,50	29,60	-7,8	0	9,6:1	21	JG1004-3268	294	PS,R,T	C4977-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
329246	83,50	1,00	29,60	-8,4	0	9,6:1	21	JG1004-3287	299	PS,R,T	C4977-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
329247	82,50	Std,	29,60	-7,1	0	9,6:1	21	JG1004-3250	274	Q,S,T	C4976-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
329248	83,00	0,50	29,60	-7,8	0	9,6:1	21	JG1004-3268	278	Q,S,T	C4977-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
329249	83,50	1,00	29,60	-8,4	0	9,6:1	21	JG1004-3287	282	Q,S,T	C4977-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
353842	82,50	Std,	29,60	-4,5	0	10,0:1	21	JG1004-3250	-	F,PS,T	C4976-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
353843	83,00	0,50	29,60	-5,2	0	10,0:1	21	JG1004-3268	-	F,PS,T	C4977-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
353844	83,50	1,00	29,60	-5,8	0	10,0:1	21	JG1004-3287	-	F,PS,T	C4977-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
314314	82,50	Std,	29,60	-3,0	0	10,3:1	21	JG1004-3250	305	M,PS,R,T	C4976-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
314315	83,00	0,50	29,60	-3,6	0	10,3:1	21	JG1004-3268	309	M,PS,R,T	C4977-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
314316	83,50	1,00	29,60	-4,3	0	10,3:1	21	JG1004-3287	313	PS,R,T	C4977-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
314320	82,50	Std,	29,60	-3,0	0	10,3:1	21	JG1004-3250	297	M,PS,Q,S,T	C4976-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
314321	83,00	0,50	29,60	-3,6	0	10,3:1	21	JG1004-3268	300	M,PS,Q,S,T	C4977-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
314322	83,50	1,00	29,60	-4,3	0	10,3:1	21	JG1004-3287	303	M,PS,Q,S,T	C4977-030(-'12) / C4978-030('12+)	343PE16144/343EL16144 / VW5669-827	-
22mm Pin Pistons (C/R with 0,90 mm head gasket)													
353849	82,50	Std,	29,60	-7,1	0	9,6:1	22	JG1004-3250	-	F,PS,T	C4976-036(-'12) / C4978-036('12+)	043DQ17144N / AU_BTTRS_0HS_5670B6S-04 / VW5669-866	-
345812	82,50	Std,	29,60	-7,1	0	9,6:1	22	JG1004-3250	292	PS,R,T	C4976-036(-'12) / C4978-036('12+)	043DQ17144N / AU_BTTRS_0HS_5670B6S-04 / VW5669-866	-
353850	83,00	0,50	29,60	-7,8	0	9,6:1	22	JG1004-3268	-	F,PS,T	C4977-036(-'12) / C4978-036('12+)	043DQ17144N / AU_BTTRS_0HS_5670B6S-04 / VW5669-866	-
345814	83,00	0,50	29,60	-7,8	0	9,6:1	22	JG1004-3268	299	PS,R,T	C4977-036(-'12) / C4978-036('12+)	043DQ17144N / AU_BTTRS_0HS_5670B6S-04 / VW5669-866	-
353851	83,50	1,00	29,60	-8,4	0	9,6:1	22	JG1004-3287	-	F,PS,T	C4977-036(-'12) / C4979-036('12+)	043DQ17144N / AU_BTTRS_0HS_5670B6S-04 / VW5669-866	-
353848	83,50	1,00	29,60	-8,4	0	9,6:1	22	JG1004-3287	-	PS,R,T	C4977-036(-'12) / C4979-036('12+)	043DQ17144N / AU_BTTRS_0HS_5670B6S-04 / VW5669-866	-
353852	82,50	Std,	29,60	-4,5	0	10,0:1	22	JG1004-3250	-	F,PS,T	C4976-036(-'12) / C4978-036('12+)	043DQ17144N / AU_BTTRS_0HS_5670B6S-04 / VW5669-866	-
353845	82,50	Std,	29,60	-4,5	0	10,0:1	22	JG1004-3250	-	PS,R,T	C4976-036(-'12) / C4978-036('12+)	043DQ17144N / AU_BTTRS_0HS_5670B6S-04 / VW5669-866	-
353853	83,00	0,50	29,60	-5,2	0	10,0:1	22	JG1004-3268	-	F,PS,T	C4977-036(-'12) / C4978-036('12+)	043DQ17144N / AU_BTTRS_0HS_5670B6S-04 / VW5669-866	-
353846	83,00	0,50	29,60	-5,2	0	10,0:1	22	JG1004-3268	-	PS,R,T	C4977-036(-'12) / C4978-036('12+)	043DQ17144N / AU_BTTRS_0HS_5670B6S-04 / VW5669-866	-
353854	83,50	1,00	29,60	-5,8	0	10,0:1	22	JG1004-3287	-	F,PS,T	C4977-036(-'12) / C4979-036('12+)	043DQ17144N / AU_BTTRS_0HS_5670B6S-04 / VW5669-866	-
353847	83,50	1,00	29,60	-5,8	0	10,0:1	22	JG1004-3287	-	PS,R,T	C4977-036(-'12) / C4979-036('12+)	043DQ17144N / AU_BTTRS_0HS_5670B6S-04 / VW5669-866	-
23mm Pin Pistons (C/R with 0,90 mm head gasket)(Ultra Series C/R with 0,79 mm head gasket)													
353859	82,50	Std,	29,60	-7,1	0	9,6:1	23	JG1004-3250	-	F,PS,T	C4976-036(-'12) / C4978-036('12+)	VW_BTSI_3HS_5670B6S-04/R-AUD-008-IR / VW5669-905	-
345817	82,50	Std,	29,60	-7,1	0	9,6:1	23	JG1004-3250	291	PS,R,T	C4976-036(-'12) / C4978-036('12+)	VW_BTSI_3HS_5670B6S-04/R-AUD-008-IR / VW5669-905	-
367863	82,50	Std,	29,30	-5,7	0	9,6:1	23	JG1004-3250	-	F,UL,T	C4977-030(-'12) / C4978-030('12+)	VW_BTSI_3HS_5670B6S-04/R-AUD-008-IR / VW5669-905	-
353860	83,00	0,50	29,60	-7,8	0	9,6:1	23	JG1004-3268	-	F,PS,T	C4977-036(-'12) / C4978-036('12+)	VW_BTSI_3HS_5670B6S-04/R-AUD-008-IR / VW5669-905	-
345819	83,00	0,50	29,60	-7,8	0	9,6:1	23	JG1004-3268	297	PS,R,T	C4977-036(-'12) / C4978-036('12+)	VW_BTSI_3HS_5670B6S-04/R-AUD-008-IR / VW5669-905	-
367864	83,00	0,50	29,30	-6,4	0	9,6:1	23	JG1004-3287	-	F,UL,T	C4977-030(-'12) / C4978-030('12+)	VW_BTSI_3HS_5670B6S-04/R-AUD-008-IR / VW5669-905	-
353861	83,50	1,00	29,60	-8,4	0	9,6:1	23	JG1004-3287	-	F,PS,T	C4977-036(-'12) / C4979-036('12+)	VW_BTSI_3HS_5670B6S-04/R-AUD-008-IR / VW5669-905	-
353858	83,50	1,00	29,60	-8,4	0	9,6:1	23	JG1004-3287	-	PS,R,T	C4977-036(-'12) / C4979-036('12+)	VW_BTSI_3HS_5670B6S-04/R-AUD-008-IR / VW5669-905	-
367865	83,50	1,00	29,30	-7,0	0	9,6:1	23	JG1004-3287	-	F,UL,T	C4977-030(-'12) / C4978-030('12+)	VW_BTSI_3HS_5670B6S-04/R-AUD-008-IR / VW5669-905	-
353862	82,50	Std,	29,60	-4,5	0	10,0:1	23	JG1004-3250	-	F,PS,T	C4976-036(-'12) / C4978-036('12+)	VW_BTSI_3HS_5670B6S-04/R-AUD-008-IR / VW5669-905	-
353855	82,50	Std,	29,60	-4,5	0	10,0:1	23	JG1004-3250	-	PS,R,T	C4976-036(-'12) / C4978-036('12+)	VW_BTSI_3HS_5670B6S-04/R-AUD-008-IR / VW5669-905	-
353863	83,00	0,50	29,60	-5,2	0	10,0:1	23	JG1004-3268	-	F,PS,T	C4977-036(-'12) / C4978-036('12+)	VW_BTSI_3HS_5670B6S-04/R-AUD-008-IR / VW5669-905	-
353856	83,00	0,50	29,60	-5,2	0	10,0:1	23	JG1004-3268	-	PS,R,T	C4977-036(-'12) / C4978-036('12+)	VW_BTSI_3HS_5670B6S-04/R-AUD-008-IR / VW5669-905	-
353864	83,50	1,00	29,60	-5,8	0	10,0:1	23	JG1004-3287	-	F,PS,T	C4977-036(-'12) / C4979-036('12+)	VW_BTSI_3HS_5670B6S-04/R-AUD-008-IR / VW5669-905	-
353857	83,50	1,00	29,60	-5,8	0	10,0:1	23	JG1004-3287	-	PS,R,T	C4977-036(-'12) / C4979-036('12+)	VW_BTSI_3HS_5670B6S-04/R-AUD-008-IR / VW5669-905	

Note: Must use DLC coated pins if using 23mm pin OEM rods !

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B5562H(HX/0,025/0,25)	5M5563H(HX/0,025/0,25)	-	204-4302	204-6302	204-5408
KING	CR4597XP	MB5661XP				

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

V.A.G. (Volkswagen/Audi/Škoda/Seat) PISTONS

COMPLEMENTARY PARTS

2.2L 20V as in Audi RS2

OEM Engine details 2,2 Ltr 20V | Engine code:3B/RR/AAN/ABY/ADU • Displ.:2226 cc • Valves:20 • Comp. Ratio:9,3:1 • Head cc's:46,00 • Gasket thickness:1,65 • Rod Length:144,00
Bore:81,00 • Stroke:86,40 • Block Ht:220,00

C/R with 1,00 mm head gasket/KE295M/KE296M/KE298M with 1,65 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE222M81	81,00	Std.	32,80	-21	0	7,2:1	20	8100XX	280	1,F,M,Q	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE222M815	81,50	0,50	32,80	-21	0	7,2:1	20	8150XX	283	1,F,M,Q	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE222M82	82,00	1,00	32,80	-21	0	7,2:1	20	8200XX	289	1,F,M,Q	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE222M83	83,00	2,00	32,80	-21	0	7,2:1	20	8300XX	302	1,F,M,Q	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE322M815	81,50	0,50	32,80	-21	0	7,2:1	20	8150XX	314	1,M,R	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE322M82	82,00	1,00	32,80	-21	0	7,2:1	20	8200XX	319	1,M,R	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE295M81AP	81,00	Std.	32,65	-7,4	0,15-	8,1:1	20	8100XX	300	1,F,Q,M	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE295M8125AP	81,25	0,25	32,65	-7,4	0,15-	8,1:1	20	8125XX	300	1,F,Q	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE295M815AP	81,50	0,50	32,65	-7,4	0,15-	8,1:1	20	8150XX	305	1,F,Q	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE295M82AP	82,00	1,00	32,65	-7,4	0,15-	8,1:1	20	8200XX	310	1,F,Q	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE295M825AP	82,50	1,50	32,65	-7,4	0,15-	8,1:1	20	8250XX	315	1,F,Q,M	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE295M83AP	83,00	2,00	32,65	-7,4	0,15-	8,1:1	20	8300XX	320	1,F,Q,M	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE296M81AP	81,00	Std.	32,65	-0,6	0,15-	9,0:1	20	8100XX	-	1,F,Q,M	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE296M815AP	81,50	0,50	32,65	-0,6	0,15-	9,0:1	20	8150XX	-	1,F,Q	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE296M82AP	82,00	1,00	32,65	-1,3	0,15-	9,0:1	20	8200XX	-	1,F,Q	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE296M825AP	82,50	1,50	32,65	-1,3	0,15-	9,0:1	20	8250XX	-	1,F,Q,M	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
For 92,80 mm stroker crank (C/R with 1,65 mm head gasket)													
KE298M81AP	81,00	Std.	29,45	-4,8	0,15-	9,0:1	20	8100XX	-	1,F,Q,M	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE298M815AP	81,50	0,50	29,45	-4,8	0,15-	9,0:1	20	8150XX	-	1,F,Q,M	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE298M82AP	82,00	1,00	29,45	-5,5	0,15-	9,0:1	20	8200XX	-	1,F,Q,M	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE298M825AP	82,50	1,50	29,45	-5,5	0,15-	9,0:1	20	8250XX	-	1,F,Q,M	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-

C/R with 1,00 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
302228	81,00	Std,	32,80	-7,6	0	8,5:1	20	JG1005-3189	279	PS,Q,S,T	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
302229	81,50	0,50	32,80	-8,3	0	8,5:1	20	JG1005-3209	285	PS,Q,S,T	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
335827C	82,00	1,00	32,80	-8,3	0	8,5:1	20	JG1001-3228	292	M,Q,S,T	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
330085C-81	81,00	Std,	32,80	-0,6	0	9,5:1	20	JG1001-3189	290	M,Q,S,T	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
330085C	81,50	0,50	32,80	-0,9	0	9,5:1	20	JG1001-3209	296	M,Q,S,T	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
338992C	82,00	1,00	32,80	-1,2	0	9,5:1	20	JG1001-3228	302	M,Q,S,T	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	204-4704	-	204-5404(85MM) *
KING	-	MB 605XP	TW2009AM			

*Main =Use 204-5RS2(102MM) for 3B+AAN

2.3L 20V as in Audi 90

OEM Engine details 2,3 Ltr 20V | Engine code:7A • Displacement:2309 cc • Valves:20 • Comp. Ratio:10,3:1 • Head cc's:44,00 • Gasket thickness:1,80 • Rod Length:144,00
Bore:82,50 • Stroke:86,40 • Block Ht:220,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE261M825	82,50	Std.	33,40	-12,7	0,60	8,5:1	20	8250XX	-	1,M	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE261M83	83,00	0,50	33,40	-12,7	0,60	8,5:1	20	8300XX	335	1,M	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE261M835	83,50	1,00	33,40	-12,7	0,60	8,5:1	20	8350XX	-	1,M	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE262M825	82,50	Std.	33,40	2	0,60	10,5:1	20	8250XX	329	1,M	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE262M83	83,00	0,50	33,40	2	0,60	10,5:1	20	8300XX	330	1,M	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-
KE262M835	83,50	1,00	33,40	2	0,60	10,5:1	20	8350XX	-	1,M	-	043DP14144 / VW5670-787 / R-AUD-004-I (Non-Tapered)	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	CR 505XP	MB 605XP	TW2009AM			

2.3L 10V VR5 as in Golf IV/Bora/Passat/Toledo

OEM Engine details 2,3 Ltr 10V | Engine code:AGZ • Displacement:2324 cc • Valves:10 • Comp. Ratio:10,0:1 • Head cc's:0 • Gasket thickness:0,70 • Rod Length:164,00
Bore:81,00 • Stroke:90,20 • Block Ht:242,00

C/R with 0,70 mm head gasket and 25cc head

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
6608M82(5x)	82,00	1,00	32,38	-26,2	0,52-	9,0:1	20	8200XX	278	1,R	-	VWH6457BNCB1-C(5x)	-
6608M825(5x)	82,50	1,50	32,38	-26,2	0,52-	9,0:1	20	8250XX	283	1,M,R	-	VWH6457BNCB1-C(5x)	-
6608M83(5x)	83,00	2,00	32,38	-26,2	0,52-	9,0:1	20	8300XX	288	1,R	-	VWH6457BNCB1-C(5x)	-

C/R with 0,70 mm head gasket and 39cc head

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
331457C	83,00	2,00	32,39	-25,7	0,51-	8,0:1	20	JG1001-3268	308	I,M	-	VWH6457BNCB1-C(5x)	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B5530H(HX/0,025/0,25)	7M5532H(HX/0,025/0,25)	-	-	-	-
KING	CR6764XP	MB7089XP	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

V.A.G. (Volkswagen/Audi/Škoda/Seat) PISTONS

COMPLEMENTARY PARTS

2.3L 20V VR5 as in Toledo/Golf IV/Bora/Passat

OEM Engine details 2,3 Ltr 20V | Engine code:AQN/AZX | • Displacement:2324 cc | • Valves:20 | • Comp. Ratio:10,0:1 | • Head cc's:39,00 | • Gasket thickness:1,22 | • Rod Length:164,00

Bore:81,00 | • Stroke:90,20 | • Block Ht:247,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE203M81	81,00	Std.	37,10	-20,2	0,80-	8,0:1	20	8100XX	348	1,M,O,R	-	-	-
KE203M8125	81,25	0,25	37,10	-20,2	0,80-	8,0:1	20	8125XX	350	1,M,O,R	-	-	-
KE203M815	81,50	0,50	37,10	-20,2	0,80-	8,0:1	20	8150XX	353	1,M,O,R	-	KE-VWH6457BNCB1-C(5x)	-
KE203M82	82,00	1,00	37,10	-20,2	0,80-	8,0:1	20	8200XX	358	1,M,O,R	-	KE-VWH6457BNCB1-C(5x)	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B5530H(HX/0,025/0,25)	7M5532H(HX/0,025/0,25)	-	204-4VR5	204-6006	204-5403
KING	CR6764XP	MB7089XP	-			

2.5L 20V as in TTRS/RS3

OEM Engine details 2,5 Ltr 20V | Engine code:CEPA/CEPB | • Displacement:2480 cc | • Valves:20 | • Comp. Ratio:10,0:1 | • Head cc's:46,00 | • Gasket thickness:0,90 | • Rod Length:144,00

Bore:82,50 | • Stroke:92,80 | • Block Ht:220,00

C/R with 0,84 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
337966	82,50	Std.	29,60	-7,5	0	9.5:1	22	JG1005-3250	311	M,PS,S,T	330072R	AU_BTTRS_0HS_5670B6S-05 / R-AUD-010-I-5 / 5670-866	-
367846	82,50	Std.	29,60	-7,5	0	9.5:1	22	JG1005-3250	-	F,UL,T	330072R	AU_BTTRS_0HS_5670B6S-05 / R-AUD-010-I-5 / 5670-866	-
337967	83,00	0,50	29,60	-8,1	0	9.5:1	22	JG1005-3268	316	M,PS,S,T	330072R	AU_BTTRS_0HS_5670B6S-05 / R-AUD-010-I-5 / 5670-866	-
367847	83,00	0,50	29,60	-8,1	0	9.5:1	22	JG1005-3268	-	F,UL,T	330072R	AU_BTTRS_0HS_5670B6S-05 / R-AUD-010-I-5 / 5670-866	-
337968	83,50	1,00	29,60	-8,8	0	9.5:1	22	JG1005-3287	321	M,PS,S,T	330072R	AU_BTTRS_0HS_5670B6S-05 / R-AUD-010-I-5 / 5670-866	-
367848	83,50	1,00	29,60	-8,8	0	9.5:1	22	JG1005-3287	-	F,UL,T	330072R	AU_BTTRS_0HS_5670B6S-05 / R-AUD-010-I-5 / 5670-866	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	1B5562H(5x)(HX/0,025/0,25)	6M5563H(HX/0,025/0,25)	-	204-4TRS	-	-
KING	-	-	-			

Audi 2.7L 30V TT '97-05 as in RS4

OEM Engine details 2,7 Ltr 30V(V6) Bi Turbo | Engine code:AGB/ASJ/AZR/AJK/ARE/AZA/AZB/BES | • Displacement:2671 cc | • Valves:30 | • Comp. Ratio:9,3:1 | • Head cc's:45,50 | • Gasket thickness:1,22 | • Rod Length:154,00

Bore:81,00 | • Stroke:86,40 | • Block Ht:228,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE212M81	81,00	Std.	30,86	-8	0,06	8,5:1	21	8100XX	303	1,M,R	-	-	-
KE212M8125	81,25	0,25	30,86	-8	0,06	8,5:1	21	8125XX	306	1,M,R	-	-	-
KE212M815	81,50	0,50	30,86	-8	0,06	8,5:1	21	8150XX	309	1,R	-	-	-
KE212M82	82,00	1,00	30,86	-8	0,06	8,5:1	21	8200XX	313	1,R	-	-	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
314323	81,00	Std.	30,70	-3,3	0,10-	9,0:1	21	JG1006-3189	302	M,PS,R,T	-	-	-
314324	81,50	0,50	30,70	-3,9	0,10-	9,0:1	21	JG1006-3209	298	M,PS,R,T	-	-	-
314325	82,00	1,00	30,70	-4,5	0,10-	9,0:1	21	JG1006-3228	304	M,PS,R,T	-	-	-
314326	82,50	1,50	30,70	-5,7	0,10-	9,0:1	21	JG1006-3250	302	M,PS,R,T	-	-	-
314327	83,00	2,00	30,70	-6,4	0,10-	9,0:1	21	JG1006-3268	315	M,PS,R,T	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	204-4105	204-6201	204-5801
KING	-	-	-			

2.8L+2.9L VR6 12V as in Golf III/Passat/Corrado

OEM Engine details 2,8 +2,9 Ltr 12V | Engine code:AAA/ABV | • Displacement:2792/2861 cc | • Valves:12 | • Comp. Ratio:10,0:1 | • Head cc's:0 | • Gasket thickness:1,65 | • Rod Length:164,00

Bore:81,00 | • Stroke:90,30 | • Block Ht:242,00

C/R with 1,65 mm head gasket and 25cc head

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
K608M82	82,00	1,00	32,38	-26,2	0,47-	9,0:1	20	8200XX	278	1,R	338321R/VW1007-065	VWH6457BNCB6-C	-
K608M825	82,50	1,50	32,38	-26,2	0,47-	9,0:1	20	8250XX	283	1,M,R	338321R/VW1007-065	VWH6457BNCB6-C	-
K608M83	83,00	2,00	32,38	-26,2	0,47-	9,0:1	20	8300XX	288	1,R	338321R/VW1007-065	VWH6457BNCB6-C	-
K607M82	82,00	1,00	32,38	-17,3	0,47-	10:0:1	20	8200XX	302	1,M,R	338321R/VW1007-065	VWH6457BNCB6-C	-
K607M825	82,50	1,50	32,38	-17,3	0,47-	10:0:1	20	8250XX	307	1,M,R	338321R/VW1007-065	VWH6457BNCB6-C	-
K607M83	83,00	2,00	32,38	-17,3	0,47-	10:0:1	20	8300XX	311	1,R	338321R/VW1007-065	VWH6457BNCB6-C	-
												* Heavy Duty	

C/R with 1,65 mm head gasket and 25cc head

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
369549C	81.00	Std.	32,39	-26,2	0,46-	9,0:1	20	JG1006-3189	296	PS,R,T	338321R/VW1007-065	VWH6457BNCB6-C	
186235	82,00	1,00	32,39	-26,2	0,46-	9,0:1	20	JG1006-3228	304	PS,R,T	338321R/VW1007-065	VWH6457BNCB6-C	-
186236	83,00	2,00	32,39	-26,2	0,46-	9,0:1	20	JG1006-3268	306	PS,R,T	338321R/VW1007-065	VWH6457BNCB6-C	-
186237	82,00	1,00	32,39	-17,3	0,46-	10,0:1	20	JG1006-3228	296	M,PS,R,V	338321R/VW1007-065	VWH6457BNCB6-C	-
186238	83,00	2,00	32,39	-17,3	0,46-	10,0:1	20	JG1006-3268	302	M,PS,R,V	338321R/VW1007-065	VWH6457BNCB6-C	-
												* Heavy Duty	

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B5530H(HX/0,025/0,25)	7M5532H(HX/0,025/0,25)	2T5532	204-4705	204-6006	204-5403
KING	CR6764XP	MB7089XP	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

V.A.G. (Volkswagen/Audi/Škoda/Seat) PISTONS

COMPLEMENTARY PARTS

2.8L VR6 24V as in Golf IV

OEM Engine details 2,8 Ltr 24V | Engine code:AMV/AQP/AUE/AYL/BDE | Bore:81,00 | • Displacement:2792 cc | • Stroke:90,30 | • Valves:24 | • Block Ht:247,00 | • Comp. Ratio:10,75:1 | • Head cc's:39,00 | • Gasket thickness:0,65 | • Rod Length:164,00

C/R with 0 deck and 0,65 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE191M81	81,00	Std.	37,10	-20,2	0,75-	8,5:1	20	8100XX	350	1,M	338314R	-	-
KE191M8125	81,25	0,25	37,10	-20,2	0,75-	8,5:1	20	8125XX	352	1,M	338314R	-	-
KE191M815	81,50	0,50	37,10	-20,2	0,75-	8,5:1	20	8150XX	354	1,M	338314R	VWH6457BNCB6-C	-
KE191M82	82,00	1,00	37,10	-20,2	0,75-	8,5:1	20	8200XX	360	1,M	338314R	VWH6457BNCB6-C	-
												* Heavy Duty	

C/R with 0 deck and 0,65 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
279953	81,00	Std.	37,10	-19,5	0,75-	8,5:1	20	JG1006-3189	326	M,PS,R,T	338314R	-	-
279954	81,50	0,50	37,10	-20,2	0,75-	8,5:1	20	JG1006-3209	330	M,PS,R,T	338314R	VWH6457BNCB6-C	-
279955	82,00	1,00	37,10	-20,9	0,75-	8,5:1	20	JG1006-3228	338	M,PS,R,T	338314R	VWH6457BNCB6-C	-
279956	81,00	Std.	37,10	-3,5	0,75-	10.2:1	20	JG1006-3189	346	M,PS,R,V	338314R	-	-
279957	81,50	0,50	37,10	-3,5	0,75-	10.2:1	20	JG1006-3209	351	M,PS,R,V	338314R	VWH6457BNCB6-C	-
279958	82,00	1,00	37,10	-3,5	0,75-	10.2:1	20	JG1006-3228	356	M,PS,R,V	338314R	VWH6457BNCB6-C	-
												* Heavy Duty	

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B5530H(HX/0,025/0,25)	7M5532H(HX/0,025/0,25)	2T5532	204-4VR6	204-6006	204-5403
KING	CR6764XP	MB7089XP	-			

3.2L 24V R32 as in Golf IV+V

OEM Engine details 3,2 Ltr 24V | Engine code:BFH/BML/BJS | Bore:84,00 | • Displacement:3189 cc | • Stroke:95,90 | • Valves:24 | • Block Ht:247,00 | • Comp. Ratio:10,9:1/11,3:1 | • Head cc's:40,00 | • Gasket thickness:0,65 | • Rod Length:164,00

C/R with 0 deck and 0,65 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE204M84	84,00	Std.	34,50	-30,5	0,55-	8,0:1	20	8400XX	328	M,R,T	C4968-027	043DR14164 / R-VW-002I	-
KE204M8425	84,25	0,25	34,50	-30,5	0,55-	8,0:1	20	8425XX	330	M,R,T	C4968-027	043DR14164 / R-VW-002I	-
KE204M845	84,50	0,50	34,50	-30,5	0,55-	8,0:1	20	8450XX	333	R,T	C4968-027	043DR14164 / R-VW-002I	-
KE204M85	85,00	1,00	34,50	-30,5	0,55-	8,0:1	20	8500XX	342	M,R,T	C4968-027	043DR14164 / R-VW-002I	-
KE205M84	84,00	Std.	34,50	-20,5	0,55-	9,0:1	20	8400XX	344	M,R,T	C4968-027	043DR14164 / R-VW-002I	-
KE205M8425	84,25	0,25	34,50	-20,5	0,55-	9,0:1	20	8425XX	346	M,R,T	C4968-027	043DR14164 / R-VW-002I	-
KE205M845	84,50	0,50	34,50	-20,5	0,55-	9,0:1	20	8450XX	348	R,T	C4968-027	043DR14164 / R-VW-002I	-
KE205M85	85,00	1,00	34,50	-20,5	0,55-	9,0:1	20	8500XX	352	M,R,T	C4968-027	043DR14164 / R-VW-002I	-

C/R with 0 deck and 0,65 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
279946	84,00	Std.	34,50	-27	0,55-	8,5:1	20	JG1006-3307	328	PS,R,T	C4968-027	043DR14164 / R-VW-002I	-
279947	84,50	0,50	34,50	-27,8	0,55-	8,5:1	20	JG1006-3327	334	PS,R,T	C4968-027	043DR14164 / R-VW-002I	-
279948	85,00	1,00	34,50	-28,6	0,55-	8,5:1	20	JG1006-3346	337	PS,R,T	C4968-027	043DR14164 / R-VW-002I	-
279949	84,00	Std.	34,50	-6,8	0,55-	11,5:1	20	JG1006-3307	328	M,PS,R,T	C4968-027	043DR14164 / R-VW-002I	-
279950	84,50	0,50	34,50	-7,4	0,55-	11,5:1	20	JG1006-3327	334	M,PS,R,T	C4968-027	043DR14164 / R-VW-002I	-
279951	85,00	1,00	34,50	-7,9	0,55-	11,5:1	20	JG1006-3346	354	M,PS,R,T	C4968-027	043DR14164 / R-VW-002I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B5530H(HX/0,025/0,25)	7M5532H(HX/0,025/0,25)	2T5532	204-4R32	204-6006	204-5408 (+4 single studs)
KING	CR6764XP	MB7089XP	-			

3.6L 24V R36 as in Passat

OEM Engine details 3,6 Ltr 24V FSI | Engine code:BWS/BHK/CDVA | Bore:89,00 | • Displacement:3598 cc | • Stroke:96,40 | • Valves:24 | • Block Ht:243,32 | • Comp. Ratio:11,4:1 | • Head cc's:46,50 | • Gasket thickness:0,95 | • Rod Length:164,00

C/R with 0 deck and 0,95 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
329111C	90,00	1,00	31,12	-28,8	0	8,5:1	20	JG1001-3544	380	M,T	-	043DR14164 / R-VW-002I	-
318328C	89,00	Std.	31,12	-21,2	0	9,0:1	20	JG1001-3504	385	M,T	-	043DR14164 / R-VW-002I	-
318328C-89,50	89,50	0,50	31,12	-21,2	0	9,0:1	20	JG1001-3524	392	M,T	-	043DR14164 / R-VW-002I	-
346991C	90,00	1,00	31,12	-5	0	11,5:1	20	JG1001-3544	401	M,I		043DR14164 / R-VW-002I	

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	6B5530H(HX/0,025/0,25)	7M5532H(HX/0,025/0,25)	2T5532	-	-	-
KING	CR6764XP	MB7089XP	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

▲TOP

V.A.G. (Volkswagen/Audi/Škoda/Seat) PISTONS

COMPLEMENTARY PARTS

5.2L 40V as in Audi R8

OEM Engine details 5,2L 40V FSI | Engine code:BUJ/CTYA | Bore:84,50 | • Displacement: 5204 cc | • Stroke:92,80 | • Valves:40 | • Block Ht:N/A | • Comp. Ratio:12,5:1 | • Head cc's:46,00 | • Gasket thickness:N/A | • Rod Length:154,00

C/R with 1,75 mm head gasket

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
308178 *	84,50	Std.	27,60	-14	-	9,0:1	20	XC8450	284	M,PS,Q,S,T	-	-	-
361280	85,00	0,50	27,60	-14,6	-	9,0:1	20	XC8500	-	M,PS,Q,S,T	-	LM-5.2V10-T-8M6063S-10	-
361281	84,50	Std.	27,60	-3,7	-	10,5:1	20	XC8450	-	M,PS,Q,S,T	-	LM-5.2V10-T-8M6063S-10	-
361282	85,00	0,50	27,60	-4,7	-	10,5:1	20	XC8500	-	M,PS,Q,S,T	-	LM-5.2V10-T-8M6063S-10	-

* For use with OEM Alusil bores!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	CR 227XP (pair of 2)	MB1322XP	-			
	CR 227XPC (pair of 2)	MB1322XPC	-			

Volvo

B4194T as in S40

OEM Engine details 1,9 Ltr 16V | Engine code:B4194 | Bore:81,00 | • Displacement:1855 cc | • Stroke:90,00 | • Valves:16 | • Block Ht:N/A | • Comp. Ratio:8,5:1 | • Head cc's:51,00 | • Gasket thickness:1,50 | • Rod Length:139,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE157M81	81,00	Std.	35,90	-10	-	8,5:1	23	8100XX	339	1,R	-	044DW21140S(4x) / R-VOL-005-I-4	-
KE157M8125	81,25	0,25	35,90	-10	-	8,5:1	23	8125XX	342	1,R	-	044DW21140S(4x) / R-VOL-005-I-4	-
KE157M815	81,50	0,50	35,90	-10	-	8,5:1	23	8150XX	347	1,R	-	044DW21140S(4x) / R-VOL-005-I-4	-
KE157M82	82,00	1,00	35,90	-10	-	8,5:1	23	8200XX	355	1,R	-	044DW21140S(4x) / R-VOL-005-I-4	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

B5234T as in 850

OEM Engine details 2,3 Ltr 20V | Engine code:B5234T | Bore:81,00 | • Displacement:2319 cc | • Stroke:90,00 | • Valves:20 | • Block Ht:N/A | • Comp. Ratio:8,5:1 | • Head cc's:51,00 | • Gasket thickness:1,50 | • Rod Length:139,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE155M81	81,00	Std.	35,90	-10	-	8,5:1	23	8100XX	339	1,R	H1508SP3070S	044DW21140 / R-VOL-005-I-5	-
KE155M8125	81,25	0,25	35,90	-10	-	8,5:1	23	8125XX	345	1,R	H1508SP3070S	044DW21140 / R-VOL-005-I-5	-
KE155M815	81,50	0,50	35,90	-10	-	8,5:1	23	8150XX	347	1,R	H1508SP3070S	044DW21140 / R-VOL-005-I-5	-
KE155M82	82,00	1,00	35,90	-10	-	8,5:1	23	8200XX	355	1,R	H1508SP3070S	044DW21140 / R-VOL-005-I-5	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
323118C	81,00	Std.	35,90	-19,5	-	7,5:1	23	JG1001-3189	331	M	H1508SP2059F	044DW21140 / R-VOL-005-I-5	-
339239C	81,50	0,50	35,90	-19,5	-	7,5:1	23	JG1001-3208	335	I,M	H1508SP2059F	044DW21140 / R-VOL-005-I-5	-
323118C-82	82,00	1,00	35,90	-19,5	-	7,5:1	23	JG1001-3228	341	M	H1508SP2059F	044DW21140 / R-VOL-005-I-5	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

B23A as in 240/740

OEM Engine details 2,3 Ltr 8V | Engine code:B23A | Bore:96,00 | • Displacement:2316 cc | • Stroke:80,00 | • Valves:8 | • Block Ht:231,50 | • Comp. Ratio:9,0:1 | • Head cc's:54,40 | • Gasket thickness:1,40 | • Rod Length:145,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE208M96	96,00	Std.	46,38	-14	0,14-	8,0:1	24	9600XX	593	1,M,P,R	C4499-056	R-VOL-002H	-
KE208M9625	96,25	0,25	46,38	-14	0,14-	8,0:1	24	9625XX	597	1,M,P,R	C4499-056	R-VOL-002H	-
KE208M965	96,50	0,50	46,38	-14	0,14-	8,0:1	24	9650XX	601	1,P,R	C4499-056	R-VOL-002H	-
KE208M97 *	97,00	1,00	46,38	-14	0,14-	8,0:1	24	3819XH	609	1,M,P,R	C4499-056	R-VOL-002H	-

* Critical bore size when used in high boost applications!

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
322619C-96	96,00	Std.	46,38	-13,9	0,14-	8,0:1	24	JG1001-3780	-	M,P	C4499-056	R-VOL-002H	-
322619C	96,50	0,50	46,38	-13,9	0,14-	8,0:1	24	XX9650	551	M,P	C4499-056	R-VOL-002H	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

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Volvo PISTONS

COMPLEMENTARY PARTS

NEW!! B5204T2 as in V70

OEM Engine details 2,0 Ltr 20V | Engine code:B5204T2 | • Displacement:1984 cc | • Valves:20 | • Comp. Ratio:8,4:1 | • Head cc's: N/A | • Gasket thickness:1,50 | • Rod Length: 143,00

Bore:81,00 | • Stroke:77,00 | • Block Ht: N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
359522C	81,50	0,50	42,40	FT	-	8,4	23	JG1001-3209	353	I,M,	-	344DW21143 / R-VOL-001-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

B230 as in 740/940

OEM Engine details 2,3 Ltr 8V | Engine code: B230 | • Displacement:2316 cc | • Valves:8 | • Comp. Ratio:8,7:1 | • Head cc's:54,40 | • Gasket thickness:1,20 | • Rod Length:152,00

Bore:96,00 | • Stroke:80,00 | • Block Ht:231,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE206M96	96,00	Std.	38,90	-14	0,60-	8,2:1	23	9600XX	540	1,B,P,R	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV800 / C-VOL-001
KE206M9625	96,25	0,25	38,90	-14	0,60-	8,2:1	23	9625XX	545	1,B,M,P,R	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV800 / C-VOL-001
KE206M965	96,50	0,50	38,90	-14	0,60-	8,2:1	23	9650XX	554	1,B,P,R	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV800 / C-VOL-001
KE206M97 *	97,00	1,00	38,90	-14	0,60-	8,2:1	23	3819XH	563	1,B,P,R	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV800 / C-VOL-001
For long rod 158,00 mm													
KE106M96	96,00	Std.	33,70	-14	0,20	8,6:1	23	9600XX	509	1,B,M,P,R	C4499-045/338244R	344DV21158 / R-VOL-004-I	044ADV800 / C-VOL-001
KE106M965	96,50	0,50	33,70	-14	0,20	8,6:1	23	9650XX	517	1,B,M,P,R	C4499-045/338244R	344DV21158 / R-VOL-004-I	044ADV800 / C-VOL-001
KE106M97 *	97,00	1,00	33,70	-14	0,20	8,6:1	23	3819XH	-	1,B,M,P,R	C4499-045/338244R	344DV21158 / R-VOL-004-I	044ADV800 / C-VOL-001
For stroker crank 86,00 mm													
KE266M96	96,00	Std.	36,60	-20,2	0,10	8,6:1	23	9600XX	-	1,B,M,P	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV860 / C-VOL-002
KE266M9625	96,25	0,25	36,60	-20,2	0,10	8,6:1	23	9625XX	540	1,B,M,P	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV860 / C-VOL-002
KE266M965	96,50	0,50	36,60	-20,2	0,10	8,6:1	23	9650XX	542	1,B,M,P	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV860 / C-VOL-002
KE266M97 *	97,00	1,00	36,60	-20,2	0,10	8,6:1	23	3819XH	-	1,B,M,P	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV860 / C-VOL-002
KE366M96	96,00	Std.	36,60	FT	0,10	11,0:1	23	9600XX	-	1,B,M,P,R	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV860 / C-VOL-002
KE366M9625	96,25	0,25	36,60	FT	0,10	11,0:1	23	9625XX	-	1,B,M,P,R	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV860 / C-VOL-002
KE366M965	96,50	0,50	36,60	FT	0,10	11,0:1	23	9650XX	603	1,B,M,P,R	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV860 / C-VOL-002
KE366M97 *	97,00	1,00	36,60	FT	0,10	11,0:1	23	9700VA	610	1,B,M,P,R	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV860 / C-VOL-002
For stroker crank 86,00 mm + long rod 158,00 mm													
KE108M96	96,00	Std.	30,60	-20,2	0,10	8,6:1	23	9600XX	-	1,B,M,P	C4499-045/338244R	344DV21158 / R-VOL-004-I	044ADV860 / C-VOL-002
KE108M965	96,50	0,50	30,60	-20,2	0,10	8,6:1	23	9650XX	423	1,B,M,P	C4499-045/338244R	344DV21158 / R-VOL-004-I	044ADV860 / C-VOL-002
KE108M97 *	97,00	1,00	30,60	-20,2	0,10	8,6:1	23	3819XH+GLS49	-	1,B,M,P	C4499-045/338244R	344DV21158 / R-VOL-004-I	044ADV860 / C-VOL-002
KE109M96	96,00	Std.	30,60	FT	0,10	11,0:1	23	9600XX+GLS49	-	1,B,M,P	C4499-045/338244R	344DV21158 / R-VOL-004-I	044ADV860 / C-VOL-002
KE109M965	96,50	0,50	30,60	FT	0,10	11,0:1	23	9650XX+GLS49	543	1,B,M,P	C4499-045/338244R	344DV21158 / R-VOL-004-I	044ADV860 / C-VOL-002
KE109M97	97,00	1,00	30,60	FT	0,10	11,0:1	23	9700VA+GLS49	-	1,B,M,P	C4499-045/338244R	344DV21158 / R-VOL-004-I	044ADV860 / C-VOL-002

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
319312C	96,50	0,50	39,80	FT	0,30	10,6:1	23	JC2801-3799	440	F,M,P	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV800 / C-VOL-001

* Critical bore size when used in high boost applications!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B2726H	-	-	-	-	-
KING	CR4599XP	-	-			

B234F as in 940

OEM Engine details 2,3 Ltr 16V | Engine code:B234F | • Displacement:2316 cc | • Valves:16 | • Comp. Ratio:10,0:1 | • Head cc's:45,40 | • Gasket thickness:1,20 | • Rod Length:152,00

Bore:96,00 | • Stroke:80,00 | • Block Ht:231,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE207M96	96,00	Std.	39,70	-18	0,20	9,0:1	23	9600XS	458	1,B,P,R	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV800 / C-VOL-001
KE207M9625	96,25	0,25	39,70	-18	0,20	9,0:1	23	9625XX	461	1,B,M,P,R	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV800 / C-VOL-001
KE207M965	96,50	0,50	39,70	-18	0,20	9,0:1	23	9650XS	468	1,B,P,R	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV800 / C-VOL-001
KE207M97 *	97,00	1,00	39,70	-18	0,20	9,0:1	23	3819XS	473	1,B,P,R	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV800 / C-VOL-001
KE209M96	96,00	Std.	39,70	-6,3	0,20	11,0:1	23	9600XS	477	1,B,P,R	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV800 / C-VOL-001
KE209M965	96,50	0,50	39,70	-6,3	0,20	11,0:1	23	9650XS	482	1,B,P,R	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV800 / C-VOL-001
KE209M97	97,00	1,00	39,70	-6,3	0,20	11,0:1	23	3819XS	487	1,B,P,R	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV800 / C-VOL-001
For long rod 158,00 mm													
KE107M96	96,00	Std.	33,70	-26	0,20	8,5:1	23	9600XX	-	1,B,M,P	C4499-045/338244R	344DV21158 / R-VOL-004-I	044ADV800 / C-VOL-001
KE107M965	96,50	0,50	33,70	-26	0,20	8,5:1	23	9650XX	-	1,B,M,P	C4499-045/338244R	344DV21158 / R-VOL-004-I	044ADV800 / C-VOL-001
KE107M97 *	97,00	1,00	33,70	-26	0,20	8,5:1	23	3819XH	-	1,B,M,P	C4499-045/338244R	344DV21158 / R-VOL-004-I	044ADV800 / C-VOL-001
For stroker crank 86,00 mm													
KE267M96	96,00	Std.	36,60	-23,8	0,10	9,0:1	23	9600XS	396	1,B,M,P,R	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV860 / C-VOL-002
KE267M9625	96,25	0,25	36,60	-23,8	0,10	9,0:1	23	9625XX	402	1,B,M,P,R	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV860 / C-VOL-002
KE267M965	96,50	0,50	36,60	-23,8	0,10	9,0:1	23	9650XS	436	1,B,P,R	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV860 / C-VOL-002
KE267M97 *	97,00	1,00	36,60	-23,8	0,10	9,0:1	23	9700VA	-	1,B,M,P,R	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV860 / C-VOL-002
For stroker crank 86,00 mm + long rod 158,00 mm													
KE105M96	96,00	Std.	30,60	-31,8	0,10	8,5:1	23	9600XS+GLS48	-	1,B,M,P	C4499-045/338244R	344DV21158 / R-VOL-004-I	044ADV860 / C-VOL-002
KE105M965	96,50	0,50	30,60	-31,8	0,10	8,5:1	23	9650XS+GLS48	372	1,B,M,P	C4499-045/338244R	344DV21158 / R-VOL-004-I	044ADV860 / C-VOL-002
KE105M97 *	97,00	1,00	30,60	-31,8	0,10	8,5:1	23	9700VA+GLS49	-	1,B,M,P	C4499-045/338244R	344DV21158 / R-VOL-004-I	044ADV860 / C-VOL-002

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

Volvo PISTONS

B234F as in 940

OEM Engine details 2,3 Ltr 16V | Engine code:B234F | • Displacement:2316 cc | • Valves:16 | • Comp. Ratio:10,0:1 | • Head cc's:45,40 | • Gasket thickness:1,20 | • Rod Length:152,00
Bore:96,00 | • Stroke:80,00 | • Block Ht:231,50

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
347568C	96,50	0,50	39,50	4	0	12,5:1	23	9650XX	495	F,M,P	C4499-045/338244R	044DV21152 / R-VOL-003-I	044ADV800 / C-VOL-001
For long rod 158,00 mm													
WCA16101	96,50	0,50	33,50	4	0	12,5:1	23	JC2801-3799	-	F,M,P	C4499-045/338244R	344DV21158	044ADV800 / C-VOL-001

* Critical bore size when used in high boost applications!

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	4B2726H	-	-	-	-	-
KING	CR4599XP	-	-			

B5254 as in S60/V70

OEM Engine details 2,5 Ltr 20V | Engine code:B5254 | • Displacement:2522 cc | • Valves:20 | • Comp. Ratio:9,0:1 | • Head cc's:51,00 | • Gasket thickness:1,35 | • Rod Length:143,00
Bore:83,00 | • Stroke:93,20 | • Block Ht:220,00

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE327M83	83,00	Std.	30,50	-15,2	0,10	8,5:1	23	8300XX	326	1,R	338284R	344DW21143 / R-VOL-001-I	-
KE327M835	83,50	0,50	30,50	-15,2	0,10	8,5:1	23	8350XX	332	1,R	330045R	344DW21143 / R-VOL-001-I	-
KE227M83	83,00	Std.	30,50	-13	0,10	9,0:1	23	8300XX	335	1,R	338284R	344DW21143 / R-VOL-001-I	-
KE227M835	83,50	0,50	30,50	-13	0,10	9,0:1	23	8350XX	340	1,R	330045R	344DW21143 / R-VOL-001-I	-
KE227M84	84,00	1,00	30,50	-13	0,10	9,0:1	23	8400XX	346	1,M,R	330045R	344DW21143 / R-VOL-001-I	-
KE227M845	84,50	1,50	30,50	-13	0,10	9,0:1	23	8450XX	353	1,M,R	-	344DW21143 / R-VOL-001-I	-

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
333711C	83,00	Std.	30,50	-15,2	0,10	8,5:1	23	JG1001-3268	332	M,R	338284R	344DW21143 / R-VOL-001-I	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	219-4301	219-6201	219-5801/219-5802*
KING	-	-	-			

* Depending on model - see ARP section!

B6284T as in S80

OEM Engine details 2,8 Ltr 24V | Engine code:B6284 | • Displacement:2783 cc | • Valves:24 | • Comp. Ratio:8,5:1 | • Head cc's:51,00 | • Gasket thickness:1,50 | • Rod Length:139,50
Bore:81,00 | • Stroke:90,00 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE156M81	81,00	Std.	35,90	-10	-	8,5:1	23	8100XX	339	1,R	-	044DW21140S(6x) / R-VOL-005-I-6	-
KE156M8125	81,25	0,25	35,90	-10	-	8,5:1	23	8125XX	342	1,R	-	044DW21140S(6x) / R-VOL-005-I-6	-
KE156M815	81,50	0,50	35,90	-10	-	8,5:1	23	8150XX	347	1,R	-	044DW21140S(6x) / R-VOL-005-I-6	-
KE156M82	82,00	1,00	35,90	-10	-	8,5:1	23	8200XX	355	1,R	-	044DW21140S(6x) / R-VOL-005-I-6	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

B8444S V8 as in XC90

OEM Engine details 4,4 Ltr 32V | Engine code:B8444S | • Displacement:4414 cc | • Valves:32 | • Comp. Ratio:10,4:1 | • Head cc's:46,00 | • Gasket thickness:0,65 | • Rod Length:138,50
Bore:94,00 | • Stroke:79,50 | • Block Ht:N/A

Kit Part #	Bore (mm)	Over size	Comp. Ht.	Dome/Dish cc's	Deck Clr.	Comp. Ratio	Pin Ø	Ring #	Gram	Foot Notes	Head Gasket	Connecting Rods	Crank
KE210M94	94,00	Std.	29,75	-19	-	8,7:1	22	9400XX	336	1,M,R	-	-	-
KE210M945	94,50	0,50	29,75	-19	-	8,7:1	22	9450XX	341	1,M,R	-	-	-
KE211M94	94,00	Std.	29,75	-6	-	10,4:1	22	9400XX	388	1,M,R	-	-	-
KE211M945	94,50	0,50	29,75	-6	-	10,4:1	22	9450XX	394	1,M,R	-	-	-

Bearings	Rod	Main	Thrust	Head Stud Kit	Rod Bolts	Main Stud Kit
ACL	-	-	-	-	-	-
KING	-	-	-			

When exceeding 2 BAR boost and/or 500HP(4 Cylinder), please inquire for needed/available pin upgrades!! For 200+HP per cilinder custom part is adviced!!

COMPLEMENTARY PARTS

Custom Capabilities: see page 24 - Foot Notes: see page 226 for description - Instructions & Terminology: see pages 356

FOOTNOTES

Footnotes for Piston Kits

Please find below the footnotes for the piston kits referred to in this catalogue:

Code	Description
1	Most Wiseco pistons have offset pins. Pins must be offset same as OEM for quietest operation
2	Due to a compression height that may protrude above the deck, it is recommended that a 1,00 mm thick head gasket is used
4	Utilizes extra deep valve pockets to expand the range of I-Vtec/Vanos with big/high lift cams and milled heads
6	These pistons have an oil ring groove that is lower than OE. Will not work with sleeves with access hole if the oil ring is not pinned in place
A	Rings need file fitment to the bore
B	Washers included
C	Stroker kit for B25 stroker crank
D	Weight reduction possible
E	With valve pockets unlike K557M series
F	FSR series(Forged Side Relief)
G	Only with 2,5 Ltr conrods
H	Based on Volvo rod 23 mm Ford OEM 21 mm
I	Tuff Skirt Coating JE Pistons
J	Mini Tritec engine
K	Compression ratio depends on Cylinder head used
L	Pin 20 mm - OEM = 20,65 mm (13/16)
M	Made to order(4 pcs minimum)
N	Aluminum cylinders like Alusil®, Lokasil®, Silitec®, DiASil, Mercosil, ALBOND®, FRM, MMC, recommended to run sleeved bores/must sleeve block or Nicasil
O	VR6 cylinder sets from stock, can be used
P	Piston guided rod, washers required
Q	Q Oil squirter modification or removal required or use adequate spacers, please make sure to check rod to oil squirter clearance when relocating oil squirter
R	Full Round Skirt with or without full milled side relief
S	Asymmetrical FSR series
T	Accepts Turbo and Nitrous
U	Head is the other way around on the Eclipse vs the later EVO's
V	Accepts Nitrous and E8
W	C/R calculated with OE head gasket
X	C/R calculated with 1,00mm head gasket
Y	3D Undercrown milling included
Z	Alusil® suited
PS	Perfect Skirt Coating JE Pistons
UL	Ultra Series (Lateral Gas Ports, Accumulator Grooves, Skirt Coating, Ceramic Crown Coating, Upgraded Pins)

REMARKS

Remarks for Piston Kits

* Pistons listed with a compression ratio range: low number is with un-cut deck, high number is block decked to 0,76 mm piston to cylinder head clearance.
* Always run at least 0,76 mm piston to head clearance including gasket thickness.
* Compression height measured from pin bore center.
* If piston appears to be different than expected, please do not hesitate to call Race Winning Brands Europe B.V. at +31(0)252 687713 to verify compatibility.

* Always check the following clearances:
  - Pistons dome to head and spark plug
  - Piston to valve
  - Crank counterweight to piston
  - Connecting rod to piston
  - Piston to oil squirter

TECH 1:

PART NUMBER SPECIFICATIONS

PISTON PIN UPGRADE

Pins included with Piston Kit

Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
K001E	S417	22	63.50	3.5	5115	CS22	S710	5	5115
K505M	S475	19	58.50	3.5	5115	CW19	not available		
K506M	S520	20	60.00	3.5	5115	CW20	S698	4	52100
K508M	S566	22	63.50	3.5	5115	CW22	S710	5	5115
K509M	S566	22	63.50	3.5	5115	CW22	S710	5	5115
K512M	S553	20	55.50	3.5	5115	CW20	not available		
K528M	S566	22	63.50	3.5	5115	CW22	S710	5	5115
K533M	S524	18	57.00	3	5115	CW18	not available		
K541M	S656	21	50.85	4	5115	CW21	S733	5.72	9310
K542M	S656	21	50.85	4	5115	CW21	S733	5.72	9310
K543M	S622	19	63.50	4	5115	CW19	S707	5	5115
K544M	S625	22	63.50	4	5115	W5590	S710	5	5115
K545M	S656	21	50.85	4	5115	CW21	S733	5.72	9310
K546M	S622	19	63.50	4	5115	CW19	S707	5	5115
K547M	S625	22	63.50	4	5115	W5590	S710	5	5115
K548M	S710	22	63.50	5	5115	W5590	S710C	5	5115-DLC
K549M	S625	22	63.50	4	5115	W5590	S710	5	5115
K550M	S625	22	63.50	4	5115	W5590	S710	5	5115
K553M	S623	20	63.50	4	5115	W5509	S708	5	5115
K554M	S623	20	63.50	4	5115	W5509	S708	5	5115
K555M	S625	22	63.50	4	5115	W5590	S710	5	5115
K556M	S625	22	63.50	4	5115	W5590	S710	5	5115
K557M	S625	22	63.50	4	5115	W5590	S710	5	5115
K559M	S709	21	63.50	5	5115	CW21	S709C	5	5115
K560M	S709	21	63.50	5	5115	CW21	S709C	5	5115
K562M	S625	22	63.50	4	5115	W5590	S710	5	5115
K563M	S623	20	63.50	4	5115	CW20	S708	5	5115
K564M	S624	21	63.50	4	5115	CW21	S709	5	5115
K565M	S549	20	50.85	3.5	5115	CW20	not available		
K566M	S656	21	50.85	4	5115	CW21	S733	5.72	9310
K567M	S656	21	50.85	4	5115	CW21	S733	5.72	9310
K568M	S550	22	50.85	3.5	5115	W5590	S734	5.72	9310
K569M	S549	20	50.85	3.5	5115	CW20	not available		
K570M	S625	22	63.50	4	5115	W5590	S710	5	5115
K571M	S709	21	63.50	5	5115	CW21	S709C	5	5115
K572M	S550	22	50.85	3.5	5115	W5590	S734	5.72	9310
K573M	S734	22	50.85	5.72	9310	W5590	not available		
K574M	S625	22	63.50	4	5115	CW22	S710	5	5115
K576M	S805	23	63.50	4,57	9310	W5939	not available		
K577M	S624	21	63.50	4	5115	CW21	S709	5	5115
K578M	S624	21	63.50	4	5115	CW21	S709	5	5115
K579M	S805	23	63.50	4,57	9310	W5939	not available		
K580M	S624	21	63.50	4	5115	CW21	S709	5	5115
K581M	S624	21	63.50	4	5115	CW21	S709	5	5115
K582M	S641	20	50.44	4	5115	W5509	S780	5.08	5115
K583M	S623	20	63.50	4	5115	W5509	S708	5	5115
K584M	S625	22	63.50	4	5115	W5590	S710	5	5115
K585M	S623	20	63.50	4	5115	W5509	S708	5	5115
K586M	S624	21	63.50	4	5115	CW21	S709	5	5115
K587M	S624	21	63.50	4	5115	CW21	S709	5	5115
K588M	S805	23	63.50	4,57	9310	W5939	not available		
K589M	S623	20	63.50	4	5115	W5509	S708	5	5115
K590M	S641	20	50.44	4	5115	W5509	S780	5.08	5115
K591M	S624	21	63.50	4	5115	CW21	S709	5	5115
K593M	S561	21	50.85	3.5	5115	CW21	S733	5.72	9310
K594M	S656	21	50.85	4	5115	CW21	S733	5.72	9310
K595M	S625	22	63.50	4	5115	W5590	S710	5	5115
K596M	S710	22	63.50	5	5115	W5590	S710C	5	5115-DLC
K597M	S710	22	63.50	5	5115	W5590	S710C	5	5115-DLC
K598M	S805	23	63.50	4,57	9310	W5939	not available		
K599M	S805	23	63.50	4,57	9310	W5939	not available		
K600M	S805	23	63.50	4,57	9310	W5939	not available		
K601M	S805	23	63.50	4,57	9310	W5939	not available		
K602M	S729	23	63.50	5.15	5115	W6198	S805	4,57	9310
K605M	S625	22	63.50	4	5115	W5590	S710	5	5115

▲TOP

PISTON PIN UPGRADE

Pins included with Piston Kit

Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
K606M	S625	22	63.50	4	5115	W5590	S710	5	5115
K607M	S623	20	63.50	4	5115	W5509	S708	5	5115
K608M	S623	20	63.50	4	5115	W5509	S708	5	5115
K609M	S624	21	63.50	4	5115	CW21	S709	5	5115
K610M	S624	21	63.50	4	5115	CW21	S709	5	5115
K611M	S549	20	50.85	3.5	5115	W5509	not available		
K612M	S623	20	63.50	4	5115	W5509	S708	5	5115
K613M	S625	22	63.50	4	5115	W5590	S710	5	5115
K614M	S622	19	63.50	4	5115	CW19	S707	5	5115
K615M	S625	22	63.50	4	5115	W5590	S710	5	5115
K618M	S624	21	63.50	4	5115	CW21	S709	5	5115
K622M	S618	22	50.80	4	5115	W5590	S734	5.72	9310
K623M	S656	21	50.85	4	5115	CW28	S733	5.72	9310
K624M	S622	19	63.50	4	5115	CW19	S707	5	5115
K625M	S721	21	60.00	5.72	9310	CW28	S721C	5.72	9310-DLC
K626M	S722	22	60.00	5.72	9310	W5590	S722C	5.72	9310-DLC
K627M	S722	22	60.00	5.72	9310	W5590	S722C	5.72	9310-DLC
K628M	S656	21	50.85	4	5115	CW28	S733	5.72	9310
K629M	S656	21	50.85	4	5115	CW28	S733	5.72	9310
K630M	S641	20	50.44	4	5115	W5509	S780	5.08	5115
K631M	S618	22	50.80	4	5115	W5590	S734	5.72	9310
K632M	S551	23	50.85	3.5	5115	CW23	not available		
K633M	S417	22	63.50	3.5	5115	CS22	S710	5	5115
K634M	S618	22	50.80	4	5115	W5590	S734	5.72	9310
K635M	S752	23	60.00	5	5115	W5860	S794	5.72	52100
K636M	S790	23	57,15	5,72	52100	W5860	not available		
K637M	S524	18	57.00	3	5115	CW18	not available		
K640M	S754	22.5	60.00	5	5115	CW29	not available		
K641M	S710	22	63.50	5	5115	W5590	S710C	5	5115-DLC
K642M	S627	24	63.50	4	5115	W6045	S807	4.57	9310
K643M	S710	22	63.50	5	5115	W5590	S710C	5	5115-DLC
K649M	S750	21	60.00	5	5115	CW28	S721	5.72	9310
K650M	S550	22	50.85	3.5	5115	W5590	S734	5.72	9310
K651M	S751	22	60.00	5	5115	W5590	S722	5.72	9310
K655M	S751	22	60.00	5	5115	W5590	S722	5.72	9310
K656M	S722	22	60.00	5.72	9310	W5590	S722C	5.72	9310-DLC
K662M	S721	21	60.00	5.72	9310	CW28	S721C	5.72	9310-DLC
K666M	S782	22	50.80	5	5115	W5590	S734	5.72	9310
K667M	S782	22	50.80	5	5115	W5590	S734	5.72	9310
K668M	S734	22	50.80	5.72	9310	W5594	not available		
K669M	S734	22	50.80	5.72	9310	W5594	not available		
K670M	S623	20	63.50	4	5115	CW20	S708	5	5115
K671M	S623	20	63.50	4	5115	CW20	S708	5	5115
K672M	S623	20	63.50	4	5115	CW20	S708	5	5115
K673M	S733	21	50.85	5.72	9310	CW21	not available		
K674M	S751	22	60.00	5.08	5115	W5590	S722	5.72	9310
K675M	S751	22	60.00	5.08	5115	W5590	S722	5.72	9310
K676M	S751	22	60.00	5.08	5115	W5590	S722	5.72	9310
K677M	S796	22	57,15	5,08	52100	W5594	not available		
K678M	S796	22	57,15	5,08	52100	W5594	not available		
K679M	S782	22	50.80	5.08	5115	W5590	S734	5.72	9310
K680M	S790	23	57.15	5.72	52100	W5860	not available		
K681M	S790	23	57.15	5.72	52100	W5860	not available		
K682M	S551	23	50.85	3.5	5115	CW23	not available		
K683M	S622	19	63.50	4	5115	CW19	S707	5	5115
K687M	S621	18	63.50	4	5115	CW18	not available		
KE103M	S627	24	63.50	4	5115	W6045	S807	4.57	9310
KE105M	S729	23	63.50	5.15	5115	W5939	S805	4,57	9310
KE106M	S626	23	63.50	4	5115	W5860	S805	4,57	9310
KE107M	S626	23	63.50	4	5115	CW23	S805	4,57	9310
KE108M	S626	23	63.50	4	5115	W5860	S805	4,57	9310
KE109M	S626	23	63.50	4	5115	W5860	S805	4,57	9310
KE110M	S722	22	60.00	5.72	9310	W5590	S722C	5.72	9310-DLC
KE111M	S722	22	60.00	5.72	9310	W5590	S722C	5.72	9310-DLC
KE112M	S566	22	63.50	3.5	5115	CW22	S710	5	5115

PISTON PIN UPGRADE

Pins included with Piston Kit

Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
KE113M	S722	22	60.00	5.72	9310	W5590	S722C	5.72	9310-DLC
KE114M	S655	22	57.15	4	5115	W5590	S796	5.08	52100
KE115M	S722	22	60.00	5.72	9310	W5590	S722C	5.72	9310-DLC
KE118M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE119M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE120M	S624	21	63.50	4	5115	CW21	S709	5	5115
KE121M	S721	21	60.00	5.72	9310	CW28	S721C	5.72	9310-DLC
KE122M	S750	21	60.00	5	5115	CW21	S721	5.72	9310
KE123M	S721	21	60.00	5.72	9310	CW28	S721C	5.72	9310-DLC
KE124M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE125M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE126M	S709	21	63.50	5	5115	CW28	S709C	5	5115-DLC
KE127M	S709	21	63.50	5	5115	CW28	S709C	5	5115-DLC
KE128M	S738	19.50	57.15	3.30	52100	W4958	not available		
KE129M	S738	19.50	57.15	3.30	52100	W4958	not available		
KE130M	S738	19.50	57.15	3.30	52100	W4958	not available		
KE131M	S721	21	60.00	5.72	9310	CW28	S721C	5.72	9310-DLC
KE132M	S656	21	50.85	4	5115	CW28	S733	5.72	9310
KE134M	S523	17	61.70	3	5115	CW17	S557	4	5115
KE135M	S499	18.50	62.00	3.3	5115	W5333	not available		
KE136M	S499	18.50	62.00	3.3	5115	W5333	not available		
KE137M	S499	18.50	62.00	3.3	5115	W5333	not available		
KE139M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE140M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE141M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE146M	S754	22.50	60.00	5	5115	CW29	not available		
KE147M	S549	20	50.85	3.5	5115	CW20	not available		
KE148M	S549	20	50.85	3.5	5115	CW20	not available		
KE149M	S733	21	50,85	5.72	9310	CW21	not available		
KE151M	S730	20.63	63.50	3.56	5115	W6139	not available		
KE154M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE155M	S729	23	63.50	5.15	5115	W6198	S805	4,57	9310
KE156M	S729	23	63.50	5.15	5115	W6198	S805	4,57	9310
KE157M	S729	23	63.50	5.15	5115	W6198	S805	4,57	9310
KE159M	S621	18	63.50	4	5115	CW18	not available		
KE160M	S621	18	63.50	4	5115	CW18	not available		
KE161M	S524	18	57.00	3	5115	CW18	not available		
KE163M	S527	21	54.00	3.5	5115	CW21	not available		
KE165M	S624	21	63.50	4	5115	CW28	S709	5	5115
KE166M	S566	22	63.50	3.5	5115	CW22	S710	5	5115
KE167M	S566	22	63.50	3.5	5115	CW22	S710	5	5115
KE168M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE169M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE172M	S624	21	63.50	4	5115	CW21	S709	5	5115
KE173M	S656	21	50.85	4	5115	CW28	S733	5.72	9310
KE174M	S624	21	63.50	4	5115	CW21	S709	5	5115
KE178M	S656	21	50.85	4	5115	CW28	S733	5.72	9310
KE179M	S656	21	50.85	4	5115	CW21	S733	5.72	9310
KE180M	S656	21	50.85	4	5115	CW21	S733	5.72	9310
KE182M	S627	24	63.50	4	5115	CW24	S807	4.57	9310
KE183M	S627	24	63.50	4	5115	CW24	S807	4.57	9310
KE184M	S627	24	63.50	4	5115	CW24	S807	4.57	9310
KE185M	S627	24	63.50	4	5115	CW24	S807	4.57	9310
KE186M	S549	20	50.85	3.5	5115	W5509	not available		
KE187M	S549	20	50.85	3.5	5115	W5509	not available		
KE188M	S656	21	50.85	4	5115	CW21	S733	5.72	9310
KE190M	S656	21	50.85	4	5115	CW21	S733	5.72	9310
KE191M	S623	20	63.50	4	5115	W5509	S708	5	5115
KE192M	S622	19	63.50	4	5115	CW19	not available		
KE195M	S698	20	60,00	4	52100	W5509	not available		
KE197M	S698	20	60.00	4	52100	W5509	not available		
KE198M	S625	22	63.50	4	5115	W5509	S710	5	5115
KE200M	S623	20	63.50	4	5115	W5509	S708	5	5115
KE201M	S624	21	63.50	4	5115	CW28	S709	5	5115
KE203M	S623	20	63.50	4	5115	W5509	S708	5	5115

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PISTON PIN UPGRADE

Pins included with Piston Kit

Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
KE204M	S708	20	63.50	5	5115	W5509	not available		
KE205M	S708	20	63.50	5	5115	W5509	not available		
KE206M	S626	23	63.50	4	5115	W5860	S805	4,57	9310
KE207M	S626	23	63.50	4	5115	CW23	S805	4,57	9310
KE208M	S627	24	63.50	4	5115	W6045	S807	4.57	9310
KE210M	S539	22	63.50	2.5	5115	CW22	S625	4	5115
KE211M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE212M	S709	21	63.50	5	5115	CW28	S709C	5	5115-DLC
KE215M	787-2050-16-93C	20	52.07	4.06	9310	787-050-MW	not available		
KE217M	S662	22	69.85	3.5	5115	CW22	not available		
KE218M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE219M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE220M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE221M	S627	24	63.50	4	5115	CW24	S807	4.57	9310
KE222M	S641	20	50.44	4	5115	W5509	S780	5.08	5115
KE223M	S419	20	54.00	3.5	5115	W5590	not available		
KE224M	S419	20	54.00	3.5	5115	W5590	not available		
KE226M	S419	20	54.00	3.5	5115	W5590	not available		
KE227M	S626	23	63.50	4	5115	W5860	S805	4,57	9310
KE228M	S710	22	63.50	5	5115	W5590	S710C	5	5115-DLC
KE229M	S729	23	63.50	5.15	5115	W5860	S805	4,57	9310
KE230M	S710	22	63.50	5	5115	W5590	S710C	5	5115-DLC
KE231M	S624	21	63.50	4	5115	CW28	S709	5	5115
KE232M	S624	21	63.50	4	5115	CW21	S709	5	5115
KE233M	S618	22	50.80	4	5115	CW22	S734	5.72	9310
KE234M	S566	22	63.50	3.5	5115	CW22	S710	5	5115
KE235M	S623	20	63.50	4	5115	W5509	S708	5	5115
KE237M	S656	21	50.85	4	5115	CW28	S733	5.72	9310
KE239M	S721	21	60.00	5.72	9310	CW28	S721C	5.72	9310-DLC
KE240M	S722	22	60.00	5.72	9310	W5590	S722C	5.72	9310-DLC
KE241M	S722	22	60.00	5.72	9310	W5590	S722C	5.72	9310-DLC
KE242M	S722	22	60.00	5.72	9310	W5590	S722C	5.72	9310-DLC
KE244M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE245M	S540	17	56.75	3	5115	CW17	not available		
KE246M	S623	20	63.50	4	5115	W5509	S708	5	5115
KE247M	S475	19	58.50	3.5	5115	CW19	not available		
KE248M	S623	20	63.50	4	5115	CW20	S708	5	5115
KE249M	S623	20	63.50	4	5115	CW20	S708	5	5115
KE251M	S751	22	60.00	5	5115	W5590	S722	5.72	9310
KE252M	S708	20	63.50	5	5115	W5509	not available		
KE253M	S626	23	63.50	4	5115	W5860	S805	4,57	9310
KE254M	S540	17	56.75	3	5115	CW17	not available		
KE255M	S540	17	56.75	3	5115	CW17	not available		
KE256M	S710	22	63.50	5	5115	CW22	not available		
KE257M	S656	21	50.85	4	5115	CW28	S733	5.72	9310
KE258M	S623	20	63.50	4	5115	W5509	S708	5	5115
KE259M	S623	20	63.50	4	5115	W5509	S708	5	5115
KE261M	S641	20	50.44	4	5115	W5509	S780	5.08	5115
KE262M	S641	20	50.44	4	5115	W5509	S780	5.08	5115
KE263M	S527	21	54.00	3.5	5115	CW21	not available		
KE264M	S631	20	60,00	4	5115	W5509	S698	4	52100
KE265M	S631	20	60,00	4	5115	W5509	S698	4	52100
KE266M	S626	23	63.50	4	5115	W5860	S805	4,57	9310
KE267M	S626	23	63.50	4	5115	CW23	S805	4,57	9310
KE270M	S722	22	60,00	5,72	9310	W5590	not available		
KE271M	S722	22	60,00	5,72	9310	W5590	not available		
KE290M	S656	21	50,85	4	5115	CW21	not available		
KE294M	S780	20	50.44	5.08	5115	W5509	not available		
KE295M	S780	20	50.44	5.08	5115	W5509	not available		
KE297M	S722	22	60.00	5.72	9310	W5590	S722C	5.72	9310-DLC
KE314M	S655	22	57.15	4	5115	W5590	S796	5.08	52100
KE315M	S722	22	60.00	5.72	9310	W5590	not available		
KE316M	S566	22	63.50	3.5	5115	CW22	S710	5	5115
KE317M	S625	22	63.50	4	5115	W5590	S710	5	5115

▲TOP

PISTON PIN UPGRADE

Pins included with Piston Kit / Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
KE318M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE319M	S625	22	63.50	4	5115	CW22	S710	5	5115
KE320M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE321M	S561	21	50.85	3.5	5115	CW21	S656	4,00	5115
KE322M	S623	20	63.50	4	5115	W5509	S708	5	5115
KE324M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE325M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE327M	S626	23	63.50	4	5115	W5860	S805	4,57	9310
KE344M	S625	22	63.50	4	5115	W5590	S710	5	5115
KE345M	S754	22.5	60,00	5,08	5115	CW29	not available		
KE365M	S660	19	50.44	4	5115	CW19	not available		
KE366M	S626	23	63.50	4	5115	W5860	S805	4,57	9310
KE538M	S627	24	63.50	4	5115	CW24	S807	4.57	9310

PISTON PINS

Wiseco Pin Chart

Part #	OD	Length (MM)	Wall Thickness (MM)	Gram Wt.	Material	Lock Part #	Lock Type
S524	.708" (18mm)	57,00	3,00	56	5115	CW18	Round Wire
S621	.708" (18mm)	63,50	3,99	87	5115	CW18	Round Wire
S499	.728" (18.5mm)	62,00	3,30	76	5115	W5333	Round Wire
S660	.748" (19mm)	50.44	4,00	73,8	5115	CW19	Round Wire
S475	.748" (19mm)	58,50	3,51	67	5115	CW19	Round Wire
S622	.748" (19mm)	63,50	3,99	93	5115	CW19	Round Wire
S707	.748" (19mm)	63,50	5,08	109	5115	CW19	Round Wire
S738	.768 (19.5mm)	57,15	3,30	74,9	52100	W4958	Round Wire
S641	.787" (20mm)	50,44	3,99	80	5115	W5509	Round Wire
S549	.787" (20mm)	50,85	3,48	63	5115	CW20	Round Wire
S553	.787" (20mm)	55,50	3,51	70	5115	CW20	Round Wire
S520	.787" (20mm)	60,00	3,51	75	5115	CW20	Round Wire
S698	.787" (20mm)	60,00	3,94	93	52100	CW20	Round Wire
S623	.787" (20mm)	63,50	3,99	100	5115	W5509	Round Wire
S708	.787" (20mm)	63,50	5,08	116,5	5115	W5509	Round Wire
S708C	.787" (20mm)	63,50	5,08	117,5	5115	DLC Coated Pin	Round Wire
S414	.787" (20mm)	82,00	3,50	114,4	52100	CW20	Round Wire
S730	.8124" (20.6mm)	63,50	3,56	95	5115	W6139	Round Wire
S561	.827" (21mm)	50,85	3,48	66	5115	CW21	Round Wire
S656	.827" (21mm)	50,85	3,99	85	5115	CW21	Round Wire
S733	.827" (21mm)	50,85	5,72	108,5	9310	CW21	Round Wire
S527	.827" (21mm)	54,00	3,48	80,8	5115	CW21	Round Wire
S750	.827" (21mm)	60,00	5,08	117	5115	CW28	Round Wire
S721	.827" (21mm)	60,00	5,72	128	9310	CW28	Round Wire
S721C	.827" (21mm)	60,00	5,72	129	9310	DLC Coated Pin	Round Wire
S624	.827" (21mm)	63,50	3,99	106	5115	CW21	Round Wire
S709	.827" (21mm)	63,50	5,08	124,5	5115	CW21	Round Wire
S709C	.827" (21mm)	63,50	5,08 TW	125,5	5115	DLC Coated Pin	Round Wire
S550	.866" (22mm)	50,85	3,48	71	5115	W5590	Round Wire
S618	.866" (22mm)	50,85	3,99	89,5	5115	W5590	Round Wire
S782	.866" (22mm)	50,80	5,08	105	5115	W5590	Round Wire
S734	.866" (22mm)	50,85	5,72	116	9310	W5590	Round Wire
S655	.866" (22mm)	57,15	4,01	101	5115	CW22	Round Wire
S747	.866" (22mm)	57,15	4,39	108	5115	CW22	Round Wire
S796	.866" (22mm)	57,15	5,08	120	52100	CW22	Round Wire
S751	.866" (22mm)	60,00	5,08	125	5115	W5590	Round Wire
S722	.866" (22mm)	60,00	5,72	137	9310	W5590	Round Wire
S722C	.866" (22mm)	60,00	5,72	138	9310	DLC Coated Pin	Round Wire
S694	.8661(22mm)	60,96	4,00	94	5115	CW22	Round Wire
S417	.866" (22mm)	63,50	3,50 TW	101	5115	CS22	Spiral
S566	.866" (22mm)	63,50	3,48	89	5115	CW22	Round Wire

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PISTON PINS

Wiseco Pin Chart

Part #	OD	Length (MM)	Wall Thickness (MM)	Gram Wt.	Material	Lock Part #	Lock Type
S625	.866" (22mm)	63,50	3,99	112	5115	W5590	Round Wire
S710	.866" (22mm)	63,50	5,00	132	5115	W5590	Round Wire
S710C	.866" (22mm)	63,50	5,00	133	5115	DLC Coated Pin	Round Wire
S720	.875" (22.2mm)	62,74	4,78	129	5115	CW22	Round Wire
S754	.886" (22.5mm)	60,00	5,08	128	5115	CW29	Round Wire
S611	.901"	63,50	4,06	122	5115	W5860	Round Wire
S551	.9055" (23mm)	50,85	3,48	75	5115	CW23	Round Wire
S790	.9055" (23mm)	57,15	5,59	134	52100	CW23	Round Wire
S752	.9055" (23mm)	60,00	5,08	132	5115	W5860	Round Wire
S792	.9055" (23mm)	57,15	5,59	142	52100	CW23	Round Wire
S794	.9055" (23mm)	60,00	5,69	145	52100	CW23	Round Wire
S729	.9055" (23mm)	63,50	5,13	142	5115	W5939	Snap Ring
S789	.9055" (23mm)	63,50	5,59 TW	150	52100	CW23	Round Wire
S805	.9055" (23mm)	63.50	4,57	-	9310	W5939	Snap Ring
S489	.912"	63,50	4,06	122	5115	CS24	Spiral
S761	.9252"	57,15	3,76	104	5115	CS24	Spiral
S643	.927"	57,15	3,81	104	5115	CS24	Spiral
S594	.927"	57,15	3,81 TW	105	5115	W5752	Round Wire
S691	.927"	57,15	4,39TW	109	9310	CS24	Spiral
S718	.927"	57,15	5,08	132	9310	CS24	Spiral
S699	.927"	63,50	3,81 TW	106	52100	CS24	Spiral
S425	.927"	63,50	3,81	105	9310	CS24	Spiral
S424	.927"	63,50	3,81	117	5115	CS24	Spiral
S575	.927"	63,50	3,81	117	5115	W5075	Round Wire
S756	.927"	63,50	3,81	117	5115	W5075	Round Wire
S765	.927"	63,50	4,57	135	5115	CS24	Spiral
S703	.927"	63,50	5,08	146	52100	CS24	Spiral
S795	.927"	69,85	3,94	130	5115	W5075	Round Wire
S801	.927"	69,85	5,59 TW	172	52100	CS24	Spiral
S426	.927"	74,93	3,81	123	9310	CS24	Spiral
S451	.927"	74,93	3,81	137	5115	CS24	Spiral
S758	.930"	63,50	3,81	118	5115	CS24	Spiral
S657	.945" (24mm)	57,15	4,01	112	5115	W6045	Round Wire
S785	.945" (24mm)	57,15	4,45	121,5	52100	W6045	Round Wire
S627	.945" (24mm)	63,50	3,99	125	5115	CW24	Round Wire
S490	.975"	74,42	3,94	148	5115	CS25	Spiral
S706	.980"	74,42	4,06	157	5115	CS25	Spiral
S803	.984"(25mm)	57,15	3,94	116	5115	CS25	Spiral
S547	.984"(25mm)	63,50	3,81	126	5115	CS25	Spiral
S760	.990"	63,50	4,65	146	5115	CS25	Spiral
S776	.990"	67,31	5,18 TW	170	52100	CS25	Spiral
S460	.990"	74,42	4,06	157	5115	CS25	Spiral
S462	.990"	74,42	4,57	173	5115	CS25	Spiral
S726	.990"	74,42	4,57	172	52100	CS25	Spiral
S667	.990"	74,42	5,08	187	52100	CS25	Spiral
S797	.990"	74,42	5,72	203	52100	CS25	Spiral
S757	1.000"	69,85	4,06	148	5115	CS25	Spiral
S614	1.000"	74,42	4,19	163	5115	CS25	Spiral
S791	1.031"	74,42	4,32	170	5115	W5301	Spiral
S497	1.040"	74,42	4,70	188	5115	W5314	Spiral
S768	1.094"	74,42	5,46	220	5115	W5315	Spiral
S498	1.094"	79,38	5,38	236	5115	W5315	Spiral

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PISTON PIN UPGRADE

Pins included with Piston Kit / Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
118558	927-2500-13-51S	23,55	63,50	3,30	5115	927-042-CS	927-2500-17-93S	4,32	9310
118560	927-2500-13-51S	23,55	63,50	3,30	5115	927-042-CS	927-2500-17-93S	4,32	9310
166035	866-2500-15-51C	22,00	63,50	3,81	5115	866-063-MW	866-2500-21-93C	5,33	9310
166036	866-2500-15-51C	22,00	63,50	3,81	5115	866-063-MW	866-2500-21-93C	5,33	9310
186235	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
186236	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
186237	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
186238	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
186239	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
186240	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
204256	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
208472	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
208474	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
208478	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
209849	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
209855	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
226379	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
242194	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
242862	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
242870	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
242871	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
242880	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
242881	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
242882	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
242909	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
242926	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
242928	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
252064	866-2500-15-51C	22,00	63,50	3,81	5115	866-063-MW	866-2500-21-93C	5,33	9310
252607	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
253995	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
255773	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
255774	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
255775	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
256468	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
256469	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
261663	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
261664	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
261665	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
261666	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
270665	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
270668	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
274045	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
274046	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
274048	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
274049	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
274051	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
274636	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
274637	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
274638	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
274639	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
274640	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
274642	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
274643	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
274644	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
274645	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
274646	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
274647	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
274648	905-2500-18-93C	23,00	63,50	4,57	9310	905-073-MW	905-2500-21-93C	5,33	9310
274649	905-2500-18-93C	23,00	63,50	4,57	9310	905-073-MW	905-2500-21-93C	5,33	9310
279930	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
279931	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
279932	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
279946	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
279947	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
279948	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310

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PISTON PIN UPGRADE

Pins included with Piston Kit / Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
279949	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
279950	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
279951	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
279953	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
279954	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
279955	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
279956	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
279957	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
279958	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
284779	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
284780	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
284781	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
286463	905-2250-18-93S	23,00	57,15	4,57	9310	905-042-CT	905-2250-21-93S	5,33	9310
289074	827-2500-15-51C	21,00	63,50	3,81	5115	827-063-MW	827-2500-21-93C	5,33	9310
289075	827-2500-15-51C	21,00	63,50	3,81	5115	827-063-MW	827-2500-21-93C	5,33	9310
289076	827-2500-15-51C	21,00	63,50	3,81	5115	827-063-MW	827-2500-21-93C	5,33	9310
289077	827-2500-15-51C	21,00	63,50	3,81	5115	827-063-MW	827-2500-21-93C	5,33	9310
289078	827-2500-15-51C	21,00	63,50	3,81	5115	827-063-MW	827-2500-21-93C	5,33	9310
289079	827-2500-15-51C	21,00	63,50	3,81	5115	827-063-MW	827-2500-21-93C	5,33	9310
289187	827-2500-15-51C	21,00	63,50	3,81	5115	827-063-MW	827-2500-21-93C	5,33	9310
289188	827-2500-15-51C	21,00	63,50	3,81	5115	827-063-MW	827-2500-21-93C	5,33	9310
289189	827-2500-15-51C	21,00	63,50	3,81	5115	827-063-MW	827-2500-21-93C	5,33	9310
289190	827-2500-15-51C	21,00	63,50	3,81	5115	827-063-MW	827-2500-21-93C	5,33	9310
289191	827-2500-15-51C	21,00	63,50	3,81	5115	827-063-MW	827-2500-21-93C	5,33	9310
289192	827-2500-15-51C	21,00	63,50	3,81	5115	827-063-MW	827-2500-21-93C	5,33	9310
291059	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
291060	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
291061	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
291062	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
291063	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
291064	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
291879	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
291880	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
291881	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
291882	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
291883	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
291884	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
291885	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
295733	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
295734	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
295742	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
295743	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
295744	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
295745	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
295751	708-2250-12-51C	18,00	57,15	3,05	5115	708-050-MW	708-2250-18-TTC	4,57	H13
296348	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
296349	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
296352	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
296901	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
296902	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
296904	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
296905	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
296908	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
296909	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
296910	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
296911	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
296932	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
296933	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
296935	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
296936	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
296963	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
296964	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297007	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297008	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297009	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310

PISTON PIN UPGRADE



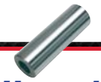
Pins included with Piston Kit

Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
297047	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297048	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297049	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297050	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297051	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297052	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297115	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
297116	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
297117	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
297118	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
297119	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
297120	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
297170	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297171	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297172	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297173	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297174	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297175	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297179	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297180	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297181	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297182	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297183	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297184	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297478	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297479	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297480	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297506	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297507	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297511	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
297512	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
298701	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
298702	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
298703	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
298715	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
298716	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
298717	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
298718	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
298727	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
298728	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
298729	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
298731	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
298732	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
298733	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
298736	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
298737	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
298738	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
298739	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
298740	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
298741	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
298946	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
298947	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
299205	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
299815	866-2500-15-51C	22,00	63,50	3,81	5115	866-063-MW	866-2500-21-93C	5,33	9310
299816	866-2500-15-51C	22,00	63,50	3,81	5115	866-063-MW	866-2500-21-93C	5,33	9310
301937	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
301938	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
301939	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
301940	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
301941	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
301942	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302000	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
302001	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
302020	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302021	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302022	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310

▲TOP

PISTON PIN UPGRADE



Pins included with Piston Kit

Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
302023	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302024	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302025	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302026	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302027	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302028	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302029	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302228	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302229	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302259	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302260	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302261	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302262	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302299	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302300	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302301	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302337	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302338	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302339	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302341	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302342	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302343	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302346	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302348	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302349	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302353	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302354	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302355	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302356	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302357	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302358	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302359	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302360	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302361	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
302410	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302411	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302412	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302413	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302414	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302415	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302416	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302417	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302418	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302419	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302420	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302421	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302497	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302498	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302499	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302500	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302502	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302503	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302504	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302505	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
302951	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
302952	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
302953	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
308177	787-2250-21-93C	20,00	57,15	5,33	9310	787-050-MW	787-2250-24-93C	6,10	9310
308178	787-2250-21-93C	20,00	57,15	5,33	9310	787-050-MW	787-2250-24-93C	6,10	9310
309212	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
309213	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
309214	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
309342	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
309343	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
309344	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
309411	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310

PISTON PIN UPGRADE



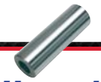
Pins included with Piston Kit

Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
309412	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
309413	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
309414	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
309415	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
309418	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
309419	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
309420	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
309421	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
309422	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
309423	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
309424	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
309425	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
309426	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
310320	866-2500-15-51C	22,00	63,50	3,81	5115	866-063-MW	866-2500-21-93C	5,33	9310
310321	866-2500-15-51C	22,00	63,50	3,81	5115	866-063-MW	866-2500-21-93C	5,33	9310
310886	866-2500-15-51C	22,00	63,50	3,81	5115	866-063-MW	866-2500-21-93C	5,33	9310
310887	866-2500-15-51C	22,00	63,50	3,81	5115	866-063-MW	866-2500-21-93C	5,33	9310
310888	866-2500-15-51C	22,00	63,50	3,81	5115	866-063-MW	866-2500-21-93C	5,33	9310
310889	866-2500-15-51C	22,00	63,50	3,81	5115	866-063-MW	866-2500-21-93C	5,33	9310
310927	905-2250-18-93S	23,00	57,15	4,57	9310	905-042-CT	905-2250-21-93S	5,33	9310
310936	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
310937	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
310938	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
312388	708-2250-12-51C	18,00	57,15	3,05	5115	708-050-MW	708-2250-18-TTC	4,57	H13
312389	767-2250-13-TSC	19,48	57,15	3,30	H13	767-050-MW	not available		
312390	767-2250-13-TSC	19,48	57,15	3,30	H13	767-050-MW	not available		
312391	767-2250-13-TSC	19,48	57,15	3,30	H13	767-050-MW	not available		
312392	767-2250-13-TSC	19,48	57,15	3,30	H13	767-050-MW	not available		
312393	767-2250-13-TSC	19,48	57,15	3,30	H13	767-050-MW	not available		
312394	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
312395	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
312396	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
312397	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
312398	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
312399	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
312400	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
312401	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
312402	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
312403	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
312404	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
312405	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
312414	827-2250-15-51C	21,00	57,15	3,81	5115	827-050-MW	827-2250-21-93C	5,33	9310
312415	827-2250-15-51C	21,00	57,15	3,81	5115	827-050-MW	827-2250-21-93C	5,33	9310
312416	827-2250-15-51C	21,00	57,15	3,81	5115	827-050-MW	827-2250-21-93C	5,33	9310
312417	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
312418	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
312419	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
312420	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
312421	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
312422	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
312423	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
312424	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
312425	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
312426	708-2250-12-51C	18,00	57,15	3,05	5115	708-050-MW	708-2250-18-TTC	4,57	H13
312427	708-2250-12-51C	18,00	57,15	3,05	5115	708-050-MW	708-2250-18-TTC	4,57	H13
312428	708-2250-12-51C	18,00	57,15	3,05	5115	708-050-MW	708-2250-18-TTC	4,57	H13
312429	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
312431	708-2250-12-51C	18,00	57,15	3,05	5115	708-050-MW	708-2250-18-TTC	4,57	H13
312432	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
312433	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
312434	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
312435	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
312436	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
312437	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
312438	708-2250-12-51C	18,00	57,15	3,05	5115	708-050-MW	708-2250-18-TTC	4,57	H13
312439	708-2250-12-51C	18,00	57,15	3,05	5115	708-050-MW	708-2250-18-TTC	4,57	H13

▲TOP

PISTON PIN UPGRADE



Pins included with Piston Kit

Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
312440	827-2250-15-51C	21,00	57,15	3,81	5115	827-050-MW	827-2250-21-93C	5,33	9310
312441	827-2250-15-51C	21,00	57,15	3,81	5115	827-050-MW	827-2250-21-93C	5,33	9310
312442	827-2250-15-51C	21,00	57,15	3,81	5115	827-050-MW	827-2250-21-93C	5,33	9310
312443	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
312444	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
312445	787-2250-18-TTC	20,00	57,15	4,57	H13	787-050-MW	787-2250-21-93C	5,33	9310
312449	827-2250-15-51C	21,00	57,15	3,81	5115	827-050-MW	827-2250-21-93C	5,33	9310
312450	827-2250-15-51C	21,00	57,15	3,81	5115	827-050-MW	827-2250-21-93C	5,33	9310
312451	827-2250-15-51C	21,00	57,15	3,81	5115	827-050-MW	827-2250-21-93C	5,33	9310
312453	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
312454	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
312455	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
312457	827-2250-15-51C	21,00	57,15	3,81	5115	827-050-MW	827-2250-21-93C	5,33	9310
312458	827-2250-15-51C	21,00	57,15	3,81	5115	827-050-MW	827-2250-21-93C	5,33	9310
312459	827-2250-15-51C	21,00	57,15	3,81	5115	827-050-MW	827-2250-21-93C	5,33	9310
314301	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
314302	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
314303	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
314304	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
314311	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
314312	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
314313	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
314314	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
314315	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
314316	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
314317	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
314318	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
314319	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
314320	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
314321	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
314322	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
314323	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
314324	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
314325	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
314326	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
314327	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
314335	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314336	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314337	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314338	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314339	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314340	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314341	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314342	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314343	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314344	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314345	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314346	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314350	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314351	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314352	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314437	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314438	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314439	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314440	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314441	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314442	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314446	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314447	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314448	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314449	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314450	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
314451	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
315114	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
315115	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
315116	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310

▲TOP

PISTON PIN UPGRADE

Pins included with Piston Kit / Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
315117	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
315118	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
315119	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
315120	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
315121	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
315122	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
315146	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
315147	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
315148	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
315149	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
315150	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
315151	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
317750	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
317751	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
317752	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
317754	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
317755	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
317756	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
317757	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
317758	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
317759	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
317760	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
317761	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
317836	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
317837	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
317838	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
317839	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
317840	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
317841	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
317842	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
317843	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
317844	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
317845	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
317882	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
317883	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
317884	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
317885	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
317886	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
317887	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
317917	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
317918	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
317919	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
317920	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
317921	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
317922	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
317924	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
317925	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
317926	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
317927	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
317928	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
317929	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
317930	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
317931	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
317932	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
318012	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
318013	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
318014	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
318015	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
318016	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
318017	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
318018	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
318019	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
318020	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
318021	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
318022	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
318023	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310

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PISTON PIN UPGRADE

Pins included with Piston Kit / Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
321249	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321250	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321251	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321252	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321253	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321254	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321257	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321258	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321259	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321260	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321261	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321262	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321263	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321264	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321265	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321266	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321267	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321268	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321269	905-2250-21-93C	23,00	57,15	5,33	9310	905-073-MW	905-2250-21-93C	5,33	9310
321270	905-2250-21-93C	23,00	57,15	5,33	9310	905-073-MW	not available		
321271	905-2250-21-93C	23,00	57,15	5,33	9310	905-073-MW	not available		
321272	905-2250-21-93C	23,00	57,15	5,33	9310	905-073-MW	not available		
321311	024-2500-20-51S	26,00	63,50	5,08	5115	031-042-CS	not available		
321312	024-2500-20-51S	26,00	63,50	5,08	5115	031-042-CS	not available		
321313	024-2500-20-51S	26,00	63,50	5,08	5115	031-042-CS	not available		
321314	024-2500-20-51S	26,00	63,50	5,08	5115	031-042-CS	not available		
321315	024-2500-20-51S	26,00	63,50	5,08	5115	031-042-CS	not available		
321316	024-2500-20-51S	26,00	63,50	5,08	5115	031-042-CS	not available		
321317	024-2500-20-51S	26,00	63,50	5,08	5115	031-042-CS	not available		
321318	024-2500-20-51S	26,00	63,50	5,08	5115	031-042-CS	not available		
321319	024-2500-20-51S	26,00	63,50	5,08	5115	031-042-CS	not available		
321320	024-2500-20-51S	26,00	63,50	5,08	5115	031-042-CS	not available		
321321	024-2500-20-51S	26,00	63,50	5,08	5115	031-042-CS	not available		
321322	024-2500-20-51S	26,00	63,50	5,08	5115	031-042-CS	not available		
321323	024-2500-20-51S	26,00	63,50	5,08	5115	031-042-CS	not available		
321324	024-2500-20-51S	26,00	63,50	5,08	5115	031-042-CS	not available		
321325	024-2500-20-51S	26,00	63,50	5,08	5115	031-042-CS	not available		
321326	024-2500-20-51S	26,00	63,50	5,08	5115	031-042-CS	not available		
321327	024-2500-20-51S	26,00	63,50	5,08	5115	031-042-CS	not available		
321328	024-2500-20-51S	26,00	63,50	5,08	5115	031-042-CS	not available		
321330	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321331	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321332	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321333	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321334	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321335	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321357	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321358	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321359	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321360	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321361	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321362	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321363	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
321364	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
322287	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
322288	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
322289	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
322290	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
322459	945-2250-15-51C	24,00	57,15	3,81	5115	945-073-MW	945-2250-18-52C	4,57	52100
322460	945-2250-15-51C	24,00	57,15	3,81	5115	945-073-MW	945-2250-18-52C	4,57	52100
322461	945-2250-15-51C	24,00	57,15	3,81	5115	945-073-MW	945-2250-18-52C	4,57	52100
322462	945-2250-15-51C	24,00	57,15	3,81	5115	945-073-MW	945-2250-18-52C	4,57	52100
322463	945-2250-15-51C	24,00	57,15	3,81	5115	945-073-MW	945-2250-18-52C	4,57	52100
322464	945-2250-15-51C	24,00	57,15	3,81	5115	945-073-MW	945-2250-18-52C	4,57	52100
322465	945-2250-15-51C	24,00	57,15	3,81	5115	945-073-MW	945-2250-18-52C	4,57	52100
322466	945-2250-15-51C	24,00	57,15	3,81	5115	945-073-MW	945-2250-18-52C	4,57	52100

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PISTON PIN UPGRADE

Pins included with Piston Kit / Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
325249	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	52100
325250	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
325251	905-2250-18-51S	23,00	57,15	4,57	5115	905-042-CT	905-2250-21-93S	5,33	9310
325562	708-2250-12-51C	18,00	57,15	3,05	5115	708-050-MW	708-2250-18-TTC	4,57	H13
325563	708-2250-12-51C	18,00	57,15	3,05	5115	708-050-MW	708-2250-18-TTC	4,57	H13
325564	708-2250-12-51C	18,00	57,15	3,05	5115	708-050-MW	708-2250-18-TTC	4,57	H13
325565	708-2250-12-51C	18,00	57,15	3,05	5115	708-050-MW	708-2250-18-TTC	4,57	H13
325566	708-2250-12-51C	18,00	57,15	3,05	5115	708-050-MW	708-2250-18-TTC	4,57	H13
326320	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
326321	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
326322	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
326411	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
326412	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
326413	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
326414	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
326415	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
327828	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
327829	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
327830	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
327831	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
327832	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
327833	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
327834	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
327835	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
327836	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
327837	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
327838	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
327839	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
327840	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
327841	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
327842	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
327843	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
327844	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
327845	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
329244	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
329245	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
329246	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
329247	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
329248	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
329249	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
331158	905-2500-18-93C	23,00	63,50	4,57	9310	905-073-MW	905-2500-21-93C	5,33	9310
331159	905-2500-18-93C	23,00	63,50	4,57	9310	905-073-MW	905-2500-21-93C	5,33	9310
331512	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
331513	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
331514	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
331515	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
331516	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
331517	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
331519	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
331520	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
331521	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
331522	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
331523	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
331524	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
337050	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
337051	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
337052	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
337924	886-2250-18-51C	22,50	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
337925	886-2250-18-51C	22,50	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
337926	886-2250-18-51C	22,50	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
337966	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
337967	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
337968	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
338057	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
338058	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
338059	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310

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PISTON PIN UPGRADE

Pins included with Piston Kit / Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
338060	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
338061	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
338062	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
338063	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
338082	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338083	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338084	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338085	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338086	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338087	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338088	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338089	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338090	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338091	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338092	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338093	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338094	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
338095	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
338096	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
338097	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
340860	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
343240	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
345617	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345618	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
345619	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
345620	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
345622	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345623	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345624	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345625	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345626	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345627	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345628	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345629	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345630	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345631	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345632	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345633	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345812	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
345813	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
345814	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
345815	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
345817	905-2250-15-51C	22,99	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
345818	905-2250-15-51C	22,99	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
345819	905-2250-15-51C	22,99	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
345820	905-2250-15-51C	22,99	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
345821	945-2250-15-51C	24,00	57,15	3,81	5115	945-073-MW	945-2250-18-52C	4,57	52100
345822	945-2250-15-51C	24,00	57,15	3,81	5115	945-073-MW	945-2250-18-52C	4,57	52100
345870	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345871	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
346348	905-2250-18-51C	22,99	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
351873	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
351874	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
352360	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
352361	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353218	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353219	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353220	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353221	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353222	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353223	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353224	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353225	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353226	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353227	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353228	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310

PISTON PIN UPGRADE



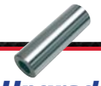
Pins included with Piston Kit

Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
353229	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353230	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353231	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353232	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353233	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353234	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353235	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353236	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353237	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353238	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353239	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353240	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353242	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353243	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353244	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353245	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353246	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353247	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353248	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353249	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353250	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353251	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353252	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353253	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353254	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353255	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353256	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353283	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353284	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353285	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353286	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353287	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353288	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353289	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353290	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353291	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353292	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353293	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353296	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353297	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353298	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353299	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353301	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353302	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353303	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353304	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353305	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353306	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353307	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353308	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353309	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353310	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353311	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353312	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353313	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353823	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353824	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353825	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353826	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353827	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353828	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353829	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353830	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353831	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353832	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353833	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310

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PISTON PIN UPGRADE



Pins included with Piston Kit

Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
353834	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353835	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353836	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353837	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353838	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353839	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
353840	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
353841	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
353842	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
353843	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
353844	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
353845	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353846	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353847	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353848	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353849	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353850	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353851	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353852	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353853	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353854	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353855	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
353856	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
353857	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
353858	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
353859	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
353860	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
353861	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
353862	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
353863	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
353864	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
353868	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
357427	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
357428	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
357429	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
357430	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
338083	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338084	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338085	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338086	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338087	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338088	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338089	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338090	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338091	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338092	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338093	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
338094	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
338095	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
338096	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
338097	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
340860	905-2500-15-51C	23,00	63,50	3,81	5115	905-073-MW	905-2500-21-93C	5,33	9310
343240	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
345617	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345618	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
345619	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
345620	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
345622	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345623	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345624	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345625	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345626	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345627	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345628	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345629	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345630	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310

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PISTON PIN UPGRADE

Pins included with Piston Kit / Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
345631	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345632	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345633	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345812	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
345813	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
345814	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
345815	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
345817	905-2250-15-51C	22,99	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
345818	905-2250-15-51C	22,99	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
345819	905-2250-15-51C	22,99	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
345820	905-2250-15-51C	22,99	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
345821	945-2250-15-51C	24,00	57,15	3,81	5115	945-073-MW	945-2250-18-52C	4,57	52100
345822	945-2250-15-51C	24,00	57,15	3,81	5115	945-073-MW	945-2250-18-52C	4,57	52100
345870	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
345871	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
346348	905-2250-18-51C	22,99	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
351873	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
351874	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
352360	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
352361	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353218	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353219	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353220	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353221	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353222	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353223	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353224	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353225	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353226	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353227	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353228	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353229	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353230	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353231	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353232	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353233	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353234	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353235	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353236	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353237	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353238	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353239	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353240	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353242	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353243	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353244	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353245	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353246	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353247	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353248	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353249	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353250	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353251	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353252	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353253	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353254	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353255	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353256	866-2500-15-93C	22,00	63,50	3,81	9310	866-063-MW	866-2500-21-93C	5,33	9310
353283	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353284	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353285	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353286	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353287	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353288	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353289	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353290	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310

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PISTON PIN UPGRADE

Pins included with Piston Kit / Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
353291	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353292	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353293	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353296	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353297	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353298	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353299	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353301	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353302	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353303	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353304	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353305	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353306	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353307	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353308	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353309	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353310	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353311	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353312	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353313	905-2500-15-52C	23,00	63,50	3,81	52100	905-073-MW	905-2500-21-93C	5,33	9310
353823	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353824	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353825	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353826	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353827	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353828	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353829	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353830	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353831	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353832	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353833	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353834	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353835	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353836	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353837	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353838	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
353839	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
353840	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
353841	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
353842	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
353843	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
353844	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
353845	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353846	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353847	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353848	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353849	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353850	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353851	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353852	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353853	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353854	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
353855	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
353856	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
353857	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
353858	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
353859	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
353860	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
353861	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
353862	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
353863	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
353864	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
353868	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
357427	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
357428	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
359150	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310

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PISTON PIN UPGRADE



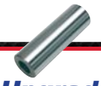
Pins included with Piston Kit

Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
359151	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
359152	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
359153	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
359154	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
359155	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
359156	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
359157	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
359158	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
359159	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
359160	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
359188	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
359189	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
359190	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
359191	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
360928	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
360929	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
360930	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
360931	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
360932	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
360933	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
360934	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
360935	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
361252	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361253	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361254	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
361255	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
361256	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
361257	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
361260	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361261	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361262	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361263	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361264	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361265	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361266	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361267	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361270	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361271	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361272	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361273	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361274	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361275	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361278	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361279	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361280	787-2250-21-93C	20,00	57,15	5,33	9310	787-050-MW	787-2250-24-93C	6,10	9310
361281	787-2250-21-93C	20,00	57,15	5,33	9310	787-050-MW	787-2250-24-93C	6,10	9310
361282	787-2250-21-93C	20,00	57,15	5,33	9310	787-050-MW	787-2250-24-93C	6,10	9310
361285	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
361286	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
361287	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361288	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361289	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361290	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361291	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361292	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361293	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
361294	905-2250-18-51C	23,00	57,15	4,57	5115	905-073-MW	905-2250-21-93C	5,33	9310
361295	905-2250-21-93C	23,00	57,15	5,33	9310	905-073-MW	905-2250-21-93C	5,33	9310
361296	905-2250-21-93C	23,00	57,15	5,33	9310	905-073-MW	905-2250-21-93C	5,33	9310
361297	905-2250-21-93C	23,00	57,15	5,33	9310	905-073-MW	905-2250-21-93C	5,33	9310
361298	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361299	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361300	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361301	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
361302	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13

▲TOP

PISTON PIN UPGRADE



Pins included with Piston Kit

Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
361303	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361304	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361305	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361306	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361307	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361310	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
361311	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
361312	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
361313	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
361314	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361315	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361316	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361317	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361318	905-2250-21-93S	23,00	57,15	5,33	9310	905-042-TC	not available		
361319	905-2250-21-93S	23,00	57,15	5,33	9310	905-042-TC	not available		
361320	905-2250-21-93S	23,00	57,15	5,33	9310	905-042-TC	not available		
361321	905-2250-21-93S	23,00	57,15	5,33	9310	905-042-TC	not available		
361322	905-2250-21-93S	23,00	57,15	5,33	9310	905-042-TC	not available		
361323	905-2250-21-93S	23,00	57,15	5,33	9310	905-042-TC	not available		
361324	905-2250-21-93S	23,00	57,15	5,33	9310	905-042-TC	not available		
361325	905-2250-21-93S	23,00	57,15	5,33	9310	905-042-TC	not available		
361326	905-2250-21-93S	23,00	57,15	5,33	9310	905-042-TC	not available		
361327	905-2250-21-93S	23,00	57,15	5,33	9310	905-042-TC	not available		
361328	905-2250-21-93S	23,00	57,15	5,33	9310	905-042-TC	not available		
361329	905-2250-21-93S	23,00	57,15	5,33	9310	905-042-TC	not available		
361330	905-2250-21-93S	23,00	57,15	5,33	9310	905-042-TC	not available		
361331	905-2250-21-93S	23,00	57,15	5,33	9310	905-042-TC	not available		
361332	905-2250-21-93S	23,00	57,15	5,33	9310	905-042-TC	not available		
361333	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361334	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361335	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361336	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361341	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361342	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361343	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
361344	905-2250-21-93S	23,00	57,15	5,33	9310	905-042-TC	866-2250-25-TSC	6,35	H13
361346	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361347	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361348	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361349	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
361350	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
361351	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
361352	945-2250-15-51C	21,00	57,15	3,81	5115	945-073-MW	945-2250-18-52C	4,57	52100
361353	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361355	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
361356	827-2250-15-51C	21,00	57,15	3,81	5115	827-063-MW	827-2250-21-93C	5,33	9310
361357	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361358	866-2500-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
361359	866-2500-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
361360	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361361	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
361362	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
361363	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
361364	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
361365	905-2250-15-51C	23,00	57,15	3,81	5115	905-073-MW	905-2250-21-93C	5,33	9310
361451	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361452	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361453	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361454	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361455	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
361456	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
361457	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
361458	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
361459	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310
361460	787-2250-18-51C	20,00	57,15	4,57	5115	787-050-MW	787-2250-21-93C	5,33	9310

PISTON PIN UPGRADE

Pins included with Piston Kit

Upgrade Pins

Part #	Pin Part #	Pin OD	Pin Length	Wall Thickness	Material	Clip #	Pin Upgrade Part #	Wall Thickness	Material
361461	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361462	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361463	866-2250-18-51C	22,00	57,15	4,57	5115	866-063-MW	866-2250-23-93C	5,84	9310
361464	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
361465	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
361466	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
361467	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
361468	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
361469	866-2500-15-51C	22,00	63,50	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
361470	787-2050-14-93C	20,00	52,07	3,55	9310	787-050-MW	787-2050-16-93C	4,06	9310
361471	787-2050-14-93C	20,00	52,07	3,55	9310	787-050-MW	787-2050-16-93C	4,06	9310
361472	787-2050-14-93C	20,00	52,07	3,55	9310	787-050-MW	787-2050-16-93C	4,06	9310
361473	787-2050-14-93C	20,00	52,07	3,55	9310	787-050-MW	787-2050-16-93C	4,06	9310
361474	787-2050-14-93C	20,00	52,07	3,55	9310	787-050-MW	787-2050-16-93C	4,06	9310
361475	787-2050-14-93C	20,00	52,07	3,55	9310	787-050-MW	787-2050-16-93C	4,06	9310
362143	905-2250-21-93C	23,00	57,15	5,33	9310	905-073-MW	905-2250-21-93C	5,33	9310
362209	787-2500-14-51C	20,00	63,50	3,55	5115	787-050-MW	787-2500-17-98C	4,32	9310
362210	787-2500-14-51C	20,00	63,50	3,55	5115	787-050-MW	787-2500-17-98C	4,32	9310
362211	787-2500-14-51C	20,00	63,50	3,55	5115	787-050-MW	787-2500-17-98C	4,32	9310
362212	787-2500-14-51C	20,00	63,50	3,55	5115	787-050-MW	787-2500-17-98C	4,32	9310
362213	787-2500-14-51C	20,00	63,50	3,55	5115	787-050-MW	787-2500-17-98C	4,32	9310
362214	787-2500-14-51C	20,00	63,50	3,55	5115	787-050-MW	787-2500-17-98C	4,32	9310
362215	669-2250-12-51C	17,00	57,15	3,05	5115	669-050-MW	669-2250-14-TSC	3,55	H13
362216	669-2250-12-51C	17,00	57,15	3,05	5115	669-050-MW	669-2250-14-TSC	3,55	H13
362220	728-2250-12-TSC	18,50	57,15	3,05	H13	728-050-MW	728-2250-18-TSC	4,57	H13
362221	728-2250-12-TSC	18,50	57,15	3,05	H13	728-050-MW	728-2250-18-TSC	4,57	H13
362222	728-2250-12-TSC	18,50	57,15	3,05	H13	728-050-MW	728-2250-18-TSC	4,57	H13
362223	728-2250-12-TSC	18,50	57,15	3,05	H13	728-050-MW	728-2250-18-TSC	4,57	H13
362224	728-2250-12-TSC	18,50	57,15	3,05	H13	728-050-MW	728-2250-18-TSC	4,57	H13
362225	728-2250-12-TSC	18,50	57,15	3,05	H13	728-050-MW	728-2250-18-TSC	4,57	H13
362226	728-2250-12-TSC	18,50	57,15	3,05	H13	728-050-MW	728-2250-18-TSC	4,57	H13
362227	728-2250-12-TSC	18,50	57,15	3,05	H13	728-050-MW	728-2250-18-TSC	4,57	H13
362228	728-2250-12-TSC	18,50	57,15	3,05	H13	728-050-MW	728-2250-18-TSC	4,57	H13
362229	728-2250-12-TSC	18,50	57,15	3,05	H13	728-050-MW	728-2250-18-TSC	4,57	H13
362230	728-2250-12-TSC	18,50	57,15	3,05	H13	728-050-MW	728-2250-18-TSC	4,57	H13
362231	728-2250-12-TSC	18,50	57,15	3,05	H13	728-050-MW	728-2250-18-TSC	4,57	H13
363325	748-2050-16-93C	19,00	52,07	4,06	9310	748-050-MW	787-2050-21-93C	5,33	9310
363326	748-2050-16-93C	19,00	52,07	4,06	9310	748-050-MW	787-2050-21-93C	5,33	9310
363327	748-2050-16-93C	19,00	52,07	4,06	9310	748-050-MW	787-2050-21-93C	5,33	9310
365723	866-2250-15-51C	22,00	57,15	3,81	5115	866-063-MW	866-2250-23-93C	5,84	9310
367841	827-2250-21-93C	21,00	57,15	5,33	9310	827-063-MW	not available		
367842	827-2250-21-93C	21,00	57,15	5,33	9310	827-063-MW	not available		
367843	827-2250-21-93C	21,00	57,15	5,33	9310	827-063-MW	not available		
367844	827-2250-21-93C	21,00	57,15	5,33	9310	827-063-MW	not available		
367845	827-2250-21-93C	21,00	57,15	5,33	9310	827-063-MW	not available		
367877	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
367878	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
367879	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
367880	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
367882	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
367884	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
367892	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
367893	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
367894	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
367895	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
367898	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
367899	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
367900	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
367901	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
367908	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
367909	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13
367910S	866-2250-23-93C	22,00	57,15	5,84	9310	866-063-MW	866-2250-25-TSC	6,35	H13

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PISTON PIN UPGRADE

JE Pin Series legend

Series	Description
34 SERIES	DLC CASIDIAM COATED STRAIGHT WALL
38 SERIES	C350 CASIDIAM COATED STRAIGHT WALL
51 SERIES	5115 LOW CARBON STEEL, CASE HARDENED, STRAIGHT WALL
52 SERIES	52100 HIGH CARBON STEEL, THROUGH HARDENED, STRAIGHT WALL
55 SERIES	5115 LOW CARBON STEEL, CASE HARDENED, STRAIGHT WALL
64 SERIES	GKHW DLC COATED STRAIGHT WALL
72 SERIES	300M STRAIGHT WALL
93 SERIES	9310 NICKEL CARBON STEEL ALLOY, STRAIGHT WALL
94 SERIES	9310 NICKEL CARBON STEEL ALLOY WITH DLC COATING
95 SERIES	9310 NICKEL CARBON STEEL ALLOY, TAPERED WALL
98 SERIES	9310 NICKEL CARBON STEEL ALLOY WITH CASIDIAM COATING
5D SERIES	52100 HIGH CARBON STEEL, THROUGH HARDENED, STRAIGHT WALL DLC COATED
9B SERIES	9310 NICKEL CARBON STEEL ALLOY WITH DLC COATING
9D SERIES	9310 NICKEL CARBON STEEL ALLOY WITH DLC COATING
CT SERIES	S7 THROUGH HARDENED TAPERED WALL
PC SERIES	9310 NICKEL CARBON STEEL ALLOY TAPERED WALL DLC COATED
PE SERIES	9310 NICKEL CARBON STEEL ALLOY TAPERED WALL DLC COATED
PS SERIES	9310 NICKEL CARBON STEEL ALLOY PRECISION STRAIGHT WALL
PT SERIES	9310 NICKEL CARBON STEEL ALLOY PRECISION TAPERED WALL
TS SERIES	H13 TOOL STEEL ALLOY, STRAIGHT WALL
TT SERIES	H13 TOOL STEEL ALLOY, TAPERED WALL



PISTON PINS

JE Pistons Pin Chart

PART NUMBER	DIAMETER	LENGTH	WALL THICKNESS	GRAM
490-1908-06-51S	12,4	48,46	1,52	22
490-2075-09-55S	12,4	69,85	2,29	-
512-1535-10-5XC	13	38,99	2,54	-
551-1650-12-93C	14	41,91	3,05	34
591-1500-14-PTC	15	38,10	3,56	-
591-1650-14-PCC	15	41,91	3,56	-
591-1650-14-PTC	15	41,91	3,56	40
591-1750-10-93C	15	44,45	2,54	35
591-1750-14-PTC	15	44,45	3,56	-
591-2050-10-52C	15	52,07	2,54	42
591-2050-11-51C	15	52,07	2,79	43
630-1500-14-93C	16	38,10	3,56	42
630-1500-14-9BC	16	38,10	3,56	-
630-1500-14-PCC	16	38,10	3,56	-
630-1500-14-PTC	16	38,10	3,56	-
630-1650-12-93C	16	41,91	3,05	40
630-1650-14-PCC	16	41,91	3,56	-
630-1650-14-PTC	16	41,91	3,56	42
630-1750-12-93C	16	44,45	3,05	43
630-1750-14-PTC	16	44,45	3,56	45
630-2050-14-95C	16	52,07	3,56	53
630-2050-14-PTC	16	52,07	3,56	55
630-2050-17-PSC	16	63,50	4,32	-
669-1650-14-TTC	17	41,91	3,56	-
669-2050-11-52C	17	52,07	2,79	51
669-2050-12-51C	17	52,07	3,05	53
669-2050-14-52C	17	52,07	3,56	60
669-2250-11-TSC	17	57,15	2,79	-
669-2250-12-51C	17	57,15	3,05	59
669-2250-14-52C	17	57,15	3,56	67
687-2250-12-TSC	17,4	57,15	3,05	-
708-1600-14-66C	18	40,64	3,56	47
708-1650-14-PTC	18	41,91	3,56	50
708-1750-14-PTC	18	44,45	3,56	52
708-1925-16-93C	18	48,90	4,06	-
708-1925-16-9BC	18	48,90	4,06	-
708-2000-17-64C	18	50,80	4,32	73
708-2050-10-93C	18	52,07	2,54	50
708-2050-12-51C	18	52,07	3,05	58
708-2050-12-93C	18	52,07	3,05	57
708-2050-14-51C	18	52,07	3,56	64
708-2050-14-93C	18	52,07	3,56	65
708-2050-16-93C	18	52,07	4,06	71
708-2050-16-9DC	18	52,07	4,06	-
708-2250-10-52C	18	57,15	2,54	55
708-2250-12-51C	18	57,15	3,05	64
708-2250-12-TSC	18	57,15	3,05	-
708-2250-14-93C	18	57,15	3,56	71
708-2250-18-TTC	18	57,15	4,57	-
708-2350-18-PTC	18	59,69	4,57	83
710-1800-20-64C	18	45,72	5,08	72
728-2250-12-TSC	18,5	57,15	3,05	-
748-1650-14-93C	19	41,91	3,56	-
748-1750-16-93C	19	44,45	4,06	65
748-2050-12-52C	19	52,07	3,05	61
748-2050-14-93C	19	52,07	3,56	70
748-2050-16-93C	19	52,07	4,06	77
748-2050-16-9BC	19	63,50	4,06	-
748-2250-12-51C	19	57,15	3,05	70
748-2250-12-51S	19	57,15	3,05	70
748-2250-12-52C	19	57,15	3,05	68
748-2250-14-51C	19	57,15	3,56	76
748-2250-14-95C	19	57,15	3,56	72
748-2500-12-51C	19	63,50	3,05	78
748-2500-12-52C	19	63,50	3,05	75
748-2500-14-PTC	19	63,50	3,56	79

PART NUMBER	DIAMETER	LENGTH	WALL THICKNESS	GRAM
749-1800-18-64C	19	45,72	4,57	72
750-1800-13-52C	19,1	45,72	3,30	-
750-2250-13-52C	19,1	57,15	3,30	72
750-2500-14-51C	19,1	63,50	3,56	86
750-2500-14-51S	19,1	63,50	3,56	86
767-2250-13-TSC	19,5	57,15	3,30	-
787-1800-14-93C	20	45,72	3,56	-
787-1800-18-38C	20	45,72	4,57	81
787-2000-15-64C	20	50,80	3,81	-
787-2050-10-93C	20	52,07	2,54	57
787-2050-14-93C	20	52,07	3,56	74
787-2050-16-93C	20	52,07	4,06	82
787-2050-16-9BC	20	63,50	4,06	-
787-2050-18-TTC	20	63,50	4,57	-
787-2050-21-93C	20	63,50	5,33	-
787-2250-11-93C	20	57,15	2,79	69
787-2250-12-51C	20	57,15	3,05	69
787-2250-14-93C	20	57,15	3,56	83
787-2250-18-51C	20	57,15	4,57	97
787-2250-18-TTC	20	57,15	4,57	-
787-2250-21-93C	20	57,15	5,33	110
787-2350-10-93C	20	59,69	2,54	66
787-2350-14-51C	20	59,69	3,56	87
787-2350-14-93C	20	59,69	3,56	87
787-2350-18-PTC	20	59,69	4,57	94
787-2500-12-51C	20	63,50	3,05	77
787-2500-14-51C	20	63,50	3,56	93
787-2500-14-51S	20	63,50	3,56	93
787-2500-17-98C	20	63,50	4,32	-
787-2850-14-51S	20	72,39	3,56	-
788-1800-18-64C	20	45,72	4,57	79
790-2000-16-64C	20,1	50,80	4,06	81
791-2250-11-52C	20,1	57,15	2,79	-
791-2500-14-51C	20,1	63,50	3,56	95
791-2500-14-51S	20,1	63,50	3,56	95
791-2795-14-51C	20,1	70,99	3,56	105
791-2795-14-51S	20,1	70,99	3,56	105
792-2500-14-51C	20,1	63,50	3,56	87
792-2500-14-51S	20,1	63,50	3,56	87
792-2795-14-51C	20,1	70,99	3,56	97
792-2795-14-51S	20,1	70,99	3,56	97
812-2050-13-PTC	20.63	52,07	3,30	68
812-2250-12-TSC	20.63	57,15	3,05	-
812-2250-14-51C	20.63	57,15	3,56	86
812-2250-14-51S	20.63	57,15	3,56	86
812-2250-14-95C	20.63	57,15	3,56	79
812-2250-15-98C	20.63	57,15	3,81	-
812-2485-15-PSC	20.63	63,12	3,81	-
812-2500-12-TSS	20.63	63,50	3,05	-
812-2500-12-TSC	20.63	63,50	3,05	-
812-2500-14-51C	20.63	52,07	3,56	95
812-2500-15-TSC	20.63	52,07	3,81	-
827-2050-12-51C	21	52,07	3,05	73
827-2050-12-93C	21	52,07	3,05	71
827-2050-15-93C	21	52,07	3,81	81
827-2050-15-94C	21	52,07	3,81	81
827-2050-18-51C	21	52,07	4,57	95
827-2050-21-93C	21	52,07	5,33	106
827-2250-13-93C	21	57,15	3,30	82
827-2250-15-51C	21	57,15	3,81	91
827-2250-15-51S	21	57,15	3,81	91
827-2250-15-93C	21	57,15	3,81	90
827-2250-15-T8C	21	57,15	3,81	-
827-2250-21-93C	21	57,15	5,33	116
827-2350-15-51C	21	59,69	3,81	95
827-2500-15-51C	21	63,50	3,81	101

PISTON PINS

JE Pistons Pin Chart

PART NUMBER	DIAMETER	LENGTH	WALL THICKNESS	GRAM
827-2500-17-93C	21	63,50	4,32	113
827-2500-17-93S	21	63,50	4,32	113
827-2500-21-93C	21	63,50	5,33	-
827-2850-13-PTS	21	72,39	3,30	98
866-1850-15-52C	22	46,99	3,81	-
866-2000-17-72S	22	50,80	4,32	-
866-2000-17-94C	22	50,80	4,32	95
866-2000-17-98C	22	50,80	4,32	-
866-2000-18-34C	22	50,80	4,57	102
866-2050-12-51C	22	52,07	3,05	74
866-2050-12-TSC	22	52,07	3,05	-
866-2050-15-51C	22	52,07	3,81	89
866-2050-15-52C	22	52,07	3,81	89
866-2050-15-93C	22	52,07	3,81	89
866-2050-15-PSC	22	63,50	3,81	-
866-2050-18-51C	22	52,07	4,57	103
866-2050-21-93C	22	63,50	5,33	-
866-2050-23-93C	22	63,50	5,84	-
866-2250-12-52C	22	57,15	3,05	81
866-2250-15-51C	22	57,15	3,81	98
866-2250-15-93C	22	57,15	3,81	97
866-2250-15-94C	22	57,15	3,81	96
866-2250-15-98C	22	57,15	3,81	97
866-2250-17-52C	22	57,15	4,32	106
866-2250-17-94C	22	57,15	4,32	106
866-2250-18-51C	22	57,15	4,57	-
866-2250-23-93C	22	57,15	5,84	132
866-2350-15-51C	22	59,69	3,81	103
866-2350-17-93C	22	59,69	4,32	112
866-2500-10-TSC	22	63,50	2,54	H13
866-2500-12-52C	22	63,50	3,05	90
866-2500-12-52S	22	63,50	3,05	90
866-2500-15-51C	22	63,50	3,81	109
866-2500-15-51S	22	63,50	3,81	109
866-2500-15-52S	22	63,50	3,81	110
866-2500-15-93C	22	63,50	3,81	108
866-2500-15-93S	22	63,50	3,81	110
866-2500-15-95C	22	63,50	3,81	100
866-2500-15-98C	22	63,50	3,81	-
866-2500-17-93C	22	63,50	4,32	119
866-2500-17-93S	22	63,50	4,32	119
866-2500-18-51C	22	63,50	4,57	125
866-2500-21-93C	22	63,50	5,33	138
866-2750-15-51C	22	69,85	3,81	121
866-2750-15-51S	22	69,85	3,81	121
866-2750-20-TSC	22	69,85	5,08	-
866-2850-15-51C	22	72,39	3,81	125
867-2500-18-98C	22	63,50	4,57	-
868-2250-15-PSC	22	57,15	3,81	99
875-2500-12-TSC	22,2	63,50	3,05	-
875-2500-12-52S	22,2	63,50	3,05	90
875-2500-15-51S	22,2	63,50	3,81	113
875-2500-16-PTC	22,2	63,50	4,06	109
875-2850-15-51S	22,2	72,39	3,81	129
886-2250-18-51C	22,5	57,15	4,57	-
886-2250-22-93C	22,5	57,15	5,59	-
905-2050-15-51C	23	52,07	3,81	97
905-2050-15-52C	23	52,07	3,81	91
905-2050-18-51C	23	52,07	4,57	106
905-2050-21-93C	23	52,07	5,33	120
905-2250-15-51C	23	57,15	3,81	106
905-2250-15-52C	23	57,15	3,81	99
905-2250-18-51C	23	57,15	4,57	117
905-2250-18-51S	23	57,15	4,57	117
905-2250-18-93C	23	57,15	4,57	118
905-2250-18-93S	23	57,15	4,57	118

PART NUMBER	DIAMETER	LENGTH	WALL THICKNESS	GRAM
905-2250-21-93C	23	57,15	5,33	132
905-2250-21-93S	23	57,15	5,33	132
905-2250-21-94S	23	57,15	5,33	-
905-2350-15-51C	23	59,69	3,81	111
905-2500-15-51C	23	63,50	3,81	118
905-2500-15-51S	23	63,50	3,81	118
905-2500-15-52C	23	63,50	3,81	112
905-2500-18-93C	23	63,50	4,57	130
905-2500-18-93S	23	63,50	4,57	130
905-2500-21-93C	23	63,50	5,33	147
912-2250-14-51C	23,2	57,15	3,56	99
912-2500-12-52S	23,2	63,50	3,05	97
912-2500-14-51S	23,2	63,50	3,56	111
912-2500-14-PTS	23,2	63,50	3,56	98
912-2750-12-52S	23,2	69,85	3,05	108
912-2750-14-51S	23,2	69,85	3,56	123
912-2750-15-52S	23,2	69,85	3,81	127
922-2250-15-51S	23,4	57,15	3,81	-
922-2750-15-51S	23,4	69,85	3,81	-
927-2000-13-51C	23,5	50,80	3,30	82
927-2000-15-93C	23,5	50,80	3,81	90
927-2000-18-94C	23,5	50,80	4,57	107
927-2250-15-51C	23,5	57,15	3,81	106
927-2250-15-93C	23,5	57,15	3,81	102
927-2250-15-94C	23,5	57,15	3,81	104
927-2250-15-98C	23,5	57,15	3,81	105
927-2250-17-51C	23,5	57,15	4,32	116
927-2250-17-TSC	23,5	57,15	4,32	-
927-2250-17-94C	23,5	57,15	4,32	116
927-2250-18-93C	23,5	57,15	4,57	123
927-2250-18-PSC	23,5	57,15	4,57	-
927-2250-20-93C	23,5	57,15	5,08	131
927-2350-13-93C	23,5	59,69	3,30	100
927-2350-15-51C	23,5	59,69	3,81	111
927-2400-13-51C	23,5	60,96	3,30	103
927-2500-12-95S	23,5	63,50	3,05	92
927-2500-13-51S	23,5	63,50	3,30	108
927-2500-13-52C	23,5	63,50	3,30	104
927-2500-13-93S	23,5	63,50	3,30	106
927-2500-15-51C	23,5	63,50	3,81	118
927-2500-15-51S	23,5	63,50	3,81	118
927-2500-15-52C	23,5	63,50	3,81	116
927-2500-15-93C	23,5	63,50	3,81	113
927-2500-15-93S	23,5	63,50	3,81	114
927-2500-15-94C	23,5	63,50	3,81	117
927-2500-15-95C	23,5	63,50	3,81	110
927-2500-15-95S	23,5	63,50	3,81	110
927-2500-15-98C	23,5	63,50	3,81	-
927-2500-17-93C	23,5	63,50	4,32	126
927-2750-12-95S	23,5	69,85	3,05	99
927-2750-13-93C	23,5	69,85	3,30	115
927-2750-13-93S	23,5	69,85	3,30	117
927-2750-15-51C	23,5	69,85	3,81	130
927-2750-15-51S	23,5	69,85	3,81	130
927-2750-15-52C	23,5	69,85	3,81	128
927-2750-15-52S	23,5	69,85	3,81	128
927-2750-15-93C	23,5	69,85	3,81	125
927-2750-15-93S	23,5	69,85	3,81	126
927-2750-15-94C	23,5	69,85	3,81	127
927-2750-15-98C	23,5	69,85	3,81	-
927-2750-17-93C	23,5	69,85	4,32	139
927-2750-17-93S	23,5	69,85	4,32	139
927-2750-17-94C	23,5	69,85	4,32	141
927-2750-18-52C	23,5	69,85	4,57	150
927-2750-18-52S	23,5	69,85	4,57	150
927-2750-18-95C	23,5	69,85	4,57	140

PISTON PINS

JE Pistons Pin Chart

PART NUMBER	DIAMETER	LENGTH	WALL THICKNESS	GRAM
927-2750-18-95S	23,5	69,85	4,57	139
927-2750-20-93C	23,5	69,85	5,08	-
927-2750-20-TSS	23,5	69,85	5,08	-
927-2850-15-51S	23,5	72,39	3,81	134
927-2950-15-51C	23,5	74,93	3,81	140
927-2950-15-51S	23,5	74,93	3,81	139
927-2950-15-52C	23,5	74,93	3,81	136
927-2950-15-72C	23,5	74,93	3,81	-
927-2950-15-93C	23,5	74,93	3,81	134
927-2950-15-93S	23,5	74,93	3,81	135
927-2950-17-93C	23,5	74,93	4,32	148
927-2950-17-93S	23,5	74,93	4,32	150
927-2950-17-94C	23,5	74,93	4,32	-
927-2950-18-52S	23,5	74,93	4,57	-
927-2950-18-93S	23,5	74,93	4,57	162
927-2950-18-95S	23,5	74,93	4,57	151
927-2950-20-93C	23,5	74,93	5,08	172
927-2950-20-93S	23,5	74,93	5,08	172
928-2350-15-51C	23,6	59,69	3,81	112
928-2500-13-52S	23,6	63,50	3,30	106
928-2500-15-51C	23,6	63,50	3,81	118
928-2500-15-51S	23,6	63,50	3,81	118
928-2500-15-52C	23,6	63,50	3,81	117
928-2500-15-52S	23,6	63,50	3,81	118
928-2750-13-52S	23,6	63,50	3,30	115
928-2750-15-51S	23,6	69,85	3,81	131
928-2750-15-93C	23,6	69,85	3,81	125
928-2750-15-93S	23,6	69,85	3,81	125
928-2750-15-94C	23,6	69,85	3,81	129
928-2750-15-98C	23,6	69,85	3,81	-
928-2750-17-93S	23,6	69,85	4,32	-
928-2950-13-72C	23,6	74,93	3,30	123
928-2950-13-72S	23,6	74,93	3,30	123
928-2950-15-51C	23,6	74,93	3,81	140
928-2950-15-51S	23,6	74,93	3,81	140
928-2950-15-93C	23,6	74,93	3,81	136
928-2950-17-93C	23,6	74,93	4,32	154
929-2500-11-52S	23,6	63,50	2,79	95
929-2500-13-52S	23,6	63,50	3,30	107
929-2500-15-93S	23,6	63,50	3,81	114
929-2750-13-52S	23,6	69,85	3,30	116
929-2750-17-93C	23,6	69,85	4,32	-
929-2950-15-93C	23,6	74,93	3,81	139
929-2950-15-93S	23,6	74,93	3,81	135
929-2950-17-93S	23,6	74,93	4,32	-
930-2500-13-52S	23,6	63,50	3,30	106
930-2500-15-52C	23,6	63,50	3,81	-
930-2500-15-93S	23,6	63,50	3,81	-
930-2750-15-51S	23,6	69,85	3,81	132
930-2950-15-52S	23,6	74,93	3,81	139
930-2950-15-93C	23,6	74,93	3,81	136
930-2950-17-93C	23,6	74,93	4,32	155
931-2950-15-52S	23,6	74,93	3,81	-
931-2950-17-93C	23,6	74,93	4,32	-
940-2500-16-51C	23,9	63,50	4,06	-
940-2500-16-51S	23,9	63,50	4,06	125
940-2750-16-51S	23,9	69,85	4,06	137
945-2250-15-51C	24	57,15	3,81	105
945-2250-15-5DC	24	57,15	3,81	-
945-2500-14-51C	24	63,50	3,56	116
945-2500-14-51S	24	63,50	3,56	117
945-2500-14-52C	24	63,50	3,56	116
945-2500-18-52C	24	63,50	4,57	138
945-2750-14-51S	24	69,85	3,56	128
945-2850-14-51C	24	72,39	3,56	132
975-2750-16-51S	24,8	69,85	4,06	144

PART NUMBER	DIAMETER	LENGTH	WALL THICKNESS	GRAM
975-2930-16-51S	24,8	74,42	4,06	154
980-2750-15-51S	24,9	69,85	3,81	135
980-2930-16-51S	24,9	74,42	4,06	156
984-2500-15-51C	25	63,50	3,81	125
984-2500-15-51S	25	63,50	3,81	-
984-2750-15-51S	25	69,85	3,81	138
984-2930-16-51S	25	74,42	4,06	158
990-2500-15-TSC	25,1	63,50	3,81	-
990-2500-18-51C	25,1	63,50	4,57	-
990-2500-20-93C	25,1	63,50	5,08	-
990-2500-23-93C	25,1	63,50	5,84	-
990-2750-13-52S	25,1	69,85	3,30	125
990-2750-15-51S	25,1	69,85	3,81	141
990-2750-18-51S	25,1	69,85	4,57	164
990-2800-20-93C	25,1	71,12	5,08	-
990-2930-13-52S	25,1	74,42	3,30	133
990-2930-15-51C	25,1	74,42	3,81	150
990-2930-15-52C	25,1	74,42	3,81	146
990-2930-15-52S	25,1	74,42	3,81	144
990-2930-15-95S	25,1	74,42	3,81	139
990-2930-15-CPC	25,1	74,42	3,81	-
990-2930-18-51C	25,1	74,42	4,57	-
990-2930-18-51S	25,1	74,42	4,57	174
990-2930-18-52C	25,1	74,42	4,57	172
990-2930-18-52S	25,1	74,42	4,57	172
990-2930-18-93C	25,1	74,42	4,57	173
990-2930-18-93S	25,1	74,42	4,57	173
990-2930-18-94C	25,1	74,42	4,57	-
990-2930-18-95C	25,1	74,42	4,57	161
990-2930-18-95S	25,1	74,42	4,57	164
990-2930-18-PTC	25,1	74,42	4,57	-
990-2930-20-52C	25,1	74,42	5,08	186
990-2930-20-52S	25,1	74,42	5,08	186
990-2930-20-93C	25,1	74,42	5,08	-
990-2930-20-93S	25,1	74,42	5,08	190
990-2930-20-94C	25,1	74,42	5,08	-
990-2930-20-PSS	25,1	74,42	5,08	-
990-2930-24-93S	25,1	74,42	6,10	215
991-2930-15-52S	25,2	74,42	3,30	144
991-2930-18-52S	25,2	74,42	4,57	172
991-2930-20-52S	25,2	74,42	5,08	184
992-2930-15-51S	25,2	74,42	3,81	151
992-2930-15-52S	25,2	74,42	3,81	146
992-2930-18-51S	25,2	74,42	4,57	175
992-2930-18-52S	25,2	74,42	4,57	173
993-2930-18-51S	25,2	74,42	4,57	176
993-2930-18-52S	25,2	74,42	4,57	174
000-2750-16-51C	25,4	69,85	4,06	-
000-2750-16-51S	25,4	69,85	4,06	146
000-2930-16-51S	25,4	74,42	4,06	156
024-2250-14-51S	26	57,15	3,56	113
024-2500-20-51S	26,1	63,50	5,08	-
024-2950-18-TSS	26,1	74,93	4,57	-
031-2750-15-51S	26,2	69,85	3,81	151
031-2925-20-TSS	26,2	74,30	5,08	-
031-2930-17-51S	26,2	74,42	4,32	175
040-2930-18-51S	26,4	74,42	4,57	180
094-2930-13-52S	27,8	74,42	3,30	147
094-2930-15-51S	27,8	74,42	3,81	170
094-2930-15-52S	27,8	74,42	3,81	166
094-2930-19-51S	27,8	74,42	4,83	201
094-2930-22-52S	27,8	74,42	5,59	-
094-3000-22-52S	27,8	76,20	5,59	230
094-3125-19-51S	27,8	79,38	4,83	214
094-3125-25-TSS	27,8	79,38	6,35	-
094-3250-29-CTS	27,8	82,55	7,37	294

▲TOP

PISTON PINS

Trend Pin Chart

Part #	OD	Length (MM)	Wall Thickness (MM)	Gram Wt.	Series	Coated	Note
CA78751772197CD	20,00	45,00	5,00	82,00	TP-1 SERIES	DLC Coated Pin	Chamfered
CA78741772197CD	20,00	45,00	5,56	82,00	TP-1 SERIES	DLC Coated Pin	Chamfered
CA78741800180CD	20,00	45,72	4,57	79,00	TP-1 SERIES	DLC Coated Pin	Chamfered
CA8272125310C	20,00	53,98	7,87	136,00	TP-1 SERIES	-	Chamfered
CA8272125310CD	20,00	53,98	7,87	136,00	TP-1 SERIES	DLC Coated Pin	Chamfered
G7872250155	20,00	57,15	3,94	88,00	G SERIES	-	-
G7872250155C	20,00	57,15	3,94	88,00	G SERIES	-	Chamfered
H7872250155	20,00	57,15	3,94	88,00	H SERIES	-	-
H7872250155C	20,00	57,15	3,94	88,00	H SERIES	-	Chamfered
H7872250155CD	20,00	57,15	3,94	88,00	H SERIES	DLC Coated Pin	Chamfered
CA7872250220	20,00	57,15	5,59	138,00	TP-1 SERIES	-	-
CA7872250220D	20,00	57,15	5,59	138,00	TP-1 SERIES	DLC Coated Pin	-
G8272500155	20,00	63,50	3,94	104,00	G SERIES	-	-
G8272500155C	20,00	63,50	3,94	104,00	G SERIES	-	Chamfered
H8272500155	20,00	63,50	3,94	104,00	H SERIES	-	-
H8272500155C	20,00	63,50	3,94	104,00	H SERIES	-	Chamfered
H8272500155CD	20,00	63,50	3,94	104,00	H SERIES	DLC Coated Pin	Chamfered
H8272500155D	20,00	63,50	3,94	104,00	H SERIES	DLC Coated Pin	-
CA78752500197CD	20,00	63,50	5,00	116,00	TP-1 SERIES	DLC Coated Pin	Chamfered
CA8272500310CD	20,00	63,50	7,87	160,00	TP-1 SERIES	DLC Coated Pin	Chamfered
CA8252125325C	20,96	53,98	8,26	138,70	TP-1 SERIES	-	Chamfered
CA8252125325CD	20,96	53,98	8,26	138,70	TP-1 SERIES	DLC Coated Pin	Chamfered
CA7081800120CD	21,00	53,98	3,05	50,50	TP-1 SERIES	DLC Coated Pin	Chamfered
CA7081810120	22,00	53,98	3,05	51,50	TP-1 SERIES	-	-
CA7081810120C	22,00	53,98	3,05	51,00	TP-1 SERIES	-	Chamfered
CA7081810120CD	22,00	53,98	3,05	51,00	TP-1 SERIES	DLC Coated Pin	Chamfered
CA8662125270CD	22,00	53,98	6,86	136,00	TP-1 SERIES	DLC Coated Pin	Chamfered
CA8662125270D	22,00	53,98	6,86	136,00	TP-1 SERIES	DLC Coated Pin	-
CA8662125275CD	22,00	53,98	6,99	137,80	TP-1 SERIES	DLC Coated Pin	Chamfered
CA8662250245	22,00	57,15	6,22	137,00	TP-1 SERIES	-	-
CA8662250250C	22,00	57,15	6,35	139,60	TP-1 SERIES	-	Chamfered
CA8662250250CD	22,00	57,15	6,35	139,60	TP-1 SERIES	DLC Coated Pin	Chamfered
G8662500155	22,00	63,50	3,94	111,00	G SERIES	-	-
G8662500155C	22,00	63,50	3,94	111,00	G SERIES	-	Chamfered
H8662500155	22,00	63,50	3,94	111,00	H SERIES	-	-
H8662500155C	22,00	63,50	3,94	109,00	H SERIES	-	Chamfered
H8662500155CD	22,00	63,50	3,94	109,00	H SERIES	DLC Coated Pin	Chamfered
H8662500155D	22,00	63,50	3,94	109,00	H SERIES	DLC Coated Pin	Chamfered
CA8662500210C	22,00	63,50	5,33	137,00	TP-1 SERIES	-	Chamfered
CA8662500210	22,00	63,50	5,33	137,40	TP-1 SERIES	-	-
CA8662500210CD	22,00	63,50	5,33	137,00	TP-1 SERIES	DLC Coated Pin	Chamfered
CA8662500210D	22,00	63,50	5,33	137,40	TP-1 SERIES	DLC Coated Pin	-
H8662500220	22,00	63,50	5,59	143,00	H SERIES	-	-
H8662500220C	22,00	63,50	5,59	143,00	H SERIES	-	Chamfered
H8662500220CD	22,00	63,50	5,59	143,00	H SERIES	DLC Coated Pin	Chamfered
H8662500220D	22,00	63,50	5,59	143,00	H SERIES	DLC Coated Pin	-
CA8672125270CD	22,02	53,98	6,86	136,80	TP-1 SERIES	DLC Coated Pin	Chamfered
CA8672125270D	22,02	53,98	6,86	136,80	TP-1 SERIES	DLC Coated Pin	-
CA8672250245CD	22,02	57,15	6,22	137,60	TP-1 SERIES	DLC Coated Pin	Chamfered
CA8682125270	22,05	53,98	6,86	138,00	TP-1 SERIES	-	-
CA8682125270CD	22,05	53,98	6,86	137,10	TP-1 SERIES	DLC Coated Pin	Chamfered
CA8682250250CD	22,05	57,15	6,35	139,60	TP-1 SERIES	DLC Coated Pin	Chamfered
CA78718898155C	22,07	53,98	3,94	74,70	TP-1 SERIES	-	Chamfered
CA78718898165C	22,07	53,98	4,19	78,20	TP-1 SERIES	-	Chamfered
CA8692125270CD	22,07	53,98	6,86	137,20	TP-1 SERIES	DLC Coated Pin	Chamfered
CA8702125270CD	22,10	53,98	6,86	137,30	TP-1 SERIES	DLC Coated Pin	Chamfered
CA8712125270CD	22,12	53,98	6,86	137,60	TP-1 SERIES	DLC Coated Pin	Chamfered
G8752500155	22,23	63,50	3,94	112,00	G SERIES	-	-
G8752500155C	22,23	63,50	3,94	112,00	G SERIES	-	Chamfered
G9052500155	23.00	63,50	3,94	117,00	G SERIES	-	-
G9062500155	23,01	63,50	3,94	118,00	G SERIES	-	-
G9122500155	23,16	63,50	3,94	118,00	G SERIES	-	-
H9122750145	23,16	69,85	3,68	122,00	H SERIES	-	-
H9122750145C	23,16	69,85	3,68	122,00	H SERIES	-	Chamfered
G9122750155	23,16	69,85	3,94	128,00	G SERIES	-	-

PISTON PINS



Trend Pin Chart

Part #	OD	Length (MM)	Wall Thickness (MM)	Gram Wt.	Series	Coated	Note
G9122950155	23,16	74,93	3,94	138,00	G SERIES	-	-
G9252250155C	23,50	57,15	3,94	131,00	G SERIES	-	Chamfered
CA9252425195CD	23,50	61,60	4,95	137,80	TP-1 SERIES	DLC Coated Pin	Chamfered
CA9262125235C	23,52	53,98	5,97	143,00	TP-1 SERIES	-	Chamfered
CA9262125235CD	23,52	53,98	5,97	137,00	TP-1 SERIES	DLC Coated Pin	Chamfered
CA9262425185C	23,52	61,60	4,70	137,00	TP-1 SERIES	-	Chamfered
CA9262425185CD	23,52	61,60	4,70	132,50	TP-1 SERIES	DLC Coated Pin	Chamfered
CA9262425190CD	23,52	61,60	4,83	135,50	TP-1 SERIES	DLC Coated Pin	Chamfered
CA9262425195CD	23,52	61,60	4,95	136,00	TP-1 SERIES	DLC Coated Pin	Chamfered
CA9272125235C	23,55	53,98	5,97	137,20	TP-1 SERIES	-	Chamfered
CA9272125235CD	23,55	53,98	5,97	137,20	TP-1 SERIES	DLC Coated Pin	Chamfered
H9272200145	23,55	55,88	3,68	101,00	H SERIES	-	-
H9272200145C	23,55	55,88	3,68	101,00	H SERIES	-	Chamfered
G9272200155	23,55	55,88	3,94	106,00	G SERIES	-	-
G9272200155C	23,55	55,88	3,94	106,00	G SERIES	-	Chamfered
H9272200155	23,55	55,88	3,94	106,00	H SERIES	-	-
H9272200155CD	23,55	55,88	3,94	106,00	H SERIES	DLC Coated Pin	Chamfered
H9272200165	23,55	55,88	4,19	112,00	H SERIES	-	-
H9272200165C	23,55	55,88	4,19	112,00	H SERIES	-	Chamfered
H9272200165CD	23,55	55,88	4,19	112,00	H SERIES	DLC Coated Pin	Chamfered
H9272200185	23,55	55,88	4,70	122,00	H SERIES	-	-
H9272200185C	23,55	55,88	4,70	122,00	H SERIES	-	Chamfered
H9272200185CD	23,55	55,88	4,70	122,00	H SERIES	DLC Coated Pin	Chamfered
H9272200185D	23,55	55,88	4,70	122,00	H SERIES	DLC Coated Pin	
G9272250155C	23,55	57,15	3,94	131,00	G SERIES	-	Chamfered
H9272250165	23,55	57,15	4,19	114,00	H SERIES	-	-
H9272250165C	23,55	57,15	4,19	114,00	H SERIES	-	Chamfered
H9272250165CD	23,55	57,15	4,19	114,00	H SERIES	DLC Coated Pin	Chamfered
CA9272250215C	23,55	57,15	5,46	137,50	TP-1 SERIES	-	Chamfered
CA9272250215CD	23,55	57,15	5,46	137,50	TP-1 SERIES	DLC Coated Pin	Chamfered
M9272250220	23,55	57,15	5,59	144,00	M SERIES	-	-
M9272250220CD	23,55	57,15	5,59	144,00	M SERIES	DLC Coated Pin	Chamfered
CA9272250300CD	23,55	57,15	7,62	168,30	TP-1 SERIES	DLC Coated Pin	Chamfered
CA9272300215CD	23,55	58,42	5,46	141,00	TP-1 SERIES	DLC Coated Pin	Chamfered
G9272400125	23,55	60,96	3,18	97,00	G SERIES	-	-
G9272400125C	23,55	60,96	3,18	97,00	G SERIES	-	Chamfered
G9272400155	23,55	60,96	3,94	115,00	G SERIES	-	-
G9272400155C	23,55	60,96	3,94	115,00	G SERIES	-	Chamfered
G9272500125	23,55	63,50	3,18	100,00	G SERIES	-	-
G9272500125C	23,55	63,50	3,18	100,00	G SERIES	-	Chamfered
H9272500125	23,55	63,50	3,18	100,00	H SERIES	-	-
H9272500125C	23,55	63,50	3,18	100,00	H SERIES	-	Chamfered
H9272500125D	23,55	63,50	3,18	100,00	H SERIES	DLC Coated Pin	-
H9272500135	23,55	63,50	3,43	106,00	H SERIES	-	-
H9272500135C	23,55	63,50	3,43	106,00	H SERIES	-	Chamfered
H9272500135CD	23,55	63,50	3,43	106,00	H SERIES	DLC Coated Pin	Chamfered
H9272500145	23,55	63,50	3,68	113,00	H SERIES	-	-
H9272500145C	23,55	63,50	3,68	113,00	H SERIES	-	Chamfered
H9272500145CD	23,55	63,50	3,68	113,00	H SERIES	DLC Coated Pin	Chamfered
H9272500145D	23,55	63,50	3,68	113,00	H SERIES	DLC Coated Pin	-
G9272500155	23,55	63,50	3,94	120,00	G SERIES	-	-
G9272500155C	23,55	63,50	3,94	120,00	G SERIES	-	Chamfered
H9272500155	23,55	63,50	3,94	118,00	H SERIES	-	-
H9272500155C	23,55	63,50	3,94	118,00	H SERIES	-	Chamfered
H9272500155CD	23,55	63,50	3,94	118,00	H SERIES	DLC Coated Pin	Chamfered
H9272500155D	23,55	63,50	3,94	118,00	H SERIES	DLC Coated Pin	-
H9272500165	23,55	63,50	4,19	124,00	H SERIES	-	-
H9272500165C	23,55	63,50	4,19	124,00	H SERIES	-	Chamfered
H9272500165CD	23,55	63,50	4,19	124,00	H SERIES	DLC Coated Pin	Chamfered
H9272500165D	23,55	63,50	4,19	124,00	H SERIES	DLC Coated Pin	-
H9272500175	23,55	63,50	4,45	130,00	H SERIES	-	-
H9272500175C	23,55	63,50	4,45	130,00	H SERIES	-	Chamfered
H9272500175D	23,55	63,50	4,45	130,00	H SERIES	DLC Coated Pin	-
M9272500180	23,55	63,50	4,57	138,00	M SERIES	-	-
M9272500180C	23,55	63,50	4,57	138,00	M SERIES	-	Chamfered

▲TOP

PISTON PINS



Trend Pin Chart

Part #	OD	Length (MM)	Wall Thickness (MM)	Gram Wt.	Series	Coated	Note
M9272500180CD	23,55	63,50	4,57	138,00	M SERIES	DLC Coated Pin	Chamfered
G9272500185	23,55	63,50	4,70	139,00	G SERIES	-	-
G9272500185C	23,55	63,50	4,70	139,00	G SERIES	-	Chamfered
H9272500185	23,55	63,50	4,70	136,00	H SERIES	-	-
H9272500185C	23,55	63,50	4,70	136,00	H SERIES	-	Chamfered
H9272500185CD	23,55	63,50	4,70	136,00	H SERIES	DLC Coated Pin	Chamfered
H9272500185D	23,55	63,50	4,70	136,00	H SERIES	DLC Coated Pin	-
H9272500195	23,55	63,50	4,95	142,00	H SERIES	-	-
H9272500195C	23,55	63,50	4,95	142,00	H SERIES	-	Chamfered
H9272500205	23,55	63,50	5,21	147,00	H SERIES	-	-
H9272500205D	23,55	63,50	5,21	147,00	H SERIES	DLC Coated Pin	-
CA9272500215	23,55	63,50	5,46	153,00	TP-1 SERIES	-	-
CA9272500225	23,55	63,50	5,72	159,00	TP-1 SERIES	-	-
CA9272500225C	23,55	63,50	5,72	163,00	TP-1 SERIES	-	Chamfered
H9272500225	23,55	63,50	5,72	156,00	H SERIES	-	-
H9272500225C	23,55	63,50	5,72	156,00	H SERIES	-	Chamfered
H9272500225CD	23,55	63,50	5,72	156,00	H SERIES	DLC Coated Pin	Chamfered
H9272500225D	23,55	63,50	5,72	156,00	H SERIES	DLC Coated Pin	-
H9272750125	23,55	69,85	3,18	110,00	H SERIES	-	-
H9272750125C	23,55	69,85	3,18	110,00	H SERIES	-	Chamfered
H9272750135	23,55	69,85	3,43	117,00	H SERIES	-	-
H9272750135C	23,55	69,85	3,43	117,00	H SERIES	-	Chamfered
H9272750145	23,55	69,85	3,68	124,00	H SERIES	-	-
H9272750145C	23,55	69,85	3,68	124,00	H SERIES	-	Chamfered
H9272750145CD	23,55	69,85	3,68	124,00	H SERIES	DLC Coated Pin	Chamfered
H9272750145D	23,55	69,85	3,68	124,00	H SERIES	DLC Coated Pin	-
G9272750155	23,55	69,85	3,94	132,00	G SERIES	-	-
G9272750155C	23,55	69,85	3,94	132,00	G SERIES	-	Chamfered
H9272750155	23,55	69,85	3,94	131,00	H SERIES	-	-
H9272750155C	23,55	69,85	3,94	131,00	H SERIES	-	Chamfered
H9272750155CD	23,55	69,85	3,94	132,00	H SERIES	DLC Coated Pin	Chamfered
H9272750155D	23,55	69,85	3,94	131,00	H SERIES	DLC Coated Pin	-
H9272750165	23,55	69,85	4,19	138,00	H SERIES	-	-
H9272750165C	23,55	69,85	4,19	138,00	H SERIES	-	Chamfered
H9272750165CD	23,55	69,85	4,19	138,00	H SERIES	DLC Coated Pin	Chamfered
H9272750165D	23,55	69,85	4,19	138,00	H SERIES	DLC Coated Pin	-
H9272750175	23,55	69,85	4,45	144,00	H SERIES	-	-
H9272750175C	23,55	69,85	4,45	144,00	H SERIES	-	Chamfered
H9272750175CD	23,55	69,85	4,45	144,00	H SERIES	DLC Coated Pin	Chamfered
H9272750175D	23,55	69,85	4,45	144,00	H SERIES	DLC Coated Pin	-
CA9272750185CD	23,55	69,85	4,70	151,00	TP-1 SERIES	DLC Coated Pin	Chamfered
G9272750185	23,55	69,85	4,70	151,00	G SERIES	-	-
G9272750185C	23,55	69,85	4,70	151,00	G SERIES	-	Chamfered
H9272750185	23,55	69,85	4,70	150,00	H SERIES	-	-
H9272750185C	23,55	69,85	4,70	150,00	H SERIES	-	Chamfered
H9272750185CD	23,55	69,85	4,70	151,00	H SERIES	DLC Coated Pin	Chamfered
H9272750185D	23,55	69,85	4,70	150,00	H SERIES	DLC Coated Pin	-
H9272750195	23,55	69,85	4,95	156,00	H SERIES	-	-
H9272750195C	23,55	69,85	4,95	156,00	H SERIES	-	Chamfered
H9272750195CD	23,55	69,85	4,95	156,00	H SERIES	DLC Coated Pin	Chamfered
H9272750205	23,55	69,85	5,21	162,00	H SERIES	-	-
H9272750205C	23,55	69,85	5,21	162,00	H SERIES	-	-
H9272750205CD	23,55	69,85	5,21	162,00	H SERIES	DLC Coated Pin	Chamfered
H9272750205D	23,55	69,85	5,21	162,00	H SERIES	DLC Coated Pin	-
H9272750215	23,55	69,85	5,46	168,00	H SERIES	-	-
H9272750215C	23,55	69,85	5,46	168,00	H SERIES	-	Chamfered
H9272750215D	23,55	69,85	5,46	168,00	H SERIES	DLC Coated Pin	-
H9272750225	23,55	69,85	5,72	174,00	H SERIES	-	-
H9272750225C	23,55	69,85	5,72	174,00	H SERIES	-	Chamfered
H9272750225CD	23,55	69,85	5,72	174,00	H SERIES	DLC Coated Pin	Chamfered
H9272950145	23,55	74,93	3,68	133,00	H SERIES	-	-
H9272950145C	23,55	74,93	3,68	133,00	H SERIES	-	Chamfered
H9272950145D	23,55	74,93	3,68	133,00	H SERIES	DLC Coated Pin	-
G9272950155	23,55	74,93	3,94	141,00	G SERIES	-	-
G9272950155C	23,55	74,93	3,94	141,00	G SERIES	-	Chamfered

PISTON PINS

Trend Pin Chart

Part #	OD	Length (MM)	Wall Thickness (MM)	Gram Wt.	Series	Coated	Note
H9272950155	23,55	74,93	3,94	139,00	H SERIES	-	-
H9272950155C	23,55	74,93	3,94	139,00	H SERIES	-	Chamfered
H9272950155D	23,55	74,93	3,94	139,00	H SERIES	DLC Coated Pin	-
H9272950165	23,55	74,93	4,19	148,00	H SERIES	-	-
H9272950165C	23,55	74,93	4,19	148,00	H SERIES	-	Chamfered
H9272950165CD	23,55	74,93	4,19	148,00	H SERIES	DLC Coated Pin	Chamfered
H9272950165D	23,55	74,93	4,19	148,00	H SERIES	DLC Coated Pin	-
H9272950175	23,55	74,93	4,45	155,00	H SERIES	-	-
H9272950175C	23,55	74,93	4,45	155,00	H SERIES	-	Chamfered
H9272950175D	23,55	74,93	4,45	155,00	H SERIES	DLC Coated Pin	-
G9272950185	23,55	74,93	4,70	162,00	G SERIES	-	-
H9272950185	23,55	74,93	4,70	161,00	H SERIES	-	-
H9272950185C	23,55	74,93	4,70	161,00	H SERIES	-	Chamfered
H9272950185CD	23,55	74,93	4,70	161,00	H SERIES	DLC Coated Pin	Chamfered
H9272950185D	23,55	74,93	4,70	161,00	H SERIES	DLC Coated Pin	-
CA9272950200	23,55	74,93	5,08	172,80	TP-1 SERIES	-	-
CA9272950200D	23,55	74,93	5,08	172,80	TP-1 SERIES	DLC Coated Pin	-
H9272950205	23,55	74,93	5,21	174,00	H SERIES	-	-
H9272950205C	23,55	74,93	5,21	174,00	H SERIES	-	Chamfered
H9272950205D	23,55	74,93	5,21	174,00	H SERIES	DLC Coated Pin	-
H9272950215	23,55	74,93	5,46	180,00	H SERIES	-	-
H9272950215C	23,55	74,93	5,46	180,00	H SERIES	-	Chamfered
H9272950225	23,55	74,93	5,72	186,00	H SERIES	-	-
H9272950225C	23,55	74,93	5,72	186,00	H SERIES	-	Chamfered
H9272950225CD	23,55	74,93	5,72	186,00	H SERIES	DLC Coated Pin	Chamfered
H9272950225D	23,55	74,93	5,72	186,00	H SERIES	-	-
CA9273100225	23,55	78,74	5,72	196,10	TP-1 SERIES	-	-
CA9273100225D	23,55	78,74	5,72	196,10	TP-1 SERIES	DLC Coated Pin	-
CA9273100250D	23,55	78,74	6,35	217,00	TP-1 SERIES	DLC Coated Pin	-
CA9282125235CD	23,57	53,98	5,97	138,00	TP-1 SERIES	DLC Coated Pin	Chamfered
CA9292425195	23,60	61,60	4,95	138,50	TP-1 SERIES	-	-
CA9292425195C	23,60	61,60	4,95	138,50	TP-1 SERIES	-	Chamfered
CA9312250215CD	23,65	57,15	5,46	137,80	TP-1 SERIES	DLC Coated Pin	Chamfered
CA9312950165	23,65	74,93	4,19	149,00	TP-1 SERIES	-	-
G9402750155	23,88	69,85	3,94	134,00	G SERIES	-	-
H9402750155	23,88	69,85	3,94	135,00	H SERIES	-	-
H9402750155D	23,88	69,85	3,94	135,00	H SERIES	DLC Coated Pin	-
G9452500155	24,00	63,50	3,94	122,00	G SERIES	-	-
G9452750155	24,00	69,85	3,94	135,00	G SERIES	-	-
G9452750155C	24,00	69,85	3,94	114,00	G SERIES	-	Chamfered
G9752930155	24,77	74,42	3,94	155,00	G SERIES	-	-
G9802750155	24,89	69,85	3,94	142,00	G SERIES	-	-
G9842750155	24,99	69,85	3,94	140,00	G SERIES	-	-
H9842750155	24,99	69,85	3,94	143,00	H SERIES	-	-
H9842750155C	24,99	69,85	3,94	143,00	H SERIES	-	Chamfered
CA9902500125CD	25,15	63,50	3,18	108,10	TP-1 SERIES	DLC Coated Pin	Chamfered
CA9902500140CD	25,15	63,50	3,56	118,10	TP-1 SERIES	DLC Coated Pin	Chamfered
H9902500165	25,15	63,50	4,19	135,00	H SERIES	-	-
H9902500165C	25,15	63,50	4,19	135,00	H SERIES	-	Chamfered
H9902500165CD	25,15	63,50	4,19	135,00	H SERIES	DLC Coated Pin	Chamfered
H9902500165D	25,15	63,50	4,19	135,00	H SERIES	DLC Coated Pin	-
H9902500175	25,15	63,50	4,45	142,00	H SERIES	-	-
H9902500175C	25,15	63,50	4,45	142,00	H SERIES	-	Chamfered
CA9902500185CD	25,15	63,50	4,70	148,20	TP-1 SERIES	DLC Coated Pin	Chamfered
H9902500185	25,15	63,50	4,70	148,00	H SERIES	-	-
H9902500185C	25,15	63,50	4,70	148,00	H SERIES	-	Chamfered
H9902500185CD	25,15	63,50	4,70	148,00	H SERIES	DLC Coated Pin	Chamfered
H9902500185D	25,15	63,50	4,70	148,00	H SERIES	DLC Coated Pin	-
H9902500195	25,15	63,50	4,95	154,00	H SERIES	-	-
H9902500195C	25,15	63,50	4,95	154,00	H SERIES	-	Chamfered
H9902500205	25,15	63,50	5,21	160,00	H SERIES	-	-
H9902500205C	25,15	63,50	5,21	160,00	H SERIES	-	Chamfered
H9902500205CD	25,15	63,50	5,21	160,00	H SERIES	DLC Coated Pin	Chamfered
H9902500205D	25,15	63,50	5,21	160,00	H SERIES	DLC Coated Pin	-
H9902750135	25,15	69,85	3,43	128,00	H SERIES	-	-

PISTON PINS

Trend Pin Chart

Part #	OD	Length (MM)	Wall Thickness (MM)	Gram Wt.	Series	Coated	Note
H9902750135C	25,15	69,85	3,43	128,00	H SERIES	-	Chamfered
CA9902750140C	25,15	69,85	3,56	130,00	TP-1 SERIES	-	Chamfered
H9902750145	25,15	69,85	3,68	136,00	H SERIES	-	-
H9902750145C	25,15	69,85	3,68	136,00	H SERIES	-	Chamfered
H9902750145D	25,15	69,85	3,68	136,00	H SERIES	DLC Coated Pin	-
H9902750155	25,15	69,85	3,94	143,00	H SERIES	-	-
H9902750155C	25,15	69,85	3,94	143,00	H SERIES	-	Chamfered
H9902750155CD	25,15	69,85	3,94	143,00	H SERIES	DLC Coated Pin	Chamfered
H9902750155D	25,15	69,85	3,94	143,00	H SERIES	DLC Coated Pin	-
H9902750165	25,15	69,85	4,19	150,00	H SERIES	-	-
H9902750165C	25,15	69,85	4,19	150,00	H SERIES	-	Chamfered
H9902750165CD	25,15	69,85	4,19	150,00	H SERIES	DLC Coated Pin	Chamfered
H9902750165D	25,15	69,85	4,19	150,00	H SERIES	DLC Coated Pin	-
CA9902750175CD	25,15	69,85	4,45	157,00	TP-1 SERIES	DLC Coated Pin	Chamfered
CA9902750185CD	25,15	69,85	4,70	163,50	TP-1 SERIES	DLC Coated Pin	Chamfered
G9902750185	25,15	69,85	4,70	162,00	G SERIES	-	-
H9902750185	25,15	69,85	4,70	164,00	H SERIES	-	-
H9902750185C	25,15	69,85	4,70	164,00	H SERIES	-	Chamfered
H9902750185CD	25,15	69,85	4,70	164,00	H SERIES	DLC Coated Pin	Chamfered
H9902750185D	25,15	69,85	4,70	164,00	H SERIES	DLC Coated Pin	-
H9902750195	25,15	69,85	4,95	170,00	H SERIES	-	-
H9902750195C	25,15	69,85	4,95	170,00	H SERIES	-	Chamfered
CA9902750200	25,15	69,85	5,08	175,20	TP-1 SERIES	-	-
CA9902750200D	25,15	69,85	5,08	175,20	TP-1 SERIES	DLC Coated Pin	-
CA9902750205T	25,15	69,85	5,21	162,60	TP-1 SERIES	-	Tapered
H9902750205	25,15	69,85	5,21	176,00	H SERIES	-	-
H9902750205C	25,15	69,85	5,21	176,00	H SERIES	-	Chamfered
H9902750205CD	25,15	69,85	5,21	176,00	H SERIES	DLC Coated Pin	Chamfered
H9902750220	25,15	69,85	5,59	186,00	H SERIES	-	-
H9902750220C	25,15	69,85	5,59	186,00	H SERIES	-	Chamfered
H9902750220CD	25,15	69,85	5,59	186,00	H SERIES	DLC Coated Pin	Chamfered
CA9902750250	25,15	69,85	6,35	203,00	TP-1 SERIES	-	-
CA9902750250D	25,15	69,85	6,35	203,00	TP-1 SERIES	DLC Coated Pin	-
H9902765160	25,15	70,23	4,06	148,00	H SERIES	-	-
H9902765160C	25,15	70,23	4,06	148,00	H SERIES	-	Chamfered
H9902765160D	25,15	70,23	4,06	148,00	H SERIES	DLC Coated Pin	-
H9902930125	25,15	74,42	3,18	126,00	H SERIES	-	-
H9902930135	25,15	74,42	3,43	136,00	H SERIES	-	-
H9902930145	25,15	74,42	3,68	144,00	H SERIES	-	-
H9902930145C	25,15	74,42	3,68	143,00	H SERIES	-	Chamfered
H9902930145D	25,15	74,42	3,68	143,00	H SERIES	DLC Coated Pin	-
G9902930155	25,15	74,42	3,94	176,00	G SERIES	-	-
G9902930155C	25,15	74,42	3,94	176,00	G SERIES	-	Chamfered
H9902930155	25,15	74,42	3,94	152,00	H SERIES	-	-
H9902930155C	25,15	74,42	3,94	152,00	H SERIES	-	Chamfered
H9902930155CD	25,15	74,42	3,94	152,00	H SERIES	DLC Coated Pin	Chamfered
H9902930155D	25,15	74,42	3,94	152,00	H SERIES	DLC Coated Pin	-
H9902930165	25,15	74,42	4,19	160,00	H SERIES	-	-
H9902930165C	25,15	74,42	4,19	160,00	H SERIES	-	Chamfered
H9902930165CD	25,15	74,42	4,19	160,00	H SERIES	DLC Coated Pin	Chamfered
H9902930165D	25,15	74,42	4,19	160,00	H SERIES	DLC Coated Pin	-
H9902930175	25,15	74,42	4,45	168,00	H SERIES	-	-
H9902930175C	25,15	74,42	4,45	168,00	H SERIES	-	Chamfered
H9902930175CD	25,15	74,42	4,45	168,00	H SERIES	DLC Coated Pin	Chamfered
H9902930175D	25,15	74,42	4,45	168,00	H SERIES	DLC Coated Pin	-
CA9902930185	25,15	74,42	4,70	175,20	TP-1 SERIES	-	-
CA9902930185CD	25,15	74,42	4,70	175,20	TP-1 SERIES	DLC Coated Pin	Chamfered
CA9902930185D	25,15	74,42	4,70	175,20	TP-1 SERIES	DLC Coated Pin	-
G9902930185	25,15	74,42	4,70	175,00	G SERIES	-	-
G9902930185C	25,15	74,42	4,70	175,00	G SERIES	-	Chamfered
H9902930185	25,15	74,42	4,70	176,00	H SERIES	-	-
H9902930185C	25,15	74,42	4,70	176,00	H SERIES	-	Chamfered
H9902930185CD	25,15	74,42	4,70	176,00	H SERIES	DLC Coated Pin	Chamfered
H9902930185D	25,15	74,42	4,70	176,00	H SERIES	DLC Coated Pin	-
H9902930195	25,15	74,42	4,95	183,00	H SERIES	-	-

PISTON PINS

Trend Pin Chart

Part #	OD	Length (MM)	Wall Thickness (MM)	Gram Wt.	Series	Coated	Note
H9902930195C	25,15	74,42	4,95	183,00	H SERIES	-	Chamfered
H9902930195CD	25,15	74,42	4,95	183,00	H SERIES	DLC Coated Pin	Chamfered
H9902930195D	25,15	74,42	4,95	183,00	H SERIES	DLC Coated Pin	-
H9902930200	25,15	74,42	5,08	187,00	H SERIES	-	-
H9902930200D	25,15	74,42	5,08	187,00	H SERIES	DLC Coated Pin	-
H9902930205	25,15	74,42	5,21	190,00	H SERIES	-	-
H9902930205C	25,15	74,42	5,21	190,00	H SERIES	-	Chamfered
H9902930205D	25,15	74,42	5,21	190,00	H SERIES	DLC Coated Pin	-
H9902930215	25,15	74,42	5,46	197,00	H SERIES	-	-
H9902930215D	25,15	74,42	5,46	197,00	H SERIES	DLC Coated Pin	-
CA9902930220	25,15	74,42	5,59	198,50	TP-1 SERIES	-	-
CA9902930220CD	25,15	74,42	5,59	198,50	TP-1 SERIES	DLC Coated Pin	-
CA9902930220D	25,15	74,42	5,59	198,50	TP-1 SERIES	DLC Coated Pin	-
H9902930220	25,15	74,42	5,59	200,00	H SERIES	-	-
H9902930220C	25,15	74,42	5,59	200,00	H SERIES	-	Chamfered
H9902930220CD	25,15	74,42	5,59	200,00	H SERIES	DLC Coated Pin	Chamfered
H9902930220D	25,15	74,42	5,59	200,00	H SERIES	DLC Coated Pin	-
H9902930225	25,15	74,42	5,72	203,00	H SERIES	-	-
H9902930225C	25,15	74,42	5,72	203,00	H SERIES	-	-
H9902930225CD	25,15	74,42	5,72	203,00	H SERIES	DLC Coated Pin	Chamfered
H9902930225D	25,15	74,42	5,72	203,00	H SERIES	DLC Coated Pin	-
CA9902950210D	25,15	74,93	5,33	194,10	TP-1 SERIES	DLC Coated Pin	-
CA9903100200D	25,15	78,74	5,08	198,00	TP-1 SERIES	DLC Coated Pin	-
CA9903100250	25,15	78,74	6,35	229,00	TP-1 SERIES	-	-
CA9903100250D	25,15	78,74	6,35	229,00	TP-1 SERIES	DLC Coated Pin	-
CA9912930220D	25,17	74,42	5,59	200,50	TP-1 SERIES	DLC Coated Pin	-
CA9922500185CD	25,20	63,50	4,70	149,20	TP-1 SERIES	DLC Coated Pin	Chamfered
CA10002500140C	25,40	63,50	3,56	120,00	TP-1 SERIES	-	Chamfered
CA10002500140CD	25,40	63,50	3,56	120,00	TP-1 SERIES	DLC Coated Pin	-
G10002930155	25,40	74,42	3,94	155,00	G SERIES	-	-
H10312740185	26,19	69,60	0,46	172,00	H SERIES	-	-
H10312740185D	26,19	69,60	4,70	172,00	H SERIES	DLC Coated Pin	-
H10312750165	26,19	69,85	0,41	157,00	H SERIES	-	-
H10312750170	26,19	69,85	0,43	162,00	H SERIES	-	-
H10312750200	26,19	69,85	0,51	184,00	H SERIES	-	-
H10312750165C	26,19	69,85	4,19	157,00	H SERIES	-	Chamfered
H10312750170D	26,19	69,85	4,32	162,00	H SERIES	DLC Coated Pin	-
CA10312750185C	26,19	69,85	4,70	172,50	TP-1 SERIES	-	Chamfered
CA10312750185CD	26,19	69,85	4,70	172,50	TP-1 SERIES	DLC Coated Pin	Chamfered
H10312750200C	26,19	69,85	5,08	184,00	H SERIES	-	Chamfered
H10312925200C	26,19	74,30	5,08	196,00	H SERIES	-	Chamfered
H10312925200	26,19	74,30	5,08	196,00	H SERIES	-	-
H10312925220C	26,19	74,30	5,59	210,00	H SERIES	-	Chamfered
H10312925220	26,19	74,30	5,59	210,00	H SERIES	-	-
G10312930155	26,19	74,42	3,94	160,00	G SERIES	-	-
G10312930155C	26,19	74,42	3,94	160,00	G SERIES	-	Chamfered
H10312930155	26,19	74,42	3,94	160,00	H SERIES	-	-
H10312930155D	26,19	74,42	3,94	160,00	H SERIES	DLC Coated Pin	-
H10312930170	26,19	74,42	4,32	172,00	H SERIES	-	-
H10312930170C	26,19	74,42	4,32	172,00	H SERIES	-	Chamfered
H10312930170D	26,19	74,42	4,32	172,00	H SERIES	DLC Coated Pin	-
H10312930180	26,19	74,42	4,57	180,00	H SERIES	-	-
H10312930180C	26,19	74,42	4,57	180,00	H SERIES	-	Chamfered
H10312930185	26,19	74,42	4,70	185,00	H SERIES	-	-
H10312930185C	26,19	74,42	4,70	185,00	H SERIES	-	Chamfered
H10312930185D	26,19	74,42	4,70	185,00	H SERIES	DLC Coated Pin	-
H10312930200	26,19	74,42	5,08	195,00	H SERIES	-	-
CA10312930215	26,19	74,42	5,46	213,20	TP-1 SERIES	-	-
CA10312930215D	26,19	74,42	5,46	213,20	TP-1 SERIES	DLC Coated Pin	-
H10312930215	26,19	74,42	5,46	207,00	H SERIES	-	-
CA10312930225	26,19	74,42	5,59	242,40	TP-1 SERIES	-	-
H10312930220	26,19	74,42	5,59	210,00	H SERIES	-	-
H10312930220C	26,19	74,42	5,59	210,00	H SERIES	-	Chamfered
CA10313100250D	26,19	78,74	6,35	196,70	TP-1 SERIES	DLC Coated Pin	-
CA10313125185D	26,19	79,38	4,70	266,80	TP-1 SERIES	DLC Coated Pin	-

PISTON PINS

Trend Pin Chart

Part #	OD	Length (MM)	Wall Thickness (MM)	Gram Wt.	Series	Coated	Note
CA10313400250D	26,19	86,36	6,35	232,20	TP-1 SERIES	DLC Coated Pin	-
G10402930155	26,42	74,42	3,94	162,00	G SERIES	-	-
CA10942750250	27,79	69,85	6,35	209,00	TP-1 SERIES	-	-
H10942925220	27,79	74,30	13,26	226,00	H SERIES	-	-
H10942930145	27,79	74,42	3,68	163,00	H SERIES	-	-
H10942930185	27,79	74,42	4,70	197,00	H SERIES	-	-
CA10942930200D	27,79	74,42	5,08	210,00	TP-1 SERIES	DLC Coated Pin	-
H10942930200	27,79	74,42	5,08	210,00	H SERIES	-	-
H10942930200C	27,79	74,42	5,08	226,00	H SERIES	-	Chamfered
H10942930220	27,79	74,42	5,59	226,00	H SERIES	-	-
H10942930220C	27,79	74,42	5,59	226,00	H SERIES	-	Chamfered
CA10942930225	27,79	74,42	5,72	212,60	TP-1 SERIES	-	-
CA10942930225D	27,79	74,42	5,72	212,60	TP-1 SERIES	DLC Coated Pin	-
H10943100300	27,79	78,74	7,62	298,00	H SERIES	-	-
CA10943125235T	27,79	79,38	5,97	225,00	TP-1 SERIES	-	Tapered
CA10943125250T	27,79	79,38	6,35	240,50	TP-1 SERIES	-	Tapered
CA10943250235T	27,79	82,55	5,97	244,30	TP-1 SERIES	-	Tapered
CA10943400200	27,79	86,36	5,08	243,90	TP-1 SERIES	-	-
CA10943400200D	27,79	86,36	5,08	249,40	TP-1 SERIES	DLC Coated Pin	-
CA10943400205	27,79	86,36	5,08	265,80	TP-1 SERIES	-	-
CA10943400205D	27,79	86,36	5,21	256,80	TP-1 SERIES	DLC Coated Pin	-
CA10943400225	27,79	86,36	5,72	288,20	TP-1 SERIES	-	-
CA10943400225D	27,79	86,36	5,72	288,20	TP-1 SERIES	DLC Coated Pin	-
CA10943400250	27,79	86,36	6,35	287,10	TP-1 SERIES	-	-
CA10943400250D	27,79	86,36	6,35	287,00	TP-1 SERIES	DLC Coated Pin	-
CA10943400250TD	27,79	86,36	6,35	238,00	TP-1 SERIES	DLC Coated Pin	-
H10943400250	27,79	86,36	6,35	289,00	H SERIES	-	-
H10943400275	27,79	86,36	6,99	309,00	H SERIES	-	-
CA10952930225D	27,81	74,42	5,72	256,50	TP-1 SERIES	DLC Coated Pin	-
CA10983250225D	27,89	82,55	5,72	256,00	TP-1 SERIES	DLC Coated Pin	-
CA11563150330TD	29,36	80,01	8,38	323,40	TP-1 SERIES	DLC Coated Pin	Tapered
CA11563300330T	29,36	83,82	8,38	318,60	TP-1 SERIES	-	Tapered
CA11563300330TD	29,36	83,82	8,38	337,30	TP-1 SERIES	DLC Coated Pin	Tapered
CA11563300350TD	29,36	83,82	8,89	286,00	TP-1 SERIES	DLC Coated Pin	Tapered
CA11563400225	29,36	86,36	5,72	255,60	TP-1 SERIES	-	-
CA11563400250T	29,36	86,36	6,35	333,10	TP-1 SERIES	-	Tapered
CA11563400330TD	29,36	86,36	8,38	507,00	TP-1 SERIES	DLC Coated Pin	Tapered
CA12503500450	31,75	88,90	11,43	571,80	TP-1 SERIES	-	-
CA13754000375T	34,93	101,60	9,53	602,00	TP-1 SERIES	-	Tapered
CA16254090437	41,28	103,89	11,10	852,00	TP-1 SERIES	-	-
CA16254090470	41,28	103,89	11,94	891,00	TP-1 SERIES	-	-
CA16254090470D	41,28	103,89	11,94	891,00	TP-1 SERIES	DLC Coated Pin	Tapered



PISTON RINGS

Ring Set Type Decoder

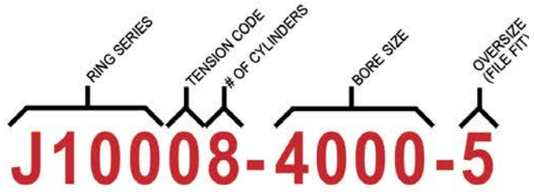
TOP RING CODES

CODE	DESCRIPTION (MATERIAL, COATING, SHAPE)
CMB	Carbon Steel, Plasma Moly, Barrel Face, D-wall, Torsional
CMR	Carbon Steel, Plasma Moly, Barrel Face, Back Cut, Torsional
CNN	Carbon Steel, Nitride, Flat Face, Neutral twist
CNR	Carbon Steel, Nitride, Barrel Face, Back Cut, Torsional
CNS	Carbon Steel, Nitride, Barrel Face, Back Cut, Neutral
CUB	Carbon Steel, Chrome, Barrel Face, D-wall, Torsional
CUR	Carbon Steel, Chrome, Barrel Face, Back Cut, Torsional
CUS	Carbon Steel, Chrome, Barrel Face, Back Cut, Neutral
DMB	Ductile Iron, Plasma Moly, Barrel Face, D-wall, Torsional
DMD	Ductile Iron, Plasma Moly, Dykes
DMK	Ductile Iron, Plasma Moly, Flat Face, Torsional
DMR	Ductile Iron, Plasma Moly, Barrel Face, Back Cut, Torsional
DNS	Ductile Iron, Nitride, Barrel Face, Back Cut, Neutral
DUH	Ductile Iron, Chrome, Barrel Face D-wall, Neutral
HPB	Hard Ductile Iron, Phospate, Barrel Face, D-wall, Torsional
HPD	Hard Ductile Iron, Phospate, Dykes
HPR	Hard Ductile Iron, Phospate, Barrel Face, Back Cut, Torsional
IEB	Iron, Moly Fill, Barrel Face, D-wall, Torsional
IES	Iron, Moly Fill, Barrel Face, Back Cut, Neutral
IMB	Iron, Plasma Moly, Barrel Face, D-wall, Torsional
IMH	Iron, Plasma Moly, Barrel Face D-wall, Neutral
IPA	Iron, Phospate, Taper Face, Back Cut, Neutral
IPL	Iron, Phospate, Taper Face, Positive Twist
SAS	Stainless Steel, IP (CrN-soft), Barrel Face, Back Cut, Neutral
SDR	Stainless Steel, Composite Nitride, Barrel Face, Back Cut, Torsional
SGR	Stainless Steel, Titan Nitride, Barrel Face, Back Cut, Neutral
SNS	Stainless Steel, Nitride, Barrel Face, Back Cut, Neutral

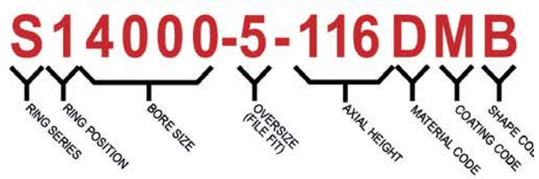
SECOND RING CODES

CODE	DESCRIPTION (MATERIAL, COATING, SHAPE)
CUA	Carbon Steel, Chrome, Taper Face, Back Cut, Neutral
DPA	Ductile Iron, Phospate, Taper Face, Back Cut, Neutral
DPC	Ductile Iron, Phospate, Taper Face, Back Cut, Reverse Torsional
DPE	Ductile Iron, Phospate, Napier, Back Cut, Neutral
IFA	Iron, Ferroxide, Taper Face, Back Cut, Neutral
IFM	Iron, Ferroxide, Taper Face, Neutral
IFQ	Iron, Ferroxide, Tapered Under Cut, Neutral
IFU	Iron, Ferroxide, Tapered Undercut-NonContinous Neutral
IMT	Iron, Ferroxide, Taper Face, D-wall, Reverse Torsional
INM	Iron, Nitride, Taper Face, Neutral
IPA	Iron, Phospate, Taper Face, Back Cut, Neutral
IPC	Iron, Phospate, Taper Face, Back Cut, Reverse Torsional
IPE	Iron, Phospate, Napier, Back Cut, Neutral
IPG	Iron, Phospate, Gapless
IPK	Iron, Phospate, Flat Face, Torsional
IPL	Iron, Phospate, Taper Face, Positive Twist
IPQ	Iron, Phospate, Tapered Under Cut, Neutral
IPT	Iron, Phospate, Taper Face, D-wall, Reverse Torsional
IPU	Iron, Phospate, Tapered Undercut-NonContinous Neutral
IPX	Iron, Phospate,
IUA	Iron, Chrome, Taper Face, Back Cut, Neutral
IUL	Iron, Chrome, Taper Face, Positive Twist
IUM	Iron, Chrome, Taper Face, Neutral
IUQ	Iron, Chrome, Tapered Under Cut, Neutral
IUS	Iron, Chrome, Barrel Face, Back Cut, Neutral
IUU	Iron, Chrome, Tapered Undercut-NonContinous Neutral
SNA	Stainless Steel, Nitride, Taper Face, Back Cut, Neutral

RING SERIES PART NUMBER BREAKDOWN



TOP RING PART NUMBER BREAKDOWN



SECOND RING PART NUMBER BREAKDOWN



OIL RING PART NUMBER BREAKDOWN



OIL RING TENSION CODE LEGEND

Code	Oil Tension in Pounds	Code	Oil Tension in Pounds
A	1-2	J	17-18
B	3-4	K	19-20
C	5-6	L	21-22
D	7-8	M	23-24
E	9-10	N	25-26
F	11-12	P	27-28
G	13-14	Q	29-30
H	15-16		

SHAPE CODES (OIL RINGS)

F	Flexvent
P	2 Piece
S	SS50U Style
U	U-flex

OIL RING TYPES

CODE	DESCRIPTION (MATERIAL, COATING, SHAPE)
CNF	Carbon Steel, Nitride, Flex Vent
CNS	Carbon Steel, Nitride, SS50U Style
CUF	Carbon Steel, Chrome, Full Seal, Flex Vent
CUS	Carbon Steel, Chrome, SS50U Style
IPD	Iron, Phosphate, 2pc W/Inner Spring Dbl Bevel
SCF	Stainless Steel, IP (CrN-Hard), Flex Vent
SNF	Stainless Steel, Nitride, Flex Vent

▲TOP

PISTON RINGS

JE Pistons Ring Chart

	TOP RING			SECOND RING			OIL RING				
Bore IN	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type	# in Set	Ring Set Part Number
57,99	1,00	2,36	CUS	1,20	2,69	IPA	2,50	2,62	CUS	1	JC3601-2283
59,99	0,80	2,57	CUS	0,80	2,57	DPA	1,50	2,41	CUF	1	XA6000
62,00	0,80	2,57	CUS	0,80	2,57	DPA	1,50	2,41	CUF	1	XA6200
64,01	0,80	2,57	CUS	0,80	2,57	DPA	1,50	2,41	CUF	1	XA6400
65,00	0,80	2,57	CUS	0,80	2,57	DPA	1,50	2,41	CUF	1	XA6500
65,00	1,00	2,72	CUS	1,20	2,92	IPA	2,80	3,02	CUS	1	XC6500
65,51	1,00	2,72	CUS	1,20	2,92	IPA	2,80	2,97	CUS	1	XC6550
65,99	0,80	2,77	CUR	2 Ring			1,50	2,41	CUF	1	JC3801-2598
65,99	0,80	2,77	CUS	0,80	2,77	DPA	1,50	2,41	CUF	1	XA6600
65,99	1,00	2,72	CUS	1,20	2,92	IPA	2,80	2,97	CUS	1	XC6600
66,50	0,80	2,77	CUS	0,80	2,77	DPA	1,50	2,41	CUF	1	XA6650
66,98	0,80	2,77	CUS	0,80	2,77	DPA	1,50	2,41	CUF	1	XA6700
67,01	1,00	2,72	CUS	1,20	2,92	IPA	2,80	2,97	CUS	1	XC6700
67,49	0,80	2,77	CUS	0,80	2,77	DPA	1,50	2,41	CUF	1	XA6750
68,00	0,80	2,77	CUR	2 Ring			1,50	2,41	CUF	1	JC3801-2677
68,00	0,80	2,77	CUS	0,80	2,77	DPA	1,50	2,41	CUF	1	XA6800
68,00	1,00	2,72	CUS	1,20	2,92	IPA	2,80	2,97	CUS	1	XC6800
68,28	0,80	2,77	CUR	2 Ring			1,50	2,41	CUF	1	JC3801-2688
68,99	0,80	2,77	CUS	0,80	2,77	DPA	1,50	2,41	CUF	1	XA6900
70,00	0,80	2,77	CUR	2 Ring			1,50	2,41	CUF	1	JC3801-2756
70,00	0,80	2,77	CUS	0,80	2,97	DPA	1,50	2,41	CUF	1	XA7000
70,00	1,00	2,72	CUS	1,20	3,12	IPA	2,80	2,97	CUS	1	XC7000
70,99	1,00	2,72	CUS	1,20	3,12	IPA	2,80	2,97	CUS	1	XC7100
71,98	0,80	2,77	CUS	0,80	2,97	DPA	1,50	2,41	CUF	1	XA7200
71,98	1,00	2,72	CUS	1,20	3,30	IPA	2,80	2,97	CUS	1	XC7200
72,52	1,00	2,92	CUS	1,20	2,92	IPC	2,80	3,18	CUF	4	JC4704-2855
73,00	1,00	2,79	CNS	1,20	3,10	DPE	2,80	2,95	CNF	4	JG1004-2874
73,00	0,80	2,77	CUS	0,80	2,97	DPA	1,50	2,41	CUF	1	XA7300
73,00	1,00	2,72	CUS	1,20	3,30	IPA	2,80	2,97	CUS	1	XC7300
73,51	1,00	2,79	CNS	1,20	3,30	DPE	2,80	3,25	CNF	4	JG1004-2894
73,51	0,80	2,77	CUS	0,80	2,97	DPA	1,50	2,41	CUF	1	XA7350
73,99	0,80	2,77	CUS	0,80	2,97	DPA	1,50	2,41	CUF	1	XA7400
74,02	1,00	2,72	CUS	1,20	3,30	IPA	2,80	2,97	CUS	1	XC7400
74,50	0,80	2,77	CUS	0,80	2,97	DPA	1,50	2,41	CUF	1	XA7450
75,01	1,00	3,00	CUS	1,20	3,30	IPT	2,80	3,30	CUF	4	JXC0F4-2953-2
75,01	1,00	2,79	CNS	1,20	3,30	DPE	2,80	3,25	CNF	4	JG1004-2953
75,01	1,00	2,72	CUS	1,20	3,30	IPA	2,80	2,97	CUS	1	XC7500
75,01	1,00	2,77	CUS	1,00	3,12	DPA	2,00	3,35	CUS	1	XG7500
75,01	1,00	2,82	CNR	1,00	3,12	DPA	2,00	2,51	CNF	1	XGN7500
75,26	1,00	2,90	CUS	1,20	3,00	IPT	2,80	3,18	CUF	4	JXC0F4-2963-0
75,26	1,00	2,77	CUS	1,20	3,12	IPA	2,80	2,67	CUS	1	XC7525
75,49	1,00	3,00	CUS	1,20	3,30	IPT	2,80	3,30	CUF	4	JXC0F4-2972-2
75,49	1,20	3,02	CUS	1,50	3,43	IFM	3,00	2,92	CUS	4	JC2304-2972
75,49	1,00	2,79	CNS	1,20	3,30	DPE	2,80	3,25	CNF	4	JG1004-2972
75,49	1,00	2,72	CUS	1,20	3,30	IPA	2,80	3,02	CUS	1	XC7550
76,00	1,20	2,95	CUS	2 Ring			2,00	3,35	CUF	1	JC3401-2992
76,00	1,00	2,79	CNS	1,20	3,30	DPE	2,80	3,25	CNF	4	JG1004-2992
76,00	1,00	2,97	CUS	1,20	3,51	IPA	2,80	3,30	CUS	1	XC7600
76,00	1,00	2,95	CUS	1,00	3,15	DPA	2,00	3,35	CUS	1	XG7600
76,50	1,00	2,97	CUS	1,20	3,51	IPA	2,80	3,30	CUS	1	XC7650
76,50	1,00	3,15	CUS	1,00	3,15	DPA	2,00	3,35	CUS	1	XG7650
76,99	1,20	3,43	CUS	1,50	3,33	IUQ	4,00	3,33	CUS	4	JC1604-3031
76,99	0,90	2,74	CUR	2 Ring			1,50	2,39	CUF	1	JC3301-3031
76,99	0,80	2,87	CUR	2 Ring			1,50	2,69	CUF	1	JC3501-3031
76,99	1,00	2,97	CUS	1,20	3,51	IPA	2,80	3,30	CUS	1	XC7700
76,99	1,00	3,15	CUS	1,00	3,15	DPA	2,00	3,35	CUS	1	XG7700
76,99	0,90	2,74	CUR	0,80	2,79	CUA	1,50	2,39	CUF	1	XU7700
77,50	1,20	3,43	CUS	1,50	3,33	IUQ	4,00	3,33	CUS	4	JC1604-3051
77,50	1,20	3,02	CNS	1,20	3,63	IUL	2,80	3,23	CNS	4	JG0004-3051
78,00	1,00	2,79	CNS	1,20	3,30	DPE	2,80	3,25	CNF	4	JG1004-3071
78,00	1,20	3,15	CUS	2 Ring			2,00	3,35	CUF	1	JC3401-3071
78,00	1,20	3,12	CUS	1,20	3,20	IPC	2,80	3,30	CUF	4	JC42F4-3071
78,00	1,20	3,02	CNS	1,20	3,63	IUL	2,80	3,23	CNS	4	JG0004-3071
78,00	0,90	2,92	SNS	2 Ring			1,50	2,69	SNF	1	JG7001-3071
78,00	1,00	3,10	CUS	1,20	3,51	IPA	2,80	3,25	CUS	1	XC7800
78,00	1,00	3,15	CUS	1,00	3,15	DPA	2,00	3,35	CUS	1	XG7800
78,51	1,20	3,12	CUS	1,50	3,43	IUA	2,80	2,92	CUS	4	JC3004-3091

PISTON RINGS



JE Pistons Ring Chart

Bore IN	TOP RING			SECOND RING			OIL RING			# in Set	Ring Set Part Number
	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type		
78,51	1,00	2,79	CNS	1,20	3,30	DPE	2,80	3,25	CNF	4	JG1004-3091
78,51	1,20	3,12	CUS	1,50	3,43	IUA	2,80	2,92	CUS	6	JC3006-3091
78,99	1,20	2,77	CUS	1,20	3,33	IPQ	3,00	2,67	CUS	4	JC1004-3110
78,99	1,20	3,15	CUS	2 Ring			2,00	3,35	CUF	1	JC3401-3110
78,99	1,00	3,00	CNS	1,20	3,51	DPE	2,80	3,25	CNF	4	JG1004-3110
78,99	1,00	3,12	CUS	1,20	3,51	IPA	2,80	3,25	CUS	1	XC7900
78,99	1,00	3,15	CUS	1,00	3,15	DPA	2,00	3,35	CUS	1	XG7900
79,50	1,00	3,15	CUS	1,00	3,15	DPA	2,00	3,35	CUS	1	XG7950
80,01	1,20	3,63	CUS	1,50	3,73	IFQ	4,00	3,38	CUS	4	JC1704-3150
80,01	1,20	3,15	CUS	2 Ring			2,00	3,35	CUF	1	JC3401-3150
80,01	0,90	2,92	SNS	2 Ring			1,50	2,69	SNF	1	JG7001-3150
80,01	1,00	3,30	CUS	1,20	3,51	IPA	2,80	3,30	CUS	1	XC8000
80,01	1,00	3,15	CUS	1,00	3,15	DPA	2,00	3,35	CUS	1	XG8000
80,49	1,00	3,30	CUS	1,20	3,51	IPA	2,80	3,30	CUS	1	XC8050
80,98	1,59	3,58	IMB	1,59	3,84	IPT	4,00	3,81	CUF	2	J180F2-3188
81,00	1,00	3,20	CNS	1,20	3,51	DPE	2,80	3,25	CNF	4	JG1004-3189
81,00	1,00	3,20	CNS	1,20	3,51	DPE	2,80	3,25	CNF	5	JG1005-3189
81,00	1,00	3,20	CNS	1,20	3,51	DPE	2,80	3,25	CNF	6	JG1006-3189
81,00	1,20	3,02	CNS	1,50	3,53	IFM	3,00	2,97	CNS	4	JG9004-3189
81,00	1,00	3,30	CUS	1,20	3,51	IPA	2,80	3,30	CUS	1	XC8100
81,00	1,00	3,15	CUS	1,00	3,35	DPA	2,00	3,35	CUS	1	XG8100
81,00	1,00	3,00	SNR	1,00	3,30	DPA	2,00	3,25	CUS	1	XGNC8100
81,23	1,59	3,43	IMB	1,59	3,43	IPT	4,00	3,81	CUF	2	J180F2-3198
81,25	1,00	3,23	CUS	1,20	3,43	IPT	2,80	3,30	CUF	4	JXC0F4-3199-0
81,25	1,20	3,02	CNS	1,50	3,53	IFM	3,00	2,97	CNS	4	JG9004-3199
81,25	1,00	3,23	CUS	1,20	3,43	IPA	2,80	2,82	CUS	1	XC8125
81,36	0,80	2,79	SNR	2 Ring			1,50	2,64	SAF	1	JG4801-3023
81,48	1,59	3,73	IMB	1,59	3,73	IPT	4,00	3,81	CUF	2	J180F2-3208
81,51	1,00	3,20	CUS	1,20	3,51	IPT	2,80	3,30	CUF	4	JXC0F4-3209-2
81,51	1,00	3,23	CUR	1,20	3,43	IPU	2,80	2,82	CUS	4	JC2604-3209
81,51	1,00	3,20	CNS	1,20	3,51	DPE	2,80	3,25	CNF	4	JG1004-3209
81,51	1,00	3,20	CNS	1,20	3,51	DPE	2,80	3,25	CNF	5	JG1005-3209
81,51	1,00	3,20	CNS	1,20	3,51	DPE	2,80	3,25	CNF	6	JG1006-3209
81,51	1,20	3,02	CNS	1,50	3,53	IFM	3,00	2,97	CNS	4	JG9004-3209
81,51	1,00	3,30	CUS	1,20	3,51	IPA	2,80	3,30	CUS	1	XC8150
81,74	1,59	3,73	IMB	1,59	3,73	IPT	4,00	3,81	CUF	2	J180F2-3218
81,99	1,00	3,30	CUS	1,20	3,61	IPT	2,80	3,30	CUF	4	JXC0F4-3228-0
81,99	1,00	3,30	CUS	1,20	3,61	IPT	2,80	3,30	CUF	6	JXC0F6-3228-0
81,99	1,59	3,86	IMB	1,59	3,86	IPT	4,00	3,94	CUF	2	J180F2-3228
81,99	1,00	3,20	CNS	1,20	3,51	DPE	2,80	3,25	CNF	4	JG1004-3228
81,99	1,00	3,20	CNS	1,20	3,51	DPE	2,80	3,25	CNF	5	JG1005-3228
81,99	1,00	3,20	CNS	1,20	3,51	DPE	2,80	3,25	CNF	6	JG1006-3228
81,99	1,00	3,30	CUS	1,20	3,61	IPA	2,80	3,30	CUS	1	XC8200
81,99	1,00	3,15	CUS	1,00	3,35	DPA	2,00	3,35	CUS	1	XG8200
82,30	1,20	3,23	CNS	1,50	3,94	IUM	3,00	2,97	CNS	4	JG2604-3240
82,50	1,00	3,30	CUS	1,20	3,61	IPT	2,80	3,30	CUF	4	JXC0F4-3248-2
82,55	1,00	3,20	CNS	1,20	3,51	DPE	2,80	3,25	CNF	4	JG1004-3250
82,55	1,00	3,20	CNS	1,20	3,51	DPE	2,80	3,25	CNF	5	JG1005-3250
82,55	1,00	3,30	CUS	1,20	3,61	IPA	2,80	3,30	CUS	1	XC8255
83,01	1,00	3,20	CNS	1,20	3,51	DPE	2,80	3,25	CNF	4	JG1004-3268
83,01	1,00	3,20	CNS	1,20	3,51	DPE	2,80	3,25	CNF	5	JG1005-3268
83,01	1,00	3,20	CNS	1,20	3,51	DPE	2,80	3,25	CNF	6	JG1006-3268
83,01	1,20	3,20	CNR	1,50	3,71	IPQ	3,00	3,30	CNS	4	JG2904-3268
83,01	1,00	3,30	CUS	1,20	3,61	IPA	2,80	3,25	CUS	1	XC8300
83,01	1,00	3,15	CUS	1,00	3,35	DPA	2,00	3,35	CUS	1	XG8300
83,49	1,50	3,43	CUR	1,50	3,73	IFM	3,00	2,92	CNS	4	JC6004-3287
83,49	1,00	3,20	CNS	1,20	3,61	DPE	2,80	3,25	CNF	4	JG1004-3287
83,49	1,00	3,20	CNS	1,20	3,51	DPE	2,80	3,25	CNF	5	JG1005-3287
83,49	1,00	3,20	CNS	1,20	3,61	DPE	2,80	3,25	CNF	6	JG1006-3287
83,49	1,00	3,30	CUS	1,20	3,61	IPA	2,80	3,25	CUS	1	XC8350
84,00	1,00	3,20	CUS	1,20	3,61	IPT	2,80	3,30	CUF	4	JXC0F4-3307-2
84,00	1,00	3,20	CUS	1,20	3,61	IPT	2,80	3,30	CUF	6	JXC0F6-3307-2
84,00	1,50	3,58	DMB	1,50	3,99	IPT	4,00	3,43	CUF	4	J640F4-3307
84,00	1,00	3,20	CNS	1,20	3,61	DPE	2,80	3,25	CNF	4	JG1004-3307
84,00	1,00	3,20	CNS	1,20	3,51	DPE	2,80	3,25	CNF	5	JG1005-3307
84,00	1,00	3,20	CNS	1,20	3,61	DPE	2,80	3,25	CNF	6	JG1006-3307
84,00	1,00	3,30	CUS	1,20	3,61	IPA	2,80	3,25	CUS	1	XC8400

PISTON RINGS



JE Pistons Ring Chart

Bore IN	TOP RING			SECOND RING			OIL RING			# in Set	Ring Set Part Number
	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type		
84,25	1,50	3,58	DMB	1,50	3,99	IPT	4,00	3,56	CUF	4	J640F4-3317
84,51	1,50	3,58	DMB	1,50	3,81	IPT	4,00	3,43	CUF	4	J640F4-3327
84,51	1,00	3,20	CNS	1,20	3,61	DPE	2,80	3,25	CNF	4	JG1004-3327
84,51	1,00	3,20	CNS	1,20	3,61	DPE	2,80	3,25	CNF	6	JG1006-3327
84,51	1,00	3,30	CUS	1,20	3,61	IPA	2,80	3,25	CUS	1	XC8450
84,99	1,00	3,20	CUS	1,20	3,61	IPT	2,80	3,30	CUF	4	JXC0F4-3346-2
84,99	1,00	3,20	CNS	1,20	3,61	DPE	2,80	3,25	CNF	4	JG1004-3346
84,99	1,00	3,20	CNS	1,20	3,61	DPE	2,80	3,25	CNF	6	JG1006-3346
84,99	1,00	3,30	CUS	1,20	3,61	IPA	2,80	3,30	CUS	1	XC8500
85,01	1,50	3,58	DMB	1,50	3,81	IPT	4,00	3,43	CUF	4	J640F4-3347
85,01	1,20	3,23	CNS	1,50	3,94	IUU	3,00	2,97	CNS	4	JG2704-3347
85,01	1,00	3,30	CNS	1,20	3,61	IPC	2,00	3,00	CUF	1	XR8500
85,50	1,50	3,89	DMH	1,50	3,86	IPT	4,00	3,43	CUF	4	J670F4-3366
85,50	1,20	3,30	CUS	1,50	3,86	IPT	3,00	2,67	CUF	4	JC1904-3366
85,50	1,20	3,33	CUS	1,20	3,81	IPT	2,80	3,43	CUF	1	JC80F1-3366
85,50	1,00	3,20	CNS	1,20	3,61	DPE	2,80	3,25	CNF	4	JG1004-3366
85,50	1,00	3,20	CNS	1,20	3,61	DPE	2,80	3,25	CNF	6	JG1006-3366
85,50	1,20	3,23	CNS	1,50	3,94	IUU	3,00	2,97	CNS	4	JG2704-3366
85,75	1,20	3,30	CUS	1,50	3,86	IPT	3,00	2,67	CUF	4	JC1904-3376
85,75	1,20	3,23	CNS	1,50	3,94	IUU	3,00	2,97	CNS	4	JG2704-3376
86,00	1,50	3,86	DMB	1,50	4,04	IPQ	4,00	3,68	CUF	4	J614F4-3386
86,00	1,20	3,02	CUS	1,20	3,53	IPA	2,80	2,97	CUS	4	JC0004-3386
86,00	1,20	3,38	CUS	1,50	3,91	IPT	3,00	2,67	CUF	4	JC1904-3386
86,00	1,20	3,38	CUS	1,50	3,91	IPT	3,00	2,67	CUF	6	JC1906-3386
86,00	1,50	3,23	CUR	1,50	3,78	IUM	3,00	3,12	CUS	4	JC2904-3386
86,00	1,00	3,20	CNS	1,20	3,61	DPE	2,80	3,25	CNF	4	JG1004-3386
86,00	1,00	3,20	CNS	1,20	3,61	DPE	2,80	3,25	CNF	6	JG1006-3386
86,00	1,20	3,23	CNR	1,50	3,94	IUQ	3,00	2,67	CNS	4	JG2804-3386
86,00	1,20	3,23	CNR	1,50	3,94	IUQ	3,00	2,67	CNS	6	JG2806-3386
86,00	1,00	3,30	CUS	1,20	3,61	IPA	2,80	3,30	CUS	1	XC8600
86,00	1,00	3,30	CNS	1,20	3,61	IPC	2,00	3,00	CUF	1	XR8600
86,49	1,50	3,89	DUH	1,50	4,09	IPX	4,00	3,68	CUF	4	JC11F4-3405
86,49	1,50	3,89	DUH	1,50	4,09	IPX	4,00	3,68	CUF	6	JC11F6-3405
86,49	1,00	3,40	CNS	1,20	3,71	DPE	2,80	3,25	CNF	4	JG1004-3405
86,49	1,00	3,40	CNS	1,20	3,71	DPE	2,80	3,25	CNF	6	JG1006-3405
86,51	1,50	3,89	DMB	1,50	4,09	IPQ	4,00	3,68	CUF	4	J614F4-3406
86,51	1,20	3,23	CUR	1,50	3,94	IPQ	3,00	2,67	CUS	4	JC2104-3406
86,51	1,20	3,23	CUR	1,50	3,94	IPQ	3,00	2,67	CUS	6	JC2106-3406
87,00	1,20	3,33	CUS	1,20	3,66	IPT	2,80	2,67	CUF	4	JC0004-3425
87,00	1,50	3,61	DMB	1,50	3,61	IPK	4,00	3,43	CUF	4	J615F4-3425
87,00	1,20	3,23	CUR	1,50	3,94	IPQ	3,00	2,67	CUS	4	JC2104-3425
87,00	1,20	3,23	CUR	1,50	3,94	IPQ	3,00	2,67	CUS	6	JC2106-3425
87,00	1,00	3,40	CNS	1,20	3,71	DPE	2,80	3,25	CNF	4	JG1004-3425
87,00	1,00	3,40	CNS	1,20	3,71	DPE	2,80	3,25	CNF	6	JG1006-3425
87,00	1,50	3,43	CNS	1,50	3,94	IPQ	4,00	3,18	CNS	4	JG2104-3425
87,00	1,00	3,30	CUS	1,20	3,81	IPA	2,80	3,30	CUS	1	XC8700
87,50	1,00	3,40	CNS	1,20	3,71	DPE	2,80	3,25	CNF	4	JG1004-3445
87,50	1,00	3,40	CNS	1,20	3,71	DPE	2,80	3,25	CNF	6	JG1006-3445
87,50	1,50	3,43	CNS	1,50	3,84	IFU	4,00	2,97	CUS	4	JG2204-3445
87,50	1,00	3,30	CUS	1,20	3,81	IPA	2,80	3,30	CUS	1	XC8750
88,01	1,20	3,53	CUS	1,20	3,66	IPT	3,00	3,94	CUF	4	JC1204-3465
88,01	1,20	3,63	CMB	1,20	3,66	IPT	3,00	3,94	CUF	4	JM1004-3465
88,01	1,00	3,40	CNS	1,20	3,71	DPE	2,80	3,25	CNF	4	JG1004-3465
88,01	1,00	3,30	CUS	1,20	3,81	IPA	2,80	3,30	CUS	1	XC8800
88,49	1,00	3,40	CNS	1,20	3,71	DPE	2,80	3,25	CNF	4	JG1004-3484
88,49	1,50	3,43	CNS	1,50	3,84	IFU	4,00	2,97	CUS	6	JG2206-3484
88,49	1,00	3,30	CUS	1,20	3,81	IPA	2,80	3,30	CUS	1	XC8850
88,85	1,59	3,96	IMH	1,59	3,96	IPT	3,97	4,62	CUF	2	J140F2-3498
88,85	1,59	4,11	IMB	1,59	3,96	IPT	4,76	4,62	CUF	2	J120F2-3498
88,98	1,59	3,88	IMH	1,59	3,96	IPT	3,97	4,62	CUF	2	J140F2-3503
89,00	1,00	3,40	CNS	1,20	3,81	DPE	2,80	3,25	CNF	4	JG1004-3504
89,00	1,00	3,40	CNS	1,20	3,81	DPE	2,80	3,25	CNF	6	JG1006-3504
89,00	1,50	3,43	CNS	1,50	4,09	IUM	4,00	3,38	CUS	4	JG2004-3504
89,00	1,00	3,30	CUS	1,20	3,91	IPA	2,80	3,30	CUS	1	XC8900
89,10	1,59	3,96	IMH	1,59	3,96	IPT	3,97	4,75	CUF	2	J140F2-3508
89,26	1,00	3,30	CUS	1,20	3,91	IPA	2,80	3,30	CUS	1	XC8925
89,36	1,59	3,99	IMH	1,59	3,99	IPT	3,97	4,88	CUF	2	J140F2-3518

PISTON RINGS



JE Pistons Ring Chart

	TOP RING			SECOND RING			OIL RING				
Bore IN	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type	# in Set	Ring Set Part Number
89,36	1,59	4,11	IMB	1,59	3,96	IPT	4,76	4,88	CUF	2	J120F2-3518
89,51	1,00	3,40	CNS	1,20	3,81	DPE	2,80	3,25	CNF	4	JG1004-3524
89,51	1,50	3,43	CNS	1,50	4,09	IUM	4,00	3,38	CUS	4	JG2004-3524
89,51	1,00	3,30	CUS	1,20	3,91	IPA	2,80	3,30	CUS	1	XC8950
89,61	1,59	3,99	IMH	1,59	3,99	IPT	3,97	4,75	CUF	2	J140F2-3528
89,61	1,59	4,11	IMB	1,59	3,96	IPT	4,76	4,88	CUF	2	J120F2-3528
89,76	1,00	3,30	CUS	1,20	3,91	IPA	2,80	3,30	CUS	1	XC8975
89,87	1,59	4,11	IMB	1,59	3,96	IPT	4,76	4,88	CUF	2	J120F2-3538
90,00	1,00	3,40	CNS	1,20	3,81	DPE	2,80	3,25	CNF	4	JG1004-3543
90,00	1,00	3,40	CNS	1,20	3,81	DPE	2,80	3,25	CNF	6	JG1006-3543
90,00	1,00	3,30	CUS	1,20	3,91	IPA	2,80	3,30	CUS	1	XC9000
90,17	1,50	3,94	CMR	1,50	4,11	IPT	3,00	3,81	CUF	8	J68008-3550-5
90,20	1,50	3,96	IES	1,50	4,09	IPT	3,00	3,28	CUS	8	J613F8-3551
90,20	1,20	3,43	CNS	1,50	4,04	IFC	3,00	3,23	CUF	1	JG3201-3551-0
90,20	1,20	3,43	CNS	1,50	4,04	IFC	3,00	3,23	CUF	8	JG3208-3551-0
90,50	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	4	JG1004-3563
90,50	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	8	JG1008-3563
90,50	1,00	3,30	CUS	1,20	3,91	IPA	2,80	3,30	CUS	1	XC9050
90,68	1,50	3,94	CMR	1,50	4,24	IPT	3,00	3,81	CUF	8	J68008-3570-5
90,70	1,50	3,63	CMS	1,50	4,22	IPT	3,00	3,68	CUS	8	J101F8-3571
90,70	1,20	3,43	CNS	1,50	4,04	IFC	3,00	3,23	CUF	1	JG3201-3571-0
90,70	1,20	3,43	CNS	1,50	4,04	IFC	3,00	3,23	CUF	8	JG3208-3571-0
90,98	1,50	3,94	DMH	1,50	4,22	IPT	3,00	3,68	CUS	8	J617F8-3582-5
91,01	1,00	3,40	CNS	1,20	3,81	DPE	2,80	3,25	CNF	4	JG1004-3583
91,01	1,00	3,56	CUS	1,20	4,01	IPA	2,80	3,30	CUS	1	XC9100
91,11	1,20	3,43	CUS	1,50	3,94	IUM	3,00	3,02	CUS	4	JC2204-3587
91,11	1,50	3,43	CNS	1,50	3,94	IUA	4,00	3,38	CNS	4	JG2404-3587
91,50	1,00	3,40	CNS	1,20	3,81	DPE	2,80	3,25	CNF	4	JG1004-3602
91,50	1,00	3,40	CNS	1,20	3,81	DPE	2,80	3,25	CNF	6	JG1006-3602
91,59	1,20	3,43	CUS	1,50	3,94	IUM	3,00	3,02	CUS	6	JC2206-3606
92,00	1,20	3,43	CUS	1,50	3,84	IFA	3,00	3,94	CUF	4	JC9004-3622
92,00	1,50	3,45	DMB	1,50	3,84	IPT	3,00	3,18	CUF	4	J610F4-3622
92,00	1,50	3,48	DMB	1,50	4,11	IPQ	4,00	3,43	CUF	4	J614F4-3622
92,00	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	4	JG1004-3622
92,00	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	6	JG1006-3622
92,00	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	8	JG1008-3622
92,00	1,00	3,51	CUS	1,20	4,11	IPA	2,80	3,30	CUS	1	XC9200
92,08	1,59	4,32	IMH	1,59	4,32	IPT	3,97	4,62	CUF	2	J140F2-3625
92,08	1,59	4,32	IMH	1,59	4,32	IPT	4,76	4,62	CUF	2	J150F2-3625
92,08	1,59	4,32	IMH	1,59	4,32	IPT	4,76	4,62	CUF	4	J150F4-3625
92,10	1,50	3,43	CNS	1,50	3,94	IUA	4,00	3,38	CNS	4	JG2404-3626
92,25	1,00	3,40	CNS	1,20	3,81	DPE	2,80	3,25	CNF	8	JG1008-3632
92,33	1,59	4,32	DMK	1,59	4,32	IPT	4,76	4,75	CUF	1	J160F1-3635
92,33	1,59	4,32	DMK	1,59	4,32	IPT	3,97	4,50	CUF	2	J170F2-3635
92,51	1,50	3,48	DMB	1,50	4,11	IPQ	4,00	3,56	CUF	4	J614F4-3642
92,51	1,20	3,43	CUS	1,50	3,84	IPC	3,00	3,43	CUF	4	J91204-3642
92,51	1,20	3,43	CUR	1,50	3,84	IPA	3,00	3,23	CUS	4	JC2404-3642
92,51	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	4	JG1004-3642
92,51	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	6	JG1006-3642
92,51	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	8	JG1008-3642
92,51	1,50	3,43	CNS	1,50	4,11	IUM	4,00	3,38	CNS	4	JG2504-3642
92,51	1,50	3,43	CNS	1,50	4,11	IUM	4,00	3,38	CNS	6	JG2506-3642
92,58	1,59	4,34	IMB	1,59	4,34	IPT	4,76	4,62	CUF	1	J120F1-3645
92,76	1,50	3,43	CNS	1,50	4,11	IUM	4,00	3,38	CNS	4	JG2504-3652
92,76	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	6	JG1006-3652
92,76	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	8	JG1008-3652
92,84	1,59	4,34	IMB	1,59	4,34	IPT	4,76	4,62	CUF	1	J120F1-3655
92,99	1,00	3,20	SNS	1,20	3,81	IUS	2,50	3,30	SNF	4	JG4004-3661
92,99	1,00	3,20	SNS	1,20	3,81	IUS	2,50	3,30	SNF	8	JG4008-3661
92,99	1,00	3,20	SAS	1,20	3,71	SNA	2,50	3,30	SCF	8	JG4108-3661
92,99	1,50	3,63	CUR	1,50	4,09	IPU	3,00	2,97	CUS	6	JC1806-3661
92,99	1,00	3,61	CNS	1,20	4,01	DPE	2,80	3,25	CNF	4	JG1004-3661
92,99	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	6	JG1006-3661
92,99	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	8	JG1008-3661
92,99	1,00	3,51	CUS	1,20	4,22	IPA	2,80	3,30	CUS	1	XC9300
92,99	1,00	3,20	SNS	1,20	3,81	IUS	2,50	3,30	SNF	4	JG4004-3661
92,99	1,00	3,20	SNS	1,20	3,81	IUS	2,50	3,30	SNF	8	JG4008-3661

PISTON RINGS



JE Pistons Ring Chart

	TOP RING			SECOND RING			OIL RING				
Bore IN	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type	# in Set	Ring Set Part Number
92,99	1,00	3,20	SAS	1,20	3,71	SNA	2,50	3,30	SCF	8	JG4108-3661
93,09	1,59	4,34	IMB	1,59	4,34	IPT	4,76	4,62	CUF	1	J120F1-3665
93,09	1,59	4,34	IMB	1,59	4,34	IPT	4,76	4,62	CUF	6	J120F6-3665
93,50	1,00	3,40	CNS	1,20	3,81	DPE	2,80	3,25	CNF	4	JG1004-3681
93,98	1,50	4,11	DMK	1,50	4,11	IPT	4,00	4,11	CUF	4	J630F4-3700
94,01	1,00	3,61	CNS	1,20	4,01	DPE	2,80	3,25	CNF	4	JG1004-3701
94,01	1,00	3,61	CNS	1,20	4,01	DPE	2,80	3,25	CNF	6	JG1006-3701
94,01	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	8	JG1008-3701
94,01	1,00	3,51	CUS	1,20	4,11	IPA	2,80	3,30	CUS	1	XC9400
94,25	1,00	3,40	CNS	1,20	3,81	DPE	2,80	3,25	CNF	4	JG1004-3711
95,00	1,50	4,17	DMK	1,50	4,17	IPT	3,00	3,81	CUF	4	J62004-3740
95,00	1,50	4,06	IPL	1,75	4,06	IPE	3,50	4,06	IPD	6	J650U6-3740
95,00	1,20	3,73	CUS	1,50	4,24	IPA	4,00	3,45	CUS	1	XH9500
95,00	1,20	3,94	DNS	1,50	4,24	IPA	4,00	3,40	CNS	1	XJ9500
95,00	1,20	3,73	CUS	1,50	4,24	IPA	2,00	2,87	CUF	1	XS9500
95,00	1,20	3,73	CUS	2 Ring			2,00	2,87	CUF	1	ZS9500
95,25	1,59	4,17	IMB	1,59	4,17	IPT	4,00	3,43	CUF	1	J180F1-3750
95,25	1,50	4,47	DMH	1,50	4,47	IPT	2,50	3,81	CUF	1	XK3750
95,38	1,50	4,47	DMH	1,50	4,47	IPT	2,50	3,81	CUF	1	XK3755
95,50	1,59	4,17	IMB	1,59	4,17	IPT	4,00	3,56	CUF	1	J180F1-3760
95,50	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	4	JG1006-3760
95,50	1,20	3,58	CUS	1,20	4,22	IFM	2,50	2,87	CUS	6	JC2806-3760
95,50	1,20	3,58	CUS	1,20	4,22	IFM	2,50	2,87	CUS	8	JC2808-3760
95,50	1,20	3,58	CUS	2 Ring			2,50	2,92	CUS	1	JC3201-3760
95,50	0,95	3,23	CNN	1,20	4,32	IPT	2,00	2,69	CUF	1	JG3701-3760
95,50	1,50	4,47	DMH	1,50	4,47	IPT	2,50	3,94	CUF	1	XK3760
95,50	0,95	3,23	CNN	2 Ring			2,00	2,69	CUF	1	ZV9550
95,66	1,59	4,37	DMB	1,59	4,37	IPT	4,76	4,83	CUS	8	J100F8-3766-5
95,76	1,59	4,17	IMB	1,59	4,17	IPT	4,00	3,68	CUF	1	J180F1-3770
95,76	1,20	3,58	CUS	1,20	4,22	IFM	2,50	2,87	CUS	6	JC2806-3770
95,76	1,20	3,58	CUS	1,20	4,22	IFM	2,50	2,87	CUS	8	JC2808-3770
95,99	1,20	3,73	CUS	1,50	4,24	IPA	4,00	3,45	CUS	1	XH9600
95,99	1,20	3,73	CUS	1,50	4,24	IPA	2,00	2,74	CUF	1	XS9600
95,99	0,95	3,23	CNN	2 Ring			2,00	2,69	CUF	1	ZV9600
96,01	1,50	4,19	DMK	1,50	4,19	IPT	3,00	3,81	CUF	4	J62004-3780
96,01	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	4	JG1006-3780
96,01	1,50	4,19	DMK	1,50	4,19	IPT	4,00	3,56	CUF	4	J630F4-3780
96,01	1,20	3,58	CUS	1,20	4,22	IFM	2,50	2,87	CUS	6	JC2806-3780
96,01	1,20	3,58	CUS	1,20	4,22	IFM	2,50	2,87	CUS	8	JC2808-3780
96,01	0,95	3,23	CNN	1,50	4,19	IPT	2,00	2,69	CUF	1	JG5001-3780
96,24	1,20	3,58	CUS	1,20	4,22	IFM	2,50	2,87	CUS	6	JC2806-3789
96,24	1,20	3,58	CUS	1,20	4,22	IFM	2,50	2,87	CUS	8	JC2808-3789
96,42	1,59	4,47	DMK	1,59	4,47	IPT	4,76	4,88	CUF	8	J160F8-3796
96,49	1,20	3,58	CUS	1,20	4,22	IFM	2,50	2,87	CUS	6	JC2806-3799
96,49	1,20	3,58	CUS	1,20	4,22	IFM	2,50	2,87	CUS	8	JC2808-3799
96,52	1,59	4,39	DMB	1,59	4,39	IPT	4,76	4,83	CUS	6	J100L6-3800-5
96,77	1,59	4,52	DMB	1,59	4,52	IPT	4,76	4,83	CUS	4	J100S4-3810-5
96,77	1,59	4,52	DMB	1,59	4,52	IPT	4,76	4,83	CUS	4	J10004-3810-5
96,77	1,59	4,52	DMB	1,59	4,52	IPT	4,76	4,83	CUS	6	J10006-3810-5
96,77	1,50	4,55	DMB	1,50	4,19	IPT	4,00	3,18	CUF	4	J64004-3810
96,98	1,59	4,55	IMH	1,59	4,55	IPT	3,97	4,62	CUF	1	J190F1-3818
97,00	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	4	JG1004-3819
97,00	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	4	JG1006-3819
97,00	1,20	3,73	CUS	1,50	4,34	IPA	4,00	3,51	CUS	1	XH9700
97,00	1,20	3,73	CUS	1,50	4,34	IPA	2,00	3,25	CUF	1	XS9700
97,00	1,20	3,73	CUS	2 Ring			2,00	3,25	CUF	1	ZS9700
97,03	1,59	4,52	DMB	1,59	4,52	IPT	4,76	4,88	CUS	4	J100F4-3820-5
97,03	1,59	4,52	DMB	1,59	4,52	IPT	4,76	4,88	CUS	6	J100F6-3820-5
97,10	1,59	4,55	IMH	1,59	4,55	IPT	3,97	4,75	CUF	1	J190F1-3823
97,10	1,59	4,55	IMH	1,59	4,55	IPT	3,97	4,75	CUF	1	J190F1-3823
97,28	1,59	4,52	DMB	1,59	4,52	IPT	4,76	4,88	CUS	6	J100F6-3830-5
97,28	1,50	4,24	DMH	1,50	4,34	IPT	4,00	3,33	CUS	4	J616F4-3830
97,36	1,59	4,57	IMH	1,59	4,57	IPT	3,97	4,88	CUF	1	J190F1-3833
97,36	1,59	4,57	IMH	1,59	4,57	IPT	3,97	4,88	CUF	1	J190F1-3833
97,36	1,20	3,73	CUS	1,50	4,34	IPA	4,00	4,04	CUS	1	XH9735
97,49	1,20	3,73	CUS	1,50	4,34	IPA	4,00	3,51	CUS	1	XH9750
97,61	1,59	4,57	IMH	1,59	4,57	IPT	3,97	4,75	CUF	1	J190F1-3843

PISTON RINGS



JE Pistons Ring Chart

Bore IN	TOP RING Axial Height (mm)	TOP RING Radial Width (mm)	TOP RING Type	SECOND RING Axial Height (mm)	SECOND RING Radial Width (mm)	SECOND RING Type	OIL RING Axial Height (mm)	OIL RING Radial Width (mm)	OIL RING Type	# in Set	Ring Set Part Number
97,61	1,59	4,57	IMH	1,59	4,57	IPT	3,97	4,75	CUF	1	J190F1-3843
97,61	1,20	3,73	CUS	1,50	4,34	IPA	4,00	4,04	CUS	1	XH9761
97,99	1,50	4,24	IPL	1,50	4,24	IPL	3,00	3,96	IPD	6	J612U6-3858
97,99	1,20	3,73	CUS	1,50	4,34	IPA	4,00	3,51	CUS	1	XH9800
97,99	1,20	3,73	CUS	1,50	4,34	IPA	2,00	3,25	CUF	1	XS9800
97,99	0,95	3,23	CNN	2 Ring			2,00	2,69	CUF	1	ZV9800
98,43	1,59	4,65	IMH	1,59	4,65	IPT	4,76	4,88	CUF	6	J150F6-3875-5
98,43	1,50	4,60	DMH	1,50	4,60	IPT	2,50	3,81	CUF	1	XK3875
98,55	1,50	4,60	DMH	1,50	4,60	IPT	2,50	3,81	CUF	1	XK3880
99,01	0,95	3,23	CNN	1,50	4,19	IPT	2,00	2,69	CUF	1	JG5001-3898
99,01	0,95	3,23	CNN	2 Ring			2,00	2,69	CUF	1	ZV9900
99,06	1,50	3,68	CMR	1,50	4,19	IPT	3,00	3,81	CUF	8	J68008-3900-3
99,19	1,50	3,61	CNR	1,50	4,01	IPQ	3,00	3,81	CUF	8	JG6008-3905
99,31	1,50	3,84	CMR	1,50	4,27	IPT	3,00	3,94	CUF	8	J68008-3910-3
99,49	1,20	3,73	CUS	1,50	4,22	IPT	2,80	3,56	CUF	4	JC14F4-3917
99,50	1,00	3,40	CNS	1,20	3,81	DPE	2,80	3,25	CNF	4	JG1006-3917
99,77	1,20	3,71	CUS	1,20	4,34	IPT	2,50	2,92	CUS	4	JC4404-3928
99,77	1,20	3,71	CUS	1,20	4,34	IPT	2,50	2,92	CUS	6	JC4406-3928
100,00	1,50	4,19	IPA	1,75	4,19	IPE	3,00	3,81	IPD	6	J660U6-3937
100,00	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	4	JG1006-3937
100,00	0,95	3,23	CNN	1,20	4,32	IPT	2,00	2,69	CUF	1	JG3701-3937
100,00	1,20	3,94	CUS	1,50	4,45	IPA	4,00	4,06	CUS	1	XH10000
100,00	1,20	3,94	CUS	1,50	4,45	IPA	2,00	3,25	CUF	1	XS10000
100,00	0,95	3,23	CNN	2 Ring			2,00	2,69	CUF	1	ZV10000
100,03	1,20	3,73	CUS	1,20	4,32	IPT	2,50	3,05	CUS	4	JC4404-3938
100,03	1,20	3,73	CUS	1,20	4,32	IPT	2,50	3,05	CUS	6	JC4406-3938
100,50	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	4	JG1004-3957
100,50	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	6	JG1006-3957
101,00	1,00	3,61	CNS	1,20	3,91	DPE	2,80	3,25	CNF	4	JG1004-3976
101,00	1,20	3,94	CUS	1,50	4,45	IPA	4,00	4,06	CUS	1	XH10100
101,00	1,20	3,91	CUS	1,50	4,42	IPA	2,00	3,25	CUF	1	XS10100
101,60	1,59	4,75	DMB	1,59	4,75	IPT	4,76	4,83	CUS	8	J100F8-4000-5
101,60	1,59	4,75	DMB	1,59	4,37	DPE	4,76	3,81	CUF	8	J10308-4000-5
101,60	1,59	4,75	DMB	1,59	4,37	DPE	4,76	4,83	CUS	8	J103F8-4000-5
101,60	1,59	4,75	DMB	1,59	4,75	IPT	3,18	4,67	CUS	8	J130F8-4000-5
101,60	1,09	4,75	DMB	1,59	4,75	IPT	4,76	3,81	CUF	8	J20008-4000-5
101,60	1,59	4,75	DMB	1,59	4,75	IPT	3,00	3,86	CUF	8	J30008-4000-5
101,60	1,59	4,75	DMB	1,59	4,75	IPG	4,76	3,81	CUF	8	J50008-4000-5
101,60	1,59	4,75	DMB	1,59	4,75	IPG	4,76	4,83	CUS	8	J500F8-4000-5
101,60	1,50	4,06	DMR	1,50	4,14	IPC	3,00	3,86	CUF	8	J60008-4000-5
101,60	1,50	4,06	DMR	1,50	4,19	IPC	3,00	3,86	CUF	8	J60D08-4000-5
101,60	1,50	4,06	DMR	1,50	4,32	IPE	3,00	3,86	CUF	8	J61908-4000-5
101,60	1,09	4,09	CMK	1,09	4,32	DPE	3,00	3,86	CUF	8	J71408-4000-5
101,60	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,86	CUF	8	J75008-4000-5
101,60	1,20	3,68	CMR	1,50	4,19	IPC	3,00	3,86	CUF	8	J75108-4000-5
101,60	1,59	4,75	HPB	1,59	4,75	IPT	4,76	3,81	CUF	8	J82008-4000-5
101,60	1,59	4,75	HPB	1,59	4,75	IPT	4,76	4,83	CUS	8	J820F8-4000-5
101,60	1,20	3,68	CMR	1,20	3,96	DPE	3,00	3,86	CUF	8	J92608-4000-5
101,60	1,20	3,86	SGR	1,59	4,75	IPT	3,00	3,86	CUF	8	J95008-4000-3
101,60	1,20	3,81	CNR	1,50	4,32	IPE	3,00	3,86	CUF	6	JG3106-4000-7
101,60	1,20	3,81	CNR	1,50	4,32	IPE	3,00	3,86	CUF	8	JG3108-4000-7
101,60	1,59	4,75	DMB	1,59	4,75	IPT	4,76	3,81	CUF	8	J10008-4000-5
101,60	1,20	3,81	CNR	1,50	4,14	IPC	3,00	3,86	CUF	6	JG3406-4000-7
101,60	1,20	3,81	CNR	1,50	4,19	IPC	3,00	3,86	CUF	8	JG3408-4000-7
101,60	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,86	CUF	8	JG7708-4000-5
101,85	1,59	4,75	DMB	1,59	4,75	IPT	4,76	4,83	CUS	8	J100F8-4010-0
101,85	1,59	4,75	DMB	1,59	4,75	IPT	3,00	3,86	CUF	8	J30008-4010-0
101,85	1,59	4,75	DMB	1,59	4,75	IPT	4,76	3,94	CUF	8	J10008-4010-0
101,85	1,20	3,84	CNR	1,50	4,32	IPC	3,00	3,86	CUF	8	JG3108-4010-4
101,85	1,20	3,84	CNR	1,20	3,94	DPE	3,00	3,86	CUF	8	JG3308-4010-4
102,01	1,50	4,19	IPA	1,75	4,19	IPE	3,00	3,81	IPD	6	J660U6-4016
102,01	1,20	3,91	CUS	2 Ring			2,00	3,25	CUF	1	JC3401-4016
102,01	1,00	3,40	CNS	1,20	3,81	DPE	2,80	3,25	CNF	4	JG1004-4016
102,01	1,20	3,94	CUS	1,50	4,45	IPA	4,00	4,06	CUS	1	XH10200
102,01	1,20	3,94	CUS	1,50	4,45	IPA	2,00	3,25	CUF	1	XS10200
102,11	1,59	4,75	DMB	1,59	4,75	IPT	4,76	4,83	CUS	8	J100F8-4020-5
102,11	1,59	4,75	DMB	1,59	4,75	IPT	3,00	3,86	CUF	8	J30008-4020-5

PISTON RINGS



JE Pistons Ring Chart

Bore IN	TOP RING Axial Height (mm)	TOP RING Radial Width (mm)	TOP RING Type	SECOND RING Axial Height (mm)	SECOND RING Radial Width (mm)	SECOND RING Type	OIL RING Axial Height (mm)	OIL RING Radial Width (mm)	OIL RING Type	# in Set	Ring Set Part Number
102,11	1,59	4,75	DMB	1,59	4,75	IPG	4,76	3,81	CUF	8	J50008-4020-5
102,11	1,59	4,75	DMB	1,59	4,75	IPG	4,76	4,83	CUS	8	J500F8-4020-5
102,11	1,50	4,06	DMR	1,50	4,32	IPE	3,00	3,86	CUF	8	J61908-4020-5
102,11	1,09	4,06	DMR	1,09	4,19	IPC	3,00	3,86	CUF	8	J70008-4020-5
102,11	1,09	4,06	DMR	1,50	4,19	IPC	3,00	3,86	CUF	8	J70T08-4020-5
102,11	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,86	CUF	8	J75008-4020-5
102,11	1,20	3,71	CMR	1,20	3,94	DPE	3,00	3,86	CUF	8	J92608-4020-5
102,11	1,59	4,75	DMB	1,59	4,75	IPT	4,76	3,81	CUF	8	J10008-4020-5
102,11	1,59	4,80	DMB	1,59	4,80	IPT	4,76	4,88	CUF	8	S100S8-4020-5
102,11	1,09	4,09	CMK	1,09	4,32	DPE	3,00	3,86	CUF	8	J71408-4020-5
102,11	1,20	3,81	CNR	1,50	4,32	IPE	3,00	3,86	CUF	8	JG3108-4020-2
102,11	1,09	4,34	CNR	1,09	4,37	DPE	3,00	3,86	CUF	8	JG7708-4020-5
102,36	1,59	4,75	DMB	1,59	4,75	IPT	4,76	4,83	CUS	8	J100F8-4030-5
102,36	1,59	4,75	DMB	1,59	4,42	DPE	4,76	3,81	CUF	8	J10308-4030-5
102,36	1,59	4,75	DMB	1,59	4,42	DPE	4,76	4,83	CUS	8	J103F8-4030-5
102,36	1,59	4,75	DMB	1,59	4,75	IPT	3,18	4,88	CUF	8	J13008-4030-5
102,36	1,59	4,75	DMB	1,59	4,75	IPT	3,18	4,83	CUS	8	J130F8-4030-5
102,36	1,59	4,75	DMB	1,59	4,75	IPT	3,00	3,86	CUF	8	J30008-4030-5
102,36	1,59	4,75	DMB	1,59	4,75	IPT	3,00	3,71	CUF	8	J300F8-4030-5
102,36	1,59	4,75	DMB	1,59	4,75	IPG	4,76	3,81	CUF	8	J50008-4030-5
102,36	1,59	4,75	DMB	1,59	4,75	IPG	4,76	4,83	CUS	8	J500F8-4030-5
102,36	1,50	4,06	DMR	1,09	4,19	IPC	3,00	3,86	CUF	8	J60108-4030-5
102,36	1,50	4,06	DMR	1,09	4,19	IPC	3,00	3,71	CUF	8	J601F8-4030-5
102,36	1,09	4,09	CMK	1,09	4,32	DPE	3,00	3,86	CUF	8	J71408-4030-5
102,36	1,09	4,09	CMK	1,09	4,32	DPE	3,00	3,86	CUF	8	J714F8-4030-5
102,36	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,86	CUF	8	J75008-4030-5
102,36	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,71	CUF	8	J750F8-4030-5
102,36	1,20	3,68	CMR	1,50	4,14	IPC	3,00	3,86	CUF	8	J75108-4030-5
102,36	1,59	4,75	HPB	1,59	4,75	IPT	4,76	3,81	CUF	8	J82008-4030-5
102,36	1,59	4,75	HPB	1,59	4,75	IPT	4,76	4,83	CUS	8	J820F8-4030-5
102,36	1,09	4,75	HPB	1,59	4,75	IPT	4,76	4,83	CUS	8	J840F8-4030-5
102,36	1,20	4,06	DMR	1,09	4,19	IPC	3,00	3,86	CUF	8	J91108-4030-5
102,36	1,20	4,06	DMR	1,09	4,19	IPC	3,00	3,71	CUF	8	J911F8-4030-5
102,36	1,20	3,71	CMR	1,20	3,94	DPE	3,00	3,86	CUF	8	J92608-4030-5
102,36	1,20	3,68	CMR	1,20	3,94	DPE	3,00	3,71	CUF	8	J926F8-4030-5
102,36	1,20	3,86	SGR	1,59	4,75	IPT	3,00	3,86	CUF	8	J95008-4030-3
102,36	1,20	3,86	SGR	1,59	4,75	IPT	3,00	3,71	CUF	8	J950F8-4030-3
102,36	1,20	3,81	CNR	1,50	4,32	IPE	3,00	3,71	CUF	6	JG31F6-4030-2
102,36	1,20	3,81	CNR	1,50	4,32	IPE	3,00	3,71	CUF	8	JG31F8-4030-2
102,36	1,20	3,81	CNR	1,50	3,94	IPE	3,00	3,86	CUF	8	JG3308-4030-2
102,36	1,59	4,75	DMB	1,59	4,75	IPT	4,76	3,81	CUF	8	J10008-4030-5
102,36	1,59	4,80	DMB	1,59	4,80	IPT	4,76	4,88	CUF	8	S100S8-4030-5
102,36	1,09	4,34	CNR	1,59	4,75	IPT	3,00	3,71	HCUF	8	JG76F8-4030-5
102,36	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,86	CUF	8	JG7708-4030-5
102,36	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,71	CUF	8	JG77F8-4030-5
102,62	1,59	4,75	DMB	1,59	4,75	IPT	4,76	4,83	CUS	8	J100F8-4040-5
102,62	1,59	4,75	DMB	1,59	4,42	DPE	4,76	3,81	CUF	8	J10308-4040-5
102,62	1,59	4,75	DMB	1,59	4,42	DPE	4,76	4,83	CUS	8	J103F8-4040-5
102,62	1,59	4,75	DMB	1,59	4,75	IPT	3,00	3,86	CUF	8	J30008-4040-5
102,62	1,59	4,75	DMB	1,59	4,75	IPT	3,00	3,71	CUF	8	J300F8-4040-5
102,62	1,59	4,75	DMB	1,59	4,75	IPG	4,76	3,81	CUF	8	J50008-4040-5
102,62	1,59	4,75	DMB	1,59	4,75	IPG	4,76	4,83	CUS	8	J500F8-4040-5
102,62	1,09	4,09	CMK	1,09	4,32	DPE	3,00	3,86	CUF	8	J71408-4040-5
102,62	1,09	4,09	CMK	1,09	4,32	DPE	3,00	3,86	CUF	8	J714F8-4040-5
102,62	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,86	CUF	8	J75008-4040-5
102,62	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,94	CUF	8	J750F8-4040-5
102,62	1,20	3,68	CMR	1,50	4,14	IPC	3,00	3,86	CUF	8	J75108-4040-5
102,62	1,59	4,75	HPB	1,59	4,75	IPT	4,76	3,81	CUF	8	J82008-4040-5
102,62	1,59	4,75	HPB	1,59	4,75	IPT	4,76	4,83	CUS	8	J820F8-4040-5
102,62	1,20	4,06	DMR	1,09	4,19	IPC	3,00	3,86	CUF	8	J91108-4040-5
102,62	1,20	4,06	DMR	1,09	4,19	IPC	3,00	3,71	CUF	8	J911F8-4040-5
102,62	1,20	3,71	CMR	1,20	3,96	DPE	3,00	3,86	CUF	8	J92608-4040-5
102,62	1,20	3,68	CMR	1,20	3,71	DPE	3,00	3,94	CUF	8	J926F8-4040-5
102,62	1,20	3,81	CNR	1,50	4,32	IPE	3,00	3,71	CUF	6	JG31F6-4040-2
102,62	1,20	3,81	CNR	1,50	4,32	IPE	3,00	3,71	CUF	8	JG31F8-4040-2
102,62	1,20	3,81	CNR	1,50	3,96	DPE	3,00	3,71	CUF	8	JG33F8-4040-2

PISTON RINGS



JE Pistons Ring Chart

Bore IN	TOP RING			SECOND RING			OIL RING			# in Set	Ring Set Part Number
	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type		
102,62	1,59	4,75	DMB	1,59	4,75	IPT	4,76	3,81	CUF	8	J10008-4040-5
102,62	1,59	4,83	DMB	1,59	4,85	IPT	4,76	4,75	CUF	8	S100S8-4040-5
102,62	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,71	HCUF	8	JG77F8-4040-5
102,62	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,86	CUF	8	JG7708-4040-5
102,87	1,20	3,71	CMR	1,20	3,96	DPE	3,00	3,86	CUF	8	J92608-4050-5
103,12	1,59	4,75	DMB	1,59	4,75	IPT	4,76	4,83	CUS	8	J100F8-4060-5
103,12	1,59	4,75	DMB	1,59	4,42	DPE	4,76	3,81	CUF	8	J10308-4060-5
103,12	1,59	4,75	DMB	1,59	4,42	DPE	4,76	4,83	CUS	8	J103F8-4060-5
103,12	1,59	4,75	DMB	1,59	4,75	IPT	3,00	3,86	CUF	8	J30008-4060-5
103,12	1,59	4,75	DMB	1,59	4,75	IPT	3,00	3,71	CUF	8	J300F8-4060-5
103,12	1,59	4,75	DMB	1,59	4,75	IPG	4,76	3,81	CUF	8	J50008-4060-5
103,12	1,59	4,75	DMB	1,59	4,75	IPG	4,76	4,83	CUS	8	J500F8-4060-5
103,12	1,09	4,06	DMR	1,50	4,19	IPC	3,00	3,86	CUF	8	J70D08-4060-5
103,12	1,09	4,09	CMK	1,09	4,32	DPE	3,00	3,86	CUF	8	J71408-4060-5
103,12	1,09	4,09	CMK	1,09	4,32	DPE	3,00	3,86	CUF	8	J714F8-4060-5
103,12	1,09	4,06	DMR	1,09	4,19	IPC	4,76	4,83	CUS	8	J720F8-4060-5
103,12	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,86	CUF	8	J75008-4060-5
103,12	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,71	CUF	8	J750F8-4060-5
103,12	1,09	4,06	DMR	1,59	4,75	IPT	4,76	3,86	CUF	8	J76008-4060-5
103,12	1,09	4,06	DMR	1,59	4,75	IPT	4,76	3,71	CUF	8	J760F8-4060-5
103,12	1,59	4,75	HPB	1,59	4,75	IPT	4,76	3,81	CUF	8	J82008-4060-5
103,12	1,59	4,75	HPB	1,59	4,75	IPT	4,76	4,83	CUS	8	J820F8-4060-5
103,12	1,20	4,06	DMR	1,09	4,19	IPC	3,00	3,86	CUF	8	J91108-4060-5
103,12	1,20	4,06	DMR	1,09	4,19	IPC	3,00	3,71	CUF	8	J911F8-4060-5
103,12	1,20	3,71	CMR	1,20	3,94	DPE	3,00	3,86	CUF	8	J92608-4060-5
103,12	1,59	4,75	DMB	1,59	4,75	IPT	4,76	3,81	CUF	8	J10008-4060-5
103,12	1,59	4,83	DMB	1,59	4,85	IPT	4,76	4,75	CUF	8	S100S8-4060-5
103,12	1,20	3,81	CNR	1,50	4,32	IPE	3,00	3,86	CUF	8	JG3108-4060-0
103,12	1,20	3,81	CNR	1,50	4,32	IPE	3,00	3,71	CUF	8	JG31F8-4060-0
103,12	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,71	HCUF	8	JG77F8-4060-5
103,12	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,86	CUF	8	JG7708-4060-5
103,38	1,59	4,80	DMB	1,59	4,80	IPT	4,76	4,83	CUS	8	J100F8-4070-5
103,38	1,59	4,80	DMB	1,59	4,80	IPT	4,76	3,94	CUF	8	J100L8-4070-5
103,38	1,59	4,80	DMB	1,59	4,80	IPT	3,00	3,86	CUF	8	J30008-4070-5
103,38	1,20	3,68	CMR	1,20	3,94	DPE	3,00	3,86	CUF	8	J92608-4070-5
103,38	1,20	3,81	CNR	1,50	4,32	IPE	3,00	3,86	CUF	8	JG31F8-4070-0
103,51	1,20	3,81	CNR	1,50	4,32	IPE	3,00	3,86	CUF	8	JG3108-4075-5
103,51	1,20	3,81	CNR	1,50	4,45	IPE	3,00	3,86	CUF	8	JG31F8-4075-5
103,63	1,59	4,80	DMB	1,59	4,80	IPT	4,76	4,83	CUS	8	J100F8-4080-5
103,63	1,59	4,80	DMB	1,59	4,80	IPT	3,00	3,86	CUF	8	J30008-4080-5
103,63	1,59	4,80	DMB	1,59	4,80	IPG	4,76	3,81	CUF	8	J50008-4080-5
103,63	1,59	4,80	DMB	1,59	4,80	IPG	4,76	4,83	CUS	8	J500F8-4080-5
103,63	1,50	4,06	DMR	1,50	4,32	IPE	3,00	3,86	CUF	8	J61908-4080-5
103,63	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,86	CUF	8	J75008-4080-5
103,63	1,20	4,06	DMR	1,09	4,19	IPC	3,00	3,86	CUF	8	J91108-4080-5
103,63	1,59	4,80	DMB	1,59	4,80	IPT	4,76	3,81	CUF	8	J10008-4080-5
104,01	1,59	4,85	DMB	1,59	4,85	IPT	3,00	3,86	CUF	8	J30008-4095-5
104,65	1,59	4,88	DMB	1,59	4,90	IPT	4,76	4,83	CUS	8	J100F8-4120-5
104,65	1,59	4,88	DMB	1,59	4,90	IPT	3,00	3,81	CUF	8	J30008-4120-5
104,65	1,59	4,88	DMB	1,59	4,90	IPG	4,76	3,81	CUF	8	J50008-4120-5
104,65	1,59	4,88	DMB	1,59	4,90	IPG	4,76	4,83	CUS	8	J500F8-4120-5
104,65	1,09	4,06	DMR	1,09	4,32	IPC	3,00	3,81	CUF	8	J70008-4120-5
104,65	1,09	4,06	DMR	1,50	4,24	IPC	3,00	3,81	CUF	8	J70D08-4120-5
104,65	1,09	4,06	DMR	1,50	4,24	IPC	3,00	3,81	CUF	8	J70T08-4120-5
104,65	1,09	4,06	DMR	1,50	4,24	IPC	3,00	3,94	CUF	8	J70TF8-4120-5
104,65	1,20	3,91	CUS	1,50	4,24	IPC	3,00	3,81	CUF	8	J91208-4120-3
104,65	1,20	3,91	CUS	1,50	4,24	IPC	3,00	3,94	CUF	8	J912F8-4120-3
104,65	1,59	4,88	DMB	1,59	4,90	IPT	4,76	3,81	CUF	8	J10008-4120-5
104,78	1,59	4,88	DMB	1,59	4,90	IPT	4,76	4,83	CUS	8	J100F8-4125-5
104,78	1,59	4,88	DMB	1,59	4,90	IMT	4,76	3,81	CUF	8	J10208-4125-5
104,78	1,59	4,88	DMB	1,59	4,47	DPE	4,76	3,81	CUF	8	J10308-4125-5
104,78	1,59	4,88	DMB	1,59	4,47	DPE	4,76	4,83	CUS	8	J103F8-4125-5
104,78	1,09	4,90	DMB	1,59	4,90	IPT	4,76	3,81	CUF	8	J20008-4125-5
104,78	1,09	4,90	DMB	1,59	4,90	IPT	4,76	4,83	CUS	8	J200F8-4125-5
104,78	1,59	4,88	DMB	1,59	4,90	IPT	3,00	3,81	CUF	8	J30008-4125-5
104,78	1,59	4,88	DMB	1,59	4,90	IPT	3,00	3,94	CUF	8	J300F8-4125-5
104,78	1,09	4,90	DMB	1,59	4,90	IPT	3,00	3,86	CUF	8	J40008-4125-5

PISTON RINGS



JE Pistons Ring Chart

Bore IN	TOP RING			SECOND RING			OIL RING			# in Set	Ring Set Part Number
	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type		
104,78	1,09	4,90	DMB	1,59	4,90	IPT	3,00	3,94	CUF	8	J400F8-4125-5
104,78	1,59	4,88	DMB	1,59	4,90	IPG	4,76	3,81	CUF	8	J50008-4125-5
104,78	1,59	4,88	DMB	1,59	4,90	IPG	4,76	4,83	CUS	8	J500F8-4125-5
104,78	1,50	4,06	DMR	1,50	4,32	IPC	3,00	3,86	CUF	8	J60D08-4125-5
104,78	1,50	4,06	DMR	1,50	4,32	IPE	3,00	3,86	CUF	8	J61908-4125-5
104,78	1,50	4,06	DMR	1,50	4,24	IPC	4,76	3,81	CUF	8	J69008-4125-5
104,78	1,50	4,06	DMR	1,50	4,24	IPC	4,76	4,83	CUS	8	J690F8-4125-5
104,78	1,09	4,06	DMR	1,50	4,32	IPC	3,00	3,81	CUF	8	J70D08-4125-5
104,78	1,09	4,06	DMR	1,50	4,24	IPC	3,00	3,81	CUF	8	J70T08-4125-5
104,78	1,09	4,09	CMK	1,09	4,32	DPE	3,00	3,86	CUF	8	J71408-4125-5
104,78	1,09	4,09	CMK	1,09	4,32	DPE	3,00	3,86	CUF	8	J714F8-4125-5
104,78	1,09	4,06	DMR	1,09	4,32	IPC	4,76	3,81	CUF	8	J72008-4125-5
104,78	1,09	4,06	DMR	1,09	4,32	IPC	4,76	4,83	CUS	8	J720F8-4125-5
104,78	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,81	CUF	8	J75008-4125-5
104,78	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,94	CUF	8	J750F8-4125-5
104,78	1,20	3,68	CMR	1,50	4,24	IPC	3,00	3,86	CUF	8	J75108-4125-5
104,78	1,20	3,68	CMR	1,50	4,32	IPC	3,00	3,94	CUF	8	J751F8-4125-5
104,78	1,09	4,06	DMR	1,59	4,90	IPT	4,76	3,81	CUF	8	J76008-4125-5
104,78	1,09	4,06	DMR	1,59	4,90	IPT	4,76	3,94	CUF	8	J760F8-4125-5
104,78	1,59	4,88	HPB	1,59	4,90	IPT	4,76	3,81	CUF	8	J82008-4125-5
104,78	1,59	4,88	HPB	1,59	4,90	IPT	4,76	4,83	CUS	8	J820F8-4125-5
104,78	1,20	3,81	CNR	1,20	3,96	DPE	3,00	3,86	CUF	8	J92308-4125-2
104,78	1,20	3,81	CNR	1,50	4,24	IPC	3,00	3,81	CUF	8	J925F8-4125-3
104,78	1,20	3,71	CMR	1,20	3,96	DPE	3,00	3,81	CUF	8	J92608-4125-5
104,78	1,20	3,68	CMR	1,20	3,96	DPE	3,00	3,94	CUF	8	J926F8-4125-5
104,78	1,20	3,68	CMR	1,09	4,32	IPC	3,00	3,94	CUF	8	J941F8-4125-5
104,78	1,20	3,81	CNR	1,50	4,32	IPE	3,00	3,94	CUF	8	JG31F8-4125-2
104,78	1,20	3,81	CNR	1,50	3,96	IPE	3,00	3,86	CUF	8	JG3308-4125-2
104,78	1,59	4,88	DMB	1,59	4,90	IPT	4,76	3,81	CUF	8	J10008-4125-5
104,78	1,59	4,90	DMB	1,59	4,93	IPT	4,76	4,75	CUF	8	S100S8-4125-5
104,78	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,81	CUF	8	JG7708-4125-5
104,78	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,94	CUF	8	JG77F8-4125-5
104,90	1,59	4,90	DMB	1,59	4,90	IPT	4,76	4,83	CUS	8	J100F8-4130-5
104,90	1,59	4,88	DMB	1,59	4,90	IPT	3,00	3,86	CUF	8	J30008-4130-5
104,90	1,59	4,90	DMB	1,59	4,90	IPG	4,76	3,81	CUF	8	J50008-4130-5
104,90	1,59	4,90	DMB	1,59	4,90	IPG	4,76	4,83	CUS	8	J500F8-4130-5
104,90	1,50	4,06	DMR	1,50	4,24	IPC	4,76	3,81	CUF	8	J69008-4130-0
104,90	1,09	4,06	DMR	1,09	4,32	IPC	3,00	3,86	CUF	8	J70008-4130-5
104,90	1,09	4,06	DMR	1,50	4,32	IPC	3,00	3,86	CUF	8	J70D08-4130-5
104,90	1,09	4,06	DMR	1,50	4,24	IPC	3,00	3,86	CUS	8	J70T08-4130-5
104,90	1,09	4,09	CMK	1,09	4,32	DPE	3,00	3,86	CUF	8	J71408-4130-5
104,90	1,09	4,06	DMR	1,09	4,32	IPC	4,76	3,81	CUF	8	J72008-4130-5
104,90	1,09	4,06	DMR	1,09	4,32	IPC	4,76	4,83	CUS	8	J720F8-4130-5
104,90	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,86	CUF	8	J75008-4130-5
104,90	1,09	4,06	DMR	1,59	4,90	IPT	4,76	3,86	CUF	8	J76008-4130-5
104,90	1,59	4,90	DMB	1,59	4,90	IPT	4,76	3,81	CUF	8	J10008-4130-5
104,90	1,09	4,34	CNR	1,09	4,50	DPE	3,00	3,86	CUF	8	JG7708-4130-5
105,03	1,59	4,90	DMB	1,59	4,90	IPT	4,76	4,83	CUS	8	J100F8-4135-5
105,03	1,59	4,90	DMB	1,59	4,90	IPT	3,18	4,70	CUF	8	J13008-4135-5
105,03	1,59	4,90	DMB	1,59	4,90	IPT	3,00	3,86	CUF	8	J30008-4135-5
105,03	1,59	4,90	DMB	1,59	4,90	IPT	3,00	3,91	CUF	8	J300F8-4135-5
105,03	1,59	4,90	DMB	1,59	4,90	IPG	4,76	3,81	CUF	8	J50008-4135-5
105,03	1,59	4,90	DMB	1,59	4,90	IPG	4,76	4,83	CUS	8	J500F8-4135-5
105,03	1,09	4,06	DMR	1,50	4,24	IPC	3,00	3,86	CUF	8	J70T08-4135-5
105,03	1,09	4,06	DMR	1,50	4,24	IPC	3,00	3,91	CUF	8	J70TF8-4135-5
105,03	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,86	CUF	8	J75008-4135-5
105,03	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,91	CUF	8	J750F8-4135-5
105,03	1,09	4,06	DMR	1,59	4,90	IPT	4,76	3,86	CUF	8	J76008-4135-5
105,03	1,20	3,91	CUS	1,50	4,24	IPC	3,00	3,91	CUF	8	J912F8-4135-3
105,03	1,20	3,81	CNR	1,20	3,96	DPE	3,00	3,86	CUF	8	J92308-4135-2
105,03	1,20	3,81	CNR	1,50	4,24	IPC	3,00	3,86	CUF	8	J92508-4135-2
105,03	1,20	3,68	CMR	1,20	3,96	DPE	3,00	3,86	CUF	8	J92608-4135-5
105,03	1,20	3,68	CMR	1,50	4,24	IPC	4,76	3,81	CUF	8	J96108-4135-5
105,03	1,20	3,81	CNR	1,50	4,32	IPE	3,00	3,91	CUF	8	JG31F8-4135-2
105,03	1,59	4,90	DMB	1,59	4,90	IPT	4,76	3,81	CUF	8	J10008-4135-5
105,03	1,50	3,61	CNR	1,50	4,32	IPE	3,00	3,86	CUF	8	JG6008-4135-5
105,03	1,50	3,61	CNR	1,50	4,32	IPE	3,00	3,91	CUF	8	JG60F8-4135-5

PISTON RINGS



JE Pistons Ring Chart

Bore IN	TOP RING			SECOND RING			OIL RING			# in Set	Ring Set Part Number
	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type		
105,03	1,09	4,34	CNR	1,09	4,50	DPE	3,00	3,86	CUF	8	JG7708-4135-5
105,03	1,09	4,34	CNR	1,09	4,50	DPE	3,00	3,91	CUF	8	JG77F8-4135-5
105,28	1,59	4,88	DMB	1,59	4,90	IPT	4,76	4,83	CUS	8	J100F8-4145-5
105,28	1,59	4,88	DMB	1,59	4,90	IPT	3,00	3,86	CUF	8	J30008-4145-5
105,28	1,59	4,88	DMB	1,59	4,90	IPT	3,00	3,94	CUF	8	J300F8-4145-5
105,28	1,59	4,88	DMB	1,59	4,90	IPG	4,76	3,81	CUF	8	J50008-4145-5
105,28	1,59	4,88	DMB	1,59	4,90	IPG	4,76	4,83	CUS	8	J500F8-4145-5
105,28	1,09	4,06	DMR	1,50	4,24	IPC	3,00	3,86	CUF	8	J70T08-4145-5
105,28	1,09	4,06	DMR	1,50	4,24	IPC	3,00	3,94	CUF	8	J70TF8-4145-5
105,28	1,09	4,09	CMK	1,09	4,32	DPE	3,00	3,86	CUF	8	J71408-4145-5
105,28	1,09	4,09	CMK	1,09	4,32	DPE	3,00	3,86	CUF	8	J714F8-4145-5
105,28	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,86	CUF	8	J75008-4145-5
105,28	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,94	CUF	8	J750F8-4145-5
105,28	1,20	3,68	CMR	1,50	4,32	IPC	3,00	3,86	CUF	8	J75108-4145-5
105,28	1,20	3,68	CMR	1,50	4,24	IPC	3,00	3,94	CUF	8	J751F8-4145-5
105,28	1,20	4,11	CUS	1,50	4,24	IPC	3,00	3,86	CUF	8	J91208-4145-3
105,28	1,20	4,11	CUS	1,50	4,24	IPC	3,00	3,94	CUF	8	J912F8-4145-3
105,28	1,20	3,68	CMR	1,20	3,94	DPE	3,00	3,86	CUF	8	J92608-4145-5
105,28	1,20	3,68	CMR	1,20	3,94	DPE	3,00	3,94	CUF	8	J926F8-4145-5
105,28	1,59	4,88	DMB	1,59	4,90	IPT	4,76	3,81	CUF	8	J10008-4145-5
105,28	1,59	4,95	DMB	1,59	4,95	IPT	4,76	4,75	CUF	8	S100S8-4145-5
105,28	1,09	4,34	CNR	1,09	4,50	DPE	3,00	3,86	CUF	8	JG7708-4145-5
105,28	1,09	4,34	CNR	1,09	4,50	DPE	3,00	3,81	CUF	8	JG77F8-4145-5
105,41	1,09	4,06	DMR	1,50	4,24	IPC	3,00	3,86	CUF	8	J70T08-4150-5
105,41	1,09	4,06	DMR	1,50	4,24	IPC	3,00	3,94	CUF	8	J70TF8-4150-5
105,54	1,59	4,88	DMB	1,59	4,90	IPT	4,76	4,83	CUS	8	J100F8-4155-5
105,54	1,59	4,88	DMB	1,59	4,52	DPE	4,76	3,81	CUF	8	J10308-4155-5
105,54	1,59	4,88	DMB	1,59	4,52	DPE	4,76	4,83	CUS	8	J103F8-4155-5
105,54	1,59	4,88	DMB	1,59	4,90	IPT	3,00	3,86	CUF	8	J30008-4155-5
105,54	1,59	4,88	DMB	1,59	4,90	IPT	3,00	3,94	CUF	8	J300F8-4155-5
105,54	1,59	4,88	DMB	1,59	4,90	IPG	4,76	3,81	CUF	8	J50008-4155-5
105,54	1,59	4,88	DMB	1,59	4,90	IPG	4,76	4,83	CUS	8	J500F8-4155-5
105,54	1,50	4,06	DMR	1,50	4,24	IPC	3,00	3,86	CUF	8	J60008-4155-0
105,54	1,50	4,06	DMR	1,50	4,24	IPC	3,00	3,94	CUF	8	J600F8-4155-0
105,54	1,50	4,06	DMR	1,50	4,24	IPC	4,76	3,81	CUF	8	J69008-4155-0
105,54	1,50	4,06	DMR	1,50	4,24	IPC	4,76	4,83	CUS	8	J690F8-4155-0
105,54	1,09	4,09	CMK	1,09	4,32	DPE	3,00	3,86	CUF	8	J71408-4155-5
105,54	1,09	4,09	CMK	1,09	4,32	DPE	3,00	3,86	CUF	8	J714F8-4155-5
105,54	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,86	CUF	8	J75008-4155-5
105,54	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,94	CUF	8	J750F8-4155-5
105,54	1,20	3,68	CMR	1,50	4,24	IPC	3,00	3,86	CUF	8	J75108-4155-5
105,54	1,59	4,88	HPB	1,59	4,90	IPT	4,76	3,81	CUF	8	J82008-4155-5
105,54	1,59	4,88	HPB	1,59	4,90	IPT	4,76	4,83	CUS	8	J820F8-4155-5
105,54	1,20	4,11	CUS	1,50	4,24	IPC	3,00	3,86	CUF	8	J91208-4155-3
105,54	1,20	4,11	CUS	1,50	4,24	IPC	3,00	3,94	CUF	8	J912F8-4155-3
105,54	1,20	3,68	CMR	1,20	3,96	DPE	3,00	3,86	CUF	8	J92608-4155-5
105,54	1,20	3,68	CMR	1,20	3,96	DPE	3,00	3,94	CUF	8	J926F8-4155-5
105,54	1,20	3,68	CMR	1,50	4,24	IPC	4,76	4,83	CUS	8	J961F8-4155-5
105,54	1,20	3,81	CNR	1,50	4,32	IPE	3,00	3,94	CUF	8	JG31F8-4155-3
105,54	1,59	4,88	DMB	1,59	4,90	IPT	4,76	3,81	CUF	8	J10008-4155-5
105,54	1,59	4,95	DMB	1,59	4,95	IPT	4,76	4,75	CUF	8	S100S8-4155-5
105,54	1,20	3,81	CNR	1,20	3,96	DPE	3,00	3,86	CUF	8	JG3308-4155-3
105,54	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,86	CUF	8	JG7708-4155-5
105,54	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,94	CUF	8	JG77F8-4155-5
105,79	1,59	4,93	DMB	1,59	4,93	IPT	4,76	4,83	CUS	8	J100F8-4165-5
105,79	1,59	4,93	DMB	1,59	4,52	DPE	4,76	3,81	CUF	8	J10308-4165-5
105,79	1,59	4,93	DMB	1,59	4,52	DPE	4,76	4,83	CUS	8	J103F8-4165-5
105,79	1,59	4,93	DMB	1,59	4,93	IPT	3,00	3,86	CUF	8	J30008-4165-5
105,79	1,59	4,93	DMB	1,59	4,93	IPT	3,00	3,94	CUF	8	J300F8-4165-5
105,79	1,59	4,93	DMB	1,59	4,93	IPG	4,76	3,81	CUF	8	J50008-4165-5
105,79	1,59	4,93	DMB	1,59	4,93	IPG	4,76	4,83	CUS	8	J500F8-4165-5
105,79	1,09	4,09	CMK	1,09	4,32	DPE	3,00	3,86	CUF	8	J71408-4165-5
105,79	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,86	CUF	8	J75008-4165-5
105,79	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,94	CUF	8	J750F8-4165-5
105,79	1,59	4,88	HPB	1,59	4,93	IPT	4,76	3,81	CUF	8	J82008-4165-5
105,79	1,59	4,88	HPB	1,59	4,93	IPT	4,76	4,83	CUS	8	J820F8-4165-5
105,79	1,20	3,68	CMR	1,09	4,32	IPC	3,00	3,86	CUF	8	J94108-4165-5

PISTON RINGS



JE Pistons Ring Chart

Bore IN	TOP RING			SECOND RING			OIL RING			# in Set	Ring Set Part Number
	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type		
105,79	1,59	4,93	DMB	1,59	4,93	IPT	3,00	3,86	CUF	8	J30008-4165-5
105,79	1,59	4,93	DMB	1,59	4,93	IPT	3,00	3,94	CUF	8	J300F8-4165-5
105,79	1,59	4,93	DMB	1,59	4,93	IPG	4,76	3,81	CUF	8	J50008-4165-5
105,79	1,59	4,93	DMB	1,59	4,93	IPG	4,76	4,83	CUS	8	J500F8-4165-5
105,79	1,09	4,09	CMK	1,09	4,32	DPE	3,00	3,86	CUF	8	J71408-4165-5
105,79	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,86	CUF	8	J75008-4165-5
105,79	1,20	3,68	CMR	1,50	4,32	IPE	3,00	3,94	CUF	8	J750F8-4165-5
105,79	1,59	4,88	HPB	1,59	4,93	IPT	4,76	3,81	CUF	8	J82008-4165-5
105,79	1,59	4,88	HPB	1,59	4,93	IPT	4,76	4,83	CUS	8	J820F8-4165-5
105,79	1,20	3,68	CMR	1,09	4,32	IPC	3,00	3,86	CUF	8	J94108-4165-5
105,79	1,59	4,93	DMB	1,59	4,93	IPT	4,76	3,81	CUF	8	J10008-4165-5
105,79	1,59	4,95	DMB	1,59	4,95	IPT	4,76	4,88	CUF	8	S100S8-4165-5
105,79	1,09	4,34	CNR	1,09	3,56	IPE	3,00	3,86	ECUF	8	JG7018-4165-5
105,79	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,86	CUF	8	JG7708-4165-5
105,79	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,84	CUF	8	JG77F8-4165-5
106,30	1,59	4,88	DMB	1,59	4,93	IPT	4,76	4,83	CUS	8	J100F8-4185-5
106,30	1,59	4,88	DMB	1,59	4,52	DPE	4,76	4,83	CUS	8	J103F8-4185-5
106,30	1,59	4,88	DMB	1,59	4,93	IPT	3,00	3,86	CUF	8	J30008-4185-5
106,30	1,59	4,88	HPB	1,59	4,93	IPT	4,76	4,83	CUS	8	J820F8-4185-5
106,30	1,09	4,88	HPB	1,59	4,93	IPT	4,76	4,83	CUS	8	J840F8-4185-5
106,30	D017*	4,39	DMD	1,59	4,93	IPT	4,76	4,83	CUS	8	J880F8-4185-5
106,30	D017*	4,39	DMD	1,59	4,93	IPT	4,76	5,00	CUF	8	J880H8-4185-5
106,30	D017*	4,39	DMD	1,59	4,93	IPT	4,76	4,83	CUS	8	J890F8-4185-5
106,30	D017*	4,39	DMD	1,59	4,93	IPT	4,76	5,00	CUF	8	J890H8-4185-5
106,30	1,20	3,81	CNR	1,50	4,32	IPE	3,00	3,86	ECUF	8	JG3108-4185-3
106,30	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,86	CUF	8	JG7708-4185-5
106,43	1,09	4,14	DMR	1,09	4,14	IPC	3,00	3,86	CUF	8	J70008-4190-5
106,93	1,59	4,93	DMB	1,59	4,93	IPT	4,76	4,83	CUF	8	J100F8-4210-5
107,95	1,59	5,03	DMB	1,59	5,03	IPT	4,76	4,83	CUS	8	J100F8-4250-5
107,95	D017*	4,39	DMD	1,59	5,03	IPT	4,76	4,83	CUS	8	J880F8-4250-5
107,95	D017*	4,39	DMD	1,59	5,03	IPT	4,76	5,11	CUF	8	J890H8-4250-5
107,95	1,98	5,03	DMB	1,98	5,03	IPT	4,76	4,83	CUS	8	JP00F8-4250-5
107,95	1,59	5,03	DMB	1,59	5,03	IPT	4,76	3,81	CUF	8	J10008-4250-5
108,46	1,98	5,03	IEB	1,98	5,03	IPT	4,76	4,83	CUF	8	JE00F8-4270-0
108,71	1,59	5,03	DMB	1,59	5,03	IPT	4,76	4,83	CUS	8	J100F8-4280-5
108,71	1,59	5,03	HPB	1,59	5,03	IPT	4,76	3,81	CUF	8	J82008-4280-5
108,71	1,59	5,03	HPB	1,59	5,03	IPT	4,76	4,83	CUS	8	J820F8-4280-5
108,71	1,98	5,03	IEB	1,98	5,03	IPT	4,76	4,83	CUF	8	JE00F8-4280-0
108,71	1,98	5,03	DMB	1,98	5,03	IPT	4,76	3,81	CUF	8	JP0008-4280-5
108,71	1,98	5,03	DMB	1,98	5,03	IPT	4,76	4,83	CUS	8	JP00F8-4280-5
108,71	1,59	5,03	DMB	1,59	5,03	IPT	4,76	3,81	CUF	8	J10008-4280-5
108,71	1,59	5,08	DMB	1,59	5,08	IPT	4,76	5,08	CUS	8	S100S8-4280-5
109,47	1,59	5,03	DMB	1,59	5,03	IPT	4,76	4,83	CUS	8	J100F8-4310-5
109,47	1,09	5,08	DMB	1,59	5,03	IPT	4,76	3,81	CUF	8	J20008-4310-5
109,47	1,09	5,08	DMB	1,59	5,03	IPT	4,76	4,83	CUS	8	J200F8-4310-5
109,47	1,59	5,03	HPB	1,59	5,03	IPT	4,76	3,81	CUF	8	J82008-4310-5
109,47	1,59	5,03	HPB	1,59	5,03	IPT	4,76	4,83	CUS	8	J820F8-4310-5
109,47	D017*	4,39	DMD	1,59	5,03	IPT	4,76	4,83	CUS	8	J890F8-4310-5
109,47	1,98	5,03	IEB	1,98	5,03	IPT	4,76	3,81	CUF	8	JE0008-4310-0
109,47	1,98	5,03	IEB	1,98	5,03	IPT	4,76	4,83	CUF	8	JE00F8-4310-0
109,47	1,59	5,03	DMB	1,59	5,03	IPT	4,76	3,81	CUF	8	J10008-4310-5
109,47	1,59	5,13	DMB	1,59	5,13	IPT	4,76	5,21	CUF	8	S100S8-4310-5
109,73	1,59	5,11	DMB	1,59	5,11	IPT	4,76	4,83	CUS	8	J100F8-4320-5
109,73	1,98	5,11	IEB	1,98	5,03	IPT	4,76	4,83	CUF	8	JE00F8-4320-0
109,73	1,59	5,11	DMB	1,59	5,11	IPT	4,76	3,81	CUF	8	J10008-4320-5
110,49	1,59	5,11	DMB	1,59	5,11	IPT	4,76	4,83	CUS	8	J100F8-4350-5
110,49	1,59	5,11	DMB	1,59	5,11	IPT	4,76	3,81	CUF	8	J10008-4350-5
110,49	1,59	5,21	DMB	1,59	5,21	IPT	4,76	4,88	CUF	8	S100S8-4350-5
110,74	1,59	5,16	DMB	1,59	5,16	IPT	4,76	4,83	CUS	8	J100F8-4360-5
110,74	1,59	5,16	DMB	1,59	5,16	IPT	4,76	3,81	CUF	8	J10008-4360-5
111,13	1,59	5,18	DMB	1,59	5,18	IPT	4,76	4,83	CUS	8	J100F8-4375-5
111,13	1,09	5,03	DMB	1,59	5,18	IPT	4,76	4,83	CUS	8	J200F8-4375-5

PISTON RINGS



JE Pistons Ring Chart

Bore IN	TOP RING Axial Height (mm)	TOP RING Radial Width (mm)	TOP RING Type	SECOND RING Axial Height (mm)	SECOND RING Radial Width (mm)	SECOND RING Type	OIL RING Axial Height (mm)	OIL RING Radial Width (mm)	OIL RING Type	# in Set	Ring Set Part Number
105,79	1,59	4,93	DMB	1,59	4,93	IPT	4,76	3,81	CUF	8	J10008-4165-5
105,79	1,59	4,95	DMB	1,59	4,95	IPT	4,76	4,88	CUF	8	S100S8-4165-5
105,79	1,09	4,34	CNR	1,09	3,56	IPE	3,00	3,86	ECUF	8	JG7018-4165-5
105,79	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,86	CUF	8	JG7708-4165-5
105,79	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,84	CUF	8	JG77F8-4165-5
106,30	1,59	4,88	DMB	1,59	4,93	IPT	4,76	4,83	CUS	8	J100F8-4185-5
106,30	1,59	4,88	DMB	1,59	4,52	DPE	4,76	4,83	CUS	8	J103F8-4185-5
106,30	1,59	4,88	DMB	1,59	4,93	IPT	3,00	3,86	CUF	8	J30008-4185-5
106,30	1,59	4,88	HPB	1,59	4,93	IPT	4,76	4,83	CUS	8	J820F8-4185-5
106,30	1,09	4,88	HPB	1,59	4,93	IPT	4,76	4,83	CUS	8	J840F8-4185-5
106,30	D017*	4,39	DMD	1,59	4,93	IPT	4,76	4,83	CUS	8	J880F8-4185-5
106,30	D017*	4,39	DMD	1,59	4,93	IPT	4,76	5,00	CUF	8	J880H8-4185-5
106,30	D017*	4,39	DMD	1,59	4,93	IPT	4,76	4,83	CUS	8	J890F8-4185-5
106,30	D017*	4,39	DMD	1,59	4,93	IPT	4,76	5,00	CUF	8	J890H8-4185-5
106,30	1,20	3,81	CNR	1,50	4,32	IPE	3,00	3,86	ECUF	8	JG3108-4185-3
106,30	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,86	CUF	8	JG7708-4185-5
106,43	1,09	4,14	DMR	1,09	4,14	IPC	3,00	3,86	CUF	8	J70008-4190-5
106,93	1,59	4,93	DMB	1,59	4,93	IPT	4,76	4,83	CUF	8	J100F8-4210-5
107,95	1,59	5,03	DMB	1,59	5,03	IPT	4,76	4,83	CUS	8	J100F8-4250-5
107,95	D017*	4,39	DMD	1,59	5,03	IPT	4,76	4,83	CUS	8	J880F8-4250-5
107,95	D017*	4,39	DMD	1,59	5,03	IPT	4,76	5,11	CUF	8	J880H8-4250-5
107,95	D017*	4,39	DMD	1,59	5,03	IPT	4,76	4,83	CUS	8	J890F8-4250-5
107,95	D017*	4,39	DMD	1,59	5,03	IPT	4,76	5,11	CUF	8	J890H8-4250-5
107,95	1,98	5,03	DMB	1,98	5,03	IPT	4,76	4,83	CUS	8	JP00F8-4250-5
107,95	1,59	5,03	DMB	1,59	5,03	IPT	4,76	3,81	CUF	8	J10008-4250-5
108,46	1,98	5,03	IEB	1,98	5,03	IPT	4,76	4,83	CUF	8	JE00F8-4270-0
108,71	1,59	5,03	DMB	1,59	5,03	IPT	4,76	4,83	CUS	8	J100F8-4280-5
108,71	1,59	5,03	HPB	1,59	5,03	IPT	4,76	3,81	CUF	8	J82008-4280-5
108,71	1,59	5,03	HPB	1,59	5,03	IPT	4,76	4,83	CUS	8	J820F8-4280-5
108,71	1,98	5,03	IEB	1,98	5,03	IPT	4,76	4,83	CUF	8	JE00F8-4280-0
108,71	1,98	5,03	DMB	1,98	5,03	IPT	4,76	3,81	CUF	8	JP0008-4280-5
108,71	1,98	5,03	DMB	1,98	5,03	IPT	4,76	4,83	CUS	8	JP00F8-4280-5
108,71	1,59	5,03	DMB	1,59	5,03	IPT	4,76	3,81	CUF	8	J10008-4280-5
108,71	1,59	5,08	DMB	1,59	5,08	IPT	4,76	5,08	CUS	8	S100S8-4280-5
109,47	1,59	5,03	DMB	1,59	5,03	IPT	4,76	4,83	CUS	8	J100F8-4310-5
109,47	1,09	5,08	DMB	1,59	5,03	IPT	4,76	3,81	CUF	8	J20008-4310-5
109,47	1,09	5,08	DMB	1,59	5,03	IPT	4,76	4,83	CUS	8	J200F8-4310-5
109,47	1,59	5,03	HPB	1,59	5,03	IPT	4,76	3,81	CUF	8	J82008-4310-5
109,47	1,59	5,03	HPB	1,59	5,03	IPT	4,76	4,83	CUS	8	J820F8-4310-5
109,47	D017*	4,39	DMD	1,59	5,03	IPT	4,76	4,83	CUS	8	J890F8-4310-5
109,47	1,98	5,03	IEB	1,98	5,03	IPT	4,76	3,81	CUF	8	JE0008-4310-0
109,47	1,98	5,03	IEB	1,98	5,03	IPT	4,76	4,83	CUF	8	JE00F8-4310-0
109,47	1,59	5,03	DMB	1,59	5,03	IPT	4,76	3,81	CUF	8	J10008-4310-5
109,47	1,59	5,13	DMB	1,59	5,13	IPT	4,76	5,21	CUF	8	S100S8-4310-5
109,73	1,59	5,11	DMB	1,59	5,11	IPT	4,76	4,83	CUS	8	J100F8-4320-5
109,73	1,98	5,11	IEB	1,98	5,03	IPT	4,76	4,83	CUF	8	JE00F8-4320-0
109,73	1,59	5,11	DMB	1,59	5,11	IPT	4,76	3,81	CUF	8	J10008-4320-5
110,49	1,59	5,11	DMB	1,59	5,11	IPT	4,76	4,83	CUS	8	J100F8-4350-5
110,49	1,59	5,11	DMB	1,59	5,11	IPT	4,76	3,81	CUF	8	J10008-4350-5
110,49	1,59	5,21	DMB	1,59	5,21	IPT	4,76	4,88	CUF	8	S100S8-4350-5
110,74	1,59	5,16	DMB	1,59	5,16	IPT	4,76	4,83	CUS	8	J100F8-4360-5
110,74	1,59	5,16	DMB	1,59	5,16	IPT	4,76	3,81	CUF	8	J10008-4360-5
111,13	1,59	5,18	DMB	1,59	5,18	IPT	4,76	4,83	CUS	8	J100F8-4375-5
111,13	1,09	5,03	DMB	1,59	5,18	IPT	4,76	3,81	CUF	8	J20008-4375-5
111,13	1,09	5,03	DMB	1,59	5,18	IPT	4,76	4,83	CUS	8	J200F8-4375-5
111,13	D017*	4,39	DMD	1,59	5,18	IPT	4,76	4,83	CUS	8	J880F8-4375-5
111,13	D017*	4,39	DMD	1,59	5,18	IPT	4,76	5,00	CUF	8	J880H8-4375-5
111,13	D017*	4,39	DMD	1,59	5,18	IPT	4,76	4,83	CUS	8	J890F8-4375-5
111,13	D017*	4,39	DMD	1,59	5,18	IPT	4,76	5,00	CUF	8	J890H8-4375-5
111,13	1,59	5,18	DMB	1,59	5,18	IPT	4,76	3,81	CUF	8	J10008-4375-5
111,51	1,59	5,16	DMB	1,59	5,16	IPT	4,76	4,83	CUS	8	J100F8-4390-5
111,51	1,59	5,16	DMB	1,59	5,16	IPT	4,76	3,81	CUF	8	J10008-4390-5
112,78	1,59	5,26	DMB	1,59	5,26	IPT	4,76	4,83	CUS	8	J100F8-4440-5
112,78	1,09	5,26	DMB	1,59	5,26	IPT	4,76	3,94	CUF	8	J20008-4440-5
112,78	1,09	5,26	DMB	1,59	5,26	IPT	4,76	4,83	CUS	8	J200F8-4440-5

***D017 = a Dykes ring/step cut for blown alcohol applications.**

PISTON RINGS



JE Pistons Ring Chart

Bore IN	TOP RING Axial Height (mm)	TOP RING Radial Width (mm)	TOP RING Type	SECOND RING Axial Height (mm)	SECOND RING Radial Width (mm)	SECOND RING Type	OIL RING Axial Height (mm)	OIL RING Radial Width (mm)	OIL RING Type	# in Set	Ring Set Part Number
112,78	1,59	5,26	DMB	1,59	5,26	IPT	4,76	3,94	CUF	8	J10008-4440-5
113,49	2,00	5,08	DMK	1,50	5,08	IPT	4,00	3,30	CUF	8	J83008-4468
113,49	2,00	5,08	DMK	1,98	5,08	IPT	4,76	3,81	CUF	8	J85008-4468
113,54	1,59	5,26	DMB	1,59	5,28	IPT	4,76	5,21	CUF	8	J100S8-4470-5
114,30	1,59	5,33	DMB	1,59	5,33	IPT	4,76	4,83	CUS	8	J100F8-4500-5
114,30	1,09	5,33	DMB	1,59	5,33	IPT	4,76	3,94	CUF	8	J20008-4500-5
114,30	1,09	5,33	DMB	1,59	5,33	IPT	4,76	4,83	CUS	8	J200F8-4500-5
114,30	1,59	5,33	DMB	1,59	5,33	IPT	3,00	3,86	CUF	8	J30008-4500-5
114,30	1,59	5,33	HPB	1,59	5,33	IPT	4,76	3,94	CUF	8	J82008-4500-5
114,30	1,59	5,33	HPB	1,59	5,33	IPT	4,76	4,83	CUS	8	J820F8-4500-5
114,30	1,09	5,33	HPB	1,59	5,33	IPT	4,76	3,94	CUF	8	J84008-4500-5
114,30	1,09	5,33	HPB	1,59	5,33	IPT	4,76	4,83	CUS	8	J840F8-4500-5
114,30	D017*	4,39	DMD	1,59	5,33	IPT	4,76	4,83	CUS	8	J890F8-4500-5
114,30	1,59	5,33	DMB	1,59	5,33	IPT	4,76	3,94	CUF	8	J10008-4500-5
114,30	1,59	5,23	DMB	1,59	5,23	IPT	4,76	5,08	CUF	8	S100S8-4500-5
114,30	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,86	CUF	8	JG7708-4500-5
114,30	1,09	4,34	CNR	1,59	5,33	IPT	4,76	3,94	CUF	8	JG8608-4500-5
114,30	1,09	4,34	CNR	1,59	5,33	IPT	4,76	4,83	CUS	8	JG86F8-4500-5
115,06	1,59	5,33	DMB	1,59	5,33	IPT	4,76	4,62	CUF	8	J100F8-4530-5
115,06	1,09	5,33	DMB	1,59	5,33	IPT	4,76	3,81	CUF	8	J20008-4530-5
115,06	1,09	5,33	DMB	1,59	5,33	IPT	4,76	4,62	CUS	8	J200F8-4530-5
115,06	1,59	5,33	HPB	1,59	5,33	IPT	4,76	3,81	CUF	8	J82008-4530-5
115,06	1,59	5,33	HPB	1,59	5,33	IPT	4,76	4,62	CUF	8	J820F8-4530-5
115,06	D017*	4,39	DMD	1,59	5,33	IPT	4,76	4,62	CUS	8	J890F8-4530-5
115,06	1,59	5,33	DMB	1,59	5,33	IPT	4,76	3,81	CUF	8	J10008-4530-5
115,06	1,59	5,23	DMB	1,59	5,23	IPT	4,76	4,62	CUF	8	S100S8-4530-5
115,06	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,81	CUF	8	JG7708-4530-5
115,06	1,09	4,34	CNR	1,59	5,33	IPT	4,76	3,81	CUF	8	JG8608-4530-5
115,06	1,09	4,34	CNR	1,59	5,33	IPT	4,76	4,62	CUF	8	JG86F8-4530-5
115,82	1,59	5,38	DMB	1,59	5,33	IPT	4,76	4,83	CUS	8	J100H8-4560-5
115,82	1,09	5,38	DMB	1,59	5,33	IPT	4,76	3,81	CUF	8	J20008-4560-5
115,82	1,59	5,33	HPB	1,59	5,33	IPT	4,76	4,83	CUS	8	J820H8-4560-5
115,82	1,59	5,38	DMB	1,59	5,33	IPT	4,76	3,81	CUF	8	J10008-4560-5
115,82	1,59	5,38	DMB	1,59	5,23	IPT	4,76	5,08	CUF	8	S100S8-4560-5
115,82	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,81	CUF	8	JG7708-4560-5
115,82	1,09	4,34	CNR	1,59	5,33	IPT	4,76	3,81	CUF	8	JG8608-4560-5
115,82	1,09	4,34	CNR	1,59	5,33	IPT	4,76	5,00	LCUF	8	JG86F8-4560-5
115,82	1,09	4,34	CNR	1,59	5,33	IPT	4,76	4,83	CUS	8	JG86H8-4560-5
116,33	1,59	5,38	DMB	1,59	5,38	IPT	4,76	4,83	CUS	8	J100F8-4580-5
116,33	1,09	4,34	CNR	1,59	5,49	IPT	4,76	4,83	CUS	8	JG86F8-4580-5
116,84	1,59	5,38	DMB	1,59	5,38	IPT	4,76	4,83	CUS	8	J100L8-4600-5
116,84	1,59	5,38	DMB	1,59	5,38	IPT	4,76	5,11	CUF	8	J100S8-4600-5
116,84	1,59	5,38	DMB	1,59	5,38	IPT	4,76	3,81	CUF	8	J100U8-4600-5
116,84	1,09	5,38	DMB	1,59	5,38	IPT	4,76	3,81	CUF	8	J200U8-4600-5
116,84	1,59	5,38	DMB	1,59	5,54	IPT	3,00	3,78	CUF	8	J300F8-4600-5
116,84	1,09	5,38	DMB	1,59	5,38	IPT	3,00	3,78	CUF	8	J400F8-4600-5
116,84	1,59	5,33	HPB	1,59	5,38	IPT	4,76	4,83	CUF	8	J82008-4600-5
116,84	1,59	5,33	HPB	1,59	5,38	IPT	4,76	5,11	CUF	8	J820S8-4600-5
116,84	1,59	5,00	DMB	1,59	5,23	IPT	4,76	4,75	CUF	8	S100S8-4600-5
116,84	1,09	4,34	CNR	1,59	5,54	IPT	4,76	4,83	CUS	8	JG71L8-4600-5
116,84	1,09	4,34	CNR	1,59	5,54	IPT	4,76	3,81	CUF	8	JG71U8-4600-5
116,84	1,09	4,34	CNR	1,09	4,32	DPE	4,76	4,83	CUS	8	JG7308-4600-5
116,84	1,09	4,34	CNR	1,09	4,32	DPE	4,76	3,81	CUF	8	JG73U8-4600-5
116,84	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,81	CUF	8	JG7708-4600-5
116,84	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,81	CUF	8	JG77F8-4600-5
116,84	1,09	4,34	CNR	1,59	5,54	IPT	4,76	3,81	CUF	8	JG8608-4600-5
116,84	1,09	4,34	CNR	1,59	5,54	IPT	4,76	5,00	LCUF	8	JG86F8-4600-5
116,84	1,09	4,34	CNR	1,59	5,54	IPT	4,76	4,83	CUS	8	JG86L8-4600-5
116,84	1,09	4,34	CNR	1,59	5,54	IPT	4,76	5,21	CUF	8	JG86S8-4600-5
116,84	1,09	4,34	CNR	1,59	5,54	IPT	4,76	3,81	CUF	8	JG86U8-4600-5
117,09	1,59	5,38	DMB	1,59	5,38	IPT	4,76	4,83	CUS	8	J100H8-4610-5
117,09	1,09	4,34	CNR	1,09	5,33	DPE	4,76	5,00	CUF	8	JG7308-4610-5
117,09	1,09	4,34	CNR	1,09	5,33	IPT	3,00	3,89	CUF	8	JG7708-4610-5
117,09	1,09	4,34	CNR	1,09	5,33	IPT	4,76	5,00	CUF	8	JG8108-4610-5
117,09	1,09	4,34	CNR	1,59	4,95	DPE	4,76	4,83	CUS	8	JG86H8-4610-5
117,09	1,09	4,34	CNR	1,59	4,95	DPE	4,76	5,00	CUF	8	JG86L8-4610-5

▲TOP

PISTON RINGS



JE Pistons Ring Chart

Bore IN	TOP RING			SECOND RING			OIL RING			# in Set	Ring Set Part Number
	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type	Axial Height (mm)	Radial Width (mm)	Type		
117,48	1,59	5,46	DMB	1,59	5,46	IPT	4,76	4,83	CUS	8	J100F8-4625-5
117,48	1,59	5,46	DMB	1,59	5,46	IPT	4,76	5,33	CUF	8	J10008-4625-5
117,48	1,09	4,34	CNR	1,09	4,32	DPE	4,76	5,00	CUF	8	JG7308-4625-5
117,48	1,09	4,34	CNR	1,09	4,32	DPE	4,76	4,83	CUS	8	JG73F8-4625-5
117,48	1,09	4,34	CNR	1,09	4,32	DPE	3,00	3,86	CUF	8	JG7708-4625-5
117,48	1,09	4,34	CNR	1,59	5,46	IPT	4,76	4,83	CUS	8	JG86F8-4625-5

***D017 = a Dykes ring/step cut for blown alcohol applications.**

PISTON ACCESSORIES

Spiro Lock

Part #	Diameter (mm)	Thickness (mm)	Material
490-035-CS	12,45	0,89	CARBON STEEL
728-035-CS	18,49	0,89	CARBON STEEL
748-042-CS	19,00	1,07	CARBON STEEL
812-042-CS	20,63	1,07	CARBON STEEL
866-042-CS	22,00	1,07	CARBON STEEL
866-073-CS	22,00	1,85	CARBON STEEL
927-042-AS	23,55	1,07	ALLOY
927-042-CS	23,55	1,07	CARBON STEEL
927-073-AS	23,55	1,85	ALLOY
927-042-SS	23,55	1,07	STAINLESS STEEL
990-042-CS	25,15	1,07	CARBON STEEL
990-073-CS	25,15	1,85	CARBON STEEL
990-042-SS	25,15	1,07	STAINLESS STEEL
031-037-CS	26,19	0,94	CARBON STEEL
031-042-CS	26,19	1,07	CARBON STEEL
062-050-CS	26,97	1,27	CARBON STEEL
094-037-CS	27,79	0,94	CARBON STEEL
094-050-CS	27,79	1,27	CARBON STEEL
094-037-SS	27,79	0,94	STAINLESS STEEL

Hooked Wire Lock

Part #	Diameter (mm)	Thickness (mm)	Material
708-063-MH	18,00	1,60	CHROME SILICON
748-063-MH	19,00	1,60	CHROME SILICON
787-063-MH	20,00	1,60	CHROME SILICON
866-063-MH	22,00	1,60	CHROME SILICON
866-073-MH	22,00	1,85	CHROME SILICON
927-073-MH	23,55	1,85	CHROME SILICON

Tru Arc Lock

Part #	Diameter (mm)	Thickness (mm)	Material
490-035-CT	12,450	0,89	CARBON STEEL
748-035-CT	19,00	0,89	CARBON STEEL
812-042-CT	20,63	1,07	CARBON STEEL
866-042-CT	22,00	1,07	CARBON STEEL
905-042-CT	22,99	1,07	CARBON STEEL
927-042-CT	23,55	1,07	CARBON STEEL
990-042-CT	25,15	1,07	CARBON STEEL
031-042-CT	26,19	1,07	CARBON STEEL
094-050-CT	27,79	1,27	CARBON STEEL

Wire Lock

Part #	Diameter (mm)	Thickness (mm)	Material
512-040-AW	13,00	1,02	ALLOY
551-040-MW	15,00	1,02	CHROME SILICON
591-040-MW	15,00	1,02	CHROME SILICON
630-050-MW	16,00	1,27	CHROME SILICON
669-050-MW	17,00	1,27	CHROME SILICON
708-050-MW	18,00	1,27	CHROME SILICON
708-063-MW	18,00	1,60	CHROME SILICON
728-050-MW	18,49	1,27	CHROME SILICON
748-050-MW	19,00	1,27	CHROME SILICON
748-063-MW	19,00	1,60	CHROME SILICON
767-050-MW	19,48	1,27	CHROME SILICON
787-050-MW	20,00	1,27	CHROME SILICON
787-063-MW	20,00	1,60	CHROME SILICON
827-050-MW	21,00	1,27	CHROME SILICON
827-063-MW	21,00	1,60	CHROME SILICON
866-063-MW	22,00	1,60	CHROME SILICON
866-073-MW	22,00	1,85	CHROME SILICON
905-073-MW	22,99	1,85	CHROME SILICON
927-073-MW	23,55	1,85	CHROME SILICON
945-073-MW	24,00	1,85	CHROME SILICON
990-073-MW	25,15	1,85	CHROME SILICON
031-073-MW	26,19	1,85	CHROME SILICON
094-073-MW	27,79	1,85	CHROME SILICON

▲TOP

PISTON ACCESSORIES

Oil Rail Supports

Part #	Bore Range	Description
3000-122	2,999-3,039	OIL RAIL SUPPORT
3040-122	3,040-3,069	OIL RAIL SUPPORT
3070-122	3,070-3,114	OIL RAIL SUPPORT
3115-122	3,115-3,169	OIL RAIL SUPPORT
3170-122	3,171-3,229	OIL RAIL SUPPORT
3230-122	3,230-3,285	OIL RAIL SUPPORT
3267-122	3,266-3,307	OIL RAIL SUPPORT
3285-122	3,286-3,344	OIL RAIL SUPPORT
3346-122	3,345-3,384	OIL RAIL SUPPORT
3385-122	3,385-3,423	OIL RAIL SUPPORT
3425-122	3,424-3,464	OIL RAIL SUPPORT
3465-142	3,465-3,509	OIL RAIL SUPPORT
3500-142	3,498-3,559	OIL RAIL SUPPORT
3510-142	3,510-3,559	OIL RAIL SUPPORT
3560-142	3,560-3,604	OIL RAIL SUPPORT
3562-162	3,560-3,622	OIL RAIL SUPPORT
3605-162	3,605-3,654	OIL RAIL SUPPORT
3625-162	3,623-3,680	OIL RAIL SUPPORT
3655-162	3,655-3,699	OIL RAIL SUPPORT
3700-162	3,700-3,747	OIL RAIL SUPPORT
3750-162	3,748-3,774	OIL RAIL SUPPORT
3775-162	3,775-3,809	OIL RAIL SUPPORT
3812-173	3,810-3,839	OIL RAIL SUPPORT
3840-173	3,840-3,874	OIL RAIL SUPPORT
3875-173	3,875-3,904	OIL RAIL SUPPORT
3905-173	3,905-3,934	OIL RAIL SUPPORT
3935-173	3,935-3,959	OIL RAIL SUPPORT
3960-173	3,960-3,998	OIL RAIL SUPPORT
4000-162	3,999-4,029	OIL RAIL SUPPORT

Oil Rail Supports

Part #	Bore Range	Description
4000-183	3,999-4,029	OIL RAIL SUPPORT
4030-162	4,030-4,059	OIL RAIL SUPPORT
4030-183	4,030-4,059	OIL RAIL SUPPORT
4060-162	4,060-4,079	OIL RAIL SUPPORT
4060-183	4,060-4,079	OIL RAIL SUPPORT
4080-183	4,080-4,119	OIL RAIL SUPPORT
4125-162	4,120-4,154	OIL RAIL SUPPORT
4125-183	4,120-4,154	OIL RAIL SUPPORT
4155-162	4,155-4,184	OIL RAIL SUPPORT
4155-183	4,155-4,184	OIL RAIL SUPPORT
4185-162	4,185-4,214	OIL RAIL SUPPORT
4185-183	4,185-4,214	OIL RAIL SUPPORT
4215-183	4,215-4,247	OIL RAIL SUPPORT
4250-193	4,248-4,279	OIL RAIL SUPPORT
4280-193	4,280-4,309	OIL RAIL SUPPORT
4310-193	4,310-4,349	OIL RAIL SUPPORT
4350-193	4,350-4,374	OIL RAIL SUPPORT
4375-193	4,375-4,404	OIL RAIL SUPPORT
4405-193	4,405-4,437	OIL RAIL SUPPORT
4440-203	4,438-4,469	OIL RAIL SUPPORT
4470-203	4,470-4,499	OIL RAIL SUPPORT
4500-203	4,500-4,529	OIL RAIL SUPPORT
4530-203	4,530-4,559	OIL RAIL SUPPORT
4562-203	4,560-4,599	OIL RAIL SUPPORT
4600-162	4,600-4,635	OIL RAIL SUPPORT
4600-203	4,600-4,635	OIL RAIL SUPPORT
4636-203	4,636-4,674	OIL RAIL SUPPORT
4675-203	4,675-4,700	OIL RAIL SUPPORT

PISTON RINGS



GFX Ring Set *Individual rings available.*

Must be file fit to bore size • Bore Range: 101.60 - 105.61mm (4.000”- 4.158”) • Maximum bore size: .002” over ring size

Top Ring	2nd Ring	Oil Ring
1.2mm (.047”) Alloy steel, gas nitrided, positive twist.	1.2mm (.047”) Cast iron, phosphate coated, taper faced, under hook.	3mm (.118”) 3-piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails.

.118” (3mm) Standard Tension Oil Rings • Stainless Steel Spacer • Chrome Plated Rail

Bore Size (in.)	Ring Part #	Bore Size (in.)	Ring Part #	Bore Size (in.)	Ring Part #
3.998 - 4.007	4005F	4.048 - 4.057	4055F	4.128 - 4.137	4135F
4.008 - 4.017	4015F	4.058 - 4.067	4065F	4.138 - 4.147	4145F
4.018 - 4.027	4025F	4.073 - 4.082	4080F	4.153 - 4.162	4160F
4.028 - 4.037	4035F	4.125 - 4.133	4130F	4.593 - 4.602	4600F
4.038 - 4.047	4045F				

Example Part Number: W-10008-4000-5

W = Wiseco 1000 = Ring Series 8 = Cylinders Per Set 4000 = Bore Size 5 = .005 Oversize

Individual Ring Codes

	CODE	MATERIAL	COATING	SHAPE
TOP	DMB	Ductile Iron	Plasma Moly	Barrel Face
	DMR	Ductile Iron	Plasma Moly	Barrel Backcut
	SCB	Steel	Chrome	Barrel Face
	SGP	Steel	Gas Nitrided	Positive Twist
2ND	IPC	Cast Iron	Phosphate	Taper Backcut Rev. Twist
	IPG	Cast Iron	Phosphate	Gapless
	IPN	Cast Iron	Phosphate	Napier Scraper
	IPT	Cast Iron	Phosphate	Taper Face
OIL	CUL	Steel	Chrome	Low Tension
	CUS	Steel	Chrome	Std. Tension

PISTON RINGS



Wiseco Ring Chart

All Wiseco rings can be used in cast iron, nickel ceramic platings (Nikasil), boron composite, and Electrofusion bores.
CAUTION: With the exception of the XJ rings, Wiseco 4-stroke rings can NOT be used in chrome plated bores. Engine damage will occur.
*XJ rings are designed to be used in chrome bores.

Type	Bore Range	Top Ring		2nd Ring		Oil Ring	
E		2.0mm (.078”) Alloy steel Ferrox coated Chrome faced		2.0mm (.078”) Cast iron Phosphate coated Taper faced		4mm (.118”) 3-piece oil assembly Stainless stl. flex-vent spacer	
EK	96 - 98mm (3.780 - 3.858”)	0.7mm (.028”) Alloy steel, flat faced		1.2mm (.047”) Cast iron, phosphate coated, taper faced		2mm (.079”) 2 piece cast iron oil assembly, phosphate coated	
GFX	93.54 - 105.61mm (3.683- 4.158”)	1.2mm (.047”) Alloy steel, gas nitrided, positive twist		1.2mm (.047”) Cast iron, phosphate coated, taper faced, under hook		3mm (.118”) 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails	
GNX		1.5mm (.058”) Alloy steel Gas Nitrided Barel faced, positive twist		1.5mm (.058”) Cast iron Phosphate coated Taper faced under-hook		3mm (.118”) 3-piece oil assembly Stainless stl. flex-vent spacer Chrome faced rails	
H		062” (1/16”) Hi-tensile Plasma Moly		062” (1/16”) Cast		.187” (3/16”) 3-piece Standard Tension	
HF		.062” (1/16”) Hi-tensile Plasma Moly		.062” (1/16”) Cast		3.0mm (.118”) 3-piece Standard Tension	
TX		1.0mm (.039”) Alloy steel Ferrox coated Barel faced		1.2mm (.047”) Cast iron Phosphate coated Taper faced, napier underhook		2.8mm (.110”) 3-piece oil assembly Stainless stl. flex-vent spacer Chrome faced rails	
VA	97mm (3.819”)	1.2mm (.047”) Alloy steel, ferrox coated, chrome faced		1.5mm (.057”) Cast iron, phosphate coated, taper faced		3mm (.118”) 3 piece oil assembly: Stainless steel spacer, chrome faced rails	
VF		1.2mm (.047”) Alloy steel Phos. coated Chrome faced		1.5mm (.057”) Cast iron Phosphate coated Taper faced		2mm (.079”) 3-piece oil assembly: Stainless stl. flex-vent spacer Chrome faced rails	
VK		.078” (5/64”) Hi-tensile Plasma Moly		.078” (5/64”) Cast		.187” (3/16”) 3-piece Standard Tension	
X	80.97 - 92.83mm (3.188 - 3.655”)	1.58mm (.0625”) Cast iron, moly barrel faced		1.58mm (.0625”) Cast iron, taper faced, reverse torsion		3.9mm (.1525”) 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails	
XA	60 - 74.5mm (2.362-2.933”)	0.8mm (.031”) Alloy steel, ferrox coated, chrome faced		0.8mm (.031”) Nodular iron, phosphate coated, taper faced		1.5mm (.059”) 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails	
XC	64-94mm (2.520-3.701”)	1mm (.039”) Alloy steel, ferrox coated, chrome faced		1.2mm (.047”) Cast iron, phosphate coated, taper faced		2.8mm (.110”) 3 piece oil assembly: Stainless steel spacer, chrome faced rails	
XD	66-68mm (2.598-2.677”)	1mm (.039”) Alloy steel, ferrox coated, chrome faced		1.2mm (.047”) Cast iron, phosphate coated, taper faced		2mm (.079”) 3 piece oil assembly: Stainless steel spacer, chrome faced rails	
XE	47-59mm (1.850-2.323”)	1mm (.039”) Alloy steel, ferrox coated, chrome faced		1.2mm (.047”) Cast iron, phosphate coated, taper faced		2.5mm (.098”) 3 piece oil assembly: Stainless steel spacer, chrome faced rails	
XG	75-83mm (2.953-3.268”)	1mm (.039”) Alloy steel, ferrox coated, gas nitrided		1mm (.039”) Nodular iron, phosphate coated, taper faced		2mm (.079”) 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails	
XH	95-102mm (3.740-3.977”)	1.2mm (.047”) Alloy steel, ferrox coated, chrome faced		1.5mm (.057”) Cast iron, phosphate coated, taper faced		4mm (.057”) 3 piece oil assembly: Stainless steel spacer, chrome faced rails	
***XJ**	95mm (3.740”)	1.2mm (.047”) Soft nitrided, nodular cast iron		1.5mm (.057”) Cast iron, phosphate coated, taper faced		4mm (.158”) 3 piece oil assembly: Stainless steel spacer, soft nitrided rails	
XK	98.42 - 103.38mm (3.875 - 4.070”)	1.5mm (.057”) Cast iron, plasma moly faced		1.5mm (.057”) Cast iron, reverse torsion taper faced		2.5mm (.098”) 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails	

PISTON RINGS

Wiseco Ring Chart

Type	Bore Range	Top Ring		2nd Ring		Oil Ring	
XN	96.84mm (3.8125”)	1.5mm (.057”) Cast iron, plasma moly faced		1.5mm (.057”) Cast iron, reverse torsion taper faced		3mm (.118”) 3 piece oil assembly: Stainless steel flex-vent spacer, unplated rails	
XP	92.01 - 96.01mm (3.663 - 3.780”)	1.5mm (.057”) Cast iron, plasma moly faced		1.5mm (.057”) Cast iron, reverse torsion taper faced		3mm (.118”) 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails	
XQ	95 - 97.28mm (3.740 - 3.830”)	1.5mm (.057”) Cast iron, moly faced		1.5mm (.057”) Cast iron, reverse torsion taper faced		3mm (.118”) 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails	
XR	85 - 94mm (3.346 - 3.701”)	1mm (.039”) Alloy steel, ferrox coated, chrome faced		1.2mm (.047”) Cast iron, phosphate coated, taper faced		2mm (.079”) 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails	
XS	95 - 104mm (3.740 - 4.094”)	1.2mm (.047”) Alloy steel, ferrox coated, chrome faced		1.5mm (.057”) Cast iron, phosphate coated, taper faced		2mm (.079”) 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails	
XU	77.00mm (3.031”)	0.9mm (.035”) Alloy steel, ferrox coated, chrome faced		0.8mm (.031”) Ductile iron, phosphate coated, taper faced		1.5mm (.059”) 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails	
XX	75 - 100mm (2.953 - 3.937”)	1mm (.039”) Stainless steel, gas nitrided, barrel faced		1.2mm (.047”) Cast iron, phosphate coated, taper faced, under hook		2.8mm (.110”) 3 piece oil assembly: Stainless steel flex-vent spacer, nitrided rails	
XY	95-100mm (3.740 - 3.937”)	1.2mm (.047”) Alloy steel, ferrox coated, chrome faced		1.5mm (.057”) Cast iron, phosphate coated, taper faced		3mm (.118”) 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails	
XL	65.09 - 67.63mm (2.563 - 2663”)	1.96mm (.077”) Chrome faced Nodular iron		No second ring		2.8mm (.110”) 3 piece oil assembly: Stainless steel spacer, chrome faced rails	
XM	65.09 - 71.50mm (2.563 - 2.815”)	1mm (.039”) Alloy steel, ferrox coated, chrome faced		No second ring		2.8mm (.110”) 3 piece oil assembly: Stainless steel spacer, chrome faced rails	
YB	78mm (3.071”) & 80mm (3.150”)	0.9mm (.035”) Stainless steel, gas nitrided, barrel faced		No second ring		1.5mm (.059”) 3 piece oil assembly: Stainless steel flex-vent spacer, nitrided rails	
YC	77mm (3.031”)	0.8mm (.031”) Alloy steel, phosphate coated, chrome faced positive twist		No second ring		1.5mm (.059”) 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails	
YE	95mm (3.740”)	1mm (.039”) Alloy steel, phosphate coated, chrome faced positive twist		No second ring		2mm (.079”) 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails	
YF	66mm (2.598”)	.8mm (.031”) Alloy steel, gas nitrided, barrel faced positive twist		No second ring		1.5mm (.057”) 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails	
ZB	107.95mm (4.250”)	1.1mm (.043”) Ductile iron, plasma moly face		No second ring		2mm (.079”) 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails	
ZC	89mm (3.504”) & 91mm (3.583”)	1mm (.039”) Alloy steel, ferrox coated, chrome faced		No second ring		2.8mm (.110”) 3 piece oil assembly: Stainless steel spacer, chrome faced rails	
ZG	76mm (2.992”)	1mm (.039”) Alloy steel, ferrox coated, gas nitrided		No second ring		2mm (.079”) 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails	
ZN	96.84mm (3.8125”)	1.5mm (.057”) Alloy steel, unplated face		No second ring		3mm (.118”) 3 piece oil assembly: Stainless steel flex-vent spacer, unplated rails	
ZS	95 - 101mm (3.740 - 3.976”)	1.2mm (.047”) Alloy steel, ferrox coated, chrome faced		No second ring		2mm (.079”) 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails	
ZV	96 - 100mm (3.780 - 3.937”)	.95mm (.037”) Alloy steel, gas nitrided barrel faced positive twist		No second ring		2mm (.079”) 3 piece oil assembly: Stainless steel flex-vent spacer, chrome faced rails	

PISTON RINGS



Wiseco Ring Chart

Bore Size (In.)	Bore Size (MM)	Ring Width	Top Ring Type	Top Ring Code	2nd Ring Code	Oil Ring Code	Oil Ring Tension	# in Set	Set Part Number
2,874	73,00	.8mm-.8mm-1.5mm	Moly	CUS	DPA	CUF	Std.	1	2874XA
2,874	73,00	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	2874XC
2,913	73,99	.8mm-.8mm-1.5mm	Moly	CUS	DPA	CUF	Std.	1	2913XA
2,913	73,99	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	2913XC
2,933	74,50	.8mm-.8mm-1.5mm	Moly	CUS	DPA	CUF	Std.	1	2933XA
2,933	74,50	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	2933XC
2,953	75,01	1.0mm-1.0mm-2.0mm	Moly	CUS	DPA	CUS	Std.	1	2953XG
2,953	75,01	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	2953XC
2,953	75,01	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	7500XX
2,972	75,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	7550XX
2,973	75,51	1.0mm-1.0mm-2.0mm	Moly	CUS	DPA	CUS	Std.	1	2973XG
2,973	75,51	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	2973XC
2,992	76,00	1.0mm-1.0mm-2.0mm	Moly	CUS	DPA	CUS	Std.	1	2992XG
2,992	76,00	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	2992XC
2,992	76,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	7600XX
3,002	76,25	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	7625XX
3,012	76,50	1.0mm-1.0mm-2.0mm	Moly	CUS	DPA	CUS	Std.	1	3012XG
3,012	76,50	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3012XC
3,012	76,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	7650XX
3,031	77,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	7700XX
3,032	77,01	1.0mm-1.0mm-2.0mm	Moly	CUS	DPA	CUS	Std.	1	3032XG
3,032	77,01	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3032XC
3,041	77,25	1.0mm-1.0mm-2.0mm	Moly	CUS	DPA	CUS	Std.	1	3041XG
3,051	77,50	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3051XC
3,051	77,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	7750XX
3,053	77,55	1.0mm-1.0mm-2.0mm	Moly	CUS	DPA	CUS	Std.	1	3053XG
3,071	78,00	1.0mm-1.0mm-2.0mm	Moly	CUS	DPA	CUS	Std.	1	3071XG
3,071	78,00	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3071XC
3,071	78,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	7800XX
3,091	78,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	7850XX
3,110	79,00	1.0mm-1.0mm-2.0mm	Moly	CUS	DPA	CUS	Std.	1	3110XG
3,110	79,00	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3110XC
3,110	79,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	7900XX
3,118	79,20	1.0mm-1.0mm-2.0mm	Moly	CUS	DPA	CUS	Std.	1	3118XG
3,130	79,50	1.0mm-1.0mm-2.0mm	Moly	CUS	DPA	CUS	Std.	1	3130XG
3,130	79,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	7950XX
3,140	79,75	1.0mm-1.0mm-2.0mm	Moly	CUS	DPA	CUS	Std.	1	3140XG
3,150	80,00	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3150XC
3,150	80,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8000XX
3,169	80,50	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3169XC
3,189	81,00	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3189XC
3,189	81,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8100XX
3,199	81,25	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8125XX
3,208	81,48	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3208XC
3,209	81,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8150XX
3,228	82,00	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3228XC
3,228	82,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8200XX
3,248	82,50	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3248XC
3,248	82,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8250XX
3,250	82,55	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3250XC
3,268	83,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8300XX
3,287	83,50	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3287XC
3,287	83,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8350XX
3,307	84,00	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3307XC
3,307	84,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8400XX
3,317	84,25	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8425XX
3,327	84,50	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3327XC
3,327	84,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8450XX
3,346	85,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8500XX
3,347	85,01	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3347XC
3,366	85,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8550XX
3,386	86,00	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3386XC
3,386	86,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8600XX
3,396	86,25	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8625XX
3,406	86,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8650XX
3,415	86,75	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8675XX
3,425	87,00	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3425XC
3,425	87,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8700XX
3,435	87,25	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8725XX
3,445	87,50	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3445XC
3,445	87,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8750XX

▲TOP

PISTON RINGS



Wiseco Ring Chart

Bore Size (In.)	Bore Size (MM)	Ring Width	Top Ring Type	Top Ring Code	2nd Ring Code	Oil Ring Code	Oil Ring Tension	# in Set	Set Part Number
3,465	88,00	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3465XC
3,465	88,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8800XX
3,484	88,50	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3484XC
3,484	88,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8850XX
3,504	89,00	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3504XC
3,504	89,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8900XX
3,514	89,25	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3514XC
3,524	89,50	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3524XC
3,524	89,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	8950XX
3,534	89,76	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3534XC
3,543	90,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9000XX
3,544	90,02	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3544XC
3,552	90,22	1.5mm-1.5mm-3mm	Gas Nitrited	CUS	IPA	CUS	Std.	1	3552GNX
3,553	90,25	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9025XX
3,563	90,50	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3563XC
3,563	90,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9050XX
3,572	90,73	1.5mm-1.5mm-3mm	Gas Nitrited	CUS	IPA	CUS	Std.	1	3572GNX
3,573	90,75	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9075XX
3,583	91,00	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3583XC
3,583	91,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9100XX
3,602	91,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9150XX
3,605	91,57	1/16-1/16-1/8	Moly	DMB	IPT	CUS	Std.	1	3605VE
3,622	92,00	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3622XC
3,622	92,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9200XX
3,630	92,20	1.5mm-1.5mm-3mm	Gas Nitrited	CUS	IPA	CUS	Std.	1	3635GNX
3,632	92,25	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9225XX
3,635	92,33	1.5mm-1.5mm-3mm	Gas Nitrited	CUS	IPA	CUS	Std.	1	3635GNX
3,640	92,46	1.5mm-1.5mm-3mm	Gas Nitrited	CUS	IPA	CUS	Std.	1	3640GNX
3,642	92,50	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3642XC
3,642	92,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9250XX
3,650	92,71	1.5mm-1.5mm-3mm	Gas Nitrited	CUS	IPA	CUS	Std.	1	3650GNX
3,651	92,75	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9275XX
3,661	93,00	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3661XC
3,661	93,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9300XX
3,681	93,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9350XX
3,701	94,00	1.0mm-1.2mm-2.8mm	Moly	CUS	IPA	CUS	Std.	1	3701XC
3,701	94,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9400XX
3,701	94,00	2.0mm-2.0mm-4mm			IPT				3701E
3,711	94,25	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9425XX
3,720	94,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9450XX
3,740	95,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9500XX
3,740	95,00	1.2mm-1.5mm-4.0mm	Moly	CUS	IPA	CUS	Std.	1	3740XH
3,741	95,00	1.2mm-1.5mm-2.0mm	Moly	CUS	IPA	CUF	Std.	1	3741XS
3,760	95,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9550XX
3,760	95,50	1.2mm-1.5mm-2.0mm	Moly	CUS	IPA	CUF	Std.	1	9550XS
3,760	95,50	1.2mm-1.5mm-4.0mm	Moly	CUS	IPA	CUS	Std.	1	3760XH
3,766	95,67	1.5mm-1.5mm-3.0mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	3766GNX
3,766	95,67	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	3766H
3,770	95,75	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9575XX
3,780	96,00	1.2mm-1.2mm-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	3780GFX
3,780	96,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9600XX
3,780	96,00	1.2mm-1.5mm-2.0mm	Moly	CUS	IPA	CUF	Std.	1	9600XS
3,780	96,00	1.2mm-1.5mm-4.0mm	Moly	CUS	IPA	CUS	Std.	1	3780XH
3,785	96,14	1/16-1/16-3mm	Moly	DMB	IPT	CUS	Std.	1	3785HF
3,796	96,42	1.5mm-1.5mm-3.0mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	3796GNX
3,796	96,42	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	3796H
3,800	96,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9650XX
3,800	96,50	1.2mm-1.5mm-2.0mm	Moly	CUS	IPA	CUF	Std.	1	9650XS
3,800	96,50	1.2mm-1.2mm-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	3800GFX
3,805	96,65	1/16-1/16-3mm	Moly	DMB	IPT	CUS	Std.	1	3805HF
3,810	96,77	1.5mm-1.5mm-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	3810GNX
3,810	96,77	1/16-1/16-3/16	Moly	DMB	IPT	CUL	low	1	3810A
3,819	97,00	1.2mm-1.5mm-2.0mm	Moly	CUS	IPA	CUF	Std.	1	3819XS
3,819	97,00	1.2mm-1.5mm-2.0mm	Steel Moly	SGP	IPN	CUF	Std.	1	9700VF
3,819	97,00	1.2mm-1.5mm-4.0mm	Moly	CUS	IPA	CUS	Std.	1	3819XH
3,820	97,03	1.5mm-1.5mm-3.0mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	3820GNX
3,820	97,03	1/16-1/16-3/16	Moly	DMB	IPT	CUL	low	1	3820A
3,820	97,03	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	3820H
3,830	97,28	1.5mm-1.5mm-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	3830GNX
3,830	97,28	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	3830H
3,835	97,41	1.5mm-1.5mm-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	3835GNX

PISTON RINGS



Wiseco Ring Chart

Bore Size (In.)	Bore Size (MM)	Ring Width	Top Ring Type	Top Ring Code	2nd Ring Code	Oil Ring Code	Oil Ring Tension	# in Set	Set Part Number
3,839	97,50	1.2mm-1.5mm-2.0mm	Moly	CUS	IPA	CUF	Std.	1	9750XS
3,839	97,50	1.2mm-1.5mm-2.0mm	Steel Moly	SGP	IPN	CUF	Std.	1	9750VF
3,839	97,50	1.2mm-1.5mm-4.0mm	Moly	CUS	IPA	CUS	Std.	1	3839XH
3,840	97,54	1.5mm-1.5mm-3.0mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	3840GNX
3,840	97,54	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	3840H
3,858	98,00	1.2mm-1.5mm-2.0mm	Moly	CUS	IPA	CUF	Std.	1	3858XS
3,858	98,00	1.2mm-1.5mm-2.0mm	Steel Moly	SGP	IPN	CUF	Std.	1	9800VF
3,858	98,00	1.2mm-1.5mm-4.0mm	Moly	CUS	IPA	CUS	Std.	1	3858XH
3,897	99,00	1.2mm-1.5mm-2.0mm	Moly	CUS	IPA	CUF	Std.	1	9900XS
3,905	99,19	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	3905H
3,905	99,19	1.5mm-1.5mm-3mm	Moly	DMB	IPT	CUL	low	1	39050GK
3,905	99,19	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	3905GFX
3,910	99,31	1/16-1/16-3mm	Moly	DMB	IPT	CUS	Std.	1	3910HF
3,915	99,44	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	3915H
3,917	99,50	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9950XX
3,917	99,50	1.2mm-1.2mm-3.0mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	3917GFX
3,917	99,50	1.2mm-1.5mm-2.0mm	Steel Moly	SGP	IPN	CUF	Std.	1	9950VF
3,927	99,75	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	9975XX
3,927	99,75	1.2mm-1.5mm-2.0mm	Steel Moly	SGP	IPN	CUF	Std.	1	9975VF
3,927	99,75	1.2mm-1.2mm-3.0mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	3927GFX
3,935	99,95	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	3935H
3,937	100,00	1.0mm-1.2mm-2.8mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	10000XX
3,937	100,00	1.2mm-1.2mm-3.0mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	3937GFX
3,937	100,00	1.2mm-1.5mm-2.0mm	Moly	CUS	IPA	CUF	Std.	1	3937XS
3,937	100,00	1.2mm-1.5mm-2.0mm	Steel Moly	SGP	IPN	CUF	Std.	1	10000VF
3,937	100,00	1.2mm-1.5mm-4.0mm	Moly	CUS	IPA	CUS	Std.	1	3937XH
3,940	100,08	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	3940H
3,940	100,08	5/64-5/64-3/16	Moly	DMB	IPT	CUS	Std.	1	3940VK
3,947	100,25	1.2mm-1.5mm-2.0mm	Steel Moly	SGP	IPN	CUF	Std.	1	10025VF
3,950	100,33	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	3950H
3,950	100,33	5/64-5/64-3/16	Moly	DMB	IPT	CUS	Std.	1	3950VK
3,957	100,50	1.2mm-1.5mm-2.0mm	Moly	CUS	IPA	CUF	Std.	1	10050XS
3,957	100,50	1.2mm-1.5mm-2.0mm	Steel Moly	SGP	IPN	CUF	Std.	1	10050VF
3,977	101,00	1.2mm-1.5mm-2.0mm	Moly	CUS	IPA	CUF	Std.	1	10100XS
3,977	101,00	1.2mm-1.5mm-2.0mm	Steel Moly	SGP	IPN	CUF	Std.	1	10010VF
3,977	101,00	1.2mm-1.5mm-4.0mm	Moly	CUS	IPA	CUS	Std.	1	3977XH
4,000	101,60	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4000H
4,000	101,60	1/16-1/16-3/16	Moly	DMB	IPT	CUL	low	8	J10008-4000-5
4,000	101,60	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4000-5
4,000	101,60	1.5-1.5-3mm	Moly	DMR	IPC	CUL	low	8	J60008-4000-5
4,000	101,60	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4000GFX
4,005	101,73	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4005H
4,005	101,73	1/16-1/16-3mm	Moly	DMB	IPT	CUS	Std.	1	4005HF
4,007	101,78	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4007GFX
4,010	101,85	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4010-0
4,014	101,96	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4014GFX
4,016	102,00	1.2mm-1.5mm-2.0mm	Moly	CUS	IPA	CUF	Std.	1	10200XS
4,016	102,00	1.2mm-1.5mm-4.0mm	Moly	CUS	IPA	CUS	Std.	1	4016XH
4,020	102,11	1/16-1/16-3/16	Moly	DMB	IPT	CUL	low	8	J10008-4020-5
4,020	102,11	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4020-5
4,020	102,11	1/16-1/16-3/16	Moly	DMB	IPT	CUF	Std.	8	S100S8-4020-5
4,022	102,16	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4022GFX
4,027	102,29	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4027GFX
4,030	102,36	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.		4030H
4,030	102,36	1/16-1/16-3/16	Moly	DMB	IPT	CUL	low	8	J10008-4030-5
4,030	102,36	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4030-5
4,030	102,36	1/16-1/16-3mm	Moly	DMB	IPT	CUL	low	8	J30008-4030-5
4,030	102,36	.043-.043-3mm	Moly	DMR	IPC	CUL	low	8	JG7708-4030-5
4,030	102,36	1/16-1/16-3/16	Moly	DMB	IPT	CUF	Std.	8	S100S8-4030-5
4,032	102,41	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4032GFX
4,035	102,49	1/16-1/16-3mm	Moly	DMB	IPT	CUS	Std.	1	4035HF
4,037	102,54	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4037GFX
4,040	102,62	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4040H
4,040	102,62	1/16-1/16-3/16	Moly	DMB	IPT	CUL	low	8	H10008-4040-5
4,040	102,62	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	H100F8-4040-5
4,040	102,62	1/16-1/16-3mm	Moly	DMB	IPT	CUL	low	8	J30008-4040-5
4,040	102,62	.043-.043-3mm	Moly	DMR	IPC	CUL	low	8	JG7708-4040-5
4,040	102,62	.043-.043-3mm	Moly	DMR	IPC	CUL	Std.	8	J700F8-4040-5
4,040	102,62	1/16-1/16-3/16	Moly	DMB	IPT	CUF	Std.	8	S100S8-4040-5
4,042	102,67	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4042GFX
4,047	102,79	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4047GFX

▲TOP

PISTON RINGS



Wiseco Ring Chart

Bore Size (In.)	Bore Size (MM)	Ring Width	Top Ring Type	Top Ring Code	2nd Ring Code	Oil Ring Code	Oil Ring Tension	# in Set	Set Part Number
4,050	102,87	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4050H
4,052	102,92	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4052GFX
4,055	103,00	1.2mm-1.5mm-2.0mm	Moly	CUS	IPA	CUF	Std.	1	10300XS
4,057	103,05	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4057GFX
4,060	103,12	1/16-1/16-3/16	Moly	DMB	IPT	CUL	low	8	J10008-4060-5
4,060	103,12	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4060-5
4,060	103,12	1/16-1/16-3mm	Moly	DMB	IPT	CUL	low	8	J30008-4060-5
4,060	103,12	.043-1/16-3mm	Moly	DMB	IPT	CUL	low	8	J40008-4060-5
4,060	103,12	.043-.043-3mm	Moly	DMR	IPC	CUL	low	8	JG7708-4060-5
4,060	103,12	1.2-1.5-3mm	Moly	DMR	IPC	CUL	low	8	J91008-4060-5
4,060	103,12	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4060GFX
4,060	103,12	1/16-1/16-3/16	Moly	DMB	IPT	CUF	Std.	8	S100S8-4060-5
4,062	103,17	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4062GFX
4,067	103,30	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4067GFX
4,070	103,38	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4070GFX
4,070	103,38	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4070H
4,070	103,38	1/16-1/16-3mm	Moly	DMB	IPT	CUS	Std.	1	4070HF
4,072	103,43	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4072GFX
4,075	103,51	1/16-1/16-3mm	Moly	DMB	IPT	CUS	Std.	1	4075HF
4,080	103,63	.043-.043-3mm	Moly	DMR	IPC	CUL	low	8	JG7708-4080-5
4,080	103,63	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4080GFX
4,080	103,63	1/16-1/16-3mm	Moly	DMB	IPT	CUS	Std.	1	4080HF
4,082	103,68	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4082GFX
4,094	104,00	1.2mm-1.5mm-2.0mm	Moly	CUS	IPA	CUF	Std.	1	10400XS
4,100	104,14	1.2-1.5-3mm	Moly	DMR	IPC	CUL	low	8	J91008-4100-5
4,100	104,14	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4102H
4,100	104,14	1/16-1/16-3mm	Moly	DMB	IPT	CUS	Std.	1	4103HF
4,102	104,19	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4102GFX
4,110	104,39	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4110H
4,120	104,65	.043-.043-3mm	Moly	DMR	IPC	CUL	low	8	JG7708-4120-5
4,125	104,78	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4125H
4,125	104,78	1/16-1/16-3/16	Moly	DMB	IPT	CUL	low	8	J10008-4125-5
4,125	104,78	1/16-1/16-3/16	Moly	DMB	IPT	CUF	Std.	8	J100F8-4125-5
4,125	104,78	1/16-1/16-3mm	Moly	DMB	IPT	CUL	low	8	J30008-4125-5
4,125	104,78	1/16-1/16-3mm	Moly	DMB	IPT	CUS	Std.	1	4125HF
4,125	104,78	.043-.043-3mm	Moly	DMR	IPC	CUL	low	8	JG7708-4125-5
4,125	104,78	.043-1.5-3mm	Moly	DMR	IPC	CUL	low	8	J70T08-4125-5
4,125	104,78	1.2-1.5-3mm	Moly	DMR	IPC	CUL	low	8	J91008-4125-5
4,125	104,78	1.5-1.5-3mm	Moly	DMR	IPC	CUL	low	8	J60008-4125-5
4,125	104,78	1/16-1/16-3/16	Moly	DMB	IPT	CUF	Std.	8	S100S8-4125-5
4,127	104,83	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4127GFX
4,130	104,90	1/16-1/16-3/16	Moly	DMB	IPT	CUL	low	8	J10008-4130-5
4,130	104,90	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4130-5
4,130	104,90	.043-.043-3mm	Moly	DMR	IPC	CUL	low	8	JG7708-4130-5
4,132	104,95	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4132GFX
4,135	105,03	1/16-1/16-3/16	Moly	DMB	IPT	CUL	low	8	J10008-4135-5
4,135	105,03	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4135-5
4,135	105,03	1.5-1.5-3mm	Moly	DMR	IPC	CUL	low	8	J60008-4135-5
4,137	105,08	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4137GFX
4,145	105,28	1/16-1/16-3/16	Moly	DMB	IPT	CUL	low	8	J10008-4145-5
4,145	105,28	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4145-5
4,145	105,28	.043-.043-3mm	Moly	DMR	IPC	CUL	low	8	JG7708-4145-5
4,145	105,28	1/16-1/16-3/16	Moly	DMB	IPT	CUF	Std.	8	S100S8-4145-5
4,147	105,33	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4147GFX
4,155	105,54	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4155H
4,155	105,54	1/16-1/16-3/16	Moly	DMB	IPT	CUL	low	8	J10008-4155-5
4,155	105,54	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4155-5
4,155	105,54	1/16-1/16-3mm	Moly	DMB	IPT	CUS	Std.	1	4155HF
4,155	105,54	.043-.043-3mm	Moly	DMR	IPC	CUL	low	8	JG7708-4155-5
4,155	105,54	.043-1/16-3/16	Moly	DMR	IPC	CUL	low	8	J20008-4155-5
4,155	105,54	1/16-1/16-3/16	Moly	DMB	IPT	CUF	Std.	8	S100S8-4155-5
4,158	105,61	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4158GFX
4,160	105,66	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4160H
4,165	105,79	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4165H
4,165	105,79	1/16-1/16-3/16	Moly	DMB	IPT	CUL	low	8	J10008-4165-5
4,165	105,79	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4165-5
4,165	105,79	.043-.043-3mm	Moly	DMR	IPC	CUL	low	8	JG7708-4165-5
4,165	105,79	1/16-1/16-3/16	Moly	DMB	IPT	CUF	Std.	8	S100S8-4165-5
4,168	105,87	.047-.047-3mm	Gas Nitrited	SGP	IPN	CUS	Std.	1	4168GFX
4,185	106,30	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4185H
4,185	106,30	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4185-5

PISTON RINGS



Wiseco Ring Chart

Bore Size (In.)	Bore Size (MM)	Ring Width	Top Ring Type	Top Ring Code	2nd Ring Code	Oil Ring Code	Oil Ring Tension	# in Set	Set Part Number
4,185	106,30	.043-.043-3mm	Moly	DMR	IPC	CUL	low	8	JG7708-4185-5
4,188	106,38	.047-.047-3mm	Steel Moly	DMB	IPC	CUS	Std.	1	4188GFM
4,195	106,55	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4195H
4,200	106,68	1/16-1/16-3mm	Moly	DMB	IPT	CUS	Std.	1	4200HF
4,203	106,76	.047-.047-3mm	Steel Moly	DMB	IPC	CUS	Std.	1	4203GFM
4,210	106,93	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4210H
4,250	107,95	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4250H
4,250	107,95	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4250-5
4,250	107,95	5/64-5/64-3/16	Moly	DMB	IPT	CUS	Std.	8	JP00F8-4250-5
4,260	108,20	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4260H
4,263	108,28	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4263H
4,280	108,71	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4280H
4,280	108,71	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4280-5
4,280	108,71	1/16-1/16-3/16	Moly	DMB	IPT	CUF	Std.	8	S100S8-4280-5
4,290	108,97	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4290H
4,310	109,47	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4310H
4,310	109,47	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4310-5
4,310	109,47	1/16-1/16-3/16	Moly	DMB	IPT	CUF	Std.	8	S100S8-4310-5
4,320	109,73	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4320H
4,320	109,73	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4320-5
4,320	109,73	1/16-1/16-3/16	Moly	DMB	IPT	CUF	Std.	8	S100S8-4320-5
4,350	110,49	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4350H
4,350	110,49	1/16-1/16-3/16	Moly	DMB	IPT	CUL	low	8	J10008-4350-5
4,350	110,49	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4350-5
4,350	110,49	1/16-1/16-3/16	Moly	DMB	IPT	CUF	Std.	8	S100S8-4350-5
4,360	110,74	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4360H
4,375	111,13	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4375H
4,375	111,13	1/16-1/16-3/16	Moly	DMB	IPT	CUL	low	8	J10008-4375-5
4,375	111,13	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4375-5
4,380	111,25	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4380H
4,390	111,51	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4390H
4,390	111,51	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4390-5
4,440	112,78	1/16-1/16-3/16	Moly	DMB	IPT	CUL	low	8	J10008-4440-5
4,440	112,78	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4440-5
4,470	113,54	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4470H
4,470	113,54	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100S8-4470-5
4,500	114,30	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4500H
4,500	114,30	1/16-1/16-3/16	Moly	DMB	IPT	CUL	low	8	J10008-4500-5
4,500	114,30	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4500-5
4,500	114,30	1/16-1/16-3/16	Manganese	DMB	IPT	CUS	Std.	8	J820F8-4500-5
4,500	114,30	.043-1/16-3/16	Manganese	HPR	IPT	CUS	Std.	8	JG86F8-4500-5
4,500	114,30	1/16-1/16-3/16	Moly	DMB	IPT	CUF	Std.	8	S100S8-4500-5
4,530	115,06	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4530H
4,530	115,06	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4530-5
4,530	115,06	.043-1/16-3/16	Manganese	HPR	IPT	CUS	Std.	8	JG86F8-4530-5
4,530	115,06	1/16-1/16-3/16	Moly	DMB	IPT	CUF	Std.	8	S100S8-4530-5
4,560	115,82	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4560H
4,560	115,82	1/16-1/16-3/16	Moly	DMB	IPT	CUL	low	8	J10008-4560-5
4,560	115,82	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100H8-4560-5
4,560	115,82	.043-1/16-3/16	Manganese	HPR	IPT	CUS	Std.	8	JG86H8-4560-5
4,560	115,82	.043-.043-3mm	Moly	DMR	IPT	CUF	low	8	JG7708-4560-5
4,560	115,82	1/16-1/16-3/16	Moly	DMB	IPT	CUF	Std.	8	S100S8-4560-5
4,570	116,08	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4570H
4,580	116,33	.043-1/16-3/16	Manganese	HPR	IPT	CUS	Std.	8	JG86F8-4580-5
4,600	116,84	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	1	4600H
4,600	116,84	1/16-1/16-3/16	Moly	DMB	IPT	CUL	low	8	J100U8-4600-5
4,600	116,84	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100L8-4600-5
4,600	116,84	.043-1/16-3/16	Moly	DMB	IPT	CUL	low	8	J200U8-4600-5
4,600	116,84	.043-1/16-3/16	Manganese	HPR	IPT	CUS	Std.	8	JG86L8-4600-5
4,600	116,84	.043-.043-3mm	Moly	DMR	IPT	CUF	low	8	JG7708-4600-5
4,600	116,84	1/16-1/16-3/16	Moly	DMB	IPT	CUF	Std.	8	S100S8-4600-5
4,610	117,09	.043-1/16-3/16	Manganese	HPR	IPT	CUS	Std.	8	JG86H8-4610-5
4,610	117,09	.043-.043-3mm	Moly	DMR	IPT	CUF	low	8	JG7708-4610-5
4,625	117,48	1/16-1/16-3/16	Moly	DMB	IPT	CUS	Std.	8	J100F8-4625-5
4,625	117,48	.043-1/16-3/16	Manganese	HPR	IPT	CUS	Std.	8	JG86F8-4625-5
4,625	117,48	.043-.043-3mm	Moly	DMR	IPT	CUF	low	8	JG7708-4625-5

PISTON ACCESSORIES

Spirolox®

Part #	Packaged Qty.	Diameter	Thickness	Material
CS22	2	.866" (22mm)	.043"	Carbon Steel
CS24	2	.912" - .940"	.072"	Carbon Steel
CS25	4	.975" - 1.000"	.084"	Carbon Steel
W5301	4	1.030"	.084"	Carbon Steel
W5314	4	1.040"	.100"	Carbon Steel
W5315	4	1.094"	.100"	Carbon Steel

Snap Ring

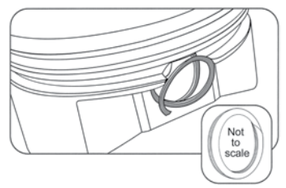
Part #	Packaged Qty.	Diameter	Thickness	Material
W5939	2	.9055" (23mm)	.042"	Carbon Steel

Wire Lock

Part #	Packaged Qty.	Diameter	Thickness	Material
CW18	2	.708" (18mm)	.049"	Chrome Silicon
W5333	2	.728" (18.5mm)	.049"	Chrome Silicon
CW19	2	.748" (19mm)	.049"	Chrome Silicon
W5509	2	.787" (20mm)	.064"	Chrome Silicon
CW20	2	.787" (20mm)	.049"	Chrome Silicon
CW21	2	.827" (21mm)	.049"	Chrome Silicon
CW28	2	.827" (21mm)	.063"	Chrome Silicon
CW22	2	.866" (22mm)	.049"	Chrome Silicon
W5590	2	.866" (22mm)	.063"	Chrome Silicon
W5594	2	.866" (22mm)	.072"	Chrome Silicon
CW29	2	.886" (22.5mm)	.063"	Chrome Silicon
W5860	2	.901" - .9055"	.072"	Chrome Silicon
CW23	2	.9055" (23mm)	.049"	Chrome Silicon
W6198	2	.9055" (23mm) Subaru OEM w/ears	.056"	
W5075	2	.912"	.072"	Chrome Silicon
W5752	2	.927"	.060"	Chrome Silicon
W5595	2	.927"	.072"	Chrome Silicon
W6045	2	.945" (24mm)	.054"	Chrome Silicon
CW24	2	.945" (24mm)	.049"	Chrome Silicon
W5242	2	.990"	.072"	Chrome Silicon
W5219	2	1.030"	.072"	Chrome Silicon

Installing Spirolox®

With the leading tip of the lock in the 12 o'clock position, insert thumb thru the center of the lock and hook it under your thumbnail at the 10 o'clock position (roughly 1/2" to the left of the leading tip). Install the leading tip into the 11 o'clock position of the groove. (If the wrist pin hole intersects the oil ring groove, lock installation is slightly more difficult as the lock will catch on the bottom ring land).



The leading edge of the lock should catch in the groove, allowing it to stay on its own. Continue by applying pressure with a counter-clockwise motion until it fully snaps into place.

The correct number of Spirolox MUST be installed in each piston or severe engine damage may occur. Do not over-stretch or re-use Spirolox. Do not install Spirolox in press-fit pin applications.

Dimpled Oil Rail Supports

Part #	Bore Range	Radial Wall
GLS16	3.165-3.249	.128RW
GLS30	3.188-3.229	.120RW
GLS31	3.245-3.288	.120RW
GLS14	3.293-3.367	.170RW
GLS32	3.307-3.347	.120RW
GLS15	3.331-3.369	.200RW
GLS22	3.344-3.396	.120RW
GLS20	3.365-3.406	.170RW
GLS33	3.365-3.406	.120RW
GLS21	3.368-3.378	.140RW
GLS13	3.370-3.426	.200RW
GLS34	3.422-3.464	.120RW
GLS17	3.425-3.465	.180RW
GLS35	3.465-3.510	.120RW
GLS8	3.480-3.550	.180RW
GLS36	3.523-3.565	.120RW
GLS3	3.560-3.605	.200RW
GLS37	3.582-3.622	.120RW
GLS11	3.606-3.650	.180RW
GLS38	3.641-3.681	.120RW
GLS6	3.680-3.732	.210RW
GLS39	3.693-3.746	.120RW
GLS10	3.730-3.760	.190RW
GLS5	3.759-3.790	.210RW
W5347	3.795-3.845	.190RW
GLS7	3.850-3.869	.190RW
W5162	3.870-3.935	.200RW
GLS41	3.894-3.950	.150RW
GLS19	3.923-3.946	.180RW
GLS1	3.936-3.965	.220RW
W4953	3.970-4.029	.200RW
GLS25	4.000-4.037	.160RW
W4954	4.030-4.059	.200RW
GLS26	4.038-4.075	.160RW
W5953	4.053-4.209	.140RW
W5080	4.060-4.080	.200RW
GLS27	4.076-4.113	.160RW
W5161	4.081-4.120	.200RW
GLS28	4.114-4.151	.160RW
W4955	4.121-4.154	.200RW
GLS29	4.152-4.265	.160RW
W4956	4.155-4.193	.200RW
GLS12	4.194-4.220	.230RW
W5156	4.250-4.285	.210RW
W5159	4.290-4.350	.200RW
W5158	4.340-4.374	.200RW
W5110	4.375-4.405	.200RW
W5111	4.420-4.475	.200RW
GLS42	4.472-4.568	.160RW
W5112	4.485-.575	.200RW
GLS43	4.496-4.592	.160RW
W5253	4.580-4.728	.200RW
GLS40	4.585-4.596	.230RW
GLS44	4.589-4.685	.160RW
GLS23	4.670-4.720	.160RW
GLS24	4.711-4.760	.160RW

PISTON ACCESSORIES

Wiseco Ring Compressor Sleeve Benefits



- Machined from Wiseco sleeve forgings to offer the same toughness as Wiseco's forged pistons.
- Hard anodized and Teflon coated for low friction and prolonged wear resistance.
- Sleeves have a smooth radius that tapers down to the specific bore size.
- Compress the piston rings smoothly and evenly.
- Greatly reduces the difficulty with installing thin high-performance oil rings.

Ring Compression Sleeves

Part Number	Bore Size(mm)	Bore Size(in)
RCS06550	65,50	2,579
RCS06600	66,00	2,598
RCS06650	66,50	2,618
RCS06700	67,00	2,638
RCS06750	67,50	2,657
RCS06800	68,00	2,677
RCS06900	69,00	2,717
RCS07000	70,00	2,756
RCS07061	70,61	2,780
RCS07087	70,87	2,790
RCS07112	71,12	2,800
RCS07137	71,37	2,810
RCS07200	72,00	2,835
RCS07300	73,00	2,874
RCS07340	73,40	2,890
RCS07400	74,00	2,913
RCS07450	74,50	2,933
RCS07500	75,00	2,953
RCS07550	75,50	2,972
RCS07600	76,00	2,992
RCS07680	76,80	3,024
RCS07700	77,00	3,031
RCS07750	77,50	3,051
RCS07800	78,00	3,071
RCS07900	79,00	3,110
RCS08000	80,00	3,150
RCS08100	81,00	3,189
RCS08150	81,50	3,209
RCS08200	82,00	3,228
RCS08250	82,50	3,248
RCS08300	83,00	3,268
RCS08350	83,50	3,287
RCS08400	84,00	3,307
RCS08450	84,50	3,327
RCS08500	85,00	3,346
RCS08550	85,50	3,366
RCS08600	86,00	3,386
RCS08650	86,50	3,406
RCS08700	87,00	3,425
RCS08750	87,50	3,445
RCS08800	88,00	3,465
RCST08800	88,00	3,465
RCS08850	88,50	3,484

RCST08850	88,50	3,484
RCS08900	89,00	3,504
RCS08950	89,50	3,524
RCS09000	90,00	3,543
RCS09050	90,50	3,563
RCS09100	91,00	3,583
RCS09200	92,00	3,622
RCS09250	92,50	3,642
RCS09300	93,00	3,661
RCS09350	93,50	3,681
RCS09400	94,00	3,701
RCS09450	94,50	3,720
RCS09500	95,00	3,740
RCS09550	95,50	3,760
RCS09600	96,00	3,780
RCS38000	96,52	3,800
RCS38100	96,77	3,810
RCS09700	97,00	3,819
RCS09750	97,50	3,839
RCS09800	98,00	3,858
RCS09850	98,50	3,878
RCS09900	99,00	3,898
RCS39040	99,14	3,903
RCS09950	99,50	3,917
RCST09950	99,50	3,917
RCST09975	99,75	3,927
RCS10000	100,00	3,937
RCST10000	100,00	3,937
RCS10100	101,00	3,976
RCS40000	101,60	4,000
RCS40050	101,73	4,005
RCS10200	102,00	4,016
RCS40200	102,11	4,020
RCS40300	102,36	4,030
RCS40400	102,62	4,040
RCS40500	102,87	4,050
RCS40600	103,12	4,060
RCS40700	103,38	4,070
RCS10400	104,00	4,094
RCS41250	104,78	4,125
RCS41350	105,03	4,135
RCS41450	105,28	4,145
RCS41550	105,41	4,150
RCS41550	105.41	4.150

Honing Brushes

These Brush hones have been specifically designed to clean the surface of the cylinder bore and provide a fresh cross-hatched surface without removing material (which can increase piston to wall clearance and ring end gap). Always use an ample amount of honing oil to carry away debris. Wash cylinders thoroughly, with hot soapy water, until paper towels remain clean with no signs of discoloration. Then prep cylinders with any anti-rust agent.



Nylon Soft Hone Brushes

Bore Range (mm)	Bore Range (Inches)	Part #	Brush Length	Overall Length
45-57mm	1.77"-2.24"	W6075	2"	10"
57-70mm	2.24"-2.76"	W6076	3"	10"
63-76mm	2.48"-2.99"	W6077	4"	14"
76-89mm	2.99"-3.50"	W6078	4"	14"
89-102mm	3.50"-4.02"	W6079	4"	14"

CONNECTING RODS

Boostline Connecting Rods

Sportcompact

Model	Engine	Part #	Rod Length	Housing Bore	Shaft Size	Piston End Width	Big End Width	Piston Pin Size	Bolt Part Nr.	Bolt Size	Gram Weight	Notes
BMW	N54B30	BM5708-866	145,00	53,607	-	20,88	20,88	22	BT61501-S	3/8"	-	
BMW	N54B30	BM5708-866+	145,00	53,607	-	20,88	20,80	22	BT61501-625	3/8"	-	Included CA625+ bolts
BMW	S54B32	BM5472-827	139,00	53,008	50	20,00	19,90	21	BT61501-S	3/8	574	
BMW	S54B32	BM5472-827+	139,00	53,008	50	20,00	19,90	21	BT61501-625	3/8	574	Included CA625+ bolts
Dodge	SRT4	CH5945-866	151,00	53,000	-	25,00	25,73	22	BT61501-S	3/8"	-	
Dodge	SRT4	CH5945-866+	151,00	53,000	-	25,00	25,73	22	BT61501-625	3/8"	-	Included CA625+ bolts
Ford	Ecoboost 2,3L	FD5866-886	149,23	55,028	52	21,82	21,82	22,5	BT61501-S	3/8	626	
Ford	Ecoboost 2,3L	FD5866-886+	149,23	55,028	52	21,82	21,82	22,5	BT61501-625	3/8	626	Included CA625+ bolts
Ford	3.5/3.7L EcoBoost	FD6012-905	152,75	59,881	-	22,00	21,67	23,00	BT71601-S	7/16	-	
Honda	B18C	HN5433-827	138,00	48,012	45	22,86	21,72	21	BT61501-S	3/8	570	
Honda	B18C	HN5433-827+	138,00	48,012	45	22,86	21,72	21	BT61501-625	3/8	570	Included CA625+ bolts
Honda	K20C	HN5658-866	143,66	51,014	48	20,00	19,86	22	BT61501-S	3/8	-	
Honda	K20C	HN5658-866+	143,66	51,014	48	20,00	19,86	22	BT61501-625	3/8	-	Included CA625+ bolts
Honda	K24	HN5984-866	152,00	51,014	48	19,86	19,86	22	BT61601-S	3/8	610	Block clearance required
Honda	K24	HN5984-866+	152,00	51,014	48	19,86	19,86	22	BT61601-625	3/8	610	Included CA625+ bolts
Mitsubishi	4G63-GEN 2	MI5906-866	150,00	48,009	45	22,86	26,37	22	BT61501-S	3/8	657	Block clearance required above 94mm stroke
Mitsubishi	4G63-GEN 2	MI5906-866+	150,00	48,009	45	22,86	26,37	22	BT61501-625	3/8	657	Included CA625+ bolts
Mitsubishi	4B11T	MI5657-905	143,70	55,005	52	19,86	21,87	23	BT61601-S	3/8	-	
Mitsubishi	4B11T	MI5657-905+	143,70	55,005	52	19,86	21,87	23	BT61601-625	3/8	-	Included CA625+ bolts
Nissan	SR20DET	NI5364-866	136,25	51,007	48	22,73	22,73	22	BT61501-S	3/8	608	
Nissan	SR20DET	NI5364-866+	136,25	51,007	48	22,73	22,73	22	BT61501-625	3/8	608	Included CA625+ bolts
Nissan	RB26DETT	NI4783-827	121,50	51,006	48	21,77	21,77	21	BT61601-S	3/8	573	
Nissan	RB26DETT	NI4783-827+	121,50	51,006	48	21,77	21,77	21	BT61601-625	3/8	573	Included CA625+ bolts
Nissan	VQ35DE	NI5677-866	144,20	55,000	52	21,00	21	22	BT61601-S	3/8	-	
Nissan	VQ35DE	NI5677-866+	144,20	55,000	52	21,00	21	22	BT61601-625	3/8	-	Included CA625+ bolts
Nissan	VR38DETT	NI6496-905	165,00	59,007	56	22,80	22,80	23	BT61601-S	3/8	703	
Nissan	VR38DETT	NI6496-905+	165,00	59,007	56	22,80	22,80	23	BT61601-625	3/8	703	Included CA625+ bolts
Opel	B20NHT	CA6004-945	152,50	52,125	-	24,38	26,50	24	BT61601-S	3/8	-	
Opel	B20NHT	CA6004-945+	152,50	52,125	-	24,38	26,50	24	BT61601-625	3/8	-	Included CA625+ bolts
Subaru	EJ20/EJ257	SB5137-905	130,50	55,010	52	21,39	21,39	23	BT61501-S	3/8	619	Block clearance required above 81mm stroke
Subaru	EJ20/EJ257	SB5137-905+	130,50	55,010	52	21,39	21,39	23	BT61501-625	3/8	619	Included CA625+ bolts
Subaru	FA20/FA20DIT	SB5090-866	129,30	53,012	-	21,41	21,41	22	BT61601-S	3/8		
Subaru	FA20/FA20DIT	SB5090-866+	129,30	53,012	-	21,41	21,41	22	BT61601-625	3/8		Included CA625+ bolts
Toyota	2JZ-GTE	TY5591-866	142,00	55,033	52	25,40	25,88	22	BT61601-S	3/8	656	Block clearance required above 94mm stroke
Toyota	2JZ-GTE	TY5591-866+	142,00	55,033	52	25,40	25,88	22	BT61601-625	3/8	656	Included CA625+ bolts
VAG 1,8/1,8T/2,0	HT/KR/PL/ AWM/9A/AXX	VW5669-787	144,00	50,610	47,75	24,94	24,94	20	BT61501-S	3/8	617	
VAG 1,8/1,8T/2,0	HT/KR/PL/ AWM/9A/AXX	VW5669-787+	144,00	50,610	47,75	24,94	24,94	20	BT61501-625	3/8	617	Included CA625+ bolts
VAG	2,0L TFSI	VW5669-827	144,00	50,610	47,75	22,00	21,89	21	BT61501-S	3/8	-	
VAG	2,0L TFSI	VW5669-827+	144,00	50,610	47,75	22,00	21,89	21	BT61501-625	3/8	-	Included CA625+ bolts
VAG	2,0L TFSI	VW5669-866	144,00	50,610	47,75	22,00	21,89	22	BT61501-S	3/8	-	
VAG	2,0L TFSI	VW5669-866+	144,00	50,610	47,75	22,00	21,89	22	BT61501-625	3/8	-	Included CA625+ bolts
VAG	2,0L TFSI	VW5669-905	144,00	50,610	47,75	22,00	21,89	23	BT61501-S	3/8	-	
VAG	2,0L TFSI	VW5669-905+	144,00	50,610	47,75	22,00	21,89	23	BT61501-625	3/8	-	Included CA625+ bolts

Note: All sizes in mm (millimeter) / All available as single Rods, add letter "S" behind the part numbers!

CONNECTING RODS

Boostline Connecting Rods

Sportcompact

Model	Engine	Part #	Rod Length	Housing Bore	Shaft Size	Piston End Width	Big End Width	Piston Pin Size	Bolt Part Nr.	Bolt Size	Gram Weight	Notes
VAG	AAN/3B/ABY/ ADU 5-Cyl	VW5670-787	144,00	50,610	47,75	24,94	24,94	20	BT61501-S	3/8	-	
VAG	AAN/3B/ABY/ ADU 5-Cyl	VW5670-787+	144,00	50,610	47,75	24,94	24,94	20	BT61501-625	3/8	-	Included CA625+ bolts
VAG	2,5L TTRS 5-Cyl	VW5670-866	144,00	50,610	47,75	22,00	21,89	22	BT61501-S	3/8	-	
VAG	2,5L TTRS 5-Cyl	VW5670-866+	144,00	50,610	47,75	22,00	21,89	22	BT61501-625	3/8	-	Included CA625+ bolts

Domestic V8

Model	Engine	Part #	Rod Length	Housing Bore	Shaft Size	Piston End Width	Big End Width	Piston Pin Size	Bolt Part Nr.	Bolt Size	Gram Weight
Chevrolet	Chevy LS&GEN V LT1	LS6125-927	6,125	2,225	-	1,010	0,940	0,927	BT71401-S	7/16	692
Chevrolet	Small Block (stroker)	SC5700-927	5,700	2,225	-	1,010	0,940	0,927	BT71401-S	7/16	-
Chevrolet	Small Block	SC5850-927	5,850	2,225	-	1,010	0,940	0,927	BT71401-S	7/16	681
Chevrolet	Small Block	SC6000-927	6,000	2,225	-	1,010	0,940	0,927	BT71401-S	7/16	689
Chevrolet	Big Block	BC6135-990	6,135	2,325	-	1,062	0,992	0,990	BT71601-S	7/16	-
Chevrolet	Big Block	BC6385-990	6,385	2,325	-	1,062	0,992	0,990	BT71601-S	7/16	751
Chevrolet	Big Block	BC6700-990	6,700	2,325	-	1,062	1,062	0,990	BT71601-S	7/16	-
Dodge	6.2L Gen3 Hellcat	CH6200-945	6,200	2,252	-	0,900	0,933	0,945	BT71601-S	7/16	-
Ford	Small Block	FD5400-927	5,400	2,252	-	1,000	0,831	0,927	BT71401-S	7/16	-
Ford	Small Block	FD6125-927	6,125	2,252	-	1,000	0,940	0,927	BT71401-S	7/16	-
Ford	Small Block	FD6200-927	6,200	2,252	-	1,000	0,940	0,927	BT71401-S	7/16	-
Ford	Modular&Coyote	FD5933-866	5,933	2,239	-	0,965	0,940	0,866	BT71601-S	7/16	696

Note: All sizes in Inch / All available as single Rods, add letter “S” behind the part numbers!

Bolt Part Number	Thread Size	UHL(MM)	Recommended Stretch(MM)	Torque & Angle	Material	"Tensile Strength"
BT61501-S	3/8"	38,10	0,1397-0,1498	33,8954 + 55 deg	ARP 2000	200.000
BT61501-625	3/8"	38,10	0,1397-0,1498	33,8954 + 55 deg	ARP CA625+	280.000
BT61601-S	3/8"	40,64	0,1422-0,1524	33,8954 + 55 deg	ARP 2000	200.000
BT61601-625	3/8"	40,64	0,1422-0,1524	33,8954 + 55 deg	ARP CA625+	280.000
BT71401-S	7/16"	35,56	0,1143-0,1270	40,6745 + 50 deg	ARP 2000	200.000
BT71601-S	7/16"	40,64	0,1524-0,1627	40,6745 + 60 deg	ARP 2000	200.000



CONNECTING RODS

Sport Compact Billet H-Beam Connecting Rods

Model	Engine	Part#	Rod Length	Housing Bore	Shaft Size	Piston Pin Size	Bolt Part Nr.	Gram Weight	Piston End Width	Big End Width
Alfa Romeo	105	001EG17157	157	53,7	50,7	22	BT61601-S	657	23,9	26,7
BMW	M50B25/M52B28	005AX17135	135	48,0	45	22	BT61501-S	489	21,9	21,9
BMW	M50B25Tu/M52B25Tu	005AX17140	140	48,0	45	22	BT61501-S	503	21,9	21,9
BMW-Mini	Prince (N12B16A/ N14B16A)	005EA14139 *possible block clearace issue	138,5	48,0	45	20	BT61501-S	506	20,8	20,8
BMW-Mini(W11B16)	Tritec	005EB16132	131,5	49,0	46	21	BT51500-S	490	18,5	23,3
Fiat-Lancia 8V-16V	2,0 L	010ED17145	145	53,9	50,8	22	BT61601-S	571	25,7	25,7
Ford	1,6L Ecoboost	011EM16134	134	47,0	44	21	BT51500-S	501	20,0	20,8
Ford	OHC	-	127	54,9	52	24	BT61601-S	533	25,9	25,9
Ford	YB	011BP29129	128,5	55,0	52	24	BT61601-S	557	26,0	26,0
Ford	2,0L N7A/N9F DOHC	011EF14149	149,3	53,9	50,9	20	BT61501-S	568	21,0	25,7
Ford	ST 2,5L	044DW21143	143	53,0	50	23	BT61601-S	582	22,0	25,7
Ford (I-Beam)	ST 2,5L	344DW21143	143	53,0	50	23	BT61601-S	602	22,0	25,7
Ford (I-Beam)	Duratec 2,0L RS	311BO17137	137	49,9	46,9	22	BT61501-S	638	25,0	24,4
Ford	Duratec 2,0L	011BL16576	146,25	50,0	47	21	BT61501-S	516	18,0	21,8
Ford	Duratec 2,3L	011BM16155	154,79	53,0	50	21	BT61601-S	556	17,9	21,7
Ford	Duratec 3,0L	011BN16544	138,2	53,0	50	21	BT61601-S	535	21,3	21,3
Honda	H22 VTEC	015BV17143	143,15	51,0	48	22	BT61501-S	530	23,8	23,8
Honda	L15A	015BY10149	149	43,0	40	18	BT61501-S	361	17,8	17,8
Honda	K24A Turbo	015BX17152	152	51,0	48	22	BT61501-S	542	19,9	19,9
Honda (I-Beam)(Light weight)	K24A	015BX17152I	152	51,0	48	22	BT61601-S	454	19,9	19,9
Honda	B16A	015BR16529	134,3	48,0	45	21	BT61501-S	495	20,1	23,7
Honda	D17	015BT12137	137	48,0	45	19	BT61501-S	463	21,5	19,8
Honda	K20	015BW17139L	139	51,0	48	22	BT61601-S	460	19,9	19,9
Honda	K20 Turbo	015BW17139	139	51,0	48	22	BT61601-S	511	19,9	19,9
Honda Integra	B18A/B+B20B	015BR16137	137	48,0	45	21	BT61601-S	501	20,1	23,8
Honda Integra	B18A/B+B20B	HH5394ACFB-L4-C	137	48,0	45	21	BT51500-4	488	20,1	23,8
Honda Integra 1,8	B18C	015BS16138	138	48,0	45	21	BT61601-S	500	22,8	21,7
Honda S2000/K24 Conv,	K24	015BX17143	143,4	51,0	48	22	BT61601-S	526	24,0	19,9
Hyundai	G4KF	016CA17146	146	51,0	48	22	BT61601-S	540	21,9	21,9
Hyundai	4B11T	032CK21144	143,75	55,0	52	23	BT61601-S	540	19,9	19,9
Hyundai	3,8 Genesis	HYH5886BPGB6-A	149,5	58,0	55	22	BT61601-S	572	-	-
Mazda	NA/NB/B6/BP	028CC14133	133	48,0	45	20	BT61501-S	490	21,8	21,8
Mazda	FS-DE	028CD12135	135	51,0	48	19	BT61601-S	530	21,8	21,8
Mazda	Duratec 2,0L	011BL16576	146,25	50,0	47	21	BT61501-S	516	18,2	21,9
Mazda	MZR	011BM16155	154,75	53,0	50	21	BT61601-S	538	17,9	21,7
Mazda	Speed 6	028CF19151	150,55	55,0	52	22,5	BT61601-S	552	21,8	21,8
Mercedes 2,5 Ltr 16V	M102	MBH5866BAGB4-A	149	51,6	48	22	BT61601-S	618	22,0	22,0
MGB	1800	030CH15650	165,1	51,3	-	20,63	BT61601-S	595	25,4	25,4
Mitsubishi	4G63-GEN 1	032CI16150	150	48,0	45	21	BT61501-S	533	28,3	28,3
Mitsubishi	4G63-GEN 2	032CJ17150	150	48,0	45	22	BT61501-S	584	22,9	26,4
Mitsubishi	4G63-GEN 2	MH6142ACGB-L4-A	156	48,0	45	22	BT61501-S	524	22,9	26,4
Mitsubishi	4G63/4G64	032CJ17162	162	48,0	45	22	BT61601-S	595	26.4	26.4
Mitsubishi	4G94	032CM12153	153	50,0	47	19	BT61501-S	486	21,9	21,9
Mitsubishi	4G93	032CN12133	133,35	47,7	44,7	19	BT61601-S	483	21,8	21,8
Mitsubishi	4B11T	032CK21144	143,75	55,0	52	23	BT61601-S	540	19,9	21,9
Nissan	CA16/CA18DET	033CO14133	132,9	48,0	45	20	BT61601-S	550	20,9	24,1
Nissan	KA24	033CP16165	165	53,0	50	21	BT61601-S	624	25,2	24,7
Nissan	RB25/RB26	033CR16122	121,5	51,0	48	21	BT61501-S	498	21,8	21,8
Nissan	SR20	033CS17136	136,25	51,0	48	22	BT61501-S	524	22,9	22,8
Nissan	QR25	033CQ14143	143	48,0	45	20	BT61601-S	535	22,9	22,8

Note: All K1 Rods have straight pin end!

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CONNECTING RODS

Sport Compact Rods

Model	Engine	Part#	Rod Length	Housing Bore	Shaft Size	Piston Pin Size	Bolt Part Nr.	Gram Weight	Piston End Width	Big End Width
Nissan	VQ35	033CV17144	144,2	55,0	52	22	BT61501-S	521	22,9	20,8
Nissan	VQ37 VHR	033CW17150	149,5	60,0	57	22	BT61501-S	575	20,8	20,8
Opel-Vauxhall	X16XE	OPH5110BGWB4-A	129,75	46,0	43	18	BT61501-S	432	18,1	21,9
Opel-Vauxhall	C20XE/LET/NE	042DO16143	143,1	52,0	49	21	BT61501-S	525	22,0	26,3
Opel-Vauxhall	CIH/C2,4NE	012EI17134	134	55,0	52	22	BT61501-S	528	24,7	24,7
Opel-Vauxhall	Ecotec 2,0L(LSJ)	012BC21146	145,5	52,0	49	23	BT61601-S	-	19,0	17,9
Peugeot	Prince	005EA14139	138,5	48,0	45	20	BT61501-S	-	20,8	20,8
Peugeot	EW10	PEH5472BLFB4-A	139	48,7	45	21	BT61601-S	528	19,3	24,3
Peugeot	TU5JP4	034CY43134	133,6	48,7	45	19,5	BT61601-S	506	17,8	23,9
Peugeot	XU10	034EC21152	152	53,7	50	23	BT61601-S	533	19,1	24,0
Renault	F7P/F7R/F4R	037DZ16144	144	51,6	48	21	BT61601-S	627	24,9	24,9
Subaru	EJ25 SOHC	039DD21132	131,6	55,0	52	23	BT61501-S	547	22,8	21,4
Subaru	EJ20/EJ22/EJ257	039DD21131	130,5	55,0	52	23	BT61501-S	533	21,4	21,4
Subaru	EZ33	039DD17132	131,5	55,0	-	22	BT61501-S	-	18,9	20,32
Suzuki	M16/M18	040DE14136	136	45,0	42	20	BT61501-S	480	18,8	23,8
Toyota	2JZ-GTE	041DJ17142	142	55,0	52	22	BT61601-S	562	25,5	26,3
Toyota	2AZ-FE	041DI17150	149,5	51,0	48	22	BT61601-S	514	19,8	19,8
Toyota	1UZ/2UZ/3UZ-FE	TH5748AJGB8-A	146	55,0	52	22	BT61601-S	559	21,0	22,9
V.A.G. 1,3 G40	PY G40	043EE14122	122	45,0	42	20	BT61501-S	510	23,9	23,9
V.A.G. 1,3 G40	PY G40	VWH4803ABGB4-A	122	45,0	42	22	BT61501-S	510	23,9	23,9
V.A.G. 1,6 8V Golf I	EE/YP/FP	043DT17136	136	49,0	46	22	BT61601-S	-	24,9	24,9
V.A.G. 1,6 16V Polo GTI	AJV/AFH	043EJ09138	138	50,6	47,75	17	BT51500-S	465	20,0	20,0
V.A.G. 1,8 8V G60	PG G60	043DS17136	136	50,6	47,75	22	BT61601-S	525	24,9	24,9
V.A.G. 1,8/1,8T/2,0	KR/PL/9A/AXX	043DQ14144	144	50,6	47.75	20	BT61501-S	525	25,0	25,0
V.A.G. 2,0 TSI (I- Beam)	CAWA/CCZB(EA888)	343PE16144	144	50,6	47,75	21	BT61501-S	625	25,0	21,9
V.A.G. 2,0 TSI (H- Beam)	CAWA/CCZB(EA888)	043DQ17144N	144	50,6	47,75	22	BT61501-S	-	25,0	21,9
V.A.G. 2,0 TFSI (I- Beam)	BHZ/CDLA(EA113)	343EL16144	144	50,6	47,75	21	BT61501-S	635	25,0	25,0
V.A.G. 2,0	ABF/ABA	043DQ16159	159	50,6	47.75	21	BT61601-S	565	24,9	24,9
V.A.G. 5 CYL,	3B/ADU	043DP14144	144	50,6	47.75	20	BT61501-S	575	24,9	24,9
V.A.G. 6 CYL,(for bore 81,50mm and bigger)	VR5/VR6/R32	VWH6457BNCB6-C	164	56,8	53,95	20	BT51500-4	511	19,9	19,9
V.A.G. 6 CYL,(for bore 84mm and bigger)	VR6/R32	043DR14164	164	56,8	53,95	20	BT61601-S	560	19,9	19,9
Volvo	B230/B234	044DV21152	152	52,0	49	23	BT71601-S	735	24,8	29,5
Volvo (I-Beam)	B230/B234	344DV21152	152	52,0	49	23	BT71601-S	696	24,8	29,5
Volvo (I-Beam)	B230/B234	344DV21158	158	52,0	49	23	BT71601-S	709	24,8	29,5
Volvo(also fits 81mm bores)	B5254	044DW21143	143	53,0	50	23	BT61601-S	582	22,0	25,7
Volvo (I-Beam)(also fits 81mm bores)	B5254	344DW21143	143	53,0	50	23	BT61601-S	602	22,0	25,7
Volvo	B5234	044DW21140	139,5	53,0	50	23	BT61601-S	584	21,9	25,6

Note: All K1 Rods have straight pin end!

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CRANKSHAFTS

Sport Compact Crankshafts

Model & Billet	Remark	Engine Code	Part #	Stroke mm.	Main & Rod Journal	Flange	Weight
Alfa Romeo							
33	Billet crank (BTO 5x)	AR3055	001AEG078	78	stock size	stock size	-
Ford							
Zetec 2,0	Billet crank (BTO 5x)	Zetec	Z920ZETEC-B	92	stock size	stock size	16,2 kg
Mitsubishi							
Mitsubishi 4G63 88mm	Light weight	4G63	032BCJ880	88	stock size	7 Bolt	14,7 kg
Mitsubishi 4G63 94mm	Light weight	4G63	032BCJ940	94	57 & 45	7 Bolt	14,8 kg
Mitsubishi 4G63 100mm	Light weight	4G63	032BCJ100	100	57 & 45	7 Bolt	14,9 kg
Mitsubishi 4B11 98mm	Billet crank	4B11	032DCK980	98	52 & 52	7 Bolt	-
Nissan							
Nissan SR20 92mm Crank	Billet crank	SR20	033ECS920*	92	55 & 48	8-Bolt	19,0 kg
*Used in RNN14 crankcase machine work required							
Renault							
Renault F7 73mm crank	Light weight (BTO 5x)	F7(P/R)	R730F7R-C	73	Stock & VW	7-Bolt	14,0 kg
Subaru							
Subaru EJ20 75mm Dual Thrust	Billet crank	EJ20	039ADD750	75	60 & 52	8 Bolt	9,5 kg
Subaru EJ25 79mm Dual Thrust	Billet crank	EJ25	039ADD790	79	60 & 52	8 Bolt	9,5 kg
Subaru EJ25 83mm Dual Thrust	Billet crank	EJ25	039ADD830	83	60 & 52	8 Bolt	9,5 kg
VAG (Volkswagen/Audi/Škoda/Seat)							
2,0 GTI (W/O Trigger Wheel)	Light weight (BTO 5x)	ABA/ABF	043BDQ928	92,8	54 & 47,8	6-Bolt	14,7 kg
Volvo							
B230	Billet crank (BTO 5x)	B230	044ADV800	80	63 & 49	8 Bolt	17,9 kg
B230	Billet crank	B230	044ADV860	86	63 & 49	8 Bolt	18,4 kg

K1 Replacement Bolts/Material Guide

Part#	Size	Length (mm)	Material	Head Stamp	Recommended Stretch MM	Torque NM & Angle	"Tensile Strength" Psi
BT51500-S	5/16	38,10	ARP 2000	ARP 2000	0,1270-0,1397	27,1163 + 25 deg	200.000
BT51500-4	5/16	38,10	ARP CA625+	-	0,1397-0,1524	27,1163 + 20 deg	280.000
BT61501-S	3/8	38,10	ARP 2000	ARP 2000	0,1397-0,1498	33,8954 + 55 deg	200.000
BT61501-625	3/8	38,10	ARP CA625+	ARP 2000	0,1397-0,1498	33,8954 + 55 deg	280.000
BT61600-1	3/8	40,64	ARP 8740	K1 Teck ARP 8740	0,1219-0,1321	33,8954 + 50 deg	180.000
BT61601-S	3/8	40,64	ARP 2000	ARP 2000	0,1422-0,1524	33,8954 + 55 deg	200.000
BT61601-625	3/8	40,64	ARP CA625+	-	0,1397-0,1498	33,8954 + 55 deg	280.000
BT71401-S	7/16	35,56	ARP 2000	ARP 2000	0,1143-0,1270	40,6745 + 50 deg	200.000
BT71550-S	7/16	39,37	ARP 2000	ARP 2000	0,1143-0,1270	40,6745 + 60 deg	200.000
BT71601-S	7/16	40,64	ARP 2000	ARP 2000	0,1524-0,1627	40,6745 + 60 deg	200.000
BT71801-S	7/16	45,72	ARP 2000	ARP 2000	0,1727-0,1829	40,6745 + 60 deg	200.000



CONNECTING RODS

Connecting Rods

Model	Part Number	Length	Pin	Big-End Bore	Big-End Width	Gram Weight	Bolt Size	Series	Shape	Additional Info
Alfa Romeo										
1750 16V - Tbi	R-ALF-005-I	148,04	22,00	51,37	21,94	498	3/8"	Standard	I-Beam	
2,5L 12V- V6	R-ALF-004H	131,00	22,00	55,50	24,80	478	3/8"	Standard	H-Beam	
3,0L 12V- V6	R-ALF-004H	131,00	22,00	55,50	24,80	478	3/8"	Standard	H-Beam	
3,0L 24V- V6	R-ALF-004H	131,00	22,00	55,50	24,80	478	3/8"	Standard	H-Beam	
BMW										
1,6L 8V - M40B16	R-BMW-002-I-4	140,00	22,00	48,00	21,90	498	3/8"	Standard	I-Beam	
1,6L 8V - M43B16	R-BMW-002-I-4	140,00	22,00	48,00	21,90	498	3/8"	Standard	I-Beam	
1,8L 16V - M42B18	R-BMW-007-I	139,95	22,00	48,00	21,97	492	3/8"	Standard	I-Beam	
1,9L 16V - M44B19	R-BMW-007H	139,95	22,00	48,00	21,97	485	3/8"	Standard	H-Beam	
1,9L 16V - M44B19	R-BMW-007-I	139,95	22,00	48,00	21,97	492	3/8"	Standard	I-Beam	
2,0L 16V - S14B20	R-BMW-011H	150,00	22,00	52,00	23,90	551	3/8"	Standard	H-Beam	
2,0L 8V - M10B20	R-BMW-008-I	135,00	22,00	52,00	23,90	601	3/8"	Standard	I-Beam	
2,0L 16V - S14B20	R-BMW-011H	150,00	22,00	52,00	23,90	494	3/8"	Standard	H-Beam	
2,0L 16V - B48B20	R-MIN-003-I	148.17	22.00	53.60	23.90	596	3/8"	Standard	I-Beam	Tapered Pin End
2,3L 16V - S14B23	R-BMW-001H	144,00	22,00	52,00	23,90	566	3/8"	Standard	H-Beam	
2,3L 16V - S14B23	R-BMW-001-I	144,00	22,00	52,00	23,90	566	3/8"	Standard	I-Beam	
2,5L 16V - S14B25	R-BMW-001-I	144,00	22,00	52,00	23,90	499	3/8"	Standard	I-Beam	
2,5L 24V - M50B25	R-BMW-006-I	135,00	22,00	48,00	21,90	498	3/8"	Standard	I-Beam	
2,5L 24V - M50B25 Single Vanos	R-BMW-002-I	140,00	22,00	48,00	21,90	498	3/8"	Standard	I-Beam	
2,5L 24V - M52B25 Single Vanos	R-BMW-002-I	140,00	22,00	48,00	21,90	544	3/8"	Standard	I-Beam	
2,5L 24V - M54B25	R-BMW-003H	145,00	22,00	48,00	21,90	499	3/8"	Standard	H-Beam	
2,8L 24V - M52B28	R-BMW-006-I	135,00	22,00	48,00	21,90	499	3/8"	Standard	I-Beam	
3,0L 24V - M54B30	R-BMW-006-I	135,00	22,00	48,00	21,90	574	3/8"	Standard	I-Beam	
3,0L 24V - S50B30	R-BMW-005-I	142,00	21,00	53,00	21,90	450	3/8"	Standard	I-Beam	
3,0L 24V - N52B30	R-BMW-020-I	147.35	20.00	53,63	20.90	488	3/8"	Standard	I-Beam	Non-Tapered Pin End / Straight PE
3,0L 24V - N54B30	R-BMW-018-I	145.00	22.00	53,635	20.88	487	3/8"	Standard	I-Beam	Non-Tapered Pin End / Straight PE
3,0L 24V - N55B30	R-BMW-019-I	144.35	22.00	53,635	20.88	499	3/8"	Standard	I-Beam	Non-Tapered Pin End / Straight PE
3,2L 24V - M50B32US	R-BMW-006-I	142,00	21,00	53,00	21,90	550	3/8"	Standard	I-Beam	
3,2L 24V - S50B32	R-BMW-004H	139,00	21,00	53,00	21,90	502	3/8"	Standard	H-Beam	
3,2L 24V - S54B32	R-BMW-012-I	139,00	21,00	53,00	19,91	547	3/8"	Standard	I-Beam	
3,5L 12V - M30B35	R-BMW-013-I	135,00	22,00	52,00	23,90	566	3/8"	Standard	I-Beam	
3,5L 24V - S38B36	R-BMW-001-I-6	144,00	22,00	52,00	23,90	535	3/8"	Standard	I-Beam	
3,8L 24V - S38B38	R-BMW-009H	142,50	22,00	52,00	24,00	499	3/8"	Standard	H-Beam	
4,0L 32V - S65B40	R-BMW-014-I	140,72	21,00	56,00	18,45	548	3/8"	Standard	I-Beam	
4,9L 32V - S62B50	R-BMW-010H	141,50	22,00	53,00	20,90	499	3/8"	Standard	H-Beam	
5,0L 24V - M70B50	R-BMW-017-I	135,00	22,00	48,00	21,90	499	3/8"	Standard	I-Beam	
5,0L 40V - S85B50	R-BMW-015-I	140,72	21,00	56,00	18,45	499	3/8"	Standard	I-Beam	
Daihatsu										
1,0L 12V - CB	R-DAI-001H	125,04	19,00	46,08	24,80	387	5/16"	Standard	H-Beam	
1,0L 6V - CB	R-DAI-001H	125,04	19,00	46,08	24,80	387	5/16"	Standard	H-Beam	
Fiat										
0,9L 8V - TwinAir	R-FIA-004H	120,00	20,00	47,00	24,70	340	5/16"	Standard	H-Beam	Aluminum – silicon-bronze bushings
0,9L 8V - TwinAir	R-FIA-005-H	130,00	20,00	47,00	24,65	361	5/16"	Standard	H-Beam	AMPCO 18 bushings
1,4L 8V Turbo - 146/176	R-FIA-001-I	128,52	22,00	48,63	25,40	520	3/8"	Standard	I-Beam	Aluminum – silicon-bronze bushings
2,0L 16V - 836A3	R-FIA-003-I	129,00	18,00	45,11	21,70	406	5/16"	Standard	I-Beam	Tapered Pin End / Also fits OEM pistons / AMPCO 18 bushings
2,0L 20V - 175A3/182A1	R-FIA-002H	145,00	22,00	51,37	21,95	533	3/8"	Standard	H-Beam	Aluminum – silicon-bronze bushings
2,0L 20V - 175A3/182A1	R-FIA-002-I	145,00	22,00	51,37	21,95	566	3/8"	Standard	I-Beam	AMPCO 18 bushings
Ford										
1,0L 12V Eco Boost	R-FOR-006-I	137,00	20,00	43,00	19,55	-	5/16"	Standard	I-Beam	Non-Tapered Pin End
1,6L 16V Eco Boost - HXJA/HXJB/JTJA	R-FOR-007-I	134,02	21,00	47,04	20,80	-	5/16"	Standard	I-Beam	Tapered Pin End
2,0L 16V Duratec - AODA/N4JA/N4JB	R-FOR-004H	146,25	21,00	50,023	21,82	456	3/8"	Standard	H-Beam	
2,0L 16V Duratec - AODA/N4JA/N4JB	R-FOR-004-I	146,25	21,00	50,023	21,82	555	3/8"	Standard	I-Beam	
2,0L 16V Eco Boost - TNCD/TNCF	R-FOR-008-I	155,86	22,50	55,04	21,84	575	3/8"	Heavy Duty	I-Beam	Non-Tapered Pin End
2,0L 16V - YB/N5	R-FOR-001-I	128,50	24,00	55,00	25,85	588	3/8"	Standard	I-Beam	
2,0L 16V - YB/N5	R-FOR-003H	133,50	24,00	55,00	25,85	457	3/8"	Standard	H-Beam	Longer rods +5,00mm
2,0L 16V - YB/N5	R-FOR-003-I	133,50	24,00	55,00	25,85	-	3/8"	Heavy Duty	I-Beam	Longer rods +5,00mm
2,0L 16V - YB/N5	R-FOR-EN24-003	133,50	24,00	55,00	25,85	542	3/8"	Heavy Duty	I-Beam	Longer rods +5,00mm
2,0L 16V - YB/N5	R-FOR-002-I	136,50	24,00	55,00	25,85	626	3/8"	Standard	I-Beam	Longer rods +8,00mm
2,3L 16V Eco Boost - YVDA	R-FOR-009-I	149,25	22,50	55,04	21,84	576	3/8"	Heavy Duty	I-Beam	Non-Tapered Pin End
2,5L 20V Duratec RS - HUBA/JZDA	R-FOR-005-I	143,00	23,00	52,98	25,65	551	3/8"	Standard	I-Beam	
Honda										
1,6L 16V - B16A	R-HON-001H	134,40	21,00	48,00	23,75	482	3/8"	Standard	H-Beam	Recommended usage: Natural Aspirated
1,6L 16V - B16A	R-HON-001-I	134,40	21,00	48,00	23,75	537	3/8"	Heavy Duty	I-Beam	Recommended usage: Turbo
1,8L 16V - B18A1	R-HON-002H	137,00	21,00	48,00	23,75	390	5/16"	Standard	H-Beam	Recommended usage: Natural Aspirated

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CONNECTING RODS

Connecting Rods

Connecting Rods

Model	Part Number	Length	Pin	Big-End Bore	Big-End Width	Gram Weight	Bolt Size	Series	Shape	Additional Info
Honda										
1,8L 16V - B18A1	R-HON-002-I	137,00	21,00	48,00	23,75	526	3/8"	Heavy Duty	I-Beam	Recommended usage: Turbo
1,8L 16V - B18B1	R-HON-002H	137,00	21,00	48,00	23,75	390	5/16"	Standard	H-Beam	Recommended usage: Natural Aspirated
1,8L 16V - B18B1	R-HON-002-I	137,00	21,00	48,00	23,75	526	3/8"	Heavy Duty	I-Beam	Recommended usage: Turbo
1,8L 16V - B18C1/C5	R-HON-003H	138,00	21,00	48,00	21,79	486	3/8"	Standard	H-Beam	Recommended usage: Natural Aspirated
1,8L 16V - B18C1/C5	R-HON-003HL	138,00	21,00	48,00	21,79	405	3/8"	Standard	H-Beam	Recommended usage: Natural Aspirated
1,8L 16V - B18C1/C5	R-HON-003I	138,00	21,00	48,00	21,79	516	3/8"	Standard	I-Beam	Recommended usage: Turbo
1,8L 16V - B18C1/C5	R-HON-003-I	138,00	21,00	48,00	21,79	534	3/8"	Heavy Duty	I-Beam	Recommended usage: Turbo
1,8L 16V - B18C1/C5	R-HON-EN24-003	138,00	21,00	48,00	21,79	518	3/8"	Heavy Duty	I-Beam	Recommended usage: Turbo
1,8L 16V - B18LS (A1/B1 with B16A VTEC Head)	R-HON-002H	137,00	21,00	48,00	23,75	390	5/16"	Standard	H-Beam	Recommended usage: Natural Aspirated
1,8L 16V - B18LS (A1/B1 with B16A VTEC Head)	R-HON-002-I	137,00	21,00	48,00	23,75	526	3/8"	Heavy Duty	I-Beam	Recommended usage: Turbo
2,0L 16V - B20B	R-HON-002H	137,00	21,00	48,00	23,75	390	5/16"	Standard	H-Beam	Recommended usage: Natural Aspirated
2,0L 16V - B20B	R-HON-002-I	137,00	21,00	48,00	23,75	526	3/8"	Heavy Duty	I-Beam	Recommended usage: Turbo
2,0L 16V - F20C	R-HON-006H	153,00	23,00	51,00	23,85	608	3/8"	Standard	H-Beam	Tapered Pin End
2,0L 16V - F20C	R-HON-006HL	153,00	23,00	51,00	23,85	503	3/8"	Standard	H-Beam	Tapered Pin End
2,0L 16V - F20C	R-HON-006-I	153,00	23,00	51,00	23,85	625	3/8"	Heavy Duty	I-Beam	Recommended usage: Turbo
2,0L 16V - F20C	R-HON-014HL	146,75	23,00	51,00	23,85	458	3/8"	Standard	H-Beam	Tapered Pin End
2,0L 16V - F20C	R-HON-014-I	146,75	23,00	51,00	23,85	563	3/8"	Heavy Duty	I-Beam	Recommended usage: Turbo
2,0L 16V - F20C ("F24")	R-HON-016HL	145,50	23,00	51,00	19,83	444	3/8"	Standard	H-Beam	Recommended usage: Natural Aspirated
2,0L 16V - F20C ("F24")	R-HON-016-I	145,50	23,00	51,00	19,83	510	3/8"	Heavy Duty	I-Beam	Recommended usage: Turbo
2,0L 16V - K20	R-HON-010H	138,90	22,00	51,00	19,83	470	3/8"	Standard	H-Beam	Recommended usage: Natural Aspirated
2,0L 16V - K20	R-HON-010HL	138,90	22,00	51,00	19,83	436	3/8"	Standard	H-Beam	Recommended usage: Natural Aspirated
2,0L 16V - K20	R-HON-010-I	138,90	22,00	51,00	19,83	510	3/8"	Heavy Duty	I-Beam	Recommended usage: Turbo
2,0L 16V - K20	R-HON-011I	138,90	22,00	51,00	19,83	502	5/16"	Standard	I-Beam	Recommended usage: Turbo
2,0L 16V - K20	R-HON-012HL	135,50	22,00	51,00	19,83	451	3/8"	Standard	H-Beam	Recommended usage: Natural Aspirated
2,0L 16V - K20	R-HON-012-I	135,50	22,00	51,00	19,83	486	3/8"	Heavy Duty	I-Beam	Recommended usage: Turbo
2,0L 16V - K20	R-HON-013HL	148,50	22,00	51,00	19,83	453	3/8"	Standard	H-Beam	Recommended usage: Natural Aspirated
2,2L 16V - F22C	R-HON-015HL	149,65	23,00	51,00	23,85	456	3/8"	Standard	H-Beam	
2,2L 16V - H22	R-HON-008H	143,20	22,00	51,00	23,75	447	3/8"	Standard	H-Beam	Recommended usage: Natural Aspirated
Hyundai										
1,5L 12V - G4EK	R-HYU-001H	131,00	18,00	48,00	22,84	434	5/16"	Standard	H-Beam	
Lancia										
2,0L 16V - HF Integrale 16V	R-LAN-001-H	145,00	22,00	53,92	25,70	564	3/8"	Standard	H-Beam	AMPCO 18 bushings
2,0L 16V - HF Integrale 16V	R-LAN-001-I	145,00	22,00	53,92	25,70	557	3/8"	Standard	I-Beam	AMPCO 18 bushings
2,0L 16V - HF Integrale 16V	R-LAN-002HL	149,00	22,00	53,92	25,70	534	3/8"	Standard	H-Beam	Longer rods +4,00mm / Aluminum – silicon-bronze bushings
Mazda										
2,0L 16V MZR - LF	R-MAZ-001-H	132,80	20,00	48,00	21,84	418	3/8"	Standard	H-Beam	
2,0L 16V MZR - LF	R-MAZ-002H	146,25	21,00	50,023	21,82	456	3/8"	Standard	H-Beam	
2,0L 16V MZR - LF	R-MAZ-002-I	146,25	21,00	50,023	21,82	515	3/8"	Standard	I-Beam	
Mini/BMW										
1,6L 16V Tritec - W11B16	R-MIN-001-I	131,60	21,00	49,00	23,25	474	3/8"	Standard	I-Beam	
1,6L 16V Prince - N12B16A/N14B16A	R-MIN-002-I	138,55	20,00	48,00	20,87	450	3/8"	Standard	I-Beam	Tapered Pin End
2,0L 16V - B48B20	R-MIN-003-I	148.17	22.00	53.60	23.90	494	3/8"	Standard	I-Beam	Tapered Pin End
Mitsubishi										
2,0L 16V - 4B11-T	R-MIT-EN24-006	143,71	23,00	54,99	21,87	483	3/8"	Heavy Duty	I-Beam	
2,0L 16V - 4G63 7 bolt	R-MIT-002-H	150,00	22,00	48,00	26,40	552	3/8"	Standard	H-Beam	ARP2000 cap fasteners - Upgrade option to L19 material
2,0L 16V - 4G63 7 bolt	R-MIT-002-I	150,00	22,00	48,00	26,40	675	3/8"	Heavy Duty	I-Beam	ARP2000 cap fasteners - Upgrade option to L19 material
2,0L 16V - 4G63 7 bolt	R-MIT-002-IP	150,00	22,00	48,00	26,40	610	3/8"	Pro Series	I-Beam	ARP L19 cap fasteners - Upgrade option to ARP 625+ material
2,0L 16V - 4G63 7 bolt	R-MIT-003H	147,00	22,00	48,00	26,40	530	3/8"	Standard	H-Beam	ARP2000 cap fasteners - Upgrade option to L19 material
2,0L 16V - 4G63 7 bolt	R-MIT-007-I	156,00	22,00	48,00	26,40	612	3/8"	Heavy Duty	I-Beam	ARP2000 cap fasteners - Upgrade option to L19 material
2,0L 16V - 4G63 7 bolt	R-MIT-007-IP	156,00	22,00	48,00	26,40	633	3/8"	Pro Series	I-Beam	ARP L19 cap fasteners - Upgrade option to ARP 625+ material
Nissan										
1,8L 16V - CA18DET	R-NIS-001H	133,00	20,00	48,00	24,30	453	3/8"	Standard	H-Beam	
2,0L 16V - SR20DE	R-NIS-002-I	136,30	22,00	51,00	22,80	553	3/8"	Heavy Duty	I-Beam	
2,0L 16V - SR20DET	R-NIS-002-I	136,30	22,00	51,00	22,80	553	3/8"	Heavy Duty	I-Beam	
2,5L 24V - RB25DET	R-NIS-003-I	121,50	21,00	51,00	21,80	523	3/8"	Heavy Duty	I-Beam	
2,6L 24V - RB26DETT	R-NIS-003-I	121,50	21,00	51,00	21,80	523	3/8"	Heavy Duty	I-Beam	
2,8L 24V - RB28DETT	R-NIS-004H	119,50	21,00	51,00	21,80	477	3/8"	Standard	H-Beam	
3,5L 24V - VQ35	R-NIS-005-I	144,20	22,00	55,00	20,80	565	3/8"	Heavy Duty	I-Beam	"Non-Tapered Pin End"
3,8L 24V - VR38DETT	R-NIS-006-I	165,00	23,00	59,00	22,80	743	3/8"	Heavy Duty	I-Beam	Non-Tapered Pin End
3,8L 24V - VR38DETT	R-NIS-006-IP	165,00	23,00	59,00	22,80	695	3/8"	Pro Series	I-Beam	Non-Tapered Pin End
Opel/Vauxhall										
1,6L 16V - X16XE	R-OPE-002-I	129,75	18,00	46,00	21,90	403	3/8"	Standard	I-Beam	Tapered Pin End / Also fits OEM pistons
1,6L 16V - Z16LER	R-OPE-005-I	129,75	19,00	46,00	21,90	419	3/8"	Standard	I-Beam	Non-Tapered Pin End
2,0L 16V - C20LET	R-OPE-001-H	143,00	21,00	52,00	26,35	514	3/8"	Standard	H-Beam	Recommended usage: Natural Aspirated

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CONNECTING RODS

ZRP FORGED & BILLET ENGINE INTERNALS

Connecting Rods

CONNECTING RODS

Connecting Rods

Model	Part Number	Length	Pin	Big-End Bore	Big-End Width	Gram Weight	Bolt Size	Series	Shape	Additional Info
Opel/Vauxhall										
2,0L 16V - C20LET	R-OPE-001-I	143,00	21,00	52,00	26,35	532	3/8"	Standard	I-Beam	Recommended usage: Turbo
2,0L 16V - C20LET	R-OPE-006H	148,00	21,00	52,00	26,35	527	7/16"	Standard	H-Beam	Longer rods +5,00mm
2,0L 16V - C20XE	R-OPE-001-H	143,00	21,00	52,00	26,35	514	3/8"	Standard	H-Beam	Recommended usage: Natural Aspirated
2,0L 16V - C20XE	R-OPE-001-I	143,00	21,00	52,00	26,35	532	3/8"	Standard	I-Beam	Recommended usage: Turbo
2,0L 16V - C20XE	R-OPE-002-I	129,75	18,00	46,00	21,90	458	3/8"	Standard	I-Beam	Tapered Pin End / Also fits OEM pistons
2,0L 16V - C20XE	R-OPE-006H	148,00	21,00	52,00	26,35	527	7/16"	Standard	H-Beam	Longer rods +5,00mm
2,0L 16V - LNF	R-OPE-009I	145,45	23,00	52,00	23,95	547	3/8"	Standard	I-Beam	Tapered Pin End / Also fits OEM pistons
PSA										
1,6L 16V - TU5J4/TU5JP4	R-PEU-001H	133.60	18.00	48.66	23.91	461	3/8"	Standard	H-Beam	
1,6L 16V - TU5J4/TU5JP4	R-CIT-001HL	133,60	19,50	48,66	23,91	461	3/8"	Standard	H-Beam	Light weight design
1,6L 16V - TU5J4/TU5JP4	R-CIT-001-I	133,60	19,50	48,66	23,91	498	3/8"	Heavy Duty	I-Beam	
1,6L 16V - TU5J4/TU5JP4	R-CIT-004-I	137,75	18,00	48,66	23,91	435	3/8"	Standard	I-Beam	Longer rods +4,15mm / Light weight design
1,6L 16V - TU5J4/TU5JP4	R-CIT-005HL	139,00	18,00	48,66	23,91	460	3/8"	Standard	H-Beam	Longer rods +5,40mm / Light weight design
1,6L 16V - TU5J4/TU5JP4	R-CIT-006-I	141.00	18.00	48.66	23.91	442	3/8"	Standard	I-Beam	Longer rods +7.40mm / I-Beam
1,6L 16V Prince - EP6	R-PEU-002-I	138,55	20,00	48,00	20,87	450	3/8"	Standard	I-Beam	Tapered Pin End / Also fits OEM pistons
2,0L 16V - XU10J4	R-CIT-002-I	158,00	20,00	53,70	24,20	610	3/8"	Standard	I-Beam	
2,0L 16V RS - EW10J4	R-PEU-003H	139,00	21,00	48,56	24,18	493	3/8"	Standard	H-Beam	
Renault										
1,8L 16V - F7P	R-REN-001-I	144,00	21,00	51,60	25,00	513	3/8"	Standard	I-Beam	With bearing tag / Light weight design
2,0L 16V - F4R	R-REN-001-I	144,00	21,00	51,60	25,00	513	3/8"	Standard	I-Beam	With bearing tag / Light weight design
2,0L 16V - F7R	R-REN-001-I	144,00	21,00	51,60	25,00	513	3/8"	Standard	I-Beam	With bearing tag / Light weight design
Rover										
1,8L 16V - K Series	R-ROV-001-I	133,10	18,00	51,68	22,50	367	5/16"	Standard	I-Beam	
Smart										
0,6L 12V	R-SMA-001H	114,00	16,00	41,62	17,00	264	5/16"	Standard	H-Beam	
0,7L 12V	R-SMA-001H	114,00	16,00	41,62	17,00	264	5/16"	Standard	H-Beam	
0,7L 12V - Brabus/Roadster	R-SMA-002H	114,00	17,00	41,62	17,00	273	5/16"	Standard	H-Beam	
Subaru										
2,0L 16V - EJ20	R-SUB-001-H	130,50	23,00	55,00	17,00	498	3/8"	Standard	H-Beam	ARP2000 cap fasteners - Upgrade option to L19 material
2,0L 16V - EJ20	R-SUB-001-I	130,50	23,00	55,00	17,00	555	3/8"	Heavy Duty	I-Beam	ARP2000 cap fasteners - Upgrade option to L19 material
2,0L 16V - EJ20	R-SUB-001-IP	130,50	23,00	55,00	17,00	525	3/8"	Pro Series	I-Beam	ARP L19 cap fasteners - Upgrade option to ARP 625+ material
2,2L 16V - EJ22	R-SUB-001-H	130,50	23,00	55,00	17,00	498	3/8"	Standard	H-Beam	ARP2000 cap fasteners - Upgrade option to L19 material
2,2L 16V - EJ22	R-SUB-001-I	130,50	23,00	55,00	17,00	555	3/8"	Heavy Duty	I-Beam	ARP2000 cap fasteners - Upgrade option to L19 material
2,2L 16V - EJ22	R-SUB-001-IP	130,50	23,00	55,00	17,00	525	3/8"	Pro Series	I-Beam	ARP L19 cap fasteners - Upgrade option to ARP 625+ material
2,5L 16V - EJ257	R-SUB-001-H	130,50	23,00	55,00	17,00	498	3/8"	Standard	H-Beam	ARP2000 cap fasteners - Upgrade option to L19 material
2,5L 16V - EJ257	R-SUB-001-I	130,50	23,00	55,00	17,00	555	3/8"	Heavy Duty	I-Beam	ARP2000 cap fasteners - Upgrade option to L19 material
2,5L 16V - EJ257	R-SUB-001-IP	130,50	23,00	55,00	17,00	525	3/8"	Pro Series	I-Beam	ARP L19 cap fasteners - Upgrade option to ARP 625+ material
3,3L 24V - EG33	R-SUB-002-I	130,50	23,00	55,00	17,00	555	3/8"	Heavy Duty	I-Beam	ARP2000 cap fasteners - Upgrade option to L19 material
1,3L 16V - G13B	R-SUZ-002H	120,00	19,00	45,00	22,00	417	5/16"	Standard	H-Beam	
1,6L 16V - M16A	R-SUZ-001H	135,16	20,00	45,00	23,84	412	5/16"	Standard	H-Beam	
Suzuki										
GSX 1300 R Hayabusa	R-SUZ-004H	119,50	20,90	41,00	20,00	298	3/8"	Standard	H-Beam	99"-07" Model - N/A use
GSX 1300 R Hayabusa	R-SUZ-004-I	119,50	20,90	41,00	20,00	355	3/8"	Heavy Duty	I-Beam	99"-07" Model - Turbo use
GSX 1340 R Hayabusa	R-SUZ-003H	119,50	20,90	41,00	18,00	309	3/8"	Standard	H-Beam	08"-12" Model - N/A use
GSX 1340 R Hayabusa	R-SUZ-003-I	119,50	20,90	41,00	18,00	354	3/8"	Heavy Duty	I-Beam	08"-12" Model - Turbo use
GSX 1340 R Hayabusa	R-SUZ-EN24-003	119,50	20,90	41,00	18,00	408	3/8"	Heavy Duty	I-Beam	08"-12" Model - Turbo use / EN24T Alloy
Toyota										
1,3L 16V - 4E-FTE	R-TOY-001H	118,00	18,00	43,07	20,85	367	5/16"	Standard	H-Beam	
1,3L 16V - 4E-FTE	R-TOY-001-I	118,00	18,00	43,07	20,85	377	3/8"	Standard	I-Beam	
1,5L 16V - 5E-FE	R-TOY-002H	130,50	18,00	46,00	20,85	422	5/16"	Standard	H-Beam	
1,5L 16V - 5E-FE	R-TOY-002-I	130,50	18,00	46,00	20,85	426	5/16"	Standard	I-Beam	
1,6L 16V - 4A-G	R-TOY-003H	122,00	18,00	43,00	21,85	441	3/8"	Standard	H-Beam	
1,6L 16V - 4A-G	R-TOY-004H	122,00	20,00	45,00	21,85	406	3/8"	Standard	H-Beam	
1,6L 16V - 4A-G	R-TOY-004-I	122,00	20,00	45,00	21,85	435	3/8"	Heavy Duty	I-Beam	
1,6L 16V - 4A-GE	R-TOY-003H	122,00	18,00	43,00	21,85	441	3/8"	Standard	H-Beam	
1,6L 16V - 4A-GE	R-TOY-004H	122,00	20,00	45,00	21,85	406	3/8"	Standard	H-Beam	
1,6L 16V - 4A-GE	R-TOY-004-I	122,00	20,00	45,00	21,85	435	3/8"	Heavy Duty	I-Beam	
2,0L 16V - 3S-GTE	R-TOY-005-I	138,00	22,00	51,00	26,70	588	3/8"	Heavy Duty	I-Beam	
2,0L 16V - 3S-GTE	R-TOY-EN24-005	138,00	22,00	51,00	26,70	504	3/8"	Heavy Duty	I-Beam	EN24T Material
3,0L 24V - 2JZ-GTE	R-TOY-006-H	142,00	22,00	55,00	26,00	598	3/8"	Standard	H-Beam	ARP2000 cap fasteners - Upgrade option to L19 material
3,0L 24V - 2JZ-GTE	R-TOY-006-I	142,00	22,00	55,00	26,00	626	3/8"	Heavy Duty	I-Beam	ARP2000 cap fasteners - Upgrade option to L19 material
3,0L 24V - 2JZ-GTE	R-TOY-006-IP	142,00	22,00	55,00	26,00	630	3/8"	Pro Series	I-Beam	ARP L19 cap fasteners - Upgrade option to ARP 625+ material
VAG (Audi/VW/Skoda/Seat)										
1,4L 16V - AFH	R-VW-003-I	144,00	17,00	50,60	20,00	422	5/16"	Standard	I-Beam	Light-weight design

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CONNECTING RODS

Connecting Rods

CONNECTING RODS

Connecting Rods

Model	Part Number	Length	Pin	Big-End Bore	Big-End Width	Gram Weight	Bolt Size	Series	Shape	Additional Info
VAG (Audi/VW/Skoda/Seat)										
1,4L 16V - AFK	R-VW-003-I	144,00	17,00	50,60	20,00	422	5/16"	Standard	I-Beam	Light-weight design
1,4L 16V - AHW	R-VW-003-I	144,00	17,00	50,60	20,00	422	5/16"	Standard	I-Beam	Light-weight design
1,4L 16V TSI EA211 ->'12	R-VW-004-HR	144,00	19,00	50,60	23,00	457	5/16"	Standard	H-Beam	Rifle Drilled Rods
1,4L 16V TSI EA211 '12->	R-VW-005-I	140.02	19.00	50.60	20.00	397	5/16"	Standard	I-Beam	Tapered Pin End
1,8L 20V - AEB	R-AUD-001-H	144,00	20,00	50,60	24,89	447	3/8"	Standard	H-Beam	Non-Tapered Pin End / Fits aftermarket pistons
1,8L 20V - AEB	R-AUD-001-I	144,00	20,00	50,60	24,89	515	3/8"	Heavy Duty	I-Beam	Non-Tapered Pin End / Fits aftermarket pistons
1,8L 20V - AEB	R-AUD-001-IR	144,00	20,00	50,60	24,89	512	3/8"	Heavy Duty	I-Beam	"Rifle Drilled Rods / Fits aftermarket pistons"
1,8L 20V - AEB	R-AUD-002-I	144,00	19,00	50,60	25,00	537	3/8"	Standard	I-Beam	Tapered Pin End / Also fits OEM pistons
1,8L 20V - AEB	R-AUD-003-I	144,00	20,00	50,60	24,89	529	3/8"	Standard	I-Beam	Tapered Pin End / Also fits OEM pistons
1,8L 20V - AEB	R-AUD-005HL	147,20	20,00	50,60	24,89	474	3/8"	Standard	H-Beam	Longer rods +3,20mm
1,8L 20V - AWM	R-AUD-001-H	144,00	20,00	50,60	24,89	447	3/8"	Standard	H-Beam	Non-Tapered Pin End / Fits aftermarket pistons
1,8L 20V - AWM	R-AUD-001-I	144,00	20,00	50,60	24,89	515	3/8"	Heavy Duty	I-Beam	Non-Tapered Pin End / Fits aftermarket pistons
1,8L 20V - AWM	R-AUD-001-IR	144,00	20,00	50,60	24,89	512	3/8"	Heavy Duty	I-Beam	"Rifle Drilled Rods / Fits aftermarket pistons"
1,8L 20V - AWM	R-AUD-002-I	144,00	19,00	50,60	25,00	537	3/8"	Standard	I-Beam	Tapered Pin End / Also fits OEM pistons
1,8L 20V - AWM	R-AUD-003-I	144,00	20,00	50,60	24,89	529	3/8"	Standard	I-Beam	Tapered Pin End / Also fits OEM pistons
1,8L 20V - AWM	R-AUD-005HL	147,20	20,00	50,60	24,89	474	3/8"	Standard	H-Beam	Longer rods +3,20mm
1,8L 16V TSI - CDAA	R-AUD-008I	148,00	21,00	50,60	21,90	522	3/8"	Standard	I-Beam	Tapered Pin End / Also fits OEM pistons
1,9L 8V - TDI	R-VW-009-I	144,00	26,00	53,70	24,90	523	5/16"	Standard	I-Beam	Tapered Pin End / Also fits OEM pistons
2,0L 16V - ABF	R-VW-001-I	159,00	21,00	50,60	24,89	638	3/8"	Standard	I-Beam	Recommended for Turbo use
2,0L 16V - ABF	R-VW-001-IL	159,00	21,00	50,60	24,89	566	3/8"	Standard	I-Beam	Lighweight design - N/A use
2,0L 16V TFSI EA113 - AXX/BGB/BPJ/BPY/BWA	R-AUD-001-I	144,00	20,00	50,60	24,89	590	3/8"	Heavy Duty	I-Beam	Non-Tapered Pin End / Fits aftermarket pistons
2,0L 16V TFSI EA113 - AXX/BGB/BPJ/BPY/BWA	R-AUD-001-IR	144,00	20,00	50,60	24,89	546	3/8"	Heavy Duty	I-Beam	"Rifle Drilled Rods / Fits aftermarket pistons"
2,0L 16V TFSI EA113 - AXX/BGB/BPJ/BPY/BWA	R-AUD-003-I	144,00	20,00	50,60	24,89	533	3/8"	Standard	I-Beam	Tapered Pin End
2,0L 16V TFSI EA113 - AXX/BGB/BPJ/BPY/BWA	R-AUD-006HL	144,00	21,00	50,60	24,90	475	3/8"	Standard	H-Beam	(EA113) Non-Tapered Pin End / Fits aftermarket pistons
2,0L 16V TFSI EA113 - AXX/BGB/BPJ/BPY/BWA	R-AUD-006-I	144,00	21,00	50,60	24,90	520	3/8"	Heavy Duty	I-Beam	(EA113) Non-Tapered Pin End / Fits aftermarket pistons
2,0L 16V TFSI EA113 - AXX/BGB/BPJ/BPY/BWA	R-AUD-006-IR	144,00	21,00	50,60	24,90	524	3/8"	Heavy Duty	I-Beam	"(EA113) Rifle Drilled Rods / Fits aftermarket pistons"
2,0L 16V TSI EA888 - CAWA/CAWB/CCTA/CCZA/CCZB	R-AUD-009-I	144,00	21,00	50,60	21,90	488	3/8"	Heavy Duty	I-Beam	(EA888) Non-Tapered Pin End / Fits aftermarket pistons
2,0L 16V TSI EA888 - CAWA/CAWB/CCTA/CCZA/CCZB	R-AUD-010-I	144.00	22.00	50.60	21.90	492	3/8"	Heavy Duty	I-Beam	Non-Tapered Pin End
2,0L 16V TSI EA888 - CAWA/CAWB/CCTA/CCZA/CCZB	R-VW-008-IR	144,00	23,00	50,60	21,85	508	3/8"	Heavy Duty	I-Beam	(EA888) Rifle Drilled Rods / Non-Tapered Pin End
2,2L 20V - 3B	R-AUD-004-I	144,00	20,00	50,60	24,89	570	3/8"	Heavy Duty	I-Beam	Non-Tapered Pin End / Fits aftermarket pistons
2,2L 20V - AAN/ABY/ADU/RR	R-AUD-004-I	144,00	20,00	50,60	24,89	570	3/8"	Heavy Duty	I-Beam	Non-Tapered Pin End / Fits aftermarket pistons
2,5L 20V - CEPA/CEPB/DAZA	R-AUD-009-I-5	144.00	21.00	50.60	21.90	488	3/8"	Heavy Duty	I-Beam	Non-Tapered Pin End
2,5L 20V - CEPA/CEPB/DAZA	R-AUD-010-I-5	144,00	22,00	50,60	21,90	488	3/8"	Heavy Duty	I-Beam	Non-Tapered Pin End / Fits aftermarket pistons
2,5L 20V - CEPA/CEPB/DAZA	R-VW-008-IR-5	144,00	23,00	50,60	21,85	508	3/8"	Heavy Duty	I-Beam	Rifle Drilled Rods / Non-Tapered Pin End / Fits aftermarket pistons
3,2L 24V - BFH/BJSBML	R-VW-002-I	164,00	20,00	56,81	19,90	618	3/8"	Heavy Duty	I-Beam	For bore more than 84,00mm
Volvo										
1,9L 16V - B4204T	R-VOL-005-I-4	139.50	23.00	53.00	25.65	531	3/8"	Standard	I-Beam	ARP2000 cap fasteners - Upgrade option to L19 material
2,3L 8V - B23	R-VOL-002H	145,00	24,00	58,00	29,72	672	7/16"	Standard	H-Beam	ARP 8740 cap fasteners
2,3L 16V - B234F	R-VOL-003-I	152,00	23,00	52,00	29,46	618	3/8"	Standard	I-Beam	ARP2000 cap fasteners - Upgrade option to L19 material
2,3L 16V - B234F	R-VOL-004-I	158.00	23.00	52.00	29.46	604	3/8"	Standard	I-Beam	ARP2000 cap fasteners - Upgrade option to L19 material
2,3L 20V - B5234	R-VOL-005-I-5	139.50	23.00	53.00	25.65	531	3/8"	Standard	I-Beam	ARP2000 cap fasteners - Upgrade option to L19 material
2,5L 20V - B5254	R-VOL-001-I	143,00	23,00	53,00	25,65	547	3/8"	Standard	I-Beam	ARP2000 cap fasteners - Upgrade option to L19 material
2,8L 24V - B6284	R-VOL-005-I-6	139.50	23.00	53.00	25.65	531	3/8"	Standard	I-Beam	ARP2000 cap fasteners - Upgrade option to L19 material



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CONNECTING RODS

Connecting Rods

CRANKSHAFTS

Crankshafts

Model	Part Number	Stroke	Main Journal	Rod Journal	Weight Kg	Material Type	Additional Info
BMW							
2,0L 8V - M10B20	C-BMW-001	80,00	54,99	47,991	20,30	4340 Billet	
2,0L 16V - S14B20	C-BMW-001	80,00	54,99	47,991	20,30	4340 Billet	
2,3L 16V - S14B23	C-BMW-003	84,00	54,99	47,991	20,40	4340 Billet	S14B23 Standard Stroke
2,5L 16V - S14B25	C-BMW-002	87,00	54,99	47,991	20,50	4340 Billet	S14B25 Standard Stroke
2,3L 16V - S14B25	C-BMW-004	95,00	54,99	47,991	19,50	4340 Billet	S14B25 Stroker Crankshaft
3,0L 24V - S50B30	C-BMW-005	85,70	60,00	50,00	-	4340 Billet	S50B30 Standard Stroke
3,2L 24V - S50B32	C-BMW-006	91,00	60,00	50,00	-	4340 Billet	S50B32 Standard Stroke / S50B30 Stroker
Fiat							
1,6L 8V - 159A3	C-FIA-002L	67,40	50,80	45,498	9,50	4340 Billet	Standard Stroke
1,6L 8V - 159A3	C-FIA-001UL	79,00	50,80	45,498	9,25	4340 Billet	Stroker Crankshaft 1.9L
Ford							
2,0L 16V - YB/N5	C-FOR-001L	77,00	56,99	51,99	18,50	4340 Billet	Standard Stroke
2,0L 16V - YB/N5	C-FOR-002L	82,00	56,99	51,99	19,00	4340 Billet	Stroker Crankshaft
2,0L 16V - YB/N5	C-FOR-003L	84,00	56,99	51,99	19,20	4340 Billet	Stroker Crankshaft
2,0L 16V - YB/N5	C-FOR-004L	86,00	56,99	51,99	17,10	4340 Billet	Stroker Crankshaft
Honda							
2,0L 16V - F20C	C-HON-006UL	84,00	55,00	48,00	-	4340 Billet	Standard Stroke
2,0L 16V - F20C	C-HON-004UL	96,50	55,00	48,00	16,10	4340 Billet	Stroker Crankshaft
2,0L 16V - F20C	C-HON-005UL	103,00	55,00	48,00	16,30	4340 Billet	Stroker Crankshaft
2,0L 16V - K20	C-HON-003UL	93,00	55,00	48,00	16,80	4340 Billet	Stroker Crankshaft
Lancia							
2,0L 16V - HF Integrale 16V	C-LAN-001L	90,00	50,80	53,00	13,00	4340 Billet	Standard Stroke
Mini/BMW							
1,6L 16V Tritec - W11B16	C-MIN-001UL	85,50	54,97	48,00	12,75	4340 Billet	Standard Stroke
1,6L 16V Prince - N12/N14B16A	C-MIN-002	85,80	45,00	45,00	15,00	4340 Billet	Standard Stroke
Mitsubishi							
2,0L 16V - 4B11-T	C-MIT-004L	94,00	51,986	51,98	16,41	4340 Billet	Stroker Crankshaft
2,0L 16V - 4G63 7 bolt	C-MIT-001L	88,00	57,00	45,00	15,80	4340 Billet	Standard Stroke
2,0L 16V - 4G63 7 bolt	C-MIT-003L	94,00	57,00	45,00	15,90	4340 Billet	Stroker Crankshaft
2,0L 16V - 4G63 7 bolt	C-MIT-002L	100,00	57,00	45,00	16,50	4340 Billet	Stroker Crankshaft
Nissan							
2,0L 16V - SR20DE	C-NIS-001L	91,00	55,00	48,00	17,90	4340 Billet	Stroker Crankshaft / Lightweight Design
2,0L 16V - SR20DET	C-NIS-001L	91,00	55,00	48,00	16,80	4340 Billet	Stroker Crankshaft / Lightweight Design
2,6L 24V - RB26DETT	C-NIS-002L	73,70	54,965	47,97	18,80	4340 Billet	Standard Stroke / Lightweight Design
2,8L 24V - RB28DETT	C-NIS-003L	77,70	54,965	47,97	19,50	4340 Billet	Std Stroke / Lightweight Design
3,8L 24V - VR38DETT	C-NIS-004UL	94,40	65,97	55,96	18,50	4340 Billet	Stroker Crankshaft
Opel							
1,6L 16V - Z16LER	C-OPE-009L	81,50	55,00	43,00	-	4340 Billet	Standard Stroke with 4-Counterweights
1,6L 16V - Z16LER	C-OPE-004	89,00	55,00	43,00	14,30	4340 Billet	Stroker Crankshaft 1.8L
2,0L 16V - C20LET	C-OPE-005L	86,00	58,00	49,00	16,20	4340 Billet	Standard Stroke
2,0L 16V - C20LET	C-OPE-002L	91,00	58,00	49,00	-	4340 Billet	Stroker Crankshaft
2,0L 16V - C20XE	C-OPE-005L	86,00	58,00	49,00	16,20	4340 Billet	Standard Stroke
2,0L 16V - C20XE	C-OPE-002L	91,00	58,00	49,00	-	4340 Billet	Stroker Crankshaft
2,0L 16V - Z20	C-OPE-007	86,00	58,00	49,00	18,70	4340 Billet	Standard Stroke
2,0L 16V - Z20	C-OPE-008	91,00	58,00	49,00	19,00	4340 Billet	Stroker Crankshaft
PSA							
1,6L 16V - TU5J4/TU5JP4	C-CIT-001L	89,00	49,98	44,98	13,20	4340 Billet	Stroker Crankshaft 1.8L
1,6L 16V - TU5J4 KIT CAR	C-CIT-004L	82,00	49,98	44,98	10,50	4340 Billet	Standard Stroke - Kit Car
Renault							
2,0L 16V - F4R	C-REN-001UL	93,00	54,80	48,00	15,50	4340 Billet	Standard Stroke
2,0L 16V - F7R	C-REN-001UL	93,00	54,80	48,00	15,50	4340 Billet	Standard Stroke
Subaru							
2,0L 16V - EJ20	C-SUB-001UL	75,00	60,00	52,00	8,00	4340 Billet	Standard Stroke 2.0L
2,5L 16V - EJ25 SOHC	C-SUB-002UL	79,00	60,00	52,00	8,10	4340 Billet	Standard Stroke 2.5L
2,5L 16V - EJ25 SOHC	C-SUB-003UL	83,00	60,00	52,00	8,55	4340 Billet	Stroker Crankshaft 2.7L
2,5L 16V - EJ25 DOHC	C-SUB-002UL	79,00	60,00	52,00	8,10	4340 Billet	Standard Stroke 2.5L
2,5L 16V - EJ25 DOHC	C-SUB-003UL	83,00	60,00	52,00	8,55	4340 Billet	Stroker Crankshaft 2.7L
2,5L 16V - EJ257	C-SUB-001UL	75,00	60,00	52,00	8,00	4340 Billet	Standard Stroke 2.0L
2,5L 16V - EJ257	C-SUB-002UL	79,00	60,00	52,00	8,10	4340 Billet	Standard Stroke 2.5L
2,5L 16V - EJ257	C-SUB-003UL	83,00	60,00	52,00	8,55	4340 Billet	Stroker Crankshaft 2.7L
3,3L 24V - EG33	C-SUB-004UL	75,00	60,00	52,00	12,50	4340 Billet	Standard Stroke
3,3L 24V - EG33	C-SUB-005UL	79,00	60,00	52,00	12,48	4340 Billet	Stroker Crankshaft

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CRANKSHAFTS

Crankshafts

Model	Part Number	Stroke	Main Journal	Rod Journal	Weight Kg	Material Type	Additional Info
Toyota							
2,0L 16V - 3S-GTE	C-TOY-001UL	93,00	55,00	48,00	17,20	4340 Billet	Stroker Crankshaft
2,0L 16V - 5SFE w/ 3SGTE Journals	C-TOY-002UL	100,00	55,00	48,00	17,30	4340 Billet	Stroker Crankshaft
3,0L 24V - 2JZ-GE	C-TOY-005L	94,00	61,994	51,991	22,30	4340 Billet	Stroker Crankshaft
3,0L 24V - 2JZ-GTE	C-TOY-005L	94,00	61,994	51,991	22,30	4340 Billet	Stroker Crankshaft
VAG							
1,8L 20V - AEB	C-AUD-001L	92,80	54,00	47,80	13,80	4340 Billet	Stroker Crankshaft 06A Engine
1,8L 20V - AWM	C-AUD-001L	92,80	54,00	47,80	13,80	4340 Billet	Stroker Crankshaft 06A Engine
2,0L 16V - ABF	C-VW-001L	90,00	54,00	47,80	13,80	4340 Billet	De-Stroke Crankshaft for High RPM Engines
2,0L 16V TFSI EA113 - AXX/BGB/ BPJ/BWA	C-AUD-002L	90,00	54,00	47,80	13,35	4340 Billet	De-Stroke Crankshaft / Lightweight Desing
2,0L 16V TFSI EA113 - AXX/BGB/ BPJ/BWA	C-AUD-003L	95,20	54,00	47,80	13,60	4340 Billet	Stroker Crankshaft / Lightweight Desing
2,0L 16V TFSI EA113 - AXX/BGB/ BPJ/BWA	C-AUD-004L	98,00	54,00	47,80	14,20	4340 Billet	Stroker Crankshaft / Lightweight Desing
Volvo							
2,3L 16V - B234F	C-VOL-004	72,80	63,00	49,00	-	4340 Billet	De-Stroke Crankshaft
2,3L 16V - B234F	C-VOL-001	80,00	63,00	49,00	21,20	4340 Billet	Stroker Crankshaft
2,3L 16V - B234F	C-VOL-003	81,20	63,00	49,00	-	4340 Billet	Stroker Crankshaft
2,3L 16V - B234F	C-VOL-002	86,00	63,00	49,00	22,30	4340 Billet	Stroker Crankshaft
2,3L 8V - B230	C-VOL-004	72,80	63,00	49,00	-	4340 Billet	De-Stroke Crankshaft
2,3L 8V - B230	C-VOL-001	80,00	63,00	49,00	21,20	4340 Billet	Standard Stroke
2,3L 8V - B230	C-VOL-003	81,20	63,00	49,00	-	4340 Billet	Stroker Crankshaft
2,3L 8V - B230	C-VOL-002	86,00	63,00	49,00	22,30	4340 Billet	Stroker Crankshaft



CONNECTING RODS

Connecting rods

Model	Part Number	Length	Pin	Big-End Bore	Big-End Width	Small-End Width	Bolt Size	Qty in Set
Austin								
Metro	ARROW108	146,05	13/16	48,15	26,20	22,60	5/16 WAVE-LOC	4
Metro 6R4	ARROW137	143,76	22,22	53,97	21,44	24,20	3/8 UNF	4
Mini Cooper 1275	ARROW107	146,05	13/16	44,98	26,95	22,30	5/16 WAVE-LOC	4
Mini Cooper S Bushed	ARROW168	146,05	13/16	44,98	26,95	22,30	5/16 UNF	4
BMW								
2,0L 8V - M10B20	ARROWC005	135,00	22,00	52,01	23,97	23,97	3/8 UNF	4
2,0L 24V - M52B20 Single Vanos	ARROW175	145,00	22,00	48,01	21,87	21,87	3/8 UNF	6
2,3L 16V - S14B23	ARROW170	144,00	22,00	52,01	23,93	23,93	3/8 UNF	4
2,5L 24V - M50B25 Single Vanos	ARROW171	140,00	22,00	48,01	21,87	21,87	3/8 UNF	6
2,5L 24V - M52B25	ARROW187	135,00	22,00	48,01	21,87	21,87	3/8 UNF	6
2,5L 24V - M52B25 Single Vanos	ARROW171	140,00	22,00	48,01	21,87	21,87	3/8 UNF	6
2,5L 24V - M54B25	ARROW175	145,00	22,00	48,01	21,87	21,87	3/8 UNF	6
2,8L 24V - M52B28	ARROW187	135,00	22,00	48,01	21,87	21,87	3/8 UNF	6
3,0L 24V - M54B30 Double Vanos	ARROW187	135,00	22,00	48,01	21,87	21,87	3/8 UNF	6
3,0L 24V - N54B30	ARROW210	145,05	22,00	53,01	20,90	20,90	3/8 UNF	6
3,0L 24V - N55B30	ARROW215	144,35	22,00	53,61	20,90	20,90	3/8 UNF	6
3.0L 24V - S50B30	ARROWRO75	142,28	21,00	53,01	21,90	21,90	3/8 UNF	6
3,0L 24V - S50B30US	ARROW187	135,00	22,00	48,01	21,87	21,87	3/8 UNF	6
3,2L 24V - S50B32	ARROW183	139,00	21,00	53,01	21,83	21,83	7/16 UNF	6
3,2L 24V - S54B32	ARROW178	139,00	21,00	53,01	19,83	19,83	7/16 UNF	6
3,2L 24V - S50B32US	ARROW187	135,00	22,00	48,01	21,87	21,87	3/8 UNF	6
3.5L 12V - M30B34/M30B35	ARROWC005S6	135,00	22,00	52,01	23,97	23,97	3/8 UNF	6
3.5L 12V - M30B35 (with M88/3 head)	ARROW170S6	135,00	22,00	52,01	23,97	23,97	3/8 UNF	6
3,5L 12V - S38B35	ARROW170S6	144,00	22,00	52,01	23,93	23,93	3/8 UNF	6
3,6L 24V - S38B36	ARROW170S6	144,00	22,00	52,01	23,93	23,93	3/8 UNF	6
4,0L 32V - M60B40	ARROW186	143,00	22,00	52,01	20,83	20,83	3/8 UNF	8
4,0L 32V - S65B40	ARROW209	140,70	21,00	56,01	18,50	19,90	3/8 UNF	8
4,4L 32V - M62B44	ARROW186	143,00	22,00	52,01	20,83	20,83	3/8 UNF	8
4,9L 32V - S62B50	ARROW208	141,55	22,00	53,01	20,90	20,90	3/8 UNF	8
5,0L 40V - S85B50	ARROW209S10	140,70	21,00	56,01	18,50	19,90	3/8 UNF	10
Coventry Climax								
Coventry Climax 45 Degree	ARROW176	120,65	19,05	51,34	25,30	22,20	5/16 UNF	4
Ferrari								
3,0L 16V - 308	ARROW217	136,98	18,50	47,14	20,88	20,50	3/8 UNF	8
2,4L 12V - 246	ARROW218	118,00	20,00	47,14	23,60	23,60	3/8 UNF	6
Fiat								
0,9L 8v - Twin Air	ARROW179	132,00	18,00	47,14	20,83	16,00	5/16 UNF	2
1,4L 8V Turbo - 146/176	ARROW166	128,50	22,00	48,64	25,43	25,43	3/8 UNF	4
Ford								
1,6 Ltr 8V Kent/Twin Cam - 4.826 (Narrow Pin)	ARROW100	122,58	13/16	52,90	23,67	23,67	3/8 UNF	4
1,6 Ltr 8V Kent/Twin Cam - 4.826 (Wide Pin)	ARROW101	122,58	13/16	52,90	26,80	26,80	3/8 UNF	4
1,6 Ltr 8V Kent/Twin Cam - 4.826 (Wide Pin - I-Section) Kent	ARROW222	122,58	13/16	52,90	26,80	26,80	3/8 UNF	4
1,6 Ltr 8V Kent/Twin Cam - 4.926 (Narrow Pin)	ARROW102	125,12	13/16	52,90	23,67	23,67	3/8 UNF	4
1,6 Ltr 8V Kent/Twin Cam - 4.926 (Wide Pin)	ARROW103	125,12	13/16	52,90	26,80	26,80	3/8 UNF	4
1,6 Ltr 8V Kent/Twin Cam - 5.1 (Narrow Pin)	ARROW124	129,50	13/16	52,90	23,65	23,65	3/8 UNF	4
1,6 Ltr 8V Kent/Twin Cam - 5.23 (Narrow Pin - I-Section Kent)	ARROW206	132,84	13/16	52,90	23,67	23,67	3/8 UNF	4
1,6 Ltr 8V Kent/Twin Cam - 5.23 (Narrow Pin)	ARROW104	132,84	13/16	52,90	23,67	23,67	3/8 UNF	4
1,6 Ltr 8V Kent/Twin Cam - 5.23 (Wide Pin)	ARROW105	132,84	13/16	52,90	26,80	26,80	3/8 UNF	4
1,6L 8V - CVH	ARROW147	132,00	13/16	50,91	24,30	24,30	3/8 UNF	4
1,6L 16V - Sigma	ARROW190	137,00	18,00	47,04	20,83	15,00	3/8 UNF	4
1,8/2,0L 16V - Zetec	ARROW132	136,18	13/16	49,90	24,33	24,33	3/8 UNF	4
1,8/2,0L 16V - Zetec (Bushed)	ARROW157	136,18	13/16	49,90	24,33	24,33	3/8 UNF	4
2,0L 8V - Pinto	ARROW118	127,00	24,00	55,01	25,88	25,88	3/8 UNF	4
2,0L 8V - Pinto (5.06)	ARROW119	128,53	24,00	55,01	25,88	25,88	3/8 UNF	4
2,0L 16V - N7A (RS 2000)	ARROW145	149,25	13/16	53,90	25,66	21,04	3/8 UNF	4
2,0L 16V - YB/N5	ARROW216	136,00	24,00	55,02	25,79	25,79	3/8 UNF	4
2,0L 16V - YB/N5 (5.35)	ARROWN082	136,00	22,00	55,02	25,79	25,79	3/8 UNF	4
2,0L 16V - YB/N5 (5.35 22MM S/E)	ARROW219	136,00	22,00	55,02	25,79	25,79	3/8 UNF	4
2,0L 16V - YB/N5 (5.35 Narrow Pin)	ARROWN081	136,00	22,00	52,90	23,65	23,65	3/8 UNF	4
2,0L 16V - YB/N5 (Narrow)	ARROW198	128,50	24,00	52,90	23,68	23,68	3/8 UNF	4

▲TOP

CONNECTING RODS

Connecting rods

Model	Part Number	Length	Pin	Big-End Bore	Big-End Width	Small-End Width	Bolt Size	Qty in Set
Ford								
2,0L 16V Duratec - AODA/N4JA/N4JB	ARROW174	146,25	21,00	50,04	21,83	18,00	3/8 UNF	4
2,0L 16V Eco Boost - TNCD/TNCF	ARROW226	155,87	22,50	55,03	21,85	21,90	3/8 UNF	4
2,3L 16V Eco Boost - YVDA	ARROW224	149,30	22,50	55,03	21,83	21,82	3/8 UNF	4
2,3L 16V Duratec - SEWA	ARROW184	154,82	21,03	53,04	21,83	20,50	3/8 UNF	4
3,0L 24V Duratec - MEBA	ARROW185	138,13	21,02	53,03	21,30	21,30	3/8 UNF	6
Ford 5.4 Narrow Pin	ARROWV088	137,16	13/16	52,90	23,67	23,67	3/8 UNF	4
Hillman								
Hillman Imp 45 Degree Rod	ARROW156	104,73	17,48	44,98	25,18	24,00	5/16 UNF	4
Honda								
1,6L 16V - B16A	ARROW214	134,30	21,00	48,01	23,80	20,00	5/16 UNF	4
2,0L 16V - K20	ARROW200	139,00	22,00	51,01	19,83	19,83	3/8 UNF	4
Jaguar								
3,8/4,2L 12V - XK6	ARROW138	196,85	22,22	56,72	29,98	27,38	3/8 UNF	6
Lancia								
2,0L 16V - HF Integrale 16V	ARROW177	145,00	22,00	53,91	25,71	25,71	3/8 UNF	4
MG								
1,8L 8V - MGB 1800	ARROW146	165,10	13/16	51,34	25,33	25,33	3/8 UNF	4
Mini								
1,6L 16V Tritec - W11B16	ARROW192	131,50	21,00	49,01	23,25	18,50	3/8 UNF	4
Mitsubishi								
2,0L 16V - 4G63 7 bolt	ARROW162	149,95	22,00	48,01	26,37	26,37	5/16 UNF	4
2,0L 16V - 4B11-T	ARROW203	143,73	23,00	55,01	21,88	19,88	3/8 UNF	4
2,0L 16V - 4B11-T (to suit Arrow C141)	ARROW204	143,73	23,00	55,01	23,35	19,88	3/8 UNF	4
Nissan								
1,8L 16V - C18DET	ARROW191	133,00	20,00	48,07	24,30	21,00	3/8 UNF	4
Opel								
1,6L 16V - X16XE	ARROW134	129,75	18,00	46,01	21,88	18,00	5/16 UNF	4
2,0L 16V - C20LET	ARROW106	143,10	21,00	52,01	26,37	22,00	3/8 UNF	4
2,0L 16V - C20XE	ARROW196	143,10	21,00	52,01	23,80	22,00	3/8 UNF	4
2,0L 16V - C20XE (Narrow 148mm Lightweight)	ARROW227	148,00	20,03	52,01	23,85	19,00	3/8 UNF	4
Peugeot								
1,6L 8V - TU5J2	ARROW169	133,50	18,00	48,66	23,93	23,93	3/8 UNF	4
1,6L 16V - TU5J4 (18mm Pin)	ARROW169	133,50	18,00	48,66	23,93	23,93	3/8 UNF	4
1,9L 16V - XU9JA	ARROW155	143,00	21,00	53,70	24,20	22,40	3/8 UNF	4
1,9L 16V - XU9J4	ARROW136	152,00	23,00	53,70	24,21	19,14	3/8 UNF	4
Porsche								
1,6L 8V - 356/912	ARROW188	136,00	22,00	56,99	19,75	21,00	5/16 WAVE-LOC	4
2,5L 8V - M44.50/51	ARROWV096	150,00	24,00	55,00	28,75	26,00	3/8 UNF	4
3,2L 12V - 930	ARROW189	127,00	23,00	58,01	18,88	19,70	3/8 UNF	6
Renault								
2,0L 16V - F4R	ARROW122	144,00	21,00	51,59	24,95	24,95	3/8 UNF	4
2,0L 16V - F7R	ARROW122	144,00	21,00	51,59	24,95	24,95	3/8 UNF	4
Rover								
Metro	ARROW212	146,05	20,60	48,15	26,20	22,60	5/16 UNF	4
1,8L 16V - K Series	ARROW164	133,10	18,00	51,68	22,50	15,05	5/16 UNF	4
3,5/3,9L 16V - V8	ARROW137	143,76	22,22	53,97	21,44	24,20	3/8 UNF	8
Subaru								
2,0L 16V - EJ20	ARROW161	130,45	23,00	55,01	21,40	21,40	3/8 UNF	4
2,2L 16V - EJ22	ARROW161	130,45	23,00	55,01	21,40	21,40	3/8 UNF	4
2,5L 16V - EJ257	ARROW161	130,45	23,00	55,01	21,40	21,40	3/8 UNF	4
2,0L 16V - FA20/FA20DIT	ARROW213	129,30	22,00	53,01	21,36	21,36	3/8 UNF	4
Suzuki								
GSX 1300 R Hayabusa	ARROW221	116,00	20,00	41,01	20,98	20,98	3/8 UNF	4
GSX 1300 R Hayabusa	ARROW205	119,50	20,00	41,01	20,98	19,00	3/8 UNF	4
GSX 1340 R Hayabusa	ARROW220	116,00	18,00	41,01	20,98	20,98	3/8 UNF	4
GSX 1340 R Hayabusa	ARROW223	119,50	18,00	41,01	20,98	20,98	3/8 UNF	4
Toyota								
1,6L 16V - 4AGE	ARROW142	122,00	20,00	45,01	21,83	21,83	5/16 UNF	4
2,0L 16V - 4U-GSE	ARROW213	129,30	22,00	53,01	21,36	21,36	3/8 UNF	4

CONNECTING RODS

Connecting rods

Model	Part Number	Length	Pin	Big-End Bore	Big-End Width	Small-End Width	Bolt Size	Qty in Set
Triumph								
2,5L 12V - TR6	ARROW160	146,05	13/16	51,34	22,76	22,76	5/16 UNF	6
VAG								
1,8L 20V - AEB	ARROW129	144,00	20,00	50,61	24,94	24,94	3/8 UNF	4
1,8L 20V - AWM	ARROW129	144,00	20,00	50,61	24,94	24,94	3/8 UNF	4
2,0L 16V - ABF	ARROW165	159,00	21,00	50,61	24,94	24,94	3/8 UNF	4
2,0L 16V TFSI EA113 - AXX/BGB/BPJ/BPY/BWA	ARROW202	144,00	21,00	50,61	24,89	21,90	3/8 UNF	4
2,0L 16V TFSI EA113 - AXX/BGB/BPJ/BPY/BWA	ARROW207	144,00	20,00	50,61	24,89	21,90	3/8 UNF	4
2,8L VR6 - AAA/ABV/AMV/AQP	ARROW173	164,00	20,00	56,81	19,93	19,93	3/8 UNF	6
2,2L 20V - 3B/RR/AAN/ABY/ADU	ARROW129S5	144,00	20,00	50,61	24,94	24,94	3/8 UNF	5
2,5L 20V - CEPA/CEPB/DAZA	ARROW225	144,00	22,02	50,60	21,90	21,90	3/8 UNF	5
2.7L 30V - AGB/ASJ/AZR/AJK/ARE/AZA/AZB/BES	ARROW199	154,00	21,00	57,61	20,13	21,90	5/16 UNF	4





CRANKSHAFTS

Crankshafts

Model	Part Number	Stroke	Rod Journal	Rod Journal Width	Main Journal	Main Journal Width	C/ Weight	Bolt
Austin								
Metro 6R4	ARROWC133	93,00	50,81	43,18	54,41	27,00	6	6
Ford								
1,6L 8V Kent/Twin Cam - Crossflow 77.62mm	ARROWC139	77,62	49,21	23,95	53,99	31,70	8	12
1,8/2,0L 16V - Zetec	ARROWC110	88,00	46,90	24,55	57,99	24.90/25.55/28.00	4 + 4	6
2,0L 16V - YB/N5	ARROWC111	77,00	51,99	26,00	56,97	32,03	8	9
2,0L 16V - YB/N5	ARROWC113	84,00	51,99	26,00	56,97	32,03	8	9
2,0L 16V - YB/N5	ARROWC115	88,00	51,99	26,00	56,97	32,03	8	9
2,0L 16V - YB/N5 (Narrow)	ARROWC112	77,00	49,21	23,96	56,97	32,03	8	9
2,0L 16V - YB/N5 (Narrow)	ARROWC114	84,00	49,21	23,96	56,97	32,03	8	9
2,0L 16V - YB/N5 (Narrow)	ARROWC116	88,00	49,21	23,96	56,97	32,03	8	9
2,0L 16V - YB/N5 (Narrow)	ARROWC142	82,00	49,21	23,96	56,97	32,03	8	9
2,0L 16V Duratec - AODA/N4JA/N4JB	ARROWC117	83,10	46,99	22,05	51,99	26,00	4	6
2,0L 16V Eco Boost - TNCD/TNCF	ARROWC145	83,10	52,00	22,00	52,00	26,00	4	6
2,3L 16V Duratec - SEWA	ARROWC118	94,00	49,99	22,05	51,99	26,00	4	6
2,3L 16V Eco Boost - YVDA (Forging - Motorsport)	ARROWC147	94,00	52,00	22,00	52,00	26,00	4	6
2,3L 16V Eco Boost - YVDA (Forging - Track)	ARROWC146	94,00	52,00	22,00	52,00	26,00	4	6
Ford BD Narrow Pin 69.10mm	ARROWC102	69,10	49,21	23,96	53,99	31,70	8	12
Ford BD Narrow Pin 77.62mm	ARROWC106	77,62	49,21	23,96	53,99	31,70	8	12
Ford FV 77.62mm	ARROWC138	77,62	49,21	23,95	53,94	31,70	8	12
Ford MAE Formula Junior Narrow	ARROWC101	48,35	49,21	23,96	53,99	31,70	4	6
Ford MAE Formula Junior Wide	ARROWC100	48,35	49,21	27,03	53,99	31,70	4	6
Coventry Climax								
Coventry Climax FWA/E	ARROWC137	66,68	47,65	25,48	53,94	32,41	4	6
Coventry Climax FWB	ARROWC136	80,00	47,63	25,47	53,94	32,40	4	6
Honda								
2,0L 16V - K20	ARROWC126	86,00	48,00	20,05	55,00	27,15	4	8
Jaguar								
3,8/4,2L 12V - XK6	ARROWC134	106,00	52,98	30,17	69,84	44,47	12	10
Lotus								
1,6L 8V Kent/Twin Cam - FIA Rope Seal	ARROWC143	72,75	49,21	27,03	53,99	31,70	4	4+4
1,6L 8V Kent/Twin Cam - Narrow	ARROWC104	72,75	49,21	23,96	53,99	31,70	8	12
1,6L 8V Kent/Twin Cam - Wide	ARROWC105	72,75	49,21	27,03	53,99	31,70	8	12
MG								
1,8L 8V - MGB 1800	ARROWC140	88,90	47,66	25,70	54,02	34,25	8	6
Mitsubishi								
2,0L 16V - 4G63 7 bolt	ARROWC127	88,00	44,99	26,53	57,00	25,50	8	7
2,0L 16V - 4G63 7 bolt	ARROWC128	88,00	44,99	26,53	57,00	25,50	4	7
2,0L 16V - 4G63 7 bolt	ARROWC129	97,00	44,99	26,53	57,00	25,50	8	7
2,0L 16V - 4B11-T	ARROWC141	86,00	51,98	23,55	51,99	24,05	8	7
Opel								
1,6L 16V - Z16LER	ARROWC124	81,50	42,98	22,00	54,98	26.00/27.00	4	6
2,0L 16V - C20XE	ARROWC123	86,00	48,98	24,00	57,99	26,00	4	8
Porsche								
2,5L 24V - M96.20	ARROWC121	72,10	52,98	22,05	59,98	20.00/28.00	12	9
4,0L 24V - M97.74	ARROWC122	80,40	52,98	22,05	59,98	20.00/28.00	12	9
4,0L 24V - M97.81	ARROWC122	80,40	52,98	22,05	59,98	20.00/28.00	12	9
Rover								
1,8L 16V - K Series	ARROWC125	89,30	48,00	22,75	47,98	24,58	8	6
Subaru								
2,0L 16V - FA20	ARROWC148	86,00	50,00	21,60	68,00	17.5/21.5	4	8
2,0L 16V - EJ20 (75.00mm)	ARROWC132	75,00	51,99	21,50	59,99	18.50/22.00/23.00	4	8
2,0L 16V - EJ20 (79.00mm)	ARROWC131	79,00	51,99	21,50	59,99	18.50/22.00/23.00	4	8
2,0L 16V - EJ20 (81.00mm)	ARROWC130	81,00	51,99	21,50	59,99	18.50/22.00/23.00	4	8
2,5L 16V - EJ25 (79.00mm)	ARROWC131	79,00	51,99	21,50	59,99	18.50/22.00/23.00	4	8
2,5L 16V - EJ25 (81.00mm)	ARROWC130	81,00	51,99	21,50	59,99	18.50/22.00/23.00	4	8
2,5L 16V - EJ257 (79.00mm)	ARROWC131	79,00	51,99	21,50	59,99	18.50/22.00/23.00	4	8
2,5L 16V - EJ257 (81.00mm)	ARROWC130	81,00	51,99	21,50	59,99	18.50/22.00/23.00	4	8
Suzuki								
GSX 1300 R Hayabusa	ARROWC144	72,00	38,00	21,17	39,94	24,05	7	N/A
GSX 1340 R Hayabusa	ARROWC144	72,00	38,00	21,17	39,94	24,05	7	N/A
Toyota								
1,5L 8V - 5K	ARROWC119	73,00	41,99	25,03	49,99	28.00/29.00	8	6
1,6L 16V - 4AG	ARROWC120	77,00	41,99	22,02	47,99	26,00	8	8
2,0L 16V - 4U-GSU	ARROWC148	86,00	50,00	21,60	68,00	17.5/21.5	4	8

Carrillo Sport Compact Connecting Rods

Cyl	Type	Part #	Bolt Size	Length	PE Width	BE Width	BE Bore	Pin Ø	Total/Rotate/ Recip
Alfa Romeo									
1,750/2,0L									
4	PRO-H	AL-1750-S-66180S	3/8 CARR	157,00	23,67	26,72	53,708	22	617/443/174
4	PRO-H	AL-1750-S-66180H	3/8 WMC	157,00	23,67	26,72	53,708	22	612/438/174
BMW									
M40/M42/M43/M44									
4	PRO-H	BM-M42-S-65512S	3/8 CARR	140,00	21,89	21,89	48,001	22	506/353/153
4	PRO-H	BM-M42-S-65512H	3/8 WMC	140,00	21,89	21,89	48,001	22	500/346/154
N20B20									
4	PRO-H	BM_BN20_0HS_5683B6S	3/8 CARR	144,35	20,88	20,88	53,620	22	537/372/165
4	PRO-H	BM_BN20_0HS_5683B6H	3/8 WMC	144,35	20,88	20,88	53,620	22	529/364/165
B48B20									
4	PRO-H	BM_BB58_0HS_5828B6H	3/8 WMC	148,00	23,88	23,88	53,600	22	-
M3/M52B32(S52USB32)/M54B30(S52USB30)/M20B25									
6	PRO-H	BM-M52-S-65315S	3/8 CARR	135,00	21,89	21,89	48,001	22	497/348/149
6	PRO-H	BM-M52-S-65315H	3/8 WMC	135,00	21,89	21,89	48,001	22	493/343/150
M52B25TU 24v/M50B25									
6	PRO-H	BM-M52-S-65512S	3/8 CARR	140,00	21,89	21,89	48,001	22	505/353/152
6	PRO-H	BM-M52-S-65512H	3/8 WMC	140,00	21,89	21,89	48,001	22	498/344/154
M52/M54									
6	PRO-H	BM-M52-S-65709S	3/8 CARR	145,00	21,89	21,89	48,001	22	516/358/158
6	PRO-H	BM-M52-S-65709H	3/8 WMC	145,00	21,89	21,89	48,001	22	511/352/159
M3/S14B23/S14B25									
4	PRO-H	BM-S14-S-65669S	3/8 CARR	144,00	24,13	23,90	51,999	22	566/394/172
4	PRO-H	BM-S14-S-65669H	3/8 WMC	144,00	24,13	23,90	51,999	22	556/386/170
N54B30									
6	PRO-H	BM_BN54_0HS_5709B6S	3/8 CARR	145,00	20,88	20,88	53,624	22	535/370/165
6	PRO-H	BM_BN54_0HS_5709B6H	3/8 WMC	145,00	20,88	20,88	53,624	22	527/362/165
N55B30/S55B30									
6	PRO-H	BM_BS55_0HS_5642B6S	3/8 CARR	143,35	20,88	20,88	53,624	22	-
6	PRO-H	BM_BS55_0HS_5642B6H	3/8 WMC	143,35	20,88	20,88	53,624	22	-
6	PRO-H	BM_BN55_0HS_5683B6S	3/8 CARR	144,35	20,88	20,88	53,624	22	538/373/165
6	PRO-H	BM_BN55_0HS_5683B6H	3/8 WMC	144,35	20,88	20,88	53,624	22	531/365/166
S50B30(Euro)									
6	PRO-H	BM-S50-1-S-65602S	3/8 CARR	142,30	21,89	21,89	53,000	21	521/364/157
6	PRO-H	BM-S50-1-S-65602H	3/8 WMC	142,30	21,89	21,89	53,000	21	516/359/157
S54B32									
6	PRO-H	BM-S54-S-65472S	3/8 CARR	139,00	19,91	19,91	53,000	21	499/351/148
6	PRO-H	BM-S54-S-65472H	3/8 WMC	139,00	19,91	19,91	53,000	21	491/344/147
S50B32(Euro)									
6	PRO-H	BM-S50-1-S-65472S	3/8 CARR	139,00	21,89	21,89	53,000	21	516/362/154
6	PRO-H	BM-S50-1-S-65472H	3/8 WMC	139,00	21,89	21,89	53,000	21	509/355/154
S38B36 M5/M6									
6	PRO-H	BM-S38-S-65669S	3/8 CARR	144,00	24,13	23,90	51,999	22	565/396/169
6	PRO-H	BM-S38-S-65669H	3/8 WMC	144,00	24,13	23,90	51,999	22	556/387/169
S65B40 E90/91/92/93 M3									
8	PRO-H	BM-S65-S-65540S	3/8 CARR	140,72	22,00	18,42	55,999	21	529/380/149
8	PRO-H	BM-S65-S-65540H	3/8 WMC	140,72	22,00	18,42	55,999	21	522/372/150
S63B44 M5/M6									
8	PRO-H	BM_BS63_2HS_5453B6S	3/8 CARR	138,50	20,90	17,91	57,607	22	-
8	PRO-H	BM_BS63_2HS_5453B6H	3/8 WMC	138,50	20,90	17,91	57,607	22	-
S62B50 E39-M5/E52-Z8									
8	PRO-H	BM-S62-S-65571S	3/8 CARR	141,50	20,90	20,90	53,000	22	519/361/158
8	PRO-H	BM-S62-S-65571H	3/8 WMC	141,50	20,90	20,90	53,000	22	515/355/160

Carrillo Sport Compact Connecting Rods

Cyl	Type	Part #	Bolt Size	Length	PE Width	BE Width	BE Bore	Pin Ø	Total/Rotate/ Recip
S85B50 E60-M5/E63-M6									
10	PRO-H	BM-S85-S-65540S	3/8 CARR	140,72	22,00	18,42	55,999	21	528/379/149
10	PRO-H	BM-S85-S-65540H	3/8 WMC	140,72	22,00	18,42	55,999	21	522/372/150
Chrysler/Dodge									
Gema 2,4L(R/T '07-09)(SRT4 '08-09)can use turbo or non turbo bearings(Hyundai)									
4	PRO-H	DG-GEMA-S-65618S	3/8 CARR	142,70	25,02	21,89	50,998	22	543/371/172
4	PRO-H	DG-GEMA-S-65618H	3/8 WMC	142,70	25,02	21,89	50,998	22	537/365/172
4	PRO-SA	DG-GEMA-T-SA-65618H	3/8 WMC	142,70	25,02	21,89	50,998	22	539/368/171
SRT4(2,4L)									
4	PRO-H	DG-SRT4-S-65945S	3/8 CARR	151,00	25,73	25,73	53,000	22	584/409/175
4	PRO-H	DG-SRT4-S-65945H	3/8 WMC	151,00	25,73	25,73	53,000	21	578/403/175
4	PRO-SA	DG-SRT4-T-SA-65945H	3/8 WMC	151,00	25,73	25,73	53,000	21	594/414/180
Citröen									
C4&DS3 1,6L PSA EP6CDT&EP6DTS									
4	PRO-H	BM_BR56_0HS_5454B5S	5/16 CARR	138,53	20,88	20,88	48,000	20	459/311/148
Ferrari									
V8 V12									
8&12	PRO-H	FE-328-S-65394S	3/8 CARR	137,00	20,96	20,85	47,135	18,5	509/352/157
8&12	PRO-H	FE-328-S-65394H	3/8 WMC	137,00	20,96	20,85	47,135	18,5	504/347/157
250/275									
8&12	PRO-H	FE-250-S-54409S	5/16 CARR	112,00	18,92	20,85	44,945	16,5	395/292/103
8&12	PRO-H	FE-25-S-54409S	5/16 CARR	112,00	18,92	20,85	44,945	17	395/292/103
Ford									
BDA/Ford Narrow Pin, FVA									
4	PRO-H	CO-BDA-S-65230S	3/8 CARR	132,84	24,13	23,67	52,908	20,62	532/378/154
4	PRO-H	CO-BDA-S-65230H	3/8 WMC	132,84	24,13	23,67	52,908	20,62	527/373/154
4	PRO-H	CO-FVA-S-64928S	3/8 CARR	125,17	24,13	23,67	52,908	20,62	528/378/148
4	PRO-H	CO-FVA-S-64928H	3/8 WMC	125,17	24,13	23,67	52,908	20,62	522/374/148
4	PRO-H	CO-FVA-S-64826S	3/8 CARR	122,58	24,13	23,67	52,908	20,62	521/375/146
4	PRO-H	CO-FVA-S-64826H	3/8 WMC	122,58	24,13	23,67	52,908	20,62	515/369/146
BDA/ Ford Wide Pin/1600 Twin Cam									
4	PRO-H	CO-MBDA-S-65230S	3/8 CARR	132,84	25,40	26,77	52,908	20,62	565/410/155
4	PRO-H	CO-MBDA-S-65230H	3/8 WMC	132,84	25,40	26,77	52,908	20,62	560/405/155
4	PRO-H	F-105-S-64928S	3/8 CARR	125,17	24,13	26,77	52,908	20,62	529/393/136
4	PRO-H	F-105-S-64928H	3/8 WMC	125,17	24,13	26,77	52,908	20,62	524/389/136
4	PRO-H	F-105-S-64826S	3/8 CARR	122,58	24,13	26,77	52,908	20,62	521/387/134
4	PRO-H	F-105-S-64826H	3/8 WMC	122,58	24,13	26,77	52,908	20,62	516/382/134
Duratec 2,0L									
4	PRO-H	F-DT20-S-65758S	3/8 CARR	146,25	18,03	21,82	50,035	21	527/380/147
4	PRO-H	F-DT20-S-65758H	3/8 WMC	146,25	18,03	21,82	50,035	21	522/374/148
4	PRO-SA	F-DT20-T-SA-65758H	3/8 WMC	146,25	18,03	21,82	50,035	21	500/365/135
4	PRO-A	F-DT20-1-T-A-65758H	3/8 WMC	146,25	18,03	21,82	50,035	21	488/370/118
Ecoboost 2,0L									
4	PRO-H	F_BEB20_0HS_6135B6S	3/8 CARR	155,83	21,82	21,79	55,030	22	561/383/178
4	PRO-H	F_BEB20_0HS_6135B6H	3/8 WMC	155,83	21,82	21,79	55,030	22	556/378/178
Duratec 2,3L									
4	PRO-H	F-DT23-S-66094S	3/8 CARR	154,79	18,03	21,82	53,035	21	565/410/155
4	PRO-H	F-DT23-S-66094H	3/8 WMC	154,79	18,03	21,82	53,035	21	560/405/155
4	PRO-SA	F-DT23-T-SA-66094H	3/8 WMC	154,79	18,03	21,82	53,035	21	529/393/136
4	PRO-A	F-DT23-1-T-A-66094H	3/8 WMC	154,79	18,03	21,82	53,035	21	524/389/136

Carrillo Sport Compact Connecting Rods

Cyl	Type	Part #	Bolt Size	Length	PE Width	BE Width	BE Bore	Pin Ø	Total/Rotate/ Recip
Ford									
Ecoboost 2,3L									
4	PRO-H	F_BEB23_0HS_5878B6S	3/8 CARR	149,30	22,86	21,77	55,030	22,5	-
4	PRO-H	F_BEB23_0HS_5878B6H	3/8 WMC	149,30	22,86	21,77	55,030	22,5	-
Ecoboost 3,5L & 3,7L V6									
6	PRO-H	F_BEB35_0YS_6012B6S	3/8 CARR	152,70	21,67	21,67	59,881	23	624/429/195
6	PRO-H	F_BEB35_0YS_6012B6H	3/8 WMC	152,70	21,67	21,67	59,881	23	616/142/196
Honda									
B16A V-TEC									
4	PRO-H	HN-B16A-S-55287S	5/16 CARR	134,30	20,07	23,80	47,998	21	441/323/118
4	PRO-SA	HN-B16-T-SA-65287H	3/8 WMC	134,30	20,07	23,80	47,998	21	489/356/133
4	PRO-A	HN-B16-1-T-A-55287H	5/16 WMC	134,30	20,07	23,80	47,998	21	420/303/117
B18A, B18B, B20B									
4	PRO-H	HN-B18-S-65394S	3/8 CARR	137,00	20,07	23,80	47,998	21	515/381/134
4	PRO-H	HN-B18-S-65394H	3/8 WMC	137,00	20,07	23,80	47,998	21	510/376/134
4	PRO-SA	HN-B18-T-SA-65394H	3/8 WMC	137,00	20,07	23,80	47,998	21	490/356/134
4	PRO-A	HN-B18-1-T-A-55394H	5/16 WMC	137,00	20,07	23,80	47,998	21	421/305/116
B18C V-TEC									
4	PRO-SA	AA-VTC-T-SA-65433H	3/8 WMC	138,00	21,84	21,77	47,998	21	487/347/140
4	PRO-A	AA-VTC-1-T-A-55433H	5/16 WMC	138,00	21,84	21,77	47,998	21	411/291/120
4	PRO-H	AA-VTC-S-65433S	3/8 CARR	138.00	21.84	21.77	47,998	21	505/366/139
4	PRO-H	AA-VTC-S-65433H	3/8 WMC	138.00	21.84	21.77	47,998	21	500/361/139
F20C									
4	PRO-H	HN-F20C-S-66024S	3/8 CARR	153,00	23,83	23,83	51,003	23	560/397/163
4	PRO-H	HN-F20C-S-66024H	3/8 WMC	153,00	23,83	23,83	51,003	23	555/392/163
4	PRO-SA	HN-F20C-T-SA-66024H	3/8 WMC	153,00	23,83	23,83	51,003	23	557/387/170
4	PRO-A	HN-F20C-1-T-A-66024H	3/8 WMC	153,00	23,83	23,83	51,003	23	529/383/146
F22C									
4	PRO-H	HN-F20C-S-65893S	3/8 CARR	149,68	23,83	23,83	51,003	23	581/406/175
4	PRO-H	HN-F20C-S-65893H	3/8 WMC	149,68	23,83	23,83	51,003	23	575/400/175
4	PRO-SA	HN-F20C-T-SA-65893H	3/8 WMC	149,68	23,83	23,83	51,003	23	563/391/172
4	PRO-A	HN-F20C-1-T-A-65893H	3/8 WMC	149,68	23,83	23,83	51,003	23	534/392/142
H22									
4	PRO-H	HN-H22-S-65636S	3/8 CARR	143,15	22,86	23,83	51,003	22	569/399/170
4	PRO-H	HN-H22-S-65636H	3/8 WMC	143,15	22,86	23,83	51,003	22	564/394/170
4	PRO-SA	HN-H22-T-SA-65636H	3/8 WMC	143,15	22,86	23,83	51,003	22	552/393/159
4	PRO-A	HN-2.2-1-T-A-65636H	3/8 WMC	143,15	22,86	23,83	51,003	22	484/359/125
H23, B20A, F22									
4	PRO-H	HN-H23-S-65581S	3/8 CARR	141,75	22,86	23,83	51,003	22	563/399/164
4	PRO-H	HN-H23-S-65581H	3/8 WMC	141,75	22,86	23,83	51,003	22	558/395/163
4	PRO-SA	HN-H23-T-SA-65581H	3/8 WMC	141,75	22,86	23,83	51,003	22	540/385/155
K20A									
4	PRO-H	AA-RSX-S-65472S	3/8 CARR	138,99	19,81	19,86	51,003	22	526/375/151
4	PRO-H	AA-RSX-S-65472H	3/8 WMC	138,99	19,81	19,86	51,003	22	521/370/151
4	PRO-SA	AA-RSX-T-SA-65472H	3/8 WMC	138,99	19,81	19,86	51,003	22	515/362/153
4	PRO-A	AA-RSX-1-T-A-65472H	3/8 WMC	138,99	19,81	19,86	51,003	22	480/351/129
K24A									
4	PRO-H	AA-RSX-S-65984S	3/8 CARR	152,00	19,81	19,86	51,003	22	552/389/163
4	PRO-H	AA-RSX-S-65984H	3/8 WMC	152,00	19,81	19,86	51,003	22	547/384/163
4	PRO-SA	AA-RSX-T-SA-65984H	3/8 WMC	152,00	19,81	19,86	51,003	22	528/368/160
4	PRO-A	AA-RSX-1-T-A-65984H	3/8 WMC	152,00	19,81	19,86	51,003	22	496/360/136
C30A + C32B(NSX 3,0+3,2L)									
6	PRO-H	AA-NSX-S-65984S	3/8 CARR	152,00	22,30	20,32	53,000	23	575/399/176
6	PRO-H	AA-NSX-S-65984S	3/8 WMC	152,00	22,30	20,32	53,000	23	569/393/176

Carrillo Sport Compact Connecting Rods

Cyl	Type	Part #	Bolt Size	Length	PE Width	BE Width	BE Bore	Pin Ø	Total/Rotate/ Recip
C30A NSX 3,0L									
6	PRO-H	AA_BC30A_0HS_5984B6S	3/8 CARR	152,00	22,30	21,84	53,000	22	581/401/180
6	PRO-H	AA_BC30A_0HS_5984B6H	3/8 WMC	152,00	22,30	21,84	53,000	22	576/397/179
C32B NSX 3,2L									
6	PRO-H	AA_BC32B_0HS_5984B6S	3/8 CARR	152,00	22,30	21,84	55,001	23	581/404/177
6	PRO-H	AA_BC32B_0HS_5984B6H	3/8 WMC	152,00	22,30	21,84	55,001	23	577/400/177
Jaguar									
3.8L/4.2L									
6	PRO-H	JA-6CL-S-67750S	3/8 CARR	196,85	26,92	29,85	56,718	22,22	744/520/224
6	PRO-H	JA-6CL-S-67750H	3/8 WMC	196,85	26,92	29,85	56,718	22,22	739/515/224
Lamborghini									
Gallardo 5,0L V10									
10	PRO-H	LM-V10-1-T-8M6078S	3/8 CARR	154,38	19,2	20,12	56,799	20	524/358/166
Gallardo 5,2L V10									
10	PRO-H	LM-5.2V10-T-8M6063S	3/8 CARR	154,00	19,2	19,15	56,799	20	520/355/165
Lancia/Fiat									
Delta 2,0L 16v Turbo - Fiat 2,0L(1995cc)									
4	PRO-H	LN-DLTA-S-65709S	3/8 CARR	145,01	22,99	25,70	53,909	22	575/405/170
4	PRO-H	LN-DLTA-S-65709H	3/8 WMC	145,01	22,99	25,70	53,909	22	570/400/170
Lotus Elise & Exige(Toyota 2ZZ-GE)									
1,8L 2ZZ-GE									
4	PRO-H	TO-2ZZGE-S-65433S	3/8 CARR	138,00	18,01	19,81	48,001	20	453/335/118
4	PRO-H	TO-2ZZGE-S-65433H	3/8 WMC	138,00	18,01	19,81	48,001	20	448/330/118
4	PRO-SA	TO-2ZZGE-T-SA-65433H	3/8 WMC	138,00	18,01	19,81	48,001	20	463/330/133
Mazda									
1,6L/ 1,8L(B6 &BP)									
4	PRO-H	MA-323-S-55234S	5/16 CARR	133,00	21,84	21,84	48,014	20	440/310/130
4	PRO-SA	MA-323-T-SA-55234H	5/16 WMC	133,00	21,84	21,84	48,014	20	431/297/134
4	PRO-A	MA-323-1-T-A-55234H	5/16 WMC	133,00	21,84	21,84	48,014	20	416/291/125
1,6L/ 1,8L(B6 &BP) STROKER									
4	PRO-A	MA-323-1-T-A-55470H	5/16 WMC	139.00	21.84	21.84	48,014	20	427/291/125
MZR 2,0									
4	PRO-H	F-DT20-S-65758S	3/8 CARR	146,25	18,03	21,82	50,035	21	527/380/147
4	PRO-H	F-DT20-S-65758H	3/8 WMC	146,25	18,03	21,82	50,035	21	522/374/148
4	PRO-SA	F-DT20-T-SA-65758H	3/8 WMC	146,25	18,03	21,82	50,035	21	500/365/135
4	PRO-A	F-DT20-1-T-A-65758H	3/8 WMC	146,25	18,03	21,82	50,035	21	488/370/118
MZR 2,3									
4	PRO-H	F-DT23-S-66094S	3/8 CARR	154,79	18,03	21,82	53,035	21	539/381/158
4	PRO-H	F-DT23-S-66094H	3/8 WMC	154,79	18,03	21,82	53,035	21	533/375/158
4	PRO-SA	F-DT23-T-SA-66094H	3/8 WMC	154,79	18,03	21,82	53,035	21	528/380/148
4	PRO-A	F-DT23-1-T-A-66094H	3/8 WMC	154,79	18,03	21,82	53,035	21	494/374/120
2,3L DISI w/22 Pin									
4	PRO-H	MA-23DISI-S-65927S	3/8 CARR	150,55	21,79	21,82	55,034	22	547/376/171
4	PRO-H	MA-23DISI-S-65927H	3/8 WMC	150,55	21,79	21,82	55,034	22	541/370/171
4	PRO-SA	MA-23DISI-T-SA-65927H	3/8 WMC	150,55	21,79	21,82	55,034	22	550/380/170
2,3L DISI for use with Factory Piston									
4	PRO-H	MA-23DISIT-S-65927S	3/8 CARR	150,55	21,79	21,82	55,034	22.5	549/384/165
4	PRO-H	MA-23DISIT-S-65927H	3/8 WMC	150,55	21,79	21,82	55,034	22.5	543/378/165
4	PRO-SA	MA-23DISIT-T-SA-65927H	3/8 WMC	150,55	21,79	21,82	55,034	22.5	543/378/165
MG									
MGB w/ 5 main bearing									
4	PRO-H	MG-B-S-66500S	3/8 CARR	165,10	25,40	25,30	51,338	20,62	588/418/170
4	PRO-H	MG-B-S-66500H	3/8 WMC	165,10	25,40	25,30	51,338	20,62	583/413/170

Carrillo Sport Compact Connecting Rods

Cyl	Type	Part #	Bolt Size	Length	PE Width	BE Width	BE Bore	Pin Ø	Total/Rotate/ Recip
Mini (BMW)									
Cooper and Cooper-S w/Tritec 1,6(W11B16)(Non tapered rod!)									
4	PRO-H	BM-MINS-S-55177S	5/16 CARR	131,50	21,08	23,22	49,002	21	443/318/125
Cooper and Cooper-S w/Prince 1,6									
4	PRO-H	BM_BR56_0HS_5454B5S*	5/16 CARR	138,53	20,88	20,88	48,000	20	459/311/148
***Straight pin end,doesn't fit OE pistons!**									
Mitsubishi									
4G63 1st Gen									
4	PRO-H	MI-4G6-S-65906S	3/8 CARR	150,00	25,40	28,30	47,998	21	568/403/165
4	PRO-H	MI-4G6-S-65906H	3/8 WMC	150,00	25,40	28,30	47,998	21	562/399/163
4	PRO-SA	MI-4G6-T-SA-65906H	3/8 WMC	150,00	25,40	28,30	47,998	21	563/394/169
4	PRO-A	MI-4G6-1-T-A-65906H	3/8 WMC	150,00	28,30	28,30	47,998	21	516/374/142
4G63 2nd Gen & Lancer EVO									
4	PRO-H	MI-4G6T-S-65906S	3/8 CARR	150,00	25,40	26,37	47,998	22	567/396/171
4	PRO-H	MI-4G6T-S-65906H	3/8 WMC	150,00	25,40	26,37	47,998	22	566/393/173
4	PRO-SA	MI-4GT-T-SA-65906H	3/8 WMC	150,00	26,37	26,37	47,998	22	531/368/163
4	PRO-A	MI-4GT-1-T-A-65906H	3/8 WMC	150,00	26,37	26,37	47,998	22	509/366/143
4G63 2nd Gen & Lancer EVO 156 Long Rod									
4	PRO-H	MI-4G6T-S-66142S	3/8 CARR	156,00	25,40	26,37	47,998	22	590/410/180
4	PRO-H	MI-4G6T-S-66142H	3/8 WMC	156,00	25,40	26,37	47,998	22	585/405/180
2nd Gen Piston on 1st Gen Crank or 2nd Gen Stroker Piston on 4G64 Crank									
4	PRO-H	MI-4G-S-65906S	3/8 CARR	150,00	25,40	28,30	47,998	22	582/409/173
4	PRO-H	MI-4G-S-65906H	3/8 WMC	150,00	25,40	28,30	47,998	22	574/403/173
4	PRO-SA	MI-4G-T-SA-65906H	3/8 WMC	150,00	25,40	28,30	47,998	22	569/395/174
4B11T EVO 10									
4	PRO-H	MI-4B11-S-65659S	3/8 CARR	143,75	19,91	21,87	55,000	23	552/390/162
4	PRO-H	MI-4B11-S-65659H	3/8 WMC	143,75	19,91	21,87	55,000	23	547/385/162
4	PRO-SA	MI-4B11-T-SA-65659H	3/8 WMC	143,75	19,91	21,87	55,000	23	534/373/161
6G72									
6	PRO-H	MI-3.0-S-65551S	3/8 CARR	141,00	20,88	20,88	53,000	22	543/386/157
6	PRO-H	MI-3.0-S-65551H	3/8 WMC	141,00	20,88	20,88	53,000	22	537/380/157
2,0L DIESEL '07-09 (VW TDI)									
4	PRO-H	VW-PD130-S-55669S	5/16 CARR	144.00	24.89	24.89	53,701	26	588/401/147
4	PRO-H	VW-PD130-S-55669H	5/16 CARR	144.00	24.89	24.89	53,701	26	583/396/147
Nissan/Infinity/Datsun									
L-16,L-24									
4&6	PRO-H	DA-L16-S-65235S	3/8 CARR	133,00	25,40	26,77	52,997	21	560/409/151
4&6	PRO-H	DA-L16-S-65235H	3/8 WMC	133,00	25,40	26,77	52,997	21	555/404/151
CA18									
4	PRO-H	NI-CA18-S-55235S	5/16 CARR	132,97	21,08	24,26	48,000	20	460/330/130
SR20									
4	PRO-H	NI-SR2-S-65364S	3/8 CARR	136,25	23,62	22,71	51,003	22	545/388/157
4	PRO-H	NI-SR2-S-65364H	3/8 WMC	136,25	23,62	22,71	51,003	22	540/383/157
4	PRO-SA	NI-SR2-T-SA-65364H	3/8 WMC	136,25	23,62	22,71	51,003	22	533/378/155
4	PRO-A	NI-SR2-1-T-A-65364H	3/8 WMC	136,25	23,62	22,71	51,003	22	511/374/137
KA24									
4	PRO-H	DA-KA24-S-66496S	3/8 CARR	165,00	24,77	24,77	53,010	21	612/436/176
4	PRO-H	DA-KA24-S-66496H	3/8 WMC	165,00	24,77	24,77	53,010	21	607/431/176
4	PRO-A	DA-KA24-1-T-A-66496H	3/8 WMC	165,00	24,77	24,77	53,010	21	543/395/148
QR25									
4	PRO-H	NI-QR25D-S-65630S	3/8 CARR	143,00	22,76	22,76	48,000	20	480/348/132
4	PRO-H	NI-QR25D-S-65630H	3/8 WMC	143,00	22,76	22,76	48,000	20	474/342/132
4	PRO-SA	NI-QR25D-T-SA-65630H	3/8 WMC	143,00	22,76	22,76	48,000	20	490/352/138

Carrillo Sport Compact Connecting Rods

Cyl	Type	Part #	Bolt Size	Length	PE Width	BE Width	BE Bore	Pin Ø	Total/Rotate/ Recip
RB25, RB26									
6	PRO-H	DA-RB2-S-64783S	3/8 CARR	121,50	21,84	21,77	51,003	21	507/371/136
6	PRO-H	DA-RB2-S-64783H	3/8 WMC	121,50	21,84	21,77	51,003	21	502/366/136
6	PRO-SA	DA-RB-T-SA-64783H	3/8 WMC	121,50	21,84	21,77	51,003	21	488/357/131
6	PRO-A	DA-RB-1-T-A-64783H	3/8 WMC	121,50	21,84	21,77	51,003	21	474/358/116
RB30									
6	PRO-H	NI-RB30-S-66004S	3/8 CARR	152,50	22,86	21,69	53,000	21	570/400/170
6	PRO-H	NI-RB30-S-66004H	3/8 WMC	152,50	22,86	21,69	53,000	21	564/394/170
VG30, VG33									
6	PRO-H	NI-VG3-S-66070S	3/8 CARR	154,20	21,84	20,75	53,000	22	556/389/167
6	PRO-H	NI-VG3-S-66070H	3/8 WMC	154,20	21,84	20,75	53,000	22	551/384/167
6	PRO-SA	NI-VG3-T-SA-66070H	3/8 WMC	154,20	21,84	20,75	53,000	22	534/378/156
6	PRO-A	NI-VG3-1-T-A-66070H	3/8 WMC	154,20	21,84	20,75	53,000	22	499/363/136
VQ35									
6	PRO-H	NI-Q35-S-65676S	3/8 CARR	144,20	20,78	20,78	55,000	22	544/383/161
6	PRO-H	NI-Q35-S-65676H	3/8 WMC	144,20	20,78	20,78	55,000	22	539/378/161
6	PRO-SA	NI-Q35-T-SA-65676H	3/8 WMC	144,20	20,78	20,78	55,000	22	517/370/147
6	PRO-A	NI-Q35-1-T-A-65676H	3/8 WMC	144,20	20,78	20,78	55,000	22	493/363/130
VQ35HR									
6	PRO-H	NI-VQ35HR-S-65974S	3/8 CARR	151,74	20,78	20,78	57,000	22	562/391/171
6	PRO-H	NI-VQ35HR-S-65974H	3/8 WMC	151,74	20,78	20,78	57,000	22	557/386/171
6	PRO-SA	NI-35HR-T-SA-65974H	3/8 WMC	151,74	20,78	20,78	57,000	22	550/387/163
VQ37HR									
6	PRO-H	NI-VQ37HR-S-65886S	3/8 CARR	149,50	20,78	20,78	57,000	22	559/389/170
6	PRO-H	NI-VQ37HR-S-65886H	3/8 WMC	149,50	20,78	20,78	57,000	22	554/384/170
6	PRO-SA	NI-37HR-T-SA-65886H	3/8 WMC	149,50	20,78	20,78	57,000	22	547/385/162
VR38-GTR									
6	PRO-H	NI-VR38-S-66496S	3/8 CARR	165,00	22,76	22,76	59,000	23	604/416/188
6	PRO-H	NI-VR38-S-66496H	3/8 WMC	165,00	22,76	22,76	59,000	23	600/411/189
6 -Xtreme Duty	PRO-XD	NI_BVRXD_0HS_6496B6P	3/8 CARR	165,00	22,76	22,76	59,000	23	754/520/224
VR38-GTR- 0,015"short 2700HP BBC Bearing									
6	ALUM	NI-VR38CAL-15	7/16 WMC	164,62	22,76	22,61	59,055	0,927"	571/408/163
TB48									
6	PRO-H	NI-TB48-1-S-66437S	3/8 CARR	163,50	25,91	32,77	60,000	23	780/560/220
6	PRO-H	NI-TB48-1-S-66437H	3/8 WMC	163,50	25,91	32,77	60,000	23	774/554/220
6	PRO-SA	NI-TB48-T-SA-66437H	3/8 WMC	163,50	25,91	32,77	60,000	23	785/555/230
Opel/Vauxhall									
2,0L C20XE/C20LET									
4	PRO-H	OP-C20-S-65634S	3/8 CARR	143,10	22,00	26,37	52,000	21	584/423/161
4	PRO-H	OP-C20-S-65634H	3/8 WMC	143,10	22,00	26,37	52,000	21	578/418/160
4	PRO-SA	OP-C20-T-SA-65634H	3/8 WMC	143,10	22,00	26,37	52,000	21	567/404/163
Ecotec 2,0L and 2,2L(L61) '02-Present									
4	PRO-H	GM-L61-S-65768S	3/8 CARR	146,50	24,00	24,00	52,125	20	546/389/157
4	PRO-H	GM-L61-S-65768H	3/8 WMC	146,50	24,00	24,00	52,125	20	540/383/157
4	PRO-SA	GM-L61-T-SA-65768H	3/8 WMC	146,50	24,00	24,00	52,125	20	560/398/162
Ecotec 2,0LTurbo(LNF) '07-Present									
4	PRO-H	GM-LNF-S-65709S	3/8 CARR	145,00	24,00	24,00	52,125	23	554/386/168
4	PRO-H	GM-LNF-S-65709H	3/8 WMC	145,00	24,00	24,00	52,125	23	548/380/168
4	PRO-SA	GM-LNF-T-SA-65709H	3/8 WMC	145,00	24,00	24,00	52,125	23	553/386/167
Ecotec 2,0L Super Charged(LSJ) '04-09 /LK9/Z20NET-LEL-LER-LEH/B207E-L-R									
4	PRO-H	GM-LSJ-S-65728S	3/8 CARR	145,50	24,00	24,00	52,125	23	553/386/167
4	PRO-H	GM-LSJ-S-65728H	3/8 WMC	145,50	24,00	24,00	52,125	23	547/380/167
4	PRO-SA	GM-LSJ-T-SA--65728H	3/8 WMC	145,50	24,00	24,00	52,125	23	553/385/168

Carrillo Sport Compact Connecting Rods

Cyl	Type	Part #	Bolt Size	Length	PE Width	BE Width	BE Bore	Pin Ø	Total/Rotate/ Recip
Opel/Vauxhall									
Ecotec 2,0L(LTG) with 22mm pin									
4	PRO-H	GM_BLTG_1HS_6004B6S	3/8 CARR	152,50	24,13	26,49	52,125	22	615/422/193
4	PRO-H	GM_BLTG_1HS_6004B6H	3/8 WMC	152,50	24,13	26,49	52,125	22	609/416/193
Ecotec 2,4L (LE5) '06-present									
4	PRO-H	GM-LE5-S-65659S	3/8 CARR	143,75	24,00	24,00	52,125	20	570/309/161
4	PRO-H	GM-LE5-S-65659H	3/8 WMC	143,75	24,00	24,00	52,125	20	565/304/161
4	PRO-SA	GM-LE5-T-SA-65659H	3/8 WMC	143,75	24,00	24,00	52,125	20	553/393/160
Peugeot									
204&308 1,6L PSA EP6CDT&EP6DTS									
4	PRO-H	BM_BR56_0HS_5454B5S	5/16 CARR	138,53	20,88	20,88	48,000	20	459/311/148
Porsche									
2,0/ 2,2L									
6	PRO-H	PR-2.0-S-65120S	3/8 CARR	130,00	25,40	21,69	61,008	22	573/404/169
6	PRO-H	PR-2.0-S-65120H	3/8 WMC	130,00	25,40	21,69	61,008	22	568/399/169
912/356 with Porsche Case									
4	PRO-H	PR-912-S-45352S	1/4 CARR	127,00	25,40	19,53	56,993	22	445/297/148
912/356 Cam Clearance									
4	PRO-H	PR_R912_1HS_5352B4S	1/4 CARR	127,00	25,40	19,53	56,993	22	438/290/148
2,4/ 2,7L									
6	PRO-H	PR-247-S-65030S	3/8 CARR	127,75	25,40	23,72	56,007	22	573/405/168
6	PRO-H	PR-247-S-65030H	3/8 WMC	127,75	25,40	23,72	56,007	22	568/400/168
944, 944T, 968									
4	PRO-H	PR-944-S-65906S	3/8 CARR	150,00	26,92	28,73	54,991	24	674/474/200
4	PRO-H	PR-944-S-65906H	3/8 WMC	150,00	26,92	28,73	54,991	24	669/469/200
3,0L									
6	PRO-H	PR-3.0-S-65030S	3/8 CARR	127,75	25,40	21,74	56,007	22	558/389/169
6	PRO-H	PR-3.0-S-65030H	3/8 WMC	127,75	25,40	21,74	56,007	22	553/384/169
3,2/3,3L Turbo, w/ 22 pin									
6	PRO-H	PR-33>22-65000S	3/8 CARR	127,00	25,40	21,74	58,014	22	576/403/173
6	PRO-H	PR-33>22-65000H	3/8 WMC	127,00	25,40	21,74	58,014	22	571/398/173
3,2/3,3L Turbo, w/ 23 pin									
6	PRO-H	PR-33>23-65000S	3/8 CARR	127,00	25,40	21,74	58,014	23	579/406/173
6	PRO-H	PR-33>23-65000H	3/8 WMC	127,00	25,40	21,74	58,014	23	574/401/173
Boxster(986/987)Cayman(987),996 Non Turbo with 2,5/2,7/3,2/3,4L									
6	PRO-H	PR-996-S-65708S	3/8 CARR	144,98	20,78	20,17	55,999	22	567/407/160
6	PRO-H	PR-996-S-65708H	3/8 WMC	144,98	20,78	20,17	55,999	22	561/401/160
(Cayenne) 3,2L VR6 w/ 84 or Larger Bore									
6	PRO-H	VW-32VR6-S-9M6457S	9 CARR	164,00	19,94	19,94	56,800	20	513/360/153
6	PRO-H	VW-32VR6-S-9M6457H	9 WMC	164,00	19,94	19,94	56,800	20	503/354/149
993/996 Turbo									
6	PRO-H	PR-993-S-65000S	3/8 CARR	127,00	19,51	18,90	58,014	23	540/379/161
6	PRO-H	PR-993-S-65000H	3/8 WMC	127,00	19,51	18,90	58,014	23	535/374/161
996-997 Non-Turbo with 3,6L/3,8L									
6	PRO-H	PR-99603-S-65590S	3/8 CARR	141,99	20,78	19,41	55,999	22	545/385/160
6	PRO-H	PR-99603-S-65590H	3/8 WMC	141,99	20,78	19,41	55,999	22	539/379/160
996-997 3,4/3,6/3,8 Non-Turbo '09+									
6	PRO-H	PR_B9A1_0HS_5512B6S	3/8 CARR	140,00	20,78	19,41	55,999	22	551/386/165
6	PRO-H	PR_B9A1_0HS_5512B6H	3/8 WMC	140,00	20,78	19,41	55,999	22	545/380/165
Porsche									
997 Turbo with 3,6L '07-08									
6	PRO-H	PR_R997T_0HS_5000B6S	3/8 CARR	127,00	19,69	18,90	58,014	23	540/376/164
6	PRO-H	PR_R997T_0HS_5000B6H	3/8 WMC	127,00	19,69	18,90	58,014	23	537/373/164

Carrillo Sport Compact Connecting Rods

Cyl	Type	Part #	Bolt Size	Length	PE Width	BE Width	BE Bore	Pin Ø	Total/Rotate/ Recip
997 Cup									
6	PRO-H	PR_R7T23_0HT_5118B6S	3/8 CARR	130,00	23,13	21,84	56,007	23	524/362/162
6	PRO-H	PR_R7T23_0HT_5118B6H	3/8 WMC	130,00	23,13	21,84	56,007	23	518/356/162
997 Cup with 22mm pin									
6	PRO-H	PR_R7T3_0HT_5118B6S	3/8 CARR	130,00	23,50	21,84	56,007	22	517/359/158
6	PRO-H	PR_R7T3_0HT_5118B6H	3/8 WMC	130,00	23,50	21,84	56,007	22	511/354/157
3,6L RSR, 964									
6	PRO-H	PR-RSR-S-65000S	3/8 CARR	127,00	19,51	21,74	58,014	23	562/401/161
6	PRO-H	PR-RSR-S-65000H	3/8 WMC	127,00	19,51	21,74	58,014	23	557/396/161
3,8L Turbo '09-11									
6	PRO-H	PR_B38T09_0HS_5511B6S	3/8 CARR	139,98	20,75	19,41	55,999	23	536/378/158
6	PRO-H	PR_B38T09_0HS_5511B6H	3/8 WMC	139,98	20,75	19,41	55,999	23	530/372/158
Spridget(Mini)									
Spridget/Midget 1275									
4	PRO-H	SP-1275-S-55750S	5/16 CARR	146,05	22,35	26,90	44,976	20,63	467/329/138
Spridget 948CC									
4	PRO-H	SP-948-S-55750S	5/16 CARR	146,05	22,35	26,85	44,976	15,87	439/299/140
Subaru/Saab 9-2									
EJ18, EJ20, EJ22, EJ257(WRX STi)									
4	PRO-H	SB-2LTR-S-65137S	3/8 CARR	130,50	21,46	21,44	55,000	23	524/374/150
4	PRO-H	SB_B2LHD_0HS_5137B6S	3/8 CARR	130,50	21,46	21,44	55,000	23	560/390/170
4	PRO-H	SB-2LTR-S-65137H	3/8 WMC	130,50	21,46	21,44	55,000	23	519/368/151
4	PRO-H	SB_B2LHD_0HS_5137B6H	3/8 WMC	130,50	21,46	21,44	55,000	23	554/384/170
4	PRO-SA	SB-2LTR-T-SA-65137H	3/8 WMC	130,50	21,46	21,44	55,000	23	517/363/154
4	PRO-A	SB-2LTR-1-T-A-65137H	3/8 WMC	130,50	21,46	21,44	55,000	23	509/369/140
FA20									
4	PRO-H	SB_AFA20_1HS_5090B6M	3/8 CARR	129,29	21,41	21,41	53,000	22	543/380/163
4	PRO-H	SB_AFA20_1HS_5090B6W	3/8 WMC	129,29	21,41	21,41	53,000	22	538/378/160
4	PRO-A	SB_AFA20_0AT_5090B6M	3/8 CARR	129,29	21,41	21,41	53,000	22	487/346/131
Toyota/Lexus									
1,5L 1NZ-FE									
4	PRO-H	TO-1NZFE-S-55543S	5/16 CARR	140,79	17,91	17,91	43,000	18	383/275/108
4	PRO-A	TO_B1NZF_0AT_5543B5H	5/16 WMC	140,79	17,91	17,91	43,000	18	359/259/100
1,6L 4AG									
4	PRO-H	TO-4AGZ-S-54803S	5/16 CARR	122,00	21,84	21,79	45,009	20	432/302/130
1,8L 2ZZ-GE									
4	PRO-H	TO-2ZZGE-S-65433S	3/8 CARR	138,00	18,01	19,81	48,001	20	453/335/118
4	PRO-H	TO-2ZZGE-S-65433H	3/8 WMC	138,00	18,01	19,81	48,001	20	448/330/118
4	PRO-SA	TO-2ZZGE-T-SA-65433H	3/8 WMC	138,00	18,01	19,81	48,001	20	463/330/133
2,0L 4U-GSE									
4	PRO-H	SB_AFA20_1HS_5090B6M	3/8 CARR	129,29	21,41	21,41	53,000	22	543/380/163
4	PRO-H	SB_AFA20_1HS_5090B6W	3/8 WMC	129,29	21,41	21,41	53,000	22	538/378/160
4	PRO-A	SB_AFA20_0AT_5090B6M	3/8 CARR	129,29	21,41	21,41	53,000	22	487/346/131
2,0L 3S-GE, 3S-GTE									
4	PRO-H	TO-3SG-S-65433S	3/8 CARR	138,00	26,92	26,77	51,003	22	583/411/172
4	PRO-H	TO-3SG-S-65433H	3/8 WMC	138,00	26,92	26,77	51,003	22	584/414/170
4	PRO-SA	TO-3SG-T-SA-65433H	3/8 WMC	138,00	26,92	26,77	51,003	22	558/398/160
4	PRO-A	TO-3SG-1-T-A-65433H	3/8 WMC	138,00	26,92	26,77	51,003	22	532/389/143
2,4L 2AZ-FE(May require cylinder sleeve clearancing)									
4	PRO-H	TO-2AZFE-S-65886S	3/8 CARR	149,50	19,81	19,81	51,001	22	543/376/167
4	PRO-H	TO-2AZFE-S-65886H	3/8 WMC	149,50	19,81	19,81	51,001	22	537/370/167
4	PRO-SA	TO-2AZFE-T-SA-65886H	3/8 WMC	149,50	19,81	19,81	51,001	22	534/366/168
4	PRO-A	TO-2AZFE-1-T-A-65886H	3/8 WMC	149,50	19,81	19,81	51,001	22	496/359/137

Carrillo Sport Compact Connecting Rods

Cyl	Type	Part #	Bolt Size	Length	PE Width	BE Width	BE Bore	Pin Ø	Total/Rotate/ Recip
Toyota/Lexus									
2,5L 1JZ									
6	PRO-H	TO-1JZ-S-164931S	3/8 CARR	125,25	25,91	25,83	55,042	22	563/405/158
6	PRO-H	TO-1JZ-S-164931H	3/8 WMC	125,25	25,91	25,83	55,042	22	567/413/154
2,7L 3RZ-FE									
4	PRO-H	TO_B3RZE_0YS_5787B7M	7/16 CARR	147,00	25,81	25,81	56.000	24	-
4	PRO-H	TO_B3RZE_0YS_5787B7W	7/16 WMC	147,00	25,81	25,81	56.000	24	-
3,0L 2JZ, 2JZ-GE, 2JZ-GTE									
6	PRO-H	TO-2JZ-S-65590S	3/8 CARR	142,00	25,40	25,91	55,032	22	600/428/172
6	PRO-H	TO-2JZ-S-65590H	3/8 WMC	142,00	25,40	25,91	55,032	22	595/423/172
6	PRO-SA	TO-2JZ-T-SA-65590H	3/8 WMC	142,00	25,40	25,91	55,032	22	569/406/163
6	PRO-A	TO-2JZ-1-T-A-65590H	3/8 WMC	142,00	25,40	25,91	55,032	22	524/385/139
3,0L 2JZ Heavy Duty									
6 -Xtreme Duty	PRO-H	TO_B2JXD_0YS_5590B6P	3/8 CARR	142,00	25,40	25,91	55,032	22	699/496/203
6	PRO-H	TO-2JHD-S-65590S	3/8 CARR	142,00	25,40	25,91	55,032	22	606/428/178
6	PRO-H	TO-2JHD-S-65590H	3/8 WMC	142,00	25,40	25,91	55,032	22	601/423/178
4,0L 1GR-FE									
6	PRO-H	TO-1GRFE-S-66300S	3/8 CARR	160,00	20,83	20,83	59,000	22	605/421/184
6	PRO-H	TO-1GRFE-S-66300H	3/8 WMC	160,00	20,83	20,83	59,000	22	599/415/184
6	PRO-SA	TO-1GRFE-T-SA-66300H	3/8 WMC	160,00	20,83	20,83	59,000	22	630/432/198
4,5L 1FZ-FE									
6	PRO-H	TO-1FZFE-1-S-66063S	3/8 CARR	154,00	27,84	27,84	60,528	26	760/519/241
6	PRO-H	TO-1FZFE-1-S-66063H	3/8 WMC	154,00	27,84	27,84	60,528	26	754/513/241
6	PRO-SA	TO-1FZFE-T-SA-66063H	3/8 WMC	154,00	27,84	27,84	60,528	26	740/507/233
Triumph									
Spitfire 1500, late 1300 ,GT6,TR6									
4&6	PRO-H	TM-GT6-S-45750S	1/4 CARR	146,05	22,86	22,78	51,338	22,15	439/299/140
TR4/TR3									
4	PRO-H	TM-TR4-S-66250S	3/8 CARR	158,75	26,92	29,85	56,718	22,22	664/480/184
4	PRO-H	TM-TR4-S-66250H	3/8 WMC	158,75	26,92	29,85	56,718	22,22	659/475/184
VAG (Audi/VW/Skoda/Seat)									
1,8T 20v, 2,0L 16v(9a) & 2,2L (5 cyl)									
4 & 5	PRO-H	VW-GTI-S-65670S	3/8 CARR	144,00	25,40	24,92	50,617	20	578/408/170
4 & 5	PRO-H	VW-GTI-S-65670H	3/8 WMC	144,00	25,40	24,92	50,617	20	573/403/170
4 & 5	PRO-SA	VW-GTI-T-SA-65670H	3/8 WMC	144,00	25,40	24,92	50,617	20	555/396/159
4 & 5	PRO-A	VW-GTI-1-T-A-65670H	3/8 WMC	144,00	25,40	24,92	50,617	20	539/395/141
2,0L ABA +ABF									
4	PRO-H	VW-ABA-S-66260S	3/8 CARR	159,00	24,89	24,92	50,617	21	585/408/177
4	PRO-H	VW-ABA-S-66260H	3/8 WMC	159,00	24,89	24,92	50,617	21	579/402/177
4	PRO-SA	VW-ABA-T-SA-66260H	3/8 WMC	159,00	24,89	24,92	50,617	21	594/412/182
2,0L TFSI((Non tapered rod!)									
4	PRO-H	VW-FSI20-S-65670S	3/8 CARR	144,00	21,89	24,92	50,617	20	522/375/147
4	PRO-H	VW-FSI20-S-65670H	3/8 WMC	144,00	21,89	24,92	50,617	20	516/369/147
4	PRO-H	VW_BTFSI_0HS_5670B6S	3/8 CARR	144,00	21,89	24,89	50,617	21	532/375/157
4	PRO-H	VW_BTFSI_0HS_5670B6H	3/8 WMC	144,00	21,89	24,89	50,617	21	524/367/157
2,0L FSI/TSI((Non tapered rod!)									
4	PRO-H	VW_BTSI_0HS_5670B6S	3/8 CARR	144,00	21,89	21,89	50,617	21	547/391/156
4	PRO-H	VW_BTSI_0HS_5670B6H	3/8 WMC	144,00	21,89	21,89	50,617	21	532/375/157
2,0L TFSI/2,5L TTRS((Non tapered rod!)									
4 & 5	PRO-H	AU_BTTRS_0HS_5670B6S	3/8 CARR	144,00	21,89	21,89	50,617	22	556/385/171
4 & 5	PRO-H	AU_BTTRS_0HS_5670B6H	3/8 WMC	144,00	21,89	21,89	50,617	22	550/377/173

Carrillo Sport Compact Connecting Rods

Cyl	Type	Part #	Bolt Size	Length	PE Width	BE Width	BE Bore	Pin Ø	Total/Rotate/ Recip
2,0L TFSI((Non tapered rod!)									
4	PRO-H	VW_BTSI_3HS_5670B6S	3/8 CARR	144,00	21,89	21,89	50,617	23	564/389/175
4	PRO-H	VW_BTSI_3HS_5670B6H	3/8 WMC	144,00	21,89	21,89	50,617	23	557/383/174
2,8L VR6 w/ 82 or Larger Bore									
6	PRO-H	VW-28VR6>-8M6457S	8 CARR	164,00	19,94	19,94	56,800	20	477/332/145
3,2L VR6 w/ 84 or Larger Bore									
6	PRO-H	VW-32VR6-S-9M6457S	9 CARR	164,00	19,94	19,94	56,800	20	513/360/153
6	PRO-H	VW-32VR6-S-9M6457H	9 WMC	164,00	19,94	19,94	56,800	20	503/354/149
Volvo									
Modular Engines 1,9L(4cyl)/ 2,3L,/2,4L/ 2,5L(5cyl)/ 2.9L(6cyl)									
4, 5 & 6	PRO-H	VO-S60-S-65630S	3/8 CARR	143,00	21,89	25,70	53,000	23	580/414/166
4, 5 & 6	PRO-H	VO-S60-S-65630H	3/8 WMC	143,00	21,89	25,70	53,000	23	575/409/166
4, 5 & 6	PRO-SA	VO-S60-T-SA-65630H	3/8 WMC	143,00	21,89	25,70	53,000	23	573/410/163

Bolts

All Bolts should be lubricated under the heads as well as on the threads. We recommend the bolt lube included,or as an alternative,molybdenum base paste mixed with engine oil. The preferred method to torque the bolt is by using the stretch figure listed in the table below.
In order to check bolt stretch, simply fixture one rod,leaving the cap portion free from clamping load. Measure both bolt lengths loose,then progressively tighten the bolt until the measured increase in length correlates with the figures below. Use the indicated torque reading to tighten all the connecting rods in final assembly.

THREAD	TYPE	"Head Marking"	"STRETCH RECOMMENDED (In)"	"STRETCH RECOMMENDED Metric "	"TORQUE NOT TO EXCEED (In)"	"TORQUE NOT TO EXCEED Metric"
1/4	CARR	S4	0.0040 in to 0.0060 in	0.100 to 0.150	215inlb	24 NM
5/16	WMC	H5	0.0040 in to 0.0060 in	0.100 to 0.150	30 ftlb	41 NM
5/16	CARR	S5	0.0050 in to 0.0070 in	0.130 to 0.180	40 ftlb	54 NM
3/8	WMC	H6	0.0050 in to 0.0065 in	0.130 to 0.160	40 ftlb	54 NM
3/8	CARR	S6	0.0050 in to 0.0070 in	0.130 to 0.180	58 ftlb	79 NM
7/16	WMC	H7	0.0050 in to 0.0070 in	0.130 to 0.180	75 ftlb	102 NM
7/16-1	WMC	H71	0.0050 in to 0.0070 in	0.130 to 0.180	75 ftlb	102 NM
7/16	CARR	S7	0.0050 in to 0.0070 in	0.130 to 0.180	100 ftlb	136 NM
M8	WMC	HM8	0.0040 in to 0.0055 in	0.100 to 0.140	20 ftlb	27 NM
M8-1	CARR	SM81	0.0040 in to 0.0055 in	0.100 to 0.150	32 ftlb	43 NM
M8	CARR	SM8	0.0045 in to 0.0060 in	0.110 to 0.150	32 ftlb	43 NM
M9	WMC	HM9	0.0045 in to 0.0060 in	0.110 to 0.150	40 ftlb	54 NM
M9	CARR	SM9	0.0045 in to 0.0060 in	0.110 to 0.150	40 ftlb	54 NM
M10	WMC	HM10	0.0045 in to 0.0060 in	0.110 to 0.150	62 ftlb	84 NM
M10	CARR	SM10	0.0050 in to 0.0070 in	0.130 to 0.180	72 ftlb	98 NM
CARR6PS	CARR	S6-A-xxx-PS	0.0040 in to 0.0060 in	0.100 to 0.150	58 ftlb	79 NM
H7AL	WMC	H7AL	0.0050 in to 0.0070 in	0.130 to 0.180	96 ftlb	130 NM

Clearances

Bearing clearances are dictated primarily by the bearing, not by the housing bore of the connecting rods. The connecting rod bore determines crush. Bearing clearances vary as as to the application, diameter of the journal and bearing design. An approximate factor would be ,001 per 1,000" diameter of crankshaft pin measured at crown of the bearing surface.

Wrist pin bushing clearance is variable per diameter as well. The following is reference scale:

WRIST PIN DIAMETER	CLEARANCE	MAXIMUM CLEARANCE
.500 to 0.750"	.0010"	.0016"
.751 to 1.094"	.0012"	.0020"

Prior to disassembly of the connecting rod, number the connecting rod and matching cap.
DO NOT use a metal stamp.

Cometic StreetPro Kits

Engine	Part Number
BMW	
'66-88 M10 1,8/2,0L 90mm Bore Top End Kit	PRO2027T
66-88 M10 1,8/2,0L Bottom End Kit	PRO2027B
83-93 M20 2,5/2,7L 85mm Bore Top End Kit	PRO2028T
'83-93 M20 2,5/2,7L Bottom End Kit	PRO2028B
Ford	
95-97 Zetec 2,0L 87mm Bore Top End Kit	PRO2029T
'95-97 Zetec 2,0L Bottom End Kit	PRO2029B
'98-04 Zetec 2,0L 87mm Bore Top End Kit	PRO2030T
98-04 Zetec 2,0L Bottom End Kit	PRO2030B
'74-97 2300 2,3L 3,830" Bore Top End Kit	PRO2031T
74-97 2300 2,3L Bottom End Kit	PRO2031B
Honda	
'88-95 D15B1/B2/B7 1,5L 76mm Top End Kit	PRO2032T
'88-95 D15B1/B2/B7 1,5L D16A6/A7 1,6L Bottom End Kit	PRO2032B
'88-91 D16A6/A7 SOHC "ZC" 76mm Top End Kit	PRO2034T
'86-89 D16A1/A9 DOHC "ZC" 76mm Top End Kit	PRO2033T
'86-89 D16A1/A9 DOHC "ZC" Bottom End Kit	PRO2033B
'96-00 SOHC D16Y5/Y7/Y8 76mm Top End Kit	PRO2001T
'96-00 SOHC D16Y5/Y7/Y8 Bottom End Kit	PRO2001B
'92-95 SOHC D16Z6 76mm Bore Top End Kit	PRO2000T
'92-95 SOHC D16Z6 Bottom End Kit	PRO2000B
'94-01 DOHC B16A2/A3 B18C5 82mm Bore Top End Kit	PRO2002T
'94-01 DOHC B16A2/A3 B18C1/C5 Bottom End Kit	PRO2003B
'90-01 DOHC B18A1/B1 Non-VTEC 82mm Bore Top End Kit	PRO2004T
'90-01 DOHC B18A1/B1 Non-VTEC Bottom End Kit	PRO2004B
'94-01 DOHC B18C1"GS-R" 82mm Bore Top End kit	PRO2003T
'97-01 B20B4/Z2 2,0L NON-VTEC 85mm Bore Top End Kit	PRO2035T
'97-01 B20B4/Z2 2,0L NON-VTEC Bottom End Kit	PRO2035B
Hybrid B20 Block w/B16 or Type-R Head 84,5mm Top End Kit	PRO2050T
Hybrid B20 Block W/GS-R Head 84,5mm Top End Kit	PRO2049T
Mazda	
'89-93 B6 16V 1597cc 1,6L DOHC Miata 80mm Top End Kit	PRO2036T
'89-93 B6 16V 1597cc 1,6L DOHC Miata Bottom End Kit	PRO2036B
'93-02 FS-DE 1991cc 2,0L DOHC 84mm Bore Top End Kit	PRO2037T
'93-02 FS-DE 1991cc 2,0L DOHC Bottom End Kit	PRO2037B
Mitsubishi	
'89-94 DOHC 4G63/T 2,0L 86mm Bore Top End Kit(GENI)	PRO2006T
'89-92 DOHC 4G63/T 2,0L Bottom End Kit(GENI)	PRO2006B
'93-94 DOHC 4G63/T 2,0L Bottom End Kit(GENI)	PRO2007B
'95-99 DOHC 420A 2,0L 88,5mm Bore Top End Kit	PRO2005T
'95-99 DOHC 420A 2,0L Bottom End Kit	PRO2005B
'91-00 6G72 DOHC 24V V6 3,0L 93mm Bore Top End Kit	PRO2039T
'91-00 6G72 DOHC 24V V6 3,0L Bottom End Kit	PRO2039B
'88-96 6G72 SOHC 24V V6 3,0L 93mm Bore Top End kit	PRO2038T
'88-96 6G72 SOHC 24V V6 3,0L Bottom End Kit	PRO2038B

Engine	Part Number
Nissan	
SR16VE '97-01 88mm Top End Gasket Kit	PRO2053T
SR16VE '97-01 Bottom End Gasket Kit	PRO2053B
CA18DET DOHC 84mm Bore Top End Kit	PRO2018T
CA18DET DOHC Bottom End Kit	PRO2018B
'91-96 SR20DE FWD ONLY 87mm Bore Top End Kit	PRO2012T
'97-01 SR20DE FWD ONLY 87mm Bore Top End Kit	PRO2011T
'91-01 SR20DE FWD ONLY Bottom End Kit	PRO2012B
SR20DET '88-93 S13 DOHC-RWD 87,5mm Bore Top End Kit	PRO2008T
SR20DET '88-93 S13 DOHC-RWD 87,5mm Bore Top End Kit Incl,Valve Cover Gasket	PRO2052T
'94-98 S14 DOHC-RWD 87,5mm Bore Top End Kit	PRO2009T
SR20DET GTiR RNN14 DOHC-AWD '90-94 88mm Bore Top End Kit	PRO2010T
SR20DET S13/S14/RNN14(GTiR) Bottom End Kit	PRO2010B
'88-93 RB20DET 2,0L Inline 6 80mm Bore Top End Kit	PRO2015T
'91-02 RB25DET 2,5L Inline 6 87mm Bore Top End Kit	PRO2016T
'89-02 RB26DETT 2,6L Inline 6 87mm Bore Top End Kit	PRO2017T
'88-02 RB20DET/25DET/26DETT Inline 6 Bottom End Kit	PRO2017B
'91-94 KA24DE 2,4L 240SX 90mm Bore Top End Kit	PRO2014T
C'95-98 KA24DE 2,4L 240SX 90mm Bore Top End Kit	PRO2013T
C'91-98 KA24DE 2,4L 240SX Bottom End Kit	PRO2014B
'90-99 VG30DE 3,0L V6 88mm Top End Kit	PRO2040T
'90-99 VG30DE 3,0L V6 Bottom End Kit	PRO2040B
Subaru	
'02-03 WRX EJ205 DOHC 93mm Complete Gasket Kit	PRO2044C
'04-05 WRX EJ205 DOHC 93mm Complete Gasket Kit	PRO2023C
'90-96 EJ22E SOHC 98mm Complete Gasket Kit	PRO2026C
'96-99 EJ25D DOHC 101mm Complete Gasket Kit	PRO2025C
'99-05 EJ251 SOHC 101mm Complete Gasket Kit	PRO2022C
'06-07 WRX EJ255 DOHC 101MM Complete Kit	PRO2045C
'08 WRX EJ255 DOHC 101MM Complete Gasket Kit	PRO2046C
'04-06 STi EJ257 DOHC Turbo 101mm set ,040" Complete Gasket Kit	PRO2024C
'07 STi EJ257 DOHC 101MM Complete Gasket Kit	PRO2047C
'08-12 STi EJ257 DOHC 101MM Complete Gasket kit	PRO2048C
Toyota	
'84-92 4A-GE 1,6L DOHC 81mm Top End Kit	PRO2041T
'84-92 4A-GE 1,6L DOHC Bottom End Kit	PRO2041B
'89-94 3S-GTE 2,0L 87mm Top End Kit	PRO2019T
'89-94 3S-GTE 2,0L Bottom End Kit	PRO2019B
'90-97 5S-FE 2,2L 88mm Bore Top End Kit	PRO2042T
'90-97 5S-FE 2,2L Bottom End Kit	PRO2042B
'95-02 2RZ-FE 2,4L/3RZ-FE 2,7L 97mm Top End kit	PRO2043T
'95-02 2RZ-FE 2,4L/3RZ-FE 2,7L Bottom End Kit	PRO2043B
'86-92 7M-GTE 3,0L Inline 6 84mm Top End Kit	PRO2020T
'86-92 7M-GTE 3,0L Inline 6 Bottom End Kit	PRO2020B
'93-97 2JZ-GE NON-TURBO 3,0L Inline 6 87mm Top End Kit	PRO2021T
'93-97 2JZ-GE NON-TURBO 3,0L Inline 6 Bottom End Kit	PRO2021B

Head Gaskets

Note:
Cometic MLS gaskets are available in thickness: .027", .030", .036", .040", .045", .051", .056", .060", .066", .070", .075", .080", .084", .086", .092", .098", .120", 140"
Cometic MLx gaskets are available in thickness: .032", .036", .040", .042", .044", .048", .050", .052",(*.061", *.063", *.065", *.067")
* Only available for diesel applications!
For gasket layouts, please visit www.cometic.com

Major Applications/Engine Code	Max Bore (mm)	Thickness (mm)	Part #	Notes	Brand
Alfa Romeo					
1,2L/1,3L/1350 + 33 1,4L/1,5L Sud/33	85,4	1,50	330008R		Athena
2,0L 8V (GT/75/90/Alfetta/GTV/Spider)	85,3	1,20	338496R	71-93	Athena
2,0L 8V Twinspark	85	1,60	H1995SP2063C	Copper	Cometic
2,0L 8V Twinspark	85	2,03	H1995SP2080C	Copper	Cometic
2,0L TS 16V(155/156/GTV/Spider)	84	1,55	338409R	'95-UP	Athena
2,0L TS 16V(155/156/GTV/Spider)	85,8	0,85	338408R	'95-UP	Athena
Austin/MG/Mini					
Healey Sprite 1000cc	67,5	1,10	C4145-043	Copper	Cometic
Midget 1275	74	1,02	C4148-040		Cometic
Mini 1300cc	73	0,76	C4149-030		Cometic
MGA1500/1600/1600MKII	74	1,02	C4359-040		Cometic
MGB 1,8L 18G/18GA	83	1,02	C4147-040		Cometic
MGB 1,8L 18G/18GA	83.5	1,02	H0794SP7040S		Cometic
BMW/Mini					
Mini Cooper Tritec	78.5	0,69	C4308-027		Cometic
Mini Cooper Prince (N14B16A/C + N18B16A/C)	78	0,91	C4617-036	MLx Gasket	Cometic
Mini N12B14A-B16A/N16B16A(R56R57/R58/R59/R61)	78,5	0,90	338476R	'07-UP	Athena
M10(M116/M118)	86	1,30	C4292-051	1573-1773cc	Cometic
M42B18	87	1,60	BM1010-063		JE Pro-seal
M42B18	87	1,60	338287R		Athena
M42B18	87	2,00	330075R		Athena
M10B18/B20	90	1,30	W6297/C4293-051	66-78/'72-88	Wiseco/Cometic
M10B18/B20	92	1,68	W6300	66-78/'72-88	Wiseco
M10B18/B20	93,5	1,78	H1867SP8070S	66-78/'72-88	Cometic
M10B18/B20	95	1,30	H1867SPC051S	66-78/'72-88	Cometic
M42B18	85	1,52	W6607/C4348-060		Wiseco/Cometic
M44B19	86	1,52	W6606/C4349-060		Wiseco/Cometic
S14B20/B23	90	1,20	H1869SP9047S		Cometic
S14B20/B23	93,4	1,78	C4294-070		Cometic
S14B20/B23	94,5	1,78	C4295-070		Cometic
S14B20/B23	95	1,68	W6301/=(C4295- in 95MM)	1986-1992	Wiseco
S14B23	95	2,00	BM1008-079	M, no MLS	JE Pro-seal
S14B23	95	2,00	330021R	'86-91	Athena
S14B20/B23	95,5	1,68	H1869SP3066S		Cometic
S14B20/B23	95,5	2,49	H1869SP3098S		Cometic
S14B20/B23	96	1,30	H1869SP7051S		Cometic
M20B20/B23	81	1,78	W6608/C4393-070		Wiseco/Cometic
N20B20A/N20B20B	85	1,20	330070R	'10-17	Athena
M20B25/M20B27	85	1,78	W6609/C4394-070		Wiseco/Cometic
M20B25/M20B27	85,5	2,00	330015R		Athena
M20B25/M20B27	85,5	2,00	BM1007-079	M, no MLS	JE Pro-seal
M20B25/M20B27	86	2,48	H1244SP1098S		Cometic
M30B25/M30B28	88	1,78	C4475-070		Cometic
M30B30/M30B32	90	1,78	C4476-070		Cometic
M30B34	93	1,78	C4477-070		Cometic
M30B34	94	1,78	H2333SP1070S		Cometic
M30B34	94,5	1,78	H2333SP5070S		Cometic
M30B34	95	1,78	H2333SP4070S		Cometic
M30B35	93,1	2,00	BM1001-079	M, no MLS	JE Pro-seal
M30B35	93,1	2,00	330016R	'78-UP	Athena
M30B35	95	1,78	H2333SP6070S		Cometic
M88B35(M1 procar)	95	1,30	330061R	79-82	Athena
S38B35/S38B36/S38B38	95,6	2,00	BM1002-079	M, no MLS	JE Pro-seal
S38B35/S38B36/S38B38	95	1,78	W6637/C4478-070		Wiseco/Cometic
S38B35/S38B36/S38B38	95,6	2,00	330017R		Athena
S38B35/S38B36/S38B38	95,5	2,03	H1613SP2080S		Cometic
S38B35/S38B36/S38B38	96	2,03	H1613SP5080S		Cometic
M50B20	82	1,78	W6610/C4332-070		Wiseco/Cometic

Head Gaskets

Major Applications/Engine Code	Max Bore (mm)	Thickness (mm)	Part #	Notes	Brand
BMW/Mini					
M50B25/M52B25/M52B28	84,5	2,00	330012R		Athena
M50B25/M52B25/M52B28 (E36,E34)	84,5	2,00	BM1004-079	M, no MLS	JE Pro-seal
M50B25/M52B25/M52B28 (E36,E34)	85	1,60	BM1003-063	M, no MLS	JE Pro-seal
M50B25/M52B25/M52B28 ('95-00)	85	1,78	W6611/C4328-070		Wiseco/Cometic
M50B25/M52B28	85	2,30	C4328-092		Cometic
M50B25/M52B28	85	1,70	C14010-067	MLX	Cometic
M50B25/M52B25/M52B28	86	1,78	H1511SP4070S		Cometic
M50B25/M52B25/M52B28 (E36,E34)	86	2,00	BM1005-079	M, no MLS	JE Pro-seal
M50B25/M52B25/M52B28	86	1,60	330011R		Athena
M50B25/M52B25/M52B28	86	2,00	330013R		Athena
M50B25/M52B25/M52B28 (E36,E34)	87	2,00	330014R		Athena
M50B25/M52B25/M52B28 (E36,E34)	87	2,00	BM1006-079	M, no MLS	JE Pro-seal
M52B25/M54B25tu/M54B28tu/M54B30 '01-06	85	0,76	C4352-030		Cometic
M54B22tu	81	0,76	W6613/C4351-030		Wiseco/Cometic
M54B25/M54B30	86	1,50	330022R	'00-05	Athena
M54B25/M54B30	87,6	1,50	330023R	'00-05	Athena
N54B30	85	1,12	C15257-044		Cometic
N54B30A/B	86	1,50	330074R	'06-12	Athena
N55B30	85	1,50	C15476-059	MLX	
S50B30/S50B32	87	1,78	C4508-070	Euro Spec	Cometic
S50B30/S52B32	87	1,78	W6612/C4329-070	US spec	Wiseco/Cometic
S50B30/S52B32	87	1,80	338081R	'92-99	Athena
S50B30/S50B32	87	1,80	BM1011-071		JE Pro-seal
S50B30/S50B32	87,1	1,80	330020R	'92-01	Athena
S50B30/S50B32	87,1	1,80	BM1000-071	M, no MLS	JE Pro-seal
S50B30/S52B32 US	87	1,68	W6299/C4329-066	1992-99 M3-Z3	Wiseco/Cometic
S54B32	87,5	1,20	BM1009-048	M, no MLS	JE Pro-seal
S54B32	87,5	1,78	C4505-070	00 and up	Cometic
S54B32	87,5	1,20	330037R		Athena
M60B40	90,6	2,00	330024R	'92-01-Right	Athena
M60B40	90,6	2,00	330025R	'92-01-Left	Athena
M62B44 / 448	93,6	2,00	330026R	'96-04-Right	Athena
M62B44 / 448	93,6	2,00	330027R	'96-04-Left	Athena
N62B44	94	0,68	C4374-027	V8 - Need 2	Cometic
S63B44	90	1,02	C15478-040	MLX - V8 - Need 2	Cometic
S65B40	93	0,68	C5111-027		Cometic
S65B40	94	0,68	C5112-027		Cometic
S85B50	93	0,68	C4528-027	V10 - Need 2	Cometic
S85B50	94,5	0,68	C4529-027	V10 - Need 2	Cometic
Chrysler					
2,0 & 2,4L Neon	87.5	1,02	W6168/C5497-040	420A	Wiseco/Cometic
2,0 & 2,4L Neon	88.5	1,02	C5498-040	420A	Wiseco/Cometic
2,4L Turbo (SRT-4)	90	0,76	C4549-030		Cometic
Ferrari					
275 GTB/4	78	1,10	H2092SPA043F	V12 - Need 2	Cometic
308 2V '74-81	81	1,14	C4430-045	V8 - Need 2	Cometic
308 2V '74-81	89	1,14	C4395-045	V8 - Need 2	Cometic
308/328 4V '82-84	83	1,14	C4428-045	V8 - Need 2	Cometic
308/328 4V '82-84	89	1,14	C4429-045	V8 - Need 2	Cometic
F40 2,9L V8	84	1,52	C4482-060	V8 - Need 2	Cometic
550/575GT	90,50	1,50	338404R	96-02/'02-06	Athena
Ford/Cosworth/Lotus					
1,6L Lotus LNA - LHA - LHB	81	1,30	FD1006-051	M	JE Pro-seal
1,6L Lotus LNA - LHA - LHB	81	1,30	338270R	LNA/LHA/LHB	Athena
1,6L Lotus LNA - LHA - LHB	81	1,60	338271R	LNA/LHA/LHB	Athena
1,6L Lotus LNA - LHA - LHB	81	1,90	338272R	LNA/LHA/LHB	Athena
1,6L CVH/LNA	83	1,30	C5756-051		Cometic
1,6L Sigma(Duratec Ti-VCT) '11-16	82	0,71	C4963-028	MLx Gasket	Cometic
Escort/Fiesta 1,6L Turbo Zetec	81	1,30	338270R	LNA/LHA/LHB	Athena
Escort/Fiesta 1,6L Turbo Zetec	81	1,60	338271R	LNA/LHA/LHB	Athena
Escort/Fiesta 1,6L Turbo Zetec	81	1,90	338272R	LNA/LHA/LHB	Athena
Fiesta ST1600	85,5	1,35	338403R	'13-UP	Athena
Ecoboost 1,6L(JQDA/JQDB/JTBA/JTDA)	80	1,00	338447R	'10-UP	Athena
1,6L Ecoboost	80	1,00	FD1021-039		JE Pro-seal
1,7L Zetec(MHA/B)	83	0,25	C4223-010	Puma	Cometic

▲TOP

GASKETS

Head Gaskets

Major Applications/Engine Code	Max Bore (mm)	Thickness (mm)	Part #	Notes	Brand
Ford/Cosworth/Lotus					
2,0L Lotus EDB - EDD - NG	86,2	1,00	FD1010-039	M	JE Pro-seal
Focus 2,0L 16V Zetec	86,2	1,00	338267R	EDB,/EDD,/NG,	Athena
Focus 2,0L 16V Zetec	86,2	1,30	338268R	EDB,/EDD,/NG,	Athena
2,0L Lotus EDB - EDD - NG	86,2	1,30	FD1010-051	M	JE Pro-seal
2,0L Lotus EDB - EDD - NG	86,2	1,60	FD1010-063	M	JE Pro-seal
Focus 2,0L 16V Zetec	86,2	1,60	338269R	EDB,/EDD,/NG,	Athena
Escort RS Cosworth 2,0L 16V	91,4	1,30	330029R	YB/OHC/NEP	Athena
Escort RS Cosworth 2,0L 16V	92,1	1,30	330030R	YB/OHC/NEP	Athena
Escort RS Cosworth 2,0L 16V	92,1	2,00	330046R	YB/OHC/NEP	Athena
Escort RS Cosworth 2,0L 16V	92,5	1,00	338048R	YB/OHC/NEP	Athena
Escort RS Cosworth 2,0L 16V	92,5	1,15	338045R	YB/OHC/NEP	Athena
Escort RS Cosworth 2,0L 16V	92,5	1,30	338042R	YB/OHC/NEP	Athena
Pinto/OHC(SOHC) 2,0L	92,5	1,02	W6305/C4350-040	NEP	Wiseco/Cometic
Pinto/OHC/YB(DOHC) 2,0L	92,5	1,30	C4350-051	C4248-Complete Engine set	Cometic
Cosworth DOHC YB/SOHC OHC/NEP	92,5	1,00	FD1007-039		JE Pro-seal
Cosworth DOHC YB/SOHC OHC/NEP	92,5	1,15	FD1007-045		JE Pro-seal
Cosworth DOHC YB/SOHC OHC/NEP	92,5	1,30	FD1007-051		JE Pro-seal
Cosworth DOHC YB/SOHC OHC/NEP	93,5	1,15	FD1008-045	M	JE Pro-seal
Cosworth DOHC YB/SOHC OHC/NEP	93,5	1,30	FD1008-051		JE Pro-seal
Escort RS Cosworth 2,0L 16V	93,5	1,00	338047R	YB/OHC/NEP	Athena
Escort RS Cosworth 2,0L 16V	93,5	1,15	338044R	YB/OHC/NEP	Athena
Escort RS Cosworth 2,0L 16V	93,5	1,30	338041R	YB/OHC/NEP	Athena
Pinto/OHC/YB(DOHC) 2,0L	94	1,02	H1267SP8040S		Cometic
Pinto/OHC/YB(DOHC) 2,0L	94	2,03	H1267SP8080S		Cometic
Cosworth DOHC YB/SOHC OHC/NEP	94,5	1,15	FD1009-045	M	JE Pro-seal
Cosworth DOHC YB/SOHC OHC/NEP	94,5	1,30	FD1009-051		JE Pro-seal
Escort RS Cosworth 2,0L 16V	94,5	1,15	338043R	YB/OHC/NEP	Athena
Escort RS Cosworth 2,0L 16V	94,5	1,30	338040R	YB/OHC/NEP	Athena
Ford/Mazda 2,0L	84	0,91	W6337/C5844-036	FS-DE engine code	Wiseco/Cometic
Ford/Mazda 2,0L	84,5	0,69	C5845-027	FS-DE engine code	Cometic
Zetec 2,0L(ZX3)	86,2	1,00	FD1020-039		JE Pro-seal
Zetec 2,0L	87	0,69	C4279-027	'95-04	Cometic
Ecoboost 2,0L	85	1,37	H2264SPG054S	MLs Gasket	Cometic
Ecoboost 2,0L	89	0,86	C15317-034	MLs Gasket	Cometic
Ecoboost 2,0L	89	1,68	C15317-066	MLs Gasket	Cometic
Ecoboost 2,0L	89	1,25	FD1023-049		JE Pro-seal
Ecoboost 2,0L(TNCD/TNCF)	89	1,25	338483R	'10-UP	Athena
Ecoboost 2,0L	85	1,37	H2264SPG054S	MLs Gasket	Cometic
Ecoboost 2,3L	89,25	1,02	H4231040S	MLx Gasket	Cometic
Ecoboost 2,3L	89	1,30	FD1024-051		JE Pro-seal
Ecoboost 2,3L(YVDA/N38H/N48H) Focus/Mustang	89	1,30	338482R	'15-UP	Athena
Ecoboost 2,3L	89	1,02	C15294-040	16-UP MLx Gasket	Cometic
Ecoboost 2,3L	90	1,30	338515R	YVDA	Athena
Pinto 2,3L SOHC 2300	97,3	1,00	FD1004-039	M	JE Pro-seal
Pinto 2,3L SOHC 2300	97,28	1,02	C5369-040		Cometic
Duratec 2,0/2,3LDOHC (AOBA/CJBA/) Focus/ Fiesta	89	1,20	330056R	'00-14	Athena
Duratec 2,0/2,3L(LF/TBBA/GZFB) Focus/Fiesta	89	0,75	338469R	'00-UP	Athena
Duratec 2,0/2,3L(LF/TBBA/GZFB) Focus/Fiesta	89	1,00	338471R	'00-UP	Athena
Duratec 2,0/2,3L DOHC	89,5	0,46	C5843-018		Cometic
Duratec 2,0/2,3L(LF/TBBA/GZFB) Focus/Fiesta	91	0,75	338470R	'00-UP	Athena
Duratec 2,0/2,3L(LF/TBBA/GZFB) Focus/Fiesta	91	1,00	338472R	'00-UP	Athena
Duratec 2,0/2,3L DOHC	92	0,46	C5842-018		Cometic
Ranger 2,3L SOHC Duratec	97,28	1,00	338301R		Athena
Duratec 2,5L(GBVAFS7GA) Fusion/Ranger	91	0,70	338473R	'08-UP	Athena
Duratec 2,5L(GBVAFS7GA) Fusion/Ranger	91	1,00	338474R	'08-UP	Athena
ST/RS 2,5L 20V	83	1,20	338284R	HUBA/HUWA/HYDA/JZDA	Athena
ST/RS 2,5L 20V	83	1,60	338429R	HUBA/HUWA/HYDA/JZDA	Athena
ST/RS 2,5L 20V	84	1,60	330045R	HUBA/HUWA/HYDA/JZDA	Athena
Duratec 2,5L DISI	90	1,02	C5906-040		Cometic
Essex 3,0L V6	95,5	1,02	C4971-040		Cometic
Mondeo 3,0L/ST220 (MEBA/REBA)	97,6	1,02	330031R	'04-09-Right	Athena
Mondeo 3,0L/ST220 (MEBA/REBA)	97,6	1,02	330032R	'04-09-Left	Athena

Head Gaskets

Major Applications/Engine Code	Max Bore (mm)	Thickness (mm)	Part #	Notes	Brand
Fiat/Lancia					
1,3L 127 X 1/9 Bolt head	88	1,12	C4952-044	86-88	Cometic
1,3/1,5L (128A/138A)	88	1,3	338495R		Athena
500 Abarth 1,4L(199/312)	73	1,20	338434R	'08-UP	Athena
Punto 1,4L Turbo(146A)	81,5	1,80	330003R	'89-99	Athena
Punto 1,4L Turbo(146A)	82	1,80	330010R	'89-99	Athena
Punto 1,4L Turbo(146A)	82,2	1,70	338005R	'89-99	Athena
Punto 1,4L Turbo(146A)	82,5	1,30	338006R	'89-99	Athena
Punto Turbo 1,4L (146A+176A)	82,5	1,30	FT1002-051	M	JE Pro-seal
Punto Turbo 1,4L (146A+176A)	82,5	1,70	FT1002-067	M	JE Pro-seal
Punto 1,6L Turbo (159A)	88	1,30	FT1006-051	M	JE Pro-seal
Punto 1,6L/Dedra 1,6L(159A/B-176A)	88	1,30	338251R	'93-99	Athena
Punto 1,6L Turbo (159A)	88	1,70	FT1006-067	M	JE Pro-seal
Punto 1,6L/Dedra 1,6L(159A/B-176A)	88	1,70	338252R	'93-99	Athena
1,6/1,8/2,0L 124-131-132/828 Beta	85,5	1,30	338412R		Athena
Punto S1600	84	1,55	338409R	'00-UP	Athena
Punto S2000	85,8	0,85	338408R	'06-UP	Athena
2,0L Delta Integrale 8V/16V/Coupé	85	1,02	C4124-040	Integrale & Coupé	Cometic
2,0L Delta Integrale 8V/16V/Coupé	85,3	1,25	338456R	'87-94	Athena
2,0L Delta/Dedra/Kappa/Thema 16V	85,3	1,60	338396R	'89-96	Athena
2,0L Delta Integrale 8V/16V/Coupé	85,3	1,60	338396R	'87-94	Athena
2,0L Delta Integrale 8V/16V/Coupé	85,3	1,60	FT1003-063	M	JE Pro-seal
2,0L Delta Integrale 8V/16V/Coupé	85,3	1,75	338458R	'87-94	Athena
2,0L Delta Integrale 8V/16V/Coupé	85,3	1,90	338457R	'87-94	Athena
2,0L Delta/Dedra/Kappa/Thema 16V	85,5	1,80	330001R	'89-96	Athena
2,0L Delta Integrale 8V/16V/Coupé	85,5	1,80	330039R	'87-94	Athena
2,0L Delta Integrale 8V/16V/Coupé	86	0,65	338398R	'89-96	Athena
2,0L Delta/Dedra/Kappa/Thema 16V	86	0,65	338398R	'89-96	Athena
2,0L Delta/Dedra/Kappa/Thema 16V	87	1,60	338397R	'89-96	Athena
2,0L Delta Integrale 8V/16V/Coupé	87	1,60	FT1005-063	M	JE Pro-seal
2,0L Delta Integrale 8V/16V/Coupé	87	1,85	338493R	'89-97	Athena
Honda					
B16A2-A3/B17A1/B18C1-C5	81,5	0,85	338085R	Civic/CRX 1,6L 16V vtec	Athena
B16A2-A3/B17A1/B18C1-C5	81,5	0,85	HN1000-033	Civic/CRX 1,6L 16V vtec	JE Pro-seal
B16A2-A3/B17A1/B18C1-C5	81,5	0,76	W6602/C4232-030	Vtec	Wiseco/Cometic
B16A2-A3/B17A1/B18C1-C5	82	0,85	HN1001-033	Civic/CRX 1,6L 16V vtec	JE Pro-seal
B16A2-A3/B17A1/B18C1-C5	82	0,76	W6167/C4168-030	Vtec	Wiseco/Cometic
B16A2-A3/B17A1/B18C1-C5	83	0,85	HN1002-033	Civic/CRX 1,6L 16V vtec	JE Pro-seal
B16A2-A3/B17A1/B18C1-C5	84	0,76	W6084/C4188-030	Vtec	Wiseco/Cometic
B16A2-A3/B17A1/B18C1-C5	84	0,85	HN1003-033	Civic/CRX 1,6L 16V vtec	JE Pro-seal
B16A2-A3/B17A1/B18C1-C5	85	0,85	HN1004-033	Civic/CRX 1,6L 16V vtec	JE Pro-seal
B16A2-A3/B17A1/B18C1-C5	85	0,76	W6291/C4182-030	Vtec	Wiseco/Cometic
B16A2-A3/B17A1/B18C1-C5	85,5	0,69	H1342SP2027S	Vtec	Cometic
B16, B17, B18C	82	0,76	W6086/C4173-030	Non Vtec	Wiseco/Cometic
Integra 1,8L 16V (B18C1-C5)	81,5	0,60	338402R	VTEC '99-00	Athena
Integra 1,8L 16V (B18C1-C5)	82	0,85	338086R	VTEC '99-00	Athena
Integra 1,8L 16V (B18C1-C5)	83	0,85	338087R	VTEC '99-00	Athena
Integra 1,8L 16V (B18C1-C5)	84	0,85	338088R	VTEC '99-00	Athena
Integra 1,8L 16V (B18C1-C5)	85	0,85	338089R	VTEC '99-00	Athena
B18, B20	84	0,76	W6089/C4193-030	Vtec	Wiseco/Cometic
B18, B20	85	0,76	W6087/C4175-030	Non Vtec	Wiseco/Cometic
B18, B20	85	0,76	W6292/C4194-030	Hybrid VTEC	Wiseco/Cometic
B18, B20	86,5	0,76	W6293/C4242-030	Hybrid LS/CRV-VTEC	Wiseco/Cometic
B18A Hybrid(non VTEC Block-VTEC Head)	81	0,85	HN1005-033		JE Pro-seal
B18A Hybrid(non VTEC Block-VTEC Head)	81	0,85	338090R		Athena
B18A Hybrid(non VTEC Block-VTEC Head)	82	0,85	HN1006-033		JE Pro-seal
B18A Hybrid(non VTEC Block-VTEC Head)	82	0,85	338092R		Athena
B18A Hybrid(non VTEC Block-VTEC Head)	83	0,85	HN1007-033		JE Pro-seal
B18A Hybrid(non VTEC Block-VTEC Head)	83	0,85	338093R		Athena
B18A Hybrid(non VTEC Block-VTEC Head)	84	0,85	HN1008-033		JE Pro-seal
B18A Hybrid(non VTEC Block-VTEC Head)	84	0,85	338094R		Athena
B18A Hybrid(non VTEC Block-VTEC Head)	85	0,75	338096R		Athena
B18A Hybrid(non VTEC Block-VTEC Head)	85	0,85	HN1009-033		JE Pro-seal
B18A1/B1 DOHC Integra 1,8L 16V Non VTEC	81	0,76	C4238-030		Cometic
B18A1/B1 DOHC Integra 1,8L 16V Non VTEC	81	0,85	HN1010-033		JE Pro-seal

▲TOP

GASKETS

Head Gaskets

Major Applications/Engine Code	Max Bore (mm)	Thickness (mm)	Part #	Notes	Brand
Honda					
B18A1/B1 DOHC Integra 1,8L 16V Non VTEC	81	0,85	338098R	'90-93	Athena
B18A1/B1 DOHC Integra 1,8L 16V Non VTEC	81,5	0,76	C4239-030		Cometic
B18A1/B1 DOHC Integra 1,8L 16V Non VTEC	82	0,76	C4173-030		Cometic
B18A1/B1 DOHC Integra 1,8L 16V Non VTEC	82	0,85	HN1011-033		JE Pro-seal
B18A1/B1 DOHC Integra 1,8L 16V Non VTEC	82	0,85	338100R	'90-93	Athena
B18A1/B1 DOHC Integra 1,8L 16V Non VTEC	83	0,76	C4181-030		Cometic
B18A1/B1 DOHC Integra 1,8L 16V Non VTEC	83	0,85	HN1012-033	M	JE Pro-seal
B18A1/B1 DOHC Integra 1,8L 16V Non VTEC	83	0,85	338101R	'90-93	Athena
B18A1/B1 DOHC Integra 1,8L 16V Non VTEC	84	0,76	C4180-030		Cometic
B18A1/B1 DOHC Integra 1,8L 16V Non VTEC	84	0,85	HN1013-033		JE Pro-seal
B18A1/B1 DOHC Integra 1,8L 16V Non VTEC	84	0,85	338102R	'90-93	Athena
B18A1/B1 DOHC Integra 1,8L 16V Non VTEC	85	0,76	C4175-030		Cometic
B18A1/B1 DOHC Integra 1,8L 16V Non VTEC	85	0,85	HN1014-033	M	JE Pro-seal
B18A1/B1 DOHC Integra 1,8L 16V Non VTEC	85	0,85	338103R	'90-93	Athena
B18A1/B1 DOHC Integra 1,8L 16V Non VTEC	86	0,76	H1355SP2030S		Cometic
B18C1/C5 DOHC Integra 1,8L 16V VTEC	81,5	0,60	338402R	VTEC '99-00	Athena
B18C1/C5 DOHC Integra 1,8L 16V VTEC	82	0,85	338086R	VTEC '99-00	Athena
B18C1/C5 DOHC Integra 1,8L 16V VTEC	83	0,85	338087R	VTEC '99-00	Athena
B18C1/C5 DOHC Integra 1,8L 16V VTEC	84	0,85	338088R	VTEC '99-00	Athena
B18C1/C5 DOHC Integra 1,8L 16V VTEC	85	0,85	338089R	VTEC '99-00	Athena
B18C1/C5 DOHC Integra 1,8L 16V VTEC	86	0,76	H1342SP1030S	VTEC '99-00	Cometic
B20A5/B21A1	82	1,14	C4565-045		Cometic
B20B4/B20Z2	85	0,76	C4250-030	Non Vtec	Cometic
B20B4/B20Z2	85	0,85	HN1015-033		JE Pro-seal
B20B4/B20Z2	85	0,85	338104R	'97-01 CRV 2,0L 16V	Athena
B21A1	84	1,02	C4586-040		Cometic
D15B1/B2/B7	75,5	0,76	C4117-030	SOHC	Cometic
D15B1/B2/B7	76	0,76	C4118-030	SOHC	Cometic
1,4L/1,5L/1,6L(D16A6-A7/Z1-Z2) Civic	76	0,85	338107R	D13B1-B2/D15B1-B2-B6-B7-B8	Athena
D13B/D15B/D16A6-A7/D16Z1-Z2	76	0,85	HN1016-033		JE Pro-seal
1,4L/1,5L/1,6L(D16A6-A7/Z1-Z2) Civic	77	0,85	338108R	D13B1-B2/D15B1-B2-B6-B7-B8	Athena
D13B/D15B/D16A6-A7/D16Z1-Z2	77	0,85	HN1017-033		JE Pro-seal
1,4L/1,5L/1,6L(D16A6-A7/Z1-Z2) Civic	78	0,85	338109R	D13B1-B2/D15B1-B2-B6-B7-B8	Athena
D13B/D15B/D16A6-A7/D16Z1-Z2	78	0,85	HN1018-033		JE Pro-seal
1,4L/1,5L/1,6L(D16A6-A7/Z1-Z2) Civic	79	0,85	338110R	D13B1-B2/D15B1-B2-B6-B7-B8	Athena
D13B/D15B/D16A6-A7/D16Z1-Z2	79	0,85	HN1019-033	M	JE Pro-seal
Civic 1,5L 16V VTEC '91-95	76	0,85	338112R	D15Z1/D16Y5/D16Y8	Athena
Civic 1,5L 16V VTEC '96-00	76	0,85	338113R	D15Z1/D16Y5/D16Y8	Athena
Civic 1,6L 16V VTEC 91-00	76	0,85	338114R	D15Z1/D16Y5/D16Y8	Athena
D15Z1/D16Y5-Y8	76	0,85	HN1020-033		JE Pro-seal
D15Z1/D16Y5-Y8	77	0,85	HN1021-033		JE Pro-seal
D15Z1/D16Y5-Y8	78	0,85	HN1022-033	M	JE Pro-seal
D16 A6/A7	76	0,76	C4118-030	SOHC	Cometic
D16 A1/A9	75,5	0,76	C4522-030	DOHC	Cometic
D16 A1/A9	76	0,76	C4524-030	DOHC	Cometic
D16 A1/A9	77	0,76	C4525-030	DOHC	Cometic
D16 A1/A9	78	0,76	C4526-030	DOHC	Cometic
D16Z6/D16Y5-6-7	78	0,76	W6085/C4167-030	SOHC	Wiseco/Cometic
D16Z6/D16Y5-6-7	76	0,76	W6170/C4195-030	SOHC	Wiseco/Cometic
D16Z6/D16Y5-6-7	79	0,76	W6603/C4197-030	SOHC	Wiseco/Cometic
D17	76	0,68	C4474-027		Cometic
F20B	86	0,68	C4634-027		Cometic
F20C1/C2 ,F22C1	87,5	0,76	C4625-030	S2000 16V TVTEC '99-03	Cometic
F20C1/C2 ,F22C1	88	0,76	C4626-030	S2000 16V TVTEC '99-03	Cometic
F20C1/C2 ,F22C1	88,5	0,76	C4627-030	S2000 16V TVTEC '99-03	Cometic
F20C1/C2 ,F22C1	89	0,76	W6598/C4335-030	S2000 16V TVTEC '99-03	Wiseco/Cometic
F20C1/C2 ,F22C1	89	0,85	HN1023-033	S2000 16V TVTEC '99-03	JE Pro-seal
F20C1/C2 ,F22C1	89	0,85	338124R	S2000 16V TVTEC '99-03	Athena
F22B1/B4/B5/B8	86	0,68	C4618-027		Cometic
F22B1/B4/B5/B8	87	0,68	C4619-027		Cometic
F22B1/B4/B5/B8	88	0,68	C4620-027		Cometic
F22B1/B4/B5/B8	89	0,68	C4621-027		Cometic
H22A1/A2	87	0,76	C4255-030		Cometic
H22A1/A2	88	0,76	W6088/C4198-030		Wiseco/Cometic
H22A1/A2	89	0,76	C4185-030		Cometic

Head Gaskets

Major Applications/Engine Code	Max Bore (mm)	Thickness (mm)	Part #	Notes	Brand
Honda					
H22A1/A2	90	0,76	W6412/(C4185-030 in 90MM)		Wiseco
H22A4	87	0,46	C4252-018		Cometic
H22A4/A7	88	0,76	C4253-030		Cometic
H23	87,5	1,02	C4553-040		Cometic
H23	88	1,02	C4554-040		Cometic
H23	89	1,02	C4555-040		Cometic
K20A1/A2/A3	86	0,76	W6600/C4300-030		Wiseco/Cometic
K20A1-A2-A3/K24A Civic/Integra/RSX 2,0L/2,4L	87	0,76	W6295/C4311-030		Wiseco/Cometic
K20A1-A2-A3/K24A Civic/Integra/RSX 2,0L/2,4L	87	0,85	338430R		Athena
K20A1-A2-A3/K24A Civic/Integra/RSX 2,0L/2,4L	88	0,76	C4312-030		Cometic
K20A1-A2-A3/K24A Civic/Integra/RSX 2,0L/2,4L	88,5	0,85	HN1024-033		JE Pro-seal
K20A1-A2-A3/K24A Civic/Integra/RSX 2,0L/2,4L	88,5	0,85	338411R		Athena
K20A1-A2-A3/K24A Civic/Integra/RSX 2,0L/2,4L	89	0,76	W6296/C4313-030		Wiseco/Cometic
K20A1-A2-A3/K24A Civic/Integra/RSX 2,0L/2,4L	89	0,81	C4596-032	MLx Gasket	Cometic
K20A1-A2-A3/K24A Civic/Integra/RSX 2,0L/2,4L	89,5	0,85	338468R		Athena
K20Z3	86	0,76	C4561-030		Cometic
K20Z3	87	0,76	C4562-030		Cometic
K24A	90	0,76	H1912SP1030S		Cometic
K24Z7	87	0,76	C4594-030		Cometic
K24Z7	89	0,76	C4595-030		Cometic
C30A1, C32B1	91	0,76	C4550-030	NSX 3,0/3,2L-Need 2	Cometic
C30A1, C32B1	93	0,76	C4551-030	NSX 3,0/3,2L-Need 2	Cometic
C30A1, C32B1	95	0,76	W6294/C4277-030	NSX 3,0/3,2L-Need 2	Wiseco/Cometic
Hyundai					
2,0L Genesis Coupe Theta 2 (4GKF)	88	0,81	C4953-032	MLx Gasket	Cometic
Lotus					
Twin Cam	85	1,02	C4133-040		Cometic
Mazda					
Miata 1,6L 16V	80	1,02	W6308/C4122-040	B6 engine code	Wiseco/Cometic
323/MX-5/Miata 1,8L 16V (BP)	84	1,02	C4568-040	BP engine code	Cometic
323/MX-5/Miata 1,8L 16V (BP)	84	1,02	C4983-040	01-05	Cometic
323/MX-5/Miata 1,8L 16V (BP)	84,5	1,40	330057R	'89-05	Athena
323/MX-5/Miata 1,8L 16V (BP)	85	1,02	C4569-040	BP engine code	Cometic
323/MX-5/Miata 1,8L 16V (BP)	85	1,02	C4984-040	01-05	Cometic
323/MX-5/Miata 1,8L 16V (BP)	85,3	1,00	338475R	'89-05	Athena
323/MX-5/Miata 1,8L 16V (BP)	85,5	1,02	H3115SP4040S	BP engine code	Cometic
Mazda/Ford 2,0L	84	0,91	W6337/C5844-036	FS-DE engine code	Wiseco/Cometic
Mazda/Ford 2,0L	84,5	0,69	C5845-027	FS-DE engine code	Cometic
3/5/6 MZR 2,0/2,3L(LF)	89	0,75	338477R	'01-15	Athena
3/5/6 MZR 2,0/2,3L(LF)	90	0,75	338478R	'01-15	Athena
3/5/6 Duratec 2,0/2,3L	89	1,20	330056R	'02-09	Athena
MZR/MZR DISI 2,3L	89	0,76	C4481-030		Cometic
MZR/MZR DISI 2,3L	89	0,71	C4970-028	MLx	Cometic
MZR DISI 2,5L	90	1,02	C5906-040		Cometic
3/6/CX-7 2,5L Duratec	91	0,70	338473R	'08-17	Athena
3/6/CX-7 2,5L Duratec	91	1,00	338474R	'08-17	Athena
Mercedes					
M102.983* / M102.990	97	2,03	H3311080C	Copper	Cometic
M102.983* / M102.990	97	1,50	H3311SP/3063CF	CFM with Copper insert rings	Cometic
*** 2,3L 16V needs extra oil hole**					
M120 6,0/7,0L	90	1,30	C4501-051(L)/C4500-051(R)	Left/Right	Cometic
M120 7,3L	91,5	1,30	C4504-051(L)/C4503-051(R)	Left/Right	Cometic
Mitsubishi					
4G63 EVO 1-3	85,5	1,30	C4233-051	1st gen '89-94	Cometic
4G63 EVO 1-3	86	1,30	C4234-051	1st gen '89-94	Cometic
4G63 EVO 1-3	86,5	1,25	338494R	'90-99	Athena
4G63 EVO 1-3	86,5	1,30	330058R	'90-99	Athena
4G63 EVO 1-3	87	1,30	W6091/C4235-051	1st gen '89-94	Wiseco/Cometic
4G63 EVO 1-3	87	1,27	C4957-050	1st gen '89-94 MLx Gasket	Cometic
4G63 EVO 4-8	85	1,30	C4157-051	2nd gen(Evo 4-8) '96-Up	Cometic
4G63 EVO 4-8	85,3	1,00	MI1000-039		JE Pro-seal
4G63 EVO 4-8	85,3	1,00	338024R	'96-UP	Athena
4G63 EVO 4-8	85,3	1,15	MI1000-045		JE Pro-seal

Head Gaskets

Major Applications/Engine Code	Max Bore (mm)	Thickness (mm)	Part #	Notes	Brand
Mitsubishi					
4G63 EVO 4-8	85,3	1,15	338020R	'96-UP	Athena
4G63 EVO 4-8	85,3	1,30	MI1000-051		JE Pro-seal
4G63 EVO 4-8	85,3	1,30	338016R	'96-UP	Athena
4G63 EVO 4-8	86	1,30	W6309/C4156-051	2nd gen(Evo 4-8) '96-Up	Wiseco/Cometic
4G63 EVO 4-8	86,3	1,00	MI1001-039		JE Pro-seal
4G63 EVO 4-8	86,3	1,00	338025R	'96-UP	Athena
4G63 EVO 4-8	86,3	1,15	MI1001-045		JE Pro-seal
4G63 EVO 4-8	86,3	1,15	338021R	'96-UP	Athena
4G63 EVO 4-8	86,3	1,30	MI1001-051		JE Pro-seal
4G63 EVO 4-8	86,3	1,30	338017R	'96-UP	Athena
4G63 EVO 4-8	86,3	1,30	330038R	'96-UP	Athena
4G63 EVO 4-8	87	1,30	C4591-051	2nd gen(Evo 4-8) '96-Up	Cometic
4G63 EVO 4-8	87	1,27	C4956-050	2nd gen(Evo 4-8) '96-Up MLx Gasket	Cometic
4G63 EVO 4-8	87,3	1,30	338018R	'96-UP	Athena
4G63 EVO 4-8	87,5	1,00	MI1002-039		JE Pro-seal
4G63 EVO 4-8	87,5	1,00	338026R	'96-UP	Athena
4G63 EVO 4-8	87,5	1,15	MI1002-045	M	JE Pro-seal
4G63 EVO 4-8	87,5	1,15	338022R	'96-UP	Athena
4G63 EVO 4-8	87,5	1,20	330042R	'96-UP	Athena
4G63 EVO 4-8	87,5	1,30	MI1002-051	M	JE Pro-seal
4G63 EVO 4-8	88,3	1,00	MI1003-039		JE Pro-seal
4G63 EVO 4-8	88,3	1,00	338027R	'96-UP	Athena
4G63 EVO 4-8	88,3	1,15	MI1003-045	M	JE Pro-seal
4G63 EVO 4-8	88,3	1,15	338023R	'96-UP	Athena
4G63 EVO 4-8	88,3	1,30	MI1003-051	M	JE Pro-seal
4G63 EVO 4-8	88,3	1,30	338019R	'96-UP	Athena
4G63 EVO 9	86,3	1,00	MI1004-039		JE Pro-seal
4G63 EVO 9	86,3	1,00	338421R	'05-07	Athena
4G63/4G64	88	1,30	W6038/C4213-051	Copper	Wiseco/Cometic
4B11T EVO 10	87,5	1,00	MI1005-039	'07-UP	JE Pro-seal
4B11T EVO 10	87,5	1,00	338422R	'07-UP	Athena
4B11T EVO 10	88	1,12	C4483-044	MLx Gasket	Cometic
4B11T EVO 10	90	1,12	C4484-044	MLx Gasket	Cometic
420A	87.5	1,02	C5497-040	non turbo Eclipse	Cometic
420A	88.5	1,02	C5498-040	non turbo Eclipse	Wiseco/Cometic
6G72/T	93,5	1,2	330071R	'93-UP	Athena
6G72/T	93	1,30	C4243-051	Need 2	Cometic
6G72/T	95	1,30	W6171/C4240-051	3000GT-Need 2	Wiseco/Cometic
Nissan					
E15/E15S/E15T SOHC	77,5	1,02	C4178-040		Cometic
SR16VE/SR20VE	87	1,02	C4600-040	No Extra Oil Holes	Cometic
SR16VE/SR20VE	88	1,02	C4601-040	No Extra Oil Holes	Cometic
SR16VE/SR20VE	90	1,30	H1794SP1051S	No Extra Oil Holes	Cometic
CA18 SOHC	85	1,30	W6581/C4479-051		Wiseco/Cometic
CA18DET DOHC	85	1,30	W6582/C4480-051	Bluebird/200SX/Sunny 1,8L 16V	Wiseco/Cometic
CA18DET DOHC	85	1,30	338135R	Bluebird/200SX/Sunny 1,8L 16V	Athena
FJ20E/ET	90	1,02	W6311/C4326-040		Wiseco/Cometic
FJ20E/ET	91	1,30	C4327-051		Cometic
RB20E/DE/DET	80	1,02	C4495-040		Cometic
SR20DE/SR20DET(S13)100NX/Primera/Serena 2,0L 16V	87	1,02	C4575-040	FWD/No Extra oil Holes(S13)	Cometic
SR20DE/SR20DET(S13)100NX/Primera/Serena 2,0L 16V	87,5	1,50	338415R	FWD/No Extra oil Holes(S13)	Athena
SR20DE/SR20DET(S13)100NX/Primera/Serena 2,0L 16V	88.5	0,76	W6172/C4130-030	FWD/No Extra oil Holes(S13)	Wiseco/Cometic
SR20DE/SR20DET(S13)100NX/Primera/Serena 2,0L 16V	88,5	0,85	338150R	FWD/No Extra oil Holes(S13)	Athena
SR20DE/SR20DET(S13)100NX/Primera/Serena 2,0L 16V	88,5	0,85	NI1001-033	FWD/No Extra oil Holes(S13)	JE Pro-seal
SR20DE/SR20DET(S13)100NX/Primera/Serena 2,0L 16V	87,5	1,00	338152R	1-extra oil hole (S13-RWD)	Athena
SR20DE/SR20DET(S13)100NX/Primera/Serena 2,0L 16V	87,5	1,00	NI1003-039	1-extra oil hole (S13-RWD)	JE Pro-seal
SR20DE/SR20DET(S13)100NX/Primera/Serena 2,0L 16V	87,5	1,02	C4324-040	1-extra oil hole (S13-RWD)	Cometic

Head Gaskets

Major Applications/Engine Code	Max Bore (mm)	Thickness (mm)	Part #	Notes	Brand
Nissan					
SR20DE/SR20DET(S13)100NX/Primera/Serena 2,0L 16V	88,5	1,00	NI1002-039	1-extra oil hole (S13-RWD)	JE Pro-seal
SR20DE/SR20DET(S14)100NX/Primera/Serena 2,0L 16V	87	1,27	C4950-050	MLx Gasket- 2 extra oil holes,S14	Cometic
SR20DE/SR20DET(S14)100NX/Primera/Serena 2,0L 16V	87,5	1,02	C4576-040	2-extra oil holes (S14-RWD+S15)	Cometic
SR20DE/SR20DET(S14)100NX/Primera/Serena 2,0L 16V	88	1,27	C4951-050	MLx Gasket- 2 extra oil holes,S14	Cometic
SR20DE/SR20DET(S14)100NX/Primera/Serena 2,0L 16V	88,5	1,00	338151R	2-extra oil holes (S14-RWD+S15)	Athena
SR20DE/SR20DET(S14)100NX/Primera/Serena 2,0L 16V	88,5	1,02	C4283-040	2-extra oil holes (S14-RWD+S15)	Cometic
SR20DE/DET(RNN14)	87,5	1,02	C4543-040	GTiR Turbo-AWD	Cometic
SR20DE/DET(RNN14)	88	1,02	C4577-040	GTiR Turbo-AWD	Cometic
KA24DE	90	1,02	W6310/C4285-040		Wiseco/Cometic
KA24DE	91	1,02	C4286-040		Cometic
L24/L26	85	0,91	C4579-036		Cometic
L24/L26	85	1,78	C4579-070		Cometic
RB25DET	86	1,30	C4317-051		Cometic
RB25DET	87	1,30	W6800/C4318-051		Wiseco/Cometic
RB25DET	87	1,30	338144R	Skyline/GTR/Patrol 2,5L/2,6L 24V	Athena
RB25DET	87	1,50	338414R	Skyline/GTR/Patrol 2,5L/2,6L 24V	Athena
RB26DETT	86	1,30	C4319-051		Cometic
RB26DETT	87	1,30	C4320-051		Cometic
RB26DETT	87,5	1,20	338146R	Skyline/GTR/Patrol 2,5L/2,6L 24V	Athena
RB26DE/DETT	87,5	1,20	NI1000-047	M	JE Pro-seal
RB26DE/DETT	87,5	1,50	NI1000-059		JE Pro-seal
RB26DETT	87,5	1,50	338315R	Skyline/GTR/Patrol 2,5L/2,6L 24V	Athena
RB26DETT	88	1,20	338146FR	Skyline/GTR/Patrol 2,5L/2,6L 24V	Athena
RB26DETT	88	1,20	338146FR	Skyline/GTR/Patrol 2,5L/2,6L 24V	Athena
RB26DETT	88	1,30	C4321-051		Cometic
QR25DE	90	1,02	C4615-040	FWD '02-06	Cometic
QR25DE	90	1,02	C4614-040	FWD '07-13	Cometic
QR25DE	90	1,02	C4616-040	RWD '05-12	Cometic
RB30DE/DET	86	1,30	C4322-051		Cometic
RB30DE/DET	87	1,30	C4323-051		Cometic
VG30E/ET	88	1,14	H3265SP2045S		Cometic
VG30DE/DET/DETT	88	1,14	W6312/C4346-045	Need 2	Wiseco/Cometic
VG30DE/DET/DETT	90	1,14	C4347-045	Need 2	Cometic
VQ30DE/VQ35DE	96	0,76	W6422/C4345-030	Right	Wiseco/Cometic
VQ30DE/VQ35DE	96	0,76	W6423/C4361-030	Left	Wiseco/Cometic
VQ35HR/VQ37VHR(Gen 3)	97	0,76	C4593-030(L)/C4592-030(R)	Left/Right	Cometic
VQ37VHR	97	1,9	C4593-075	Left	Cometic
VQ37VHR	97	1,9	C4592-075	Right	Cometic
VR38DETT GTR 3,8L V6	100	0,81	C4572-032(L)/C4573-032(R)	Left/Right-MLx	Cometic
VR38DETT GTR 3,8L V6	100,5	0,94	NI1004-037	Left	JE Pro-seal
VR38DETT GTR 3,8L V6	100,5	0,94	NI1005-037	Right	JE Pro-seal
VR38DETT GTR 3,8L V6	100,5	0,95	338406R	Right	Athena
VR38DETT GTR 3,8L V6	100,5	0,95	338407R	Left	Athena
VR38DETT GTR 3,8L V6	100,5	1,00	330068R	Right	Athena
VR38DETT GTR 3,8L V6	100,5	1,00	330067R	Left	Athena
VK45DE/Q45	93,5	0,91	C4486-036(L)/C4485-036(R)	Left/Right	Cometic
TB48DE	100,5	0,76	C4511-030		Cometic
TB48DE	100,5	0,80	338435R	Patrol Y61 4,8L '01-09	Athena
TB48DE	100,5	1,02	C4599-040	MLx Gasket	Cometic
TB48DE	100,5	1,60	338436R	Patrol Y61 4,8L '01-09	Athena
TB48DE	100,5	1,95	338437R	Patrol Y61 4,8L '01-09	Athena
TB48DE	101,7	1,60	338438R	Patrol Y61 4,8L '01-09	Athena
TB48DE	101,7	1,95	338439R	Patrol Y61 4,8L '01-09	Athena
TB48DE	102,5	1,20	NI1006-047		JE Pro-seal
TB48DE	102,5	1,20	338426R	Patrol Y61 4,8L '01-09	Athena

▲TOP

GASKETS

Head Gaskets

Major Applications/Engine Code	Max Bore (mm)	Thickness (mm)	Part #	Notes	Brand
Nissan					
VK56DE	100	1,02	C4922-040(L)/C4922-040(R)	Left/Right- MLS	Cometic
VK56DE	102,7	1,02	C4610-040(L)/C4609-040(R)	Left/Right- 2013+ -MLx Gasket	Cometic
Opel/Vauxhall					
C16NZ/C16N2/C16SE 8V	80	1,30	H1568SP5051S		Cometic
C16NZ/C16N2/C16SE 8V	80	1,78	H1568SP5070S		Cometic
X16XE/C16XE/X16EI/Y16XE/Z16XE 16V	79	1,30	H1568SP2051S		Cometic
X16XE/C16XE/X16EI/Y16XE/Z16XE 16V	80	1,30	H1568SP1051S		Cometic
X16XE/C16XE/X16EI/Y16XE/Z16XE 16V	82	1,30	C4257-051		Cometic
Z16LET/LER/XER +1,8L Z18LET/LER(1,6L 16V)	80	1,00	OP1002-039		JE Pro-seal
Z16LET/LER/XER +1,8L Z18LET/LER(1,6L 16V)	80	1,00	338286R		Athena
CIH 1,9L 8V 19N(Ascona B/Manta B)	97	1,50	338340R	'76-81	Athena
ECOTEC 2,0L LNF A20NHT/LDK/Z20NHH	88	0,81	C15256-032	MLx Gasket '08-10	Cometic
ECOTEC 2,0L LTG B20NHT	88	0,71	C4964-028	MLx Gasket '13-17	Cometic
ECOTEC 2,0L LTG B20NHT	88	1,02	C4964-040	MLx Gasket '13-17	Cometic
ECOTEC 2,0L LSJ	87	0,69	C5921-027		Cometic
ECOTEC 2,0L LSJ	87	1,02	C5032-040	MLx Gasket	Cometic
C20XE/C20LET Astra/Calibra/Kadett 2,0L 16V	87,5	1,30	OP1004-051		JE Pro-seal
C20XE/C20LET Astra/Calibra/Kadett 2,0L 16V	87,5	1,30	338317R		Athena
C20XE/C20LET Astra/Calibra/Kadett 2,0L 16V	87,5	1,90	338318R		Athena
C20XE/C20LET Astra/Calibra/Kadett 2,0L 16V	88	1,27	C4960-050	MLx Gasket	Cometic
C20XE/C20LET Astra/Calibra/Kadett 2,0L 16V	88	1,30	W6424/C4216-051		Wiseco/Cometic
C20XE/C20LET Astra/Calibra/Kadett 2,0L 16V	88	1,67	W6623/C4216-066		Wiseco/Cometic
C20XE/C20LET Astra/Calibra/Kadett 2,0L 16V	88	1,90	W6453/C4216-075		Wiseco/Cometic
C20XE/C20LET Astra/Calibra/Kadett 2,0L 16V	88,5	1,30	338316R		Athena
X20XEV/X20XER Astra/Calibra/Vectra 2,0L 16V	87,5	1,00	338062R	'95-00	Athena
X20XEV/X20XER Astra/Calibra/Vectra 2,0L 16V	87,5	1,00	OP1000-039		JE Pro-seal
X20XEV/X20XER Astra/Calibra/Vectra 2,0L 16V	87,5	1,15	338060R	'95-00	Athena
X20XEV/X20XER Astra/Calibra/Vectra 2,0L 16V	87,5	1,15	OP1000-045	M	JE Pro-seal
X20XEV/X20XER Astra/Calibra/Vectra 2,0L 16V	87,5	1,30	338058R	'95-00	Athena
X20XEV/X20XER Astra/Calibra/Vectra 2,0L 16V	87,5	1,30	OP1000-051	M	JE Pro-seal
X20XEV/X20XER Astra/Calibra/Vectra 2,0L 16V	87,5	1,90	338260R	'95-00	Athena
X20XEV/X20XER Astra/Calibra/Vectra 2,0L 16V	87,5	1,90	OP1000-075	M	JE Pro-seal
X20XEV/X20XER Astra/Calibra/Vectra 2,0L 16V	88	1,30	338459R	'95-00	Athena
X20XEV/X20XER Astra/Calibra/Vectra 2,0L 16V	88,5	1,15	338061R	'95-00	Athena
X20XEV/X20XER Astra/Calibra/Vectra 2,0L 16V	88,5	1,15	OP1001-045		JE Pro-seal
X20XEV/X20XER Astra/Calibra/Vectra 2,0L 16V	88,5	1,30	338059R	'95-00	Athena
X20XEV/X20XER Astra/Calibra/Vectra 2,0L 16V	88,5	1,30	OP1001-051	M	JE Pro-seal
Z20LET	88	1,02	H2795040S		Cometic
Z20LET	88	1,30	H2795051S		Cometic
Z20LET	88	1,90	H2795075S		Cometic
ECOTEC 2,2L L61	87	1,02	W6307/C5768-040		Cometic
ECOTEC 2,2L L61	89	1,02	C5804-040		Cometic
CIH/E/S/SE 2,0/2,4L CIH C24NE 8V	96	1,68	H1793SP3066S		Cometic
CIH/E/S/SE 2,0/2,4L CIH C24NE 8V	97	1,30	OP1003-051	M	JE Pro-seal
CIH/E/S/SE 2,0/2,4L CIH C24NE 8V	97	1,30	338239R	Ascona/Kadett/Manta '77-88	Athena
CIH/E/S/SE 2,0/2,4L CIH C24NE 8V	97	1,80	338464R	Ascona/Kadett/Manta '77-88	Athena
CIH/E/S/SE 2,0/2,4L CIH C24NE 8V	97	1,30	W6624/C4512-051		Wiseco/Cometic
CIH/E/S/SE 2,0/2,4L CIH C24NE 8V	97,5	1,02	H1793SP6040S		Cometic
CIH/E/S/SE 2,0/2,4L CIH C24NE 8V	97,5	1,52	H1793SP6060S		Cometic
CIH/E/S/SE 2,0/2,4L CIH C24NE 8V	97,5	1,68	H1793SP6066S		Cometic
CIH/E/S/SE 2,0/2,4L CIH C24NE 8V	97,5	1,78	H1793SP6070S		Cometic
CIH/E/S/SE 2,0/2,4L CIH C24NE 8V	97,5	1,90	H1793SP6075S		Cometic
CIH/E/S/SE 2,0/2,4L CIH C24NE 8V	97,5	2,49	H1793SP6098S		Cometic
CIH/E/S/SE 2,0/2,4L CIH C24NE 8V	98	0,76 until 1,30	H1793SP2030S/ H1793SP2051S		Cometic
CIH/E/S/SE 2,0/2,4L CIH C24NE 8V	98	1,50	338298R	Ascona/Kadett/Manta '77-88	Athena
CIH/E/S/SE 2,0/2,4L CIH C24NE 8V	98	1,52	H1793SP2060S		Cometic
CIH/E/S/SE 2,0/2,4L CIH C24NE 8V	98	1,78	H1793SP2070S		Cometic
CIH/E/S/SE 2,0/2,4L CIH C24NE 8V	98	2,03	H1793SP2080S		Cometic
2,4L LD9	91,31	1,30	C5298-051	'96-99 w EGR	Cometic
2,4L LD9	91,31	1,30	C5866-051	'99-01 w/o EGR	Cometic
Porsche					
924	88	1,27	C4542-050		Cometic
944(2,5L)	100,5	1,02	C4272-040		Cometic

Head Gaskets

Major Applications/Engine Code	Max Bore (mm)	Thickness (mm)	Part #	Notes	Brand
Porsche					
944(2,5L)	103	1,02	C4273-040		Cometic
944(2,7/3,0L)	106	1,02	C4274-040		Cometic
3,0L 968	105	1,60	330043R	M44.43/M44.44 - '91-95	Athena
996 3,6L Twin turbo '01-04	102	1,02	C4492-040		Cometic
997 3,6L Twin turbo 06-08	102	0,82	C4926-032	MLx Gasket	Cometic
4,5L(V8)	95	0,69	C4537-027(L)/C4536-027(R)	Left/Right	Cometic
928(4,7L/5,0L)	100	1,14	C5780-045(L)/C5781-045(R)	Left/Right	Cometic
928(4,7L/5,0L)	104	1,14	C5783-045(L)/C5782-045(R)	Left/Right	Cometic
P.S.A. (Peugeot/Citroën)					
Tritec 1,6L	78,5	0,69	C4308-027		Cometic
1,6L 16V Prince(EP6)	78	0,91	C4617-036	MLx Gasket	Cometic
1,4/1,6L 16V(5FK/8FN/EP3/EP6) C3/DS3/207/308	78,5	0,90	338476R	'07-UP	Athena
TU5JP4/TU5J4 1,6L 16V	79	1,30	C4493-051		Cometic
TU5JP4/TU5J4 1,6L 16V	79	1,52	C4493-060		Cometic
TU5JP4/TU5J4 1,6L 16V	80	0,76	H2514SP1030S		Cometic
TU5JP4/TU5J4 1,6L 16V	80	1,00	PG1000-039	M	JE Pro-seal
TU5JP4/TU5J4 1,6L 16V	80	1,00	338008R	'93-03	Athena
TU5JP4/TU5J4 1,6L 16V	80	1,30	338010R	'93-03	Athena
TU5JP4/TU5J4 1,6L 16V	80	1,30	PG1000-051	M	JE Pro-seal
TU5JP4/TU5J4 1,6L 16V	80,5	1,00	330006R	'93-03	Athena
TU5JP4/TU5J4 1,6L 16V	80,5	1,40	330007R	'93-03	Athena
XU9J4/J4Z 1,9L 16V	84	1,30	C4225-051		Cometic
XU9J4/J4Z 1,9L 16V	84	1,30	338399R		Athena
XU9J4/J4Z 1,9L 16V	84	1,60	338400R		Athena
XU9J4/J4Z 1,9L 16V	85	1,30	C4226-051		Cometic
EW10J4/S/L4/4S 2,0L 16V	86	1,00	338265R		Athena
EW10J4/S/L4/4S 2,0L 16V	86	1,30	338266R		Athena
XU10J2/J4 2,0L 16V	86,5	1,30	C4227-051		Cometic
XU10J4/DZ 2,0L 16V	87	1,30	338263R		Athena
XU10J4/DZ 2,0L 16V	87	1,60	338264R		Athena
XU10J2/J4 2,0L 16V	88	1,30	C4228-051		Cometic
XU10J4RS	86,5	1,30	C4520-051		Cometic
XU10J4RS	88	1,30	C4521-051		Cometic
Renault					
R5 Turbo 1,4L 8V	77	1,80	RN1004-071	M	JE Pro-seal
R5 Turbo 1,4L 8V	77	1,80	330005R	'81-85	Athena
R5 Turbo 1,4L 8V	77	1,80	338249R	'81-85	Athena
R5 Turbo 1,4L 8V	77,5	1,80	330009R	'81-85	Athena
R5 Turbo 1,4L 8V	78	1,80	RN1006-071	M	JE Pro-seal
R5 Turbo 1,4L 8V	78	1,80	338250R	'81-85	Athena
F4P/F4R 1,8/2,0L 16V	83	0,85	338245R	Laguna/Megane '99-03	Athena
F4P/F4R 1,8/2,0L 16V	83	0,76	C4518-030	1,8/2,0 liter	Cometic
F4P/F4R 1,8/2,0L 16V	83	0,85	RN1000-033	M	JE Pro-seal
F4P/F4R 1,8/2,0L 16V	84,5	0,76	C4519-030	1,8/2,0 liter	Cometic
F4P/F4R 1,8/2,0L 16V	84,5	0,85	RN1001-033	M	JE Pro-seal
F4P/F4R 1,8/2,0L 16V	84,5	0,85	338246R	Laguna/Megane '99-03	Athena
F4P/F4R 1,8/2,0L 16V	84,5	1,00	338375R	Laguna/Megane '99-03	Athena
F4P/F4R 1,8/2,0L 16V	84,5	1,30	338376R	Laguna/Megane '99-03	Athena
F4P/F4R 1,8/2,0L 16V	84,5	1,60	338256R	Laguna/Megane '99-03	Athena
F4P/F4R 1,8/2,0L 16V	84,5	1,60	RN1001-063	M	JE Pro-seal
F7P/F7R 1,8/2,0L 16V	83	1,30	C4539-051	1,8/2,0 liter	Cometic
F7P/F7R 1,8/2,0L 16V	83	1,30	338247R	Clio R19 '91-96	Athena
F7P/F7R 1,8/2,0L 16V	83	1,30	RN1002-051	M	JE Pro-seal
F7P/F7R 1,8/2,0L 16V	84	1,30	RN1003-051	M	JE Pro-seal
F7P/F7R 1,8/2,0L 16V	84	1,30	338248R	Clio R19 '91-96	Athena
F7P/F7R 1,8/2,0L 16V	84	1,30	C4540-051	1,8/2,0 liter	Cometic
Saab					
9-5 1,6L 16V (A16LER/Z16LER/Z18LET)	80	1,00	338286R	'10-UP	Athena
9-2X EJ20GN DOHC 2,0L 16V	93,5	1,04	C4590-041	Need 2 - MLx Gasket	Cometic
B204/B234	91	0,76	C4974-030	900, 9-3, 9-5 '95-99	Cometic
B205/B235	91	0,76	C4973-030	9,3, 9,5 '99-09	Cometic
Subaru					**JE Pro-seal**
EJ20EN SOHC	93	1,02	C4260-040	JDM-Need 2	Cometic
EJ20GN/EJ205 DOHC	93	1,30	W6174/C4261-051	Need 2	Wiseco/Cometic

▲TOP

GASKETS

Head Gaskets

Major Applications/Engine Code	Max Bore (mm)	Thickness (mm)	Part #	Notes	Brand
Subaru					**JE Pro-seal**
EJ20GN/EJ205 DOHC	93,5	1,04	C4590-041	Need 2 - MLx Gasket	Cometic
EJ20/EJ20E/EJ20J 2,0L 16V	93,5	1,20	330041R	Impreza/Legacy '92-00	Athena
EJ20/EJ20E/EJ20J 2,0L 16V	94	0,90	338460R	Impreza/Legacy '92-00	Athena
EJ20/EJ20E/EJ20J 2,0L 16V	94	1,00	338002R	Impreza/Legacy '92-00	Athena
EJ20/EJ20E/EJ20J 2,0L 16V	94	1,00	SB1000-039	Impreza/Legacy '92-00	JE Pro-seal
EJ20/EJ20E/EJ20J 2,0L 16V	94	1,30	338001R	Impreza/Legacy '92-00	Athena
EJ20/EJ20E/EJ20J 2,0L 16V	94	1,30	SB1000-051	Impreza/Legacy '92-00	JE Pro-seal
FA20 2,0L 16V	89,5	0,81	C4589-032(L)/C4588-032(R)	MLx Gasket - Left/Right '12-UP BRZ	Cometic
FA20DIT 2,0L 16V	89,5	0,80	338490(L)/338489(R)		Athena
FA20DIT 2,0L 16V	89,5	0,81	C4954-032(L)/C4955-032(R)	MLx Gasket - Left/Right '15-UP WRX	Cometic
FA20DIT 2,0L 16V	89,5	0,95	338492(L)/338491(R)		Athena
EJ22E SOHC 2,2L 16V	98	1,02	C4262-040	Need 2	Cometic
EJ22E SOHC 2,2L 16V	100	1,02	C4985-040		Cometic
EJ22ET SOHC 2,2L 16V	98	1,02	W6432/C4263-040	Need 2	Wiseco/Cometic
EJ22ET SOHC 2,2L 16V	98	1,30	W6319/C4263-051	Need 2	Wiseco/Cometic
EJ22/25 Hybrid	101	1,04	C4986-041	MLx	Cometic
EJ251/EJ253 SOHC /EJ25D/EJ255/EJ257 DOHC 2,5L 16V	100	1,02	W6320/C4264-040	Need 2	Wiseco/Cometic
EJ251/EJ253 SOHC /EJ25D/EJ255/EJ257 DOHC 2,5L 16V	101	0,82	C4578-032	Need 2-MLx Gasket-prefered choise	Cometic
EJ251/EJ253 SOHC /EJ25D/EJ255/EJ257 DOHC 2,5L 16V	101	1,02	H1631SP6040SN	Need 2	Cometic
EJ253 SOHC/EJ255 DOHC 2,5L 16V	101	0,82	C4622-032	Need 2-MLx -Improved Cooling	Cometic
EJ25/EJ251/EJ253/EJ255/EL257 2,5L 16V	95	1,20	330080R	'98-UP / 14,6mm Head bolt holes	Athena
EJ25/EJ251/EJ253/EJ255/EL257 2,5L 16V	99	1,20	330079R	'98-UP / 14,6mm Head bolt holes	Athena
EJ25/EJ251/EJ253/EJ255/EL257 2,5L 16V	100	1,00	SB1001-039	Impreza/Legacy '98-UP	JE Pro-seal
EJ25/EJ251/EJ253/EJ255/EL257 2,5L 16V	100	1,00	338235R	Impreza/Legacy '98-UP	Athena
EJ25/EJ251/EJ253/EJ255/EL257 2,5L 16V	100	1,00	338448R	'98-UP / 14,6mm Head bolt holes	Athena
EJ25/EJ251/EJ253/EJ255/EL257 2,5L 16V	100	1,20	330040R	'98-UP	Athena
EJ25/EJ251/EJ253/EJ255/EL257 2,5L 16V	100	1,20	330076R	'98-UP / 14,6mm Head bolt holes	Athena
EJ25/EJ251/EJ253/EJ255/EL257 2,5L 16V	100	1,30	SB1001-051	'98-UP	JE Pro-seal
EJ25/EJ251/EJ253/EJ255/EL257 2,5L 16V	100	1,30	338255R	'98-UP	Athena
EJ25/EJ251/EJ253/EJ255/EL257 2,5L 16V	100	1,90	338325R	'98-UP	Athena
EJ255/EJ257 DOHC 2,5L 16V	101	0,76	C4574-030	Need 2	Cometic
EJ255/EJ257 DOHC 2,5L 16V	101	0,82	C4587-032	Need 2-MLx Gasket-prefered choise	Cometic
EJ25/EJ251/EJ253/EJ255/EL257 2,5L 16V	101	0,95	338455R	'98-UP	Athena
EJ25/EJ251/EJ253/EJ255/EL257 2,5L 16V	101,3	1,00	338465R	'98-UP	Athena
EJ25/EJ251/EJ253/EJ255/EL257 2,5L 16V	101,3	1,20	330066R	'98-UP	Athena
EJ25/EJ251/EJ253/EJ255/EL257 2,5L 16V	101,3	1,20	330078R	'98-UP / 14,6mm Head bolt holes	Athena
EJ25/EJ251/EJ253/EJ255/EL257 2,5L 16V	102,3	1,00	338372R	'98-UP	Athena
EJ25/EJ251/EJ253/EJ255/EL257 2,5L 16V	102,3	1,00	SB1002-039	'98-UP	JE Pro-seal
EJ25/EJ251/EJ253/EJ255/EL257 2,5L 16V	102,3	1,30	SB1002-051	'98-UP	JE Pro-seal
/EJ255/EL257EJ25DET 2,5L 16V	101,3	1,20	330081R	'06-17 / 14,6mm Head bolt holes	Athena
EZ30 3,0L 24V	90	1,02	C5861-040(L)/C5860-040(R)	Left/Right	Cometic
EZ30D 3,0L V2	90	1,02	C4623-040(L)/C4624-040(R)	Left/Right	Cometic
EG33 3,3L 24V	98	1,67	C4340-066		Cometic
EG33 3,3L 24V	100	1,67	C4341-066		Cometic
EG33 3,3L 24V	102	1,67	C4342-066		Cometic
Suzuki					**Cometic**
G13B/K	74	1,10	H1968SP4043F	CFM	Cometic
G13B/K	74	1,50	H1968SP4059F	CFM	Cometic
G13B/K	75	1,10	H1968SP5043F	CFM	Cometic
G13B/K	75	1,50	H1968SP5059F	CFM	Cometic
G13B/K	75	0,70	H1968SP3027C	Copper	Cometic
G13B/K	75	0,80	H1968SP3032C	Copper	Cometic
G13B/K	75	1,10	H1968SP3043C	Copper	Cometic
G13B/K	75	1,25	H1968SP3050C	Copper	Cometic
G13B/K	75	2,00	H1968SP3080C	Copper	Cometic
G13B/K +G16B	76	1,10	H1968SP2043F	CFM	Cometic

GASKETS

Head Gaskets

Major Applications/Engine Code	Max Bore (mm)	Thickness (mm)	Part #	Notes	Brand
Suzuki					**Cometic**
G13B/K +G16B	76	1,50	H1968SP2059F	CFM	Cometic
G13B/K +G16B	76	1,10	H1968SP1043C	Copper	Cometic
G13B/K +G16B	76	1,25	H1968SP1050C	Copper	Cometic
G13B/K +G16B	78	1,10	H1968SP6043F	CFM	Cometic
G13B/K +G16B	78	1,50	H1968SP6059F	CFM	Cometic
G13B/K +G16B	80	1,10	H1968SPA043F	CFM	Cometic
M16A	78	0,76	H3163SP2030S	MLs Gasket	Cometic
M16A	78	1,00	H3163SP2040S	MLs Gasket	Cometic
M16A	78	1,30	H3163SP2051S	MLs Gasket	Cometic
M16A	79,5	0,76	H3163SPA030S	MLs Gasket	Cometic
M16A	81	0,76	H3163SP3030S	MLs Gasket	Cometic
M16A	81	1,00	H3163SP3040S	MLs Gasket	Cometic
M16A	81	1,30	H3163SP3051S	MLs Gasket	Cometic
M16A	83	0,76	H3163SP9030S	MLs Gasket	Cometic
M16A	85	0,76	H3163SP1030S	MLs Gasket	Cometic
M16A	85	1,00	H3163SP1040S	MLs Gasket	Cometic
M16A	85	1,30	H3163SP1051S	MLs Gasket	Cometic
M16A	86	0,76	H3163SP4030S	MLs Gasket	Cometic
Toyota/Lexus					
1JZ-GE/GTE	87	1,30	H2956SP1051S		Cometic
1FZ-FE	101,5	0,80	338440R		Athena
1FZ-FE	101,5	1,35	C4530-053		Cometic
1FZ-FE	101,5	1,60	338441R		Athena
1FZ-FE	101,5	1,95	338442R		Athena
1FZ-FE	101,5	1,02	C4611-040	MLx Gasket	Cometic
1FZ-FE	103	1,15	338423R	Landcruiser 4,5L 24V '92-97	Athena
1FZ-FE	103	1,20	TY1005-047		JE Pro-seal
1FZ-FE	103	1,60	338443R		Athena
1FZ-FE	103	1,95	338444R		Athena
1UZ-FE	92,5	1,30	C4137-051(L)/C4136-051(R)	V8	Cometic
1ZZ-FE	80	0,69	C4496-027		Cometic
1ZZ-FE	82	0,69	W6601/C4497-027		Wiseco/Cometic
20R/22R	92	1,02	C4268-040		Cometic
22R/22RE	95	0,76	W6176/C4269-030		Wiseco/Cometic
2AZ-FE	89	0,69	C4507-027		Cometic
2T/2TC/3T/3TC	87	1,02	C4258-040		Cometic
2T/2TC/3T/3TC	89	1,02	W6175/C4176-040		Wiseco/Cometic
2JZ-GE/2JZ-GTE	87	1,30	W6326/C4276-051	1993+Supra	Wiseco/Cometic
2JZ-GE/2JZ-GTE	87	1,50	TY1006-059		JE Pro-seal
2JZ-GE/2JZ-GTE	87	1,50	338416R	Supra 3,0L 24V '93-UP	Athena
2JZ-GE/2JZ-GTE	87	1,60	330044R	Supra 3,0L 24V '93-UP	Athena
2JZ-GE/2JZ-GTE	87,7	1,30	TY1004-051	Supra 3,0L 24V '93-UP	JE Pro-seal
2JZ-GE/2JZ-GTE	87,7	1,30	338204R	Supra 3,0L 24V '93-UP	Athena
2RZ-FE/3RZ-FE	96	1,02	C4598-040		Cometic
2RZ-FE/3RZ-FE	97	1,02	C4245-040		Cometic
2UZ-FE	92	1,02	C4358-040(L)/C4357-040(R)	V8	Cometic
2ZZ-GE	82,5	0,71	C4962-028	MLx Gasket	Cometic
3E/4E-FTE/5E-FE	75	1,02	C4602-040		Cometic
3E/4E-FTE/5E-FE	75,5	0,85	338374R	Corolla 1,3L/1,5L 16V '92-97	Athena
3E/4E-FTE/5E-FE	75,5	1,20	TY1003-047	Corolla 1,3L/1,5L 16V '92-97	JE Pro-seal
3E/4E-FTE/5E-FE	75,5	1,20	338007R	Corolla 1,3L/1,5L 16V '92-97	Athena
3E/4E-FTE/5E-FE	75,5	1,40	TY1003-055	Corolla 1,3L/1,5L 16V '92-97	JE Pro-seal
3E/4E-FTE/5E-FE	75,5	1,40	338011R	Corolla 1,3L/1,5L 16V '92-97	Athena
3E/4E-FTE/5E-FE	75,5	1,90	TY1003-075	Corolla 1,3L/1,5L 16V '92-97	JE Pro-seal
3E/4E-FTE/5E-FE	75,5	1,90	338259R	Corolla 1,3L/1,5L 16V '92-97	Athena
3E/4E-FTE/5E-FE	76	1,02	C4603-040		Cometic
3S-GE/3S-GTE	87	1,00	TY1000-039	Celica MR2 2,0L 16V '89-97	JE Pro-seal
3S-GE/3S-GTE	87	1,00	338212R	Celica MR2 2,0L 16V '89-97	Athena
3S-GE/3S-GTE	87	1,02	W6328/C4314-040	Gen 2 '89-94(ST185)	Wiseco/Cometic
3S-GE/3S-GTE	87	1,02	C4606-040	Gen 3 '94-99(ST205)	Cometic
3S-GE/3S-GTE	87	1,20	TY1000-047	Celica MR2 2,0L 16V '89-97	JE Pro-seal
3S-GE/3S-GTE	87	1,20	338257R	Celica MR2 2,0L 16V '89-97	Athena
3S-GE/3S-GTE	87	1,30	338326R	Celica MR2 2,0L 16V '89-97	Athena
3S-GE/3S-GTE	87	1,40	TY1000-055	Celica MR2 2,0L 16V '89-97	JE Pro-seal

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GASKETS

Head Gaskets

Major Applications/Engine Code	Max Bore (mm)	Thickness (mm)	Part #	Notes	Brand
Toyota/Lexus					
3S-GE/3S-GTE	87	1,40	338258R	Celica MR2 2,0L 16V '89-97	Athena
4A-GE/4A-GEC/4A-GELC 16V	81	1,00	TY1001-039	1,6L 16V	JE Pro-seal
4A-GE/4A-GEC/4A-GELC 16V	81	1,02	C4170-040	1,6L 16V	Cometic
4A-GE/4A-GEC/4A-GELC 16V	81	1,00	338213R	Corolla 1,6L 16V '84-92	Athena
4A-GE/4A-GEC/4A-GELC 16V	83	1,00	338214R	Corolla 1,6L 16V '84-92	Athena
4A-GE/4A-GEC/4A-GELC 16V	83	1,00	TY1002-039	Corolla 1,6L 16V '84-92	JE Pro-seal
4A-GE/4A-GEC/4A-GELC 16V	83	1,02	W6092/C4166-040	1,6L 16V	Wiseco/Cometic
4A-GE/4A-GEC/4A-GELC 16V	83	1,30	338323R	Corolla 1,6L 16V '84-92	Athena
4A-GE/4A-GEC/4A-GELC 16V	83	1,90	338324R	Corolla 1,6L 16V '84-92	Athena
4A-GE(20V)	81	1,02	C4604-040	1,6L 20V	Cometic
4A-GE(20V)	83	1,02	C4605-040	1,6L 20V	Cometic
4U-GSE	89,5	0,81	C4589-032(L)/C4588-032(R)	Need 2-MLx Gasket	Cometic
5S-FE	88	1,02	W6329/C4315-040		Wiseco/Cometic
7M-GE/7M-GTE	84	1,30	W6327/C4278-051	'86-92 Supra	Wiseco/Cometic
7M-GE/7M-GTE	86	1,30	C4275-051	'86-92 Supra	Cometic
Triumph					
1,5L Spitfire '66-74	74	1,10	C4153-043	Copper	Cometic
2,2L TR4 pushrod '61-65	88	1,10	C4152-043	CFM-20	Cometic
2,5L TR6 Pushrod '69-71	76	1,10	C4154-043	Copper	Cometic
TVR					
AJP-6	96,5	1,52	C4527-060	Speed 6 3,6/4,0L	Cometic
AJP-8	88	1,10	H2789043F(R)/H279043F(L)	Right/Left + CFM	Cometic
AJP-8	88	1,50	H2789059F(R)/H279059F(L)	Right/Left + CFM	Cometic
AJP-8	91	1,10	H2789SP1043F(R)/ H2790SP1043F(L)	Right/Left + CFM	Cometic
AJP-8	91	1,50	H2789SP1059F(R)/ H2790SP1059F(L)	Right/Left + CFM	Cometic
VAG (Audi/VW/Skoda/Seat)					
1,4/1,6L 16V Golf V/Polo 6R,6C/Scirocco/A1/A3	77,8	1,00	338433R	BLG//CAXA/CDDA/CDE/CDEA/ CGDA/CMSB/CTHD/CTKA/ CAXC/CMSA/CNVA	Athena
1,4L 16V EA211	77	0,81	C4980-032	EA211 '07-UP	Cometic
1,6L/1,8L 8V	81	1,40	338419R	ADA/ADZ/ABS/AAM/DZ/DS/JN/ JV/DX/JJ/EX/RH/HV/GX/GU/PL/ KR/AAM/ACC	Athena
1,6L/1,8L 8V	81	1,75	338461R	ADA/ADZ/ABS/AAM/DZ/DS/JN/ JV/DX/JJ/EX/RH/HV/GX/GU/PL/ KR/AAM/ACC	Athena
1,6L/1,8L 8V	83	1,40	338003R	ADA/ADZ/ABS/AAM/DZ/DS/JN/ JV/DX/JJ/EX/RH/HV/GX/GU/PL/ KR/AAM/ACC	Athena
1,8L 16V (KR/PL)	81	1,40	VW1006-055		JE Pro-seal
1,8/2,0L 8V+16V	83	1,30	W6177/C4247-051	AGB/2H/GX/HT/JH/JN/MZ/PG/ PF/RD/RV/PL/KR/9A	Wiseco/Cometic
1,8L 16V (KR/PL)	83	1,40	VW1005-055		JE Pro-seal
1,8L 16V (KR/PL)	83,8	1,40	VW1004-055		JE Pro-seal
1,8L 16V (KR/PL)	83,8	1,40	338004R		Athena
1,8/2,0L 8V+16V	85	1,30	W6178/C4246-051	AGB/2H/GX/HT/JH/JN/MZ/PG/ PF/RD/RV/PL/KR/9A	Wiseco/Cometic
1,8T 20V	82	1,30	C4558-051	AEB/AGU/AJH/APH/ARX/ARZ/ ATW/AUM/AVC/AWD/AWL/ AWT>	Cometic
1,8T 20V	82	1,35	338463R	ADR/AEB/AFY/AGR/ANB/APU/ AEB/AJL	Athena
1,8T 20V	83	1,02	H3078SP6040S	/AWW/BJX/BKF/BKV/CFMA/ AYP/CED/AMB/AWM/AJQ/APP>	Cometic
1,8T 20V	83	1,30	H3078SP6051S	/ARY/ATC/AUQ/AWP/BEK/BNU/ BEX/BVR/AMU/AMK/BAM/BEA	Cometic
1,8T 20V	83	1,35	338253R	ADR/AEB/AFY/AGR/ANB/APU/ AEB/AJL	Athena
1,8T 20V	83	1,35	VW1000-055	ADR/AEB/AFY/AGR/ANB/APU/ AEB/AJL	JE Pro-seal
1,8T 20V	83,8	1,40	338254R	ADR/AEB/AFY/AGR/ANB/APU/ AEB/AJL	Athena
1,8T 20V	83,8	1,40	VW1001-055	ADR/AEB/AFY/AGR/ANB/APU/ AEB/AJL	JE Pro-seal
1,8T 20V	85	1,30	C4559-051	See C4458-051/H3078SP6040S/ H3078SP6051S	Cometic

GASKETS

Head Gaskets

Major Applications/Engine Code	Max Bore (mm)	Thickness (mm)	Part #	Notes	Brand
VAG (Audi/VW/Skoda/Seat)					
1,9L/2,1L/2,2L 10V Coupe/Quatro	82	1,60	330048R	GV/JY/KE/KF/KG/KH/KJ/KK/KL/ WB/WC/WE/WG/WH/WJ	Athena
1,9L/2,1L/2,2L 10V Coupe/Quatro	83,5	1,60	330047R	GV/JY/KE/KF/KG/KH/KJ/KK/KL/ WB/WC/WE/WG/WH/WJ	Athena
2,0L 20V conversion	83	1,30	H3078SP6051S		Cometic
2,0L 20V conversion	85	1,02	C4559-040		Cometic
2,0L 20V conversion	85	1,30	H3078SP2051S		Cometic
2,0L TFSI 16V DOHC EA113	83,5	1,30	C4541-051	AXX/BPY/BWA/BPJ/BUL/BWE/ BRC/BWT/BYK	Cometic
2,0L TFSI 16V DOHC EA113	84	0,85	338486R	'04-UP	Athena
2,0L TFSI 16V DOHC EA113	84	0,76	H2907SP1030S	AXX/BPY/BWA/BPJ/BUL/BWE/ BRC/BWT/BYK	Cometic
2,0L TFSI 16V DOHC EA113	84	1,02	H2907SP1040S	AXX/BPY/BWA/BPJ/BUL/BWE/ BRC/BWT/BYK	Cometic
2,0L TFSI 16V DOHC EA888	82,5	1,02	C4976-040	EA888 -'12	Cometic
2,0L TFSI 16V DOHC EA888	83	0,91	C14009-036	MLX - EA888 -'12	Cometic
2,0L TFSI 16V DOHC EA888	84	1,02	C4977-040	EA888 -'12	Cometic
2,0L TFSI 16V DOHC EA888	83	1,02	C4978-040	EA888 '12-UP	Cometic
2,0L TFSI 16V DOHC EA888	84	1,02	C4979-040	EA888 '12-UP	Cometic
2,5L TT-RS (CEPA/CEPB/CTSA/CZGA/CZGB)	84	1,40	330072R	'09-UP	Athena
VR6 2,8L/2,9L 12V/24V	82,5	0,65	VW1003-026	AAA/ABV/AES/AFP/AMY	JE Pro-seal
VR6 2,8L/2,9L 12V/24V	82,5	0,65	338314R	AAA/ABV/AES/AFP/AMY	Athena
VR6 2,8L/2,9L 12V/24V	83	1,65	338321R	AAA/ABV/AES/AFP/AMY	Athena
VR6 2,8L/2,9L 12V/24V	84,1	0,65	VW1002-026	AAA/ABV/AES/AFP/AMY	JE Pro-seal
VR6 2,8L/2,9L 12V/24V	84,1	0,65	338320R	AAA/ABV/AES/AFP/AMY	Athena
3,2L 24V R32	85	0,76	C4968-030		Cometic
Volvo					
B16B/B18A/D	86	1,14	C4287-045	1,6/1,8L	Cometic
B20A/B/E/F	90	1,14	C4288-045		Cometic
B20A/B/E/F	92	1,14	C4289-045		Cometic
B19A/E/ET ,B20E/F/K/ET/FT ,B21E/F/T/FT	92	1,14	C4498-045	1,9L '76-84/2,0L '85-95 /2,1L '75-85	Cometic
B19A/E/ET ,B20E/F/K/ET/FT ,B21E/F/T/FT	92,5	1,30	H2554SP4051S	1,9L '76-84/2,0L '85-95 /2,1L '75-85	Cometic
B19A/E/ET ,B20E/F/K/ET/FT ,B21E/F/T/FT	93	1,30	H2554SP8051S	1,9L '76-84/2,0L '85-95 /2,1L '75-85	Cometic
B230A/E/F/FT/K ,B23AE/E/F/FT , B234F	97	1,14	C4499-045	B23 '78-84/B230 '85-98/B234F '89-95	Cometic
B230A/E/F/FT/K ,B23AE/E/F/FT , B234F	97,1	2,00	330028R	240-242 GLE 2,3L '78-92	Athena
B230A-E-F-FT	97	1,15	338244R	244-245 2,3L 8V '84-86	Athena
B230A-E-F-FT	97	1,50	338462R	244-245 2,3L 8V '84-86	Athena
B5234T	82	1,50	H1508SP2059F	CFM-20	Cometic
B5234T	83,5	1,78	H1508SP3070S	MLS (Bore bump only)	Cometic
B4204S3/S4	89	1,20	330056R	2,0L S40/S80/V50/V70 '06-UP	Athena
B5254T 2,5L 20V S60/S70	83	1,20	338284R	'04-12 (Same as Ford engine!)	Athena
B5254T 2,5L 20V S60/S70	83	1,20	FD1022-047	M	JE Pro-seal
B5254T 2,5L 20V S60/S70	84	1,60	330045R	'04-12 (Same as Ford engine!)	Athena

NOTES

BOLTS & STUDS

Connecting Rod Bolts

Application	Hi-Perf 8740 (complete)	Hi-Perf 8740 (2-PC)	HP Wave 8740 (complete)	HP Wave 8740 (2-PC)	Pro Wave ARP2000 (complete)	Pro Wave ARP2000 (2-PC)	Pro Series ARP2000 (complete)	Pro Series ARP2000 (2-PC)
Alfa Romeo								
2,0L GTV	126-6101							
BMC/Triumph/Rover								
A Series 3/8″	206-6001	206-6021						
A & B Series 11/32″	206-6002							
B-Series (1964-68) 18GB & 18GF 3/8″	206-6003							
K-Series	206-6007							
1,3L & 1,5L Spitfire							206-6004	
2,0L GT6 & 2,5L TR6							206-6005	
2,0L SOHC TR7	206-6006							
BMW/Mini								
1,6L Mini Cooper M8 x 43MM UHL	206-6008							
1,6L Mini Cooper R53 -N12/N14							201-6305	
2,0L M10B20							201-6304	
2,3L (S14) M11 x 41 MM UHL							201-6104	
2,5L (M50/M50TU) inline 6 M9 x 53MM UHL							201-6301	
2,8L (M52EURO) 3,0L & 3,2L (S50US/S52US) Inl,6 M9x44mm UHL							201-6201	
2,8L (M52/M52TU) & 3,0L(M54) & 3,0L(S55B30) inline 6 M9x47MM UHL							201-6303	
3,0L (S50 EURO) & S50B32 inline 6 M10 x 1,25 x 45MM UHL							201-6102	
3,2L S54B32 & 3,0L M54B30 inline 6 M11 x 1,25 x 47MM UHL							201-6103	
3,6L/3,8L S38 inline 6							201-6S38	
4,0L/4,4L S65 V8							201-6001	201-6021
4,4L (M62/M62TU) V8 M9 x 53MM UHL							201-6302	
Ford								
1,6L CVH M8	151-6004							
1,6L & 2,0L Zetec M8	151-6003	151-6023						
1,8L Duratec							251-6202	
2,0L DOHC Cosworth Sierra/Escort							251-6301	
2,0L RS 2000 M8							251-6201	251-6222
2,0L Zetec M9	151-6005							
2,0L Pinto	151-6001	151-6021						
2,3L Pinto	151-6002	151-6022			251-6402	251-6422		
2,5L ST/RS 20V							251-6203	
2,8L & 2,9L V6	153-6001							
Honda								
1,2L & 1,6L & 1,8L M8	208-6001							
1,5L L15							208-6301	
1,6L & 1,8L M9							208-6401	
2,0L (F20C) & 2,2L (F22C) S2000							208-6002	
2,0L (K20A)							208-6003	
3,0L (C30A) V6 Acura NSX M9							208-6004	
3,2L (C32B) V6 Acura NSX M8							208-6005	
Lancia								
2,0L SOHC 8V & DOHC 16V Turbo							275-6001	
Mazda								
1,6L (B6) & 1,8L (BP) DOHC Miata M9	118-6401							
Mitsubishi								
2,0L (4B11) (2008 & later)							207-6002	
2,0L (4G63) (1993 & earlier) M9	107-6001	107-6021						
2,0L (4G63) (1994-07) M8	107-6002	107-6022						

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BOLTS & STUDS

Connecting Rod Bolts

Application	Hi-Perf 8740 (complete)	Hi-Perf 8740 (2-PC)	HP Wave 8740 (complete)	HP Wave 8740 (2-PC)	Pro Wave ARP2000 (complete)	Pro Wave ARP2000 (2-PC)	Pro Series ARP2000 (complete)	Pro Series ARP2000 (2-PC)
Mitsubishi								
2,6L (G54B)	107-6003	107-6023						
3,0L (6G72) & 3,5L (6G74) V6	107-6004	107-6024						
Nissan/Datsun								
A Series (A12-A12A-A13-A14-A15)	102-6002							
L16 Series M8	102-6001							
L20 Series 4-cylinder & 2,2L (Z22) M9	202-6001							
L24 Series (early) inline 6 M8	202-6002							
L24 (late), L26 & L28 Series inline 6 M9	202-6003							
2,0L (SR20DE/DET) 11/32″	202-6005							
2,4L (KA24DE)	102-6003							
2,6L (RB26 DETT)							202-6007	
3,0L (VG30E/ET) SOHC V6 M9	202-6003							
3,0L (VG30D/DET/DETT) DOHC V6 11/32″	202-6004							
3,5L (VQ35) DOHC V6 M8							202-6006	
3,8L (VR38DETT) (CA625+)							202-6101	
Opel/Vauxhall								
1,4L & 1,6L 8V M8	109-6002							
1,4L 16V M9	109-6003							
2,0L 16V M9	109-6001						209-6003	
P.S.A. (Peugeot/Citroën)								
XU9 & XU10 205 & 306	117-6101							
Porsche								
RSR Ti rod					204-6004			
1,7L & 2,0L Type IV	104-6006							
911 2,0L - 901 / 2,2L - 911					204-6003			
911 2,4L - 911 / 2,7L - 911					204-6001			
911 3,0L - 930 + 3,0L 930 Turbo (M10)					204-6001			
911 3,2L - 930 + 3,3L - M30 Turbo (M9)					204-6005			
944					204-6002			
986/987/996/997 M9							204-6301	
Renault								
2,0L Clio (F4R) 16V M9							216-6301	
R5 Turbo (Mid-Engine)							216-6302	
R12 Gordini/Alpine (807g)	116-6001							
Subaru								
1,8L (EJ18) & 2,2L (EJ22) SOHC, 2,5L (EJ25) DOHC Non Turbo & 2,0L (EJ20) DOHC Turbo					260-6301			
2,0L (FA20/FA20DIT/FA20E/FA20F)							260-6303	
2,5L(EJ25)DOHC Turbo							260-6302	
Suzuki								
GSX1300R '99-07							271-6301	
Toyota								
1,6L (4AGE) DOHC & 1,6L (4ALC) SOHC M9	203-6001							
1,6L (2TC/2TG) & 1,8L (3TC)	203-6003							
1,8L(2ZZGE)							203-6301	
2,0L (4U-GSE)							203-6302	
2,0L (3SGTE) & 2,4L (22R)	203-6002							
3,0L (7MGTE) inline 6 (1986-92) Supra	203-6004							
3,0L (2JZGE/GTE) inline 6 (1993-98) Supra							203-6005	

Connecting Rod Bolts

Application	Hi-Perf 8740 (complete)	Hi-Perf 8740 (2-PC)	HP Wave 8740 (complete)	HP Wave 8740 (2-PC)	Pro Wave ARP2000 (complete)	Pro Wave ARP2000 (2-PC)	Pro Series ARP2000 (complete)	Pro Series ARP2000 (2-PC)
VAG (Audi/VW/Škoda/Seat)								
Audi 5-cylinder							104-6007	
Formula Vee (cap screw type) M9	104-6005	104-6025						
Super Vee (cap screw type) Audi style rod							104-6003	104-6023
1,6L air cooled	104-6001							
1,6L water cooled Rabbit & Corrado G60	104-6002							
1,8L & 2,0L water cooled (M8 x 55 UHL)			104-6004	104-6024				
2,0L TSI/TFSI(M8)							204-6302	
2,0L FSI/TFSI(M9)							204-6303	
2,7L (APB/BEL) Turbo & 2,8L - AFC Non Turbo V6							204-6201	
2,8L & 2,9L VR6							204-6006	
Volvo								
2,5L 20V (B5254)							219-6201	

ARP Rod Bolt Replacement Kits

Application	Material	Thread Size (in.)	UHL (mm)	Thread Length (mm)	Grip Length (mm)	Head Height (mm)	Wrench Size (mm)	Collar Diameter (mm)	Set Qty.	Complete Set	2-Piece Pack
Carrillo replacement	ARP3,5	1/4	35,56	13,46	5,72	8,26	5/16	11,00	8	300-6609	300-6629
Carrillo replacement	Custom Age 625+	1/4	35,56	13,46	5,72	8,26	5/16	11,00	8	300-6709	300-6729
General replacement, steel rods	ARP2000	3/8	38,10	13,97	2,54	9,86	7/16	14,10	8	200-6207	200-6227
General replacement	Custom Age 625+	3/8	38,10	13,97	3,68	9,86	7/16	14,10	8	300-6704	300-6724
General replacement, steel rods	ARP2000	3/8	40,64	15,24	3,68	9,86	7/16	14,10	8	200-6209	200-6219
Carrillo replacement	ARP3,5	3/8	40,64	15,24	3,68	9,27	7/16	14,35	8	300-6603	300-6623
Carrillo replacement	Custom Age 625+	3/8	40,64	15,24	3,68	9,27	7/16	14,35	8	300-6703	300-6723
Carrillo replacement	Custom Age 625+	3/8	40,64	15,24	3,68	9,27	7/16	14,35	16	300-6702	300-6722
General replacement, steel rods	ARP2000	3/8	44,45	14,22	3,81	9,86	7/16	14,10	8	200-6208	200-6228
General replacement, steel rods	ARP2000	5/16	38,10	13,97	3,81	8,84	3/8	13,36	8	200-6210	200-6220
Carrillo replacement	ARP3,5	5/16	38,10	13,97	3,81	8,84	3/8	13,36	8	300-6608	300-6628
Carrillo replacement	Custom Age 625+	5/16	38,10	13,97	3,81	8,84	3/8	13,36	8	300-6708	300-6728
Manley replacement	8740	7/16	40,64	15,24	5,08	9,86	7/16	16,36	16	200-6006	200-6026
Lentz replacement without washers	ARP2000	7/16	43,82	16,51	7,62	9,65	1/2	16,64	16	200-6205	200-6225
Carrillo replacement for H-bolt, without washers	L19	7/16	43,82	16,51	7,62	9,86	1/2	16,64	16	200-6203	200-6223
Carrillo, Lentz, Ferrea replacment without washer	ARP3,5	7/16	44,45	16,76	8,89	9,14	1/2	16,13	16	300-6601	300-6621
Carrillo, Lentz, Ferrea replacement without washer	Custom Age 625+	7/16	44,45	16,76	8,89	11,05	1/2	18,92	16	300-6701	300-6721
N/A	8740	7/16	45,72	26,67	19,05	9,86	7/16	16,36	16	200-6001	200-6021
Venolia, BRC, aluminum rod replacement, with washer	8740	7/16	45,72	25,40	7,62	9,14	7/16	16,36	16	200-6002	200-6022
Manley Elgin replacement	8740	7/16	45,72	17,78	5,08	9,86	7/16	16,36	16	200-6003	200-6023
Carrillo replacement for CARR bolt, with washers	ARP2000	7/16	45,72	20,32	7,62	9,65	1/2	16,64	16	200-6202	200-6222
Lentz replacement with washers	ARP2000	7/16	45,72	20,32	7,62	9,65	1/2	16,64	16	200-6204	200-6224
Manley replacement, rod partnumber 14051 and 14055	ARP2000	7/16	46,99	18,80	5,08	9,86	7/16	16,36	16	200-6201	200-6221
General replacement, aluminum rods, with washers, U/C	8740	7/16	50,80	25,40	7,62	11,05	7/16	18,92	16	200-6004	200-6024
Venolia, Brooks, KB, Alu rod replacement with washer	ARP2000	7/16	50,80	25,40	7,62	11,05	1/2	18,92	16	200-6206	200-6226
Venolia, Brooks, KB, BRC, Alu rod repl,with washer	L19	7/16	50,80	25,40	7,62	11,05	1/2	18,92	16	200-6506	200-6526
Venolia, Brooks, KB, Aluminum rod repl, with washer	Custom Age 625+	7/16	50,80	31,75	19,05	9,86	1/2	16,36	16	300-6706	300-6726

ARP Head Stud Kits

Application	12-Points Nuts	12-Point Nuts U/C Studs
BMC/Triumph/Rover		
A Series, 9 studs	206-4201	
A Series, 11 studs	206-4204	
A Series, 11 studs shaved head		206-4206
B Series	206-4202	
1,3L & 1,5L Spitfire	206-4203	
2,0L GT6 & 2,5L TR6	206-4205	
2,0L SOHC TR7	206-4208	
2,1L TR4	206-4207	
BMW/Mini		
Mini Cooper R53(Tritec)	201-4301	
Mini 1,6 Ltr (N12/N14/N16/N18)(Prince)	201-4304	
1,8L M42B18 / 1,9L M44B19	201-4M42	
2,5L M20B25		201-4305
2,0L M10B20 2002 Coupe, 318i, 320i 4 cylinder		201-4601
2,3L S14B23		201-4605
530, 535, 635, 735 (M30)		201-4602
2,5L(M50/M52*),3,0L(S50US),3,2L(S52US) ,M54 inline 6(*use 85Nm for M52)	201-4302	
E46 M3/ S50 & S54 inline 6 ARP2000	201-4303	
3,0L S55B30		208-4303
3,5L/3,6L/3,8L S38 inline 6(does not fit M88 head)		201-4S38
4,0L S65B40 V8	201-4307	
Ford		
1,6L Escort (CHV) M10	151-4203	
1,6L Ecoboost	251-4302	
2,0L DOHC Cosworth M12		251-4701
2,0L Zetec		251-4702
2,0L Pinto	151-4201	
2,3L Pinto	151-4202	151-4702
2,3L Duratec (2003 & later)	151-4204	
2,3L Ecoboost		151-4301
2,5L Duratec V6	253-4701	
2,5L(KI) Series(Probe) V6 ARP2000		218-4704
2,5L 20V (HUBA)		251-4703
2,5L Ecoboost		153-4302
3,0L Essex V6	253-4201	
3,5L Ecoboost		153-4303
Honda		
L15 SOHC	208-4308	
B18A1, M11		208-4302
Acura VTEC B18CI, M11, GSR		208-4303
B16A		208-4601
B20B, w/B16A head		208-4306
Civic D16Y	208-4305	
F20 S2000		208-4702
Honda D16Z - Only, M10	208-4301	
Honda H22A4, VTEC		208-4304
H23A		208-4307
K20A (A2 & A3)		208-4701
Hyundai		
2,0L(G4KF)	228-4301	
Lancia/Fiat		
1,4L Abarth 500	275-4FA5	
2,0L HF 8V		275-4L8V
2,0L HF 16V		275-4701
Mazda		
1,6L (BP) & 1,8L (BP) DOHC Miata	218-4701	
2,0L FS-DE (1998-02)	218-4703	
2,3L DOHC (2003)	218-4702	
2,5L(KI) Series V6 ARP2000		218-4704
Mercedes		
2,5L 16V		151-4702

Application	12-Points Nuts	12-Point Nuts U/C Studs
Mitsubishi		
2,0L (4B11)DOHC('08>)ARP2000	207-4206	
2,0L (4B11)DOHC('08>)Custom Age CA625+	207-4207	
2,0L (4G63) DOHC (1993 -) M12	207-4201	207-4701
2,0L (4G63) DOHC (1994+) M11	207-4203	207-4702
2,0L (4G63) DOHC ('94+) M11 Custom Age CA625+	207-4302	
2,6L (G54B)	207-4202	
3,0L (6G72) DOHC V6 ARP 2000		207-4205
Nissan/Datsun		
A-12 engines	202-4202	
A-14 engines	202-4203	
L20 series, 4-cylinder	202-4201	
L24, L26, L28 series, 6-cylinder	202-4206	
CA16DE, CA16DET, CA18DE, CA18DET	202-4302	202-4702
RB20, RB20DET, RB25, RB25DET (7/16)	202-4301	
2,5L RB25, RB25DET Inline 6 ARP2000 M11	202-4309	
2,6L RB26DETT, GTR ARP2000	202-4207	
2,6L RB26DETT, GTR Custom Age CA625+	202-4208	
2,0L (SR20DE) DOHC (1991-01) M11		102-4701
2,0L (SR20DET/RN14) DOHC Turbo (1991-94) M12	202-4303	
2,4L (KA24E)	202-4307	
2,4L (KA24DE)	202-4304	
3,0L VG30DE, VG30DETT M12	202-4308	
VQ30, VQ35		202-4701
VR38DETT	202-4305	
Opel/Vauxhall		
2,0L 16V	209-4301	209-4701
2,2L Ecotec		231-4701
2,5L V6	209-4302	209-4702
P.S.A.		
2,0L 16V(XU10J4/RS)	117-4XU10	
Porsche		
924 2,0L		251-4701
911-930 2,0L-3,8L AC-Engine	204-4206	
911 3,4L(996) Non-Turbo LC-Engine	204-4707	
911 3,6L(996) Turbo LC-Engine	204-4210	
944 2,5L SOHC/DOHC LC-Engine	204-4211	
944 3,0L DOHC LC-Engine	204-4301	
Saturn		
1,9L DOHC (1991-99)	165-4202	
1,9L SOHC (1999-02)	165-4201	
Subaru		
2,0L FA20	260-4301	
EJ Series 2,0L/2,2L/2,5L DOHC (ARP2000)		260-4701
EJ Series 2,0L/2,2L/2,5L DOHC (Custom Age CA625+)		260-4704
EJ Series Phase 2 (1999 & later) SOHC(ARP2000)		260-4702
Suzuki		
1,6L M16A	271-4301	
Toyota		
1,5L (NZ-FE) DOHC	203-4101	
1,6L (4AGE) DOHC	203-4203	
1,6L (2TC) & 1,8L (3TC)	203-4206	
1,8L (1ZZFE) DOHC ARP2000		203-4703
1,8L (2ZZGE)	203-4302	
2,0L (4U-GSE)	203-4305	
2,0L (3SGTE) DOHC	203-4204	
2,0L (3SGTE) DOHC (Custom Age CA625+)	203-4207	
2,4L (22R) & 2,2L(20R)	203-4201	
2,4L (2AZFE) 2006&Earlier	203-4303	
2,4L (2AZFE) 2007&Later	203-4306	

ARP Head Stud Kits

Application	12-Points Nuts	12-Point Nuts U/C Studs
Toyota		
2,8L (5MGE) & 3,0L (7MGTE) inline 6	203-4202	203-4701
3,0L (2JZGE/GTE) inline 6	203-4205	203-4702
3,0L (2JZGE/GTE) inline 6 (Custom Age CA625+)	203-4301	
VAG (Audi/VW/Škoda/Seat)		
Audi 5 cylinder, 10 valve	204-4205	204-4703
Audi 5 cylinder, 20 valve	204-4207	204-4704
Super Vee -Flat 4	204-4202	
1,6L & 1,9L Turbo & Non-Turbo Diesel('82-02)		204-4706
1,8L DOHC 20V Turbo M10(no install tool)		204-4103
1,8L DOHC 20V Turbo M10(install tool)		204-4104
1,8L DOHC 20V Turbo M11(no install tool)		204-4101

Application	12-Points Nuts	12-Point Nuts U/C Studs
VAG (Audi/VW/Škoda/Seat)		
1,8L DOHC 20V Turbo M11(install tool)		204-4102
1,8L & 2,0L 8V Golf/Jetta	204-4203	204-4701
1,8L & 2,0L 16V Golf/Jetta (M11x1,50)	204-4204	204-4702
1,9L D with 1,8L 16V Head (M12 x 1,75/1,25)	204-4D16	
2,0L TFSI	204-4302	
2,5L TTRS TFSI	204-4TRS	
2,5L TTRS TFSI(no washer/with thicker Nut)	204-4TSS	
2,7L 30V(V6)	204-4105	
2,8L & 2,9L VR6		204-4705
3,2L R32	204-4R32	
Volvo		
2,5L (B5254)		219-4301

ARP Main Stud Kits

Application	2-bolt Main	4-bolt Main
BMC/Triumph/Rover		
A Series	206-5401	
B Series (3 cap main)	206-5402	
B Series (5 cap main)	206-5403	
2,0L SOHC TR7	206-5404	
Austin healey 6 Cylinder	206-5405	
BMW/Mini		
Mini 1,6L (N12/N14/N16/N18)	201-5401	
1,8L M42B18 / 1,9L M44B19	201-5M42	
S14B23 & M10 1,5-2,0L	201-5001	
M50B25 & M52B28	201-5000	
S54B32	201-5002	
S38B36/S38B38	201-5S38	
Chrysler/Dodge		
2,0L SOHC/DOHC neon w/block#4667642	141-5801	
Fiat		
1,4L Abarth 500	203-4204	
Ford		
1,6L Escort	151-5403	
2,0L Zetec '97 & earlier (M11-101,5mm)	151-5406	
2,0L Zetec '98-up (M11-85mm)	151-5404	
2,0L Pinto	151-5401	
2,3L Pinto	151-5402	
2,3L Duratec '03	151-5405	
2,3L Ecoboost	151-5407	
2,5L 20V '05 &UP	251-5801	
2,7L Ecoboost	153-5402	
Honda		
1,5L (L15)	108-5401	
1,6L (B16A) (12 pt nuts)	208-5402	
1,8L (B18C1)	208-5403	
1,8L (B18A1/B1)	208-5404	
2,2L (H22A) & 2,3L (H23A) (12 pt nuts)	208-5401	
3,0L & 3,2L C30A/C32B NSX '90-'05	208-5801	
Hyundai		
2,0L (G4KF)	228-5401	
Lancia		
2,0L HF 16V	175-5401	
Mazda		
1,6L (BP) & 1,8L (BP) DOHC Miata (12 pt nuts)	218-5401	
2,3L DOHC 16V (2003 & later)	218-5402	
Mitsubishi		
2,0L(4B11)DOHC (2008& later) ARP2000		207-5403

Application	2-bolt Main	4-bolt Main
Mitsubishi		
2,0L (4G63) DOHC (2007 & earlier)	207-5401	
2,6L (G54B)	207-5402	
3,0L (6G72) V6 (1993 & later)		207-5801
Nissan/Datsun		
L20 series, 4-cylinder	202-5401	
L24, L26, L28 series, 6-cylinder	202-5406	
2,0L (SR20DE/DET)	202-5402	
2,4L (K24DE/KA24E)	102-5401	
2,5L YD25 Navara Diesel	202-5803	
2,6L (RB26)	202-5403	
3,0L (VG30DE/DETT)	102-5402	
3,5L (VQ35) DOHC V6		202-5801
3,8L (VR38DETT)		202-5802
Renault		
2,0L(F4R)	216-5401	
Toyota		
1,5L (1NZ-FE)	203-5408	
1,6L (4AGE) & 2,0L (3SFE) DOHC	203-5403	
1,8L (2ZZGE)	203-5407	
2,0L (3SGTE) DOHC	203-5404	
2,2L (20R) & 2,4L (22R)	203-5406	
2,4L (2AZFE)	203-5401	
3,0L (7MGTE) inline 6('86-92) Supra w/bolts for #cap 3	203-5402	
3,0L (2JZGE/GTE) inline 6('93-98) Supra	203-5405	
Opel/Vauxhall		
2,0L 16V	209-5401	
2,5L V6	209-5402	
Suzuki		
1,6L M16A		271-5201
VAG (Audi/VW/Škoda/Seat)		
1,6L & 2,0L Rabbit,Golf, Jetta(ABA/9A/ABF)	204-5402	
1,8L 8V/16V & 1,8L T 20V(Belt driven Oilpump) (M10 x 85mm OL)	204-5402	
1,8L T 20V(Chain driven Oilpump) gen 2 (M10 x 102mm OL) (as in: AMK/AWT/BAM)	209-5401	
2,0L TFSI	204-5408	
2,2L 20V (85mm OL)	204-5404	
2,2L 20V (3B+AAN)(102mm OL)	204-5RS2	
2,7L 30V(V6) Bi Turbo with side bolts ARP2000		204-5801
2,8L & 2,9L VR6	204-5403	
Volvo		
2,5L 20V (B5254) '99&Earlier		219-5802
2,5L 20V (B5254) '00&UP		219-5801

ARP Flywheel Bolt Kits

Application	UHL (mm)	Thread Size	Pro Series
BMC/Triumph			
1,6L A Series (6 pcs.)	22,86	3/8-24	206-2802
BMW/Mini			
1,6L (N12/N14/N16/N18) Mini Cooper (6 pcs.)	20,32	M9x1,25	101-2801
2,3L (S14) (22mm UHL) (8 pcs.)(Also fits S38B36-12x)	22,10	M12x1,5	201-2801
2,3L (S14)/S54B32 (28mm UHL) (8 pcs.)	27,94	M12x1,5	201-2802
Ford			
1,8L & 2,0L Duratec (6 pcs.)	25,15	M12x1,0	251-2802
2,0L (YB) Cosworth (9 pcs.)	29,21	M10x1,0	251-2803
2,0L Zetec (6 pcs.)	22,86	M11x1,0	251-2801
2,0L Pinto (6 pcs.)	29,21	M10x1,0	151-2801
Honda			
1,5L & 1,6L SOHC D Series (6 pcs.)	25,15	M12x1,0	208-2801
1,6L &1,7L &1,8L & 2,0L DOHC B Series (8 pcs.)	25,15	M12x1,0	208-2802
Hyundai			
2,0L (G4KF) (7 pcs.)	25,40	M12x1,25	128-2801
Mitsubishi			
2,0L (4G63)('93 and later) (7 pcs.)	20,96	M12x1,25	107-2801
2,0L (4G63)('92 and earlier) (6 pcs.)	20,96	M12x1,25	107-2802
2,0L (4G63) Evo 4-9 (7 pcs.)	15,24	M12x1,25	107-2803
2,0L (4B11) (7 pcs.)	17,78	M12x1,25	207-2801
Nissan			
2,0L SR20/DE/DET (8 pcs.)	23,50	M10x1,0	102-2803
2,4L KA24 (6 pcs.)	25,40	M12x1,25	102-2802
2,6L RB26 (6 pcs.)	29,97	M12x1,25	102-2801
Opel/Vauxhall			
2,0L (8 pcs.)	25,02	M10x1,25	209-2801
2,0L CIH	25,40	M10x1,0	254-2801
2,4L CIH	25,02	M10x1,25	209-2801
Porsche			
2,0L & 3,0L AC ('70-77) (6 pcs.)	25,40	M12x1,25	204-2802
3,0L & 3,8L AC ('78-97) (9 pcs.)	19,56	M10x1,25	204-2801
Rover			
K Series (6 pcs.)	20,98	M10x1,0	206-2803
Subaru			
2,0L FA20 (8 pcs.)	23,50	M10x1,0	260-2801
Suzuki			
1,6L M16A (8 pcs.)	19,05	M10x1,25	171-2801
Toyota			
1,6L (4AGE) DOHC (8 pcs.)	26,67	M10x1,25	203-2802
1,8L (2ZZGE) (8 pcs.)	22,23	M10x1,25	103-2802
2,0L (3SGTE) DOHC (8 pcs.)	25,40	M12x1,25	203-2801
2,0L (4U-GSE) (8 pcs.)	23,50	M10x1,0	203-2804
2,2L (20R) & 2,4L (22R) (6 pcs.)	26,42	M11x1,25	203-2803
2,4L (2AZFE) (8 pcs.)	25,40	M12x1,25	103-2801
VAG (Audi/VW/Škoda/Seat)			
2,0L 16V (8 pcs.)	20,32	M10x1,0	254-2901
2,0L 16V (8 pcs.) (ABF/9A)	25,40	M10x1,0	254-2801

BOLTS & STUDS

ARP Wheel Studs

Application	Knurl Dia. (mm)	UHL (mm)	Knurl Length (mm)	Nose Length (mm)	Thread Size	Part No,
Chrysler/Dodge						
Neon, front	14,86	62,23	6,50	9,14	M12x1,5	100-7721
Honda						
Stock replacement(1996 & earlier) 4 pack	12,32	46,99	6,99	8,89	M12x1,5	100-7709
Stock replacement(1997 & later) 5 pack	12,32	46,99	6,99	8,89	M12x1,5	100-7710
Extended Length(1996 & earlier) 4 pack	12,32	72,39	6,99	8,89	M12x1,5	100-7711
Extended Length(1997 & later) 5 pack	12,32	72,39	6,99	8,89	M12x1,5	100-7712
Lexus						
IS300	14,17	66,04	5,84	None	M12x1,5	100-7715
Mazda						
Miata, front and rear(1990-93) & front(19494-05) 4 pack	12,88	69,85	8,51	8,89	M12x1,5	100-7719
Miata,rear(1994-05) 4 pack	14,71	69,85	7,62	8,89	M12x1,5	100-7720
Mitsubishi						
Lancer Evo 8	14,35	76,20	6,86	8,89	M12x1,5	100-7717
Subaru						
WRX/BRZ(+Scion FSR)	14,35	49,53	6,86	5,08	M12x1,25	100-7728
WRX/BRZ(+Scion FSR)	14,35	64,39	6,86	5,08	M12x1,25	100-7729
WRX/BRZ(+Scion FSR)	14,35	76,20	6,86	8,89	M12x1,25	100-7716
WRX/BRZ(+Scion FSR)(stock replacement)	14,35	44,45	6,86	None	M12x1,25	100-7727
Toyota						
Celica GTS(1986-89) front	14,35	59,44	8,26	9,22	M12x1,5	100-7718
Others						
Aftermarket axles 12pt style head	none	88,14	none	12,70	1/2-20	100-7704
Speedway Engineering and Frankland full floating hubs	14,43	75,44	18,03	11,81	1/2-20	100-7706

ARP Head Bolts

Application	Pro Series
BMW/Mini	
1,6L (W10/W11) Mini Cooper	206-3601
Toyota	
1,3L (4EFE/FTE) & 1,5L (5EFE/FHE) DOHC ARP2000	203-3801
3,0L (7MGTE) inline 6 ('81-92) Supra	203-3902
VAG (Audi/VW/Škoda/Seat)	
1,8L DOHC 20V Turbo M10(w/o Installation tool)	204-3901
1,8L DOHC 20V Turbo M10(w Installation tool)	204-3902

ARP Cam Sprocket Bolt Kits

Application	Part #
Ford 4-cylinder	
2,0L Zetec	251-1002
Mitsubishi	
2,0L (4G63) DOHC	107-1002

ARP Main Bolts

Application	Pro Series
MGB	
2 cap main	206-5001
5 cap main	206-5002
Mitsubishi	
2,0L(4B11)DOHC (2008& later) ARP2000	207-5201
Porsche	
911 - 3,4/3,6L(996) Non Turbo LC	204-5001
Subaru	
2,0L (FA20)	260-5001
EJ Series 2,0L/2,2L/2,5L SOHC/DOHC Crankcase thru bolt kit	260-5401
Toyota	
1,6L (4AGE) DOHC	203-5001
2,0L (4U-GSE)	203-5002

▲TOP

BOLTS & STUDS

ARP Flexplate Bolt Kits

Application	UHL (mm)	Thread Size	Pro Series
Ford			
2,0L & 2,3L Pinto (6 pcs.)	20,32	M10x1,0	251-2901
Mitsubishi			
2,0L (4G63)('92 and earlier) (6 pcs.)	17,78	M12x1,25	107-2901
2,0L (4G63)('93 and later) (7pcs.)	11,68	M12x1,25	107-2902
Nissan			
2,4L (KA24) (6 pcs.)	11,68	M12x1,25	102-2902
2,5L (RB25) & 2,6L (RB26) (6 pcs.)	17,78	M12 x1,25	102-2901
Subaru			
2,0L (FA20) (8 pcs.)	23,50	M10x1,0	260-2901
Toyota			
2,0L (4U-GSE) (8 pcs.)	23,50	M10x1,0	203-2901

ARP Clutch Cover/Pressure Plate Bolt Kits

Application	Thread Size	High Perf.
BMW/Mini		
1,6L (N12/N14/N16/N18) Mini Cooper (6 pcs.) (UHL 16mm)	M8x1,25	101-2201
1,6L (W11/B16) Mini Cooper (6 pcs.)(UHL 15mm)	M9x1,25	101-2202
Honda		
DOHC B series (9 pcs.)(UHL 25mm)	M8x1,25	108-2202
SOHC D series (6 pcs.)(UHL 25mm)	M8x1,25	108-2201
Nissan		
2,4L (KA24) (6 pcs.)(UHL 16mm)	M8x1,25	102-2202
2,6L (RB26) (6 pcs.)(UHL 16mm)	M8x1,25	102-2201
Suzuki		
1,6L (M16A) (6 pcs.)(UHL 16mm)	M8x1,25	171-2201
Toyota		
2,0L (20R) + 2,4L (22R) (6 pcs.)(UHL 16mm)	M8x1,25	103-2201

ARP Engine case Kits

Application	Part #
Case halves stud kit	
Porsche	
911-930 turbo	504-9501
Crankcase thru-bolt kit kit	
Porsche	
911 2,0/2,2/2,4/2,7L AC	204-5407
911 3,0/3,2/3,3L AC + TURBO	204-5405
911 3,6/3,8L AC	204-5406
Subaru	
2,0L (FA20) DOHC	260-5001
2,0/2,2/2,5L SOHC/DOHC EJ series	260-5401
Toyota	
2,0L(4UGSE)	203-5002

ARP Ring Gear Bolt Kits

Application	UHL (mm)	Thread Size	Part #
VAG (Audi/VW/Škoda/Seat)			
020 with 12 pt nuts	30,48	M9x1,0	204-3001
02A with 12 pt nuts	29,97	M10x1,25	204-3002
02M with 12 pt nuts	27,94	M9x1,0	204-3003

ARP Harmonic Damper Bolt Kits

Application	UHL (mm)	Thread Size	Socket Size (MM)	Part #
Ford				
1,8/2,0L Duratec	44,07	M14x1,5	19,0	251-2501
Honda				
Stock replacement(1996 & earlier) 4 pack	12,32	46,99	6,99	8,89
Stock replacement(1997 & later) 5 pack	12,32	46,99	6,99	8,89
Extended Length(1996 & earlier) 4 pack	12,32	72,39	6,99	8,89
B Series(B16/B18)	34,29	M14x1,25	19,0	208-2501
Mitsubishi				
2,0L (4G63) DOHC	38,74	M14x1,5	19,0	207-2501
Nissan				
2,6L (RB26)	88,90	M18x1,5	27,0	102-2501

ARP Cam Tower Bolt & Stud Kits

Application	UHL (mm)	Thread Size	Socket Size (MM)	High Perf. 180,000psi	Pro Series 200,000psi
Chrysler					
2,0L DOHC & 2,4L DOHC(Studs)(Head 4667086)	46,35/53,72	M6x1,0/ M8x1,0	8,0/10,0	141-1001	
Hyundai					
2,0L (G4KF) (Studs)(20 pcs.)	46,35/53,72	M6x1,0/ M8x1,0	8,0/10,0	128-1001	
Mitsubishi					
2,0L (4B11T) (Studs)	46,35/53,72	M6x1,0/ M8x1,0	8,0/10,0	107-1001	
2,0L (4G63) DOHC (Studs)(24 pcs.)	40,00	M8x1,25	10,0	107-1003	
VAG (Audi/VW/Škoda/Seat)					
2,0L (FSI) (Bolts)(23 pcs.)	38,10	M6x1,0	8,0		104-1001

BOLTS & STUDS

ARP Ultra-Torque

ARP Ultra-Torque(0,5 fl.oz. pouch)	100-9908
ARP Ultra-Torque(1,0 fl.oz pouch)	100-9913
ARP Ultra-Torque(1,69 fl.oz. squeeze tube)	100-9909
ARP Ultra-Torque(10 oz. brush top container)	100-9910
ARP Ultra-Torque(20 oz. brush top container)	100-9911

General Torque Recommendations

Recommended Torque to achieve optimum Preload(clamping force) using ARP lubricants-Torque(Ft,/Lbs,)-Preload(Lbs,)

Fastener Diameter	Fastener Tensile Strength(PSI)					
	170,000/180,000(1172/1241 N/mm2)		190,000/200,000(1310/1379 N/mm2)		220,000 (1,516 N/mm2)	
	Torque w/Arp lube	Preload	Torque w/Arp lube	Preload	Torque w/Arp lube	Preload
1/4”	12	3,492	14	3,967	16	4,442
5/16”	24	5,806	28	6,588	32	7,371
3/8”	45	8,622	50	9,782	55	10,942
7/16”	70	11,880	80	13,470	90	15,060
1/2”	110	16,391	125	18,515	140	20,639
9/16”	160	21,220	180	23,944	200	26,668
5/8”	210	26,372	240	29,756	270	33,140
6mm	11	3,359	13	3,814	15	4,269
8mm	24	5,801	28	6,581	32	7,361
10mm	54	9,970	62	11,305	70	12,640
11mm	72	12,184	82	13,961	92	15,738
12mm	98	14,472	112	16,949	125	19,425
14mm	N/A	N/A	184	22,771	205	25,730
16mm	N/A	N/A	244	29,664	272	33,519

Quick Reference Guide To Materials Used In Fasteners

Material	Use?	Yield Strength	Tensile Strength	Used For
Grade 5	No	90,000 psi	120,000 psi	Accessory bolts and studs
Grade 6	No	120,000 psi	150,000 psi	Accessory bolts and studs
“Stainless 300”	Yes	140,000 psi	170,000 psi	Accessory bolts & studs, head studs
Custom 450 ®	Yes	150,000 psi	180,000 psi	Head bolts, accessory bolts
8740 Chrome Moly	Yes	180,000 psi	200,000 psi	Rod bolts,head & main studs & bolts
A286	Yes	170,000 psi	200,000 psi	Head bolts, accessory bolts
ARP2000	Yes	200,000 psi	220,000 psi	Rod bolts,head & main studs
L19	Yes	200-230,000 psi	260,000 psi	Connecting rod bolts
Inconel 718	Yes	190-210,000 psi	210-230,000 psi	Connecting rod bolts
Custom Age 625+ ®	Yes	235-255,000 psi	260-280,000 psi	Head studs, connecting rod bolts
ARP 3,5	Yes	220-250,000 psi	260-280,000 psi	Connecting rod bolts
AerMet ®	Yes	260,000 psi	290-310,000 psi	Connecting rod bolts
Titanium	Yes	160,000 psi	180,000 psi	Head studs, accessory bolts



ENGINE BEARINGS

Engine Code	Rod	Main	Thrust	Notes
Alfa Romeo				
1290/1570/1779/1962/1995cc	4B1110H	5M1112H		Sizes Std/0,25
JTS 3,2L V6	6B2270HX	4M2273HX		
	6B2270H	4M2273H		Sizes Std/0,025/0,25
BMC Mini				
997/998cc I-4	4B2201HX	3M2203HX		
	4B2201H	3M2203H		Sizes Std/0,01/0,10
1275cc I-4 (up to 1983)	4B2206HX	3M2204HX	2T2204	
	4B2206H	3M2204H		Sizes Std/0,01/0,10
1275cc I-4 (1983 on)	4B2206HX	3M2205HX	2T2204	Sizes Mains Std/0,025/0,25
	4B2206H	3M2205H		Sizes Rod Std/0,01/0,10
BMW/Mini				
1,6L Mini W10B16	4B2903HX			
	4B2903H			Sizes Std/0,025/0,25
1,6L Mini W11B16(Tritec)	4B2902HX			
1,6L Mini N12/N14/N16/N18(Prince)/BMW N13B16A	4B7787HX	5M7788HX	1T7788	
	4B7787H	5M7788H		Sizes Std/0,025/0,25
N20B20/N26B20	4B1584HX			
	4B1584H			Sizes Std/0,025/0,25
M20(03-/'88->)/M50/M52/M54/S50B30US/ S52B32US	6B1490HX	7M1532HX		
	6B1490H	7M1532H		Sizes Std/0,025/0,25/0,50
M40/M42/M43/M44	4B1490HX	5M1538HX		
	4B1490H	5M1538H		Sizes Std/0,025/0,25/0,50
S14/7 (I4)	4B1489HX			
	4B1489H			Sizes Std/0,025/0,25
S14B20/S14B23/S14B25/M10B18/M10B20	4B1568HX			
	4B1568H			Sizes Std/0,025/0,25
N54B30/N55B30/S55B30	6B1584HX			
	6B1584H			Sizes Std/0,025/0,25
S50B30	6B1515HX	7M1532HX		Sizes Mains Std/0,025/0,25/0,50
	6B1515H	7M1532H		Sizes Rods Std/0,025/0,25
S50B32	6B1497HX	7M1532HX		Sizes Mains Std/0,025/0,25/0,50
	6B1497H	7M1532H		Sizes Rods Std/0,025/0,25
S54B32	6B1569HX	7M1532HX		Sizes Mains Std/0,025/0,25/0,50
	6B1569H	7M1532H		Sizes Rods Std/0,025/0,25
M30Bxx/S38B35/S38B36	6B1568HX			Sizes Mains Std/0,25/0,50
	6B1568H			Sizes Rods Std/0,025/0,25
N63B44/S63B44(F10/F90 M5)	6B1578HX			
	6B1578H			Sizes Std/0,025/0,25
S65B40(V8)	8B1580HX			
	8B1580H			Sizes Std/0,025/0,25
S85B50(V10)	10B1580HX			
	10B1580H			Sizes Std/0,025/0,25
Ford				
OHV/Kent 1500-1600	4B603HX	5M2152HX		
	4B603H	5M2152H		Sizes Std/0,01/0,10/0,20
1,0 Ecoboost	3B7328HX	4M7330HX		
	3B7328H	4M7330H		Sizes Rods Std/0,025/0,25
1,6 BDA/BDB/BDC/BDD	4B1060HX	5M2152HX	1T2152	
	4B1060H	5M2152H		Sizes Std/0,01/0,10/0,20
1,6 Ecoboost	4B7267HX			
	4B7267H			Sizes Rods Std/0,025/0,25
2,0 YB Cosworth	4B2166HX	5M2167HX	2T2167	
	4B2166H	5M2167H		Sizes Std/0,25/0,50
2,0/2,3 Ecoboost	4B8172HX			Rod 52MM
	4B8172H			Sizes Std/0,025/0,25
2,0 Duratec	4B4390HX	5M8174A		
	4B4390H			Sizes Std/0,025//0,25
2,3 Duratec	4B8170HX	5M8174A		Rod 50MM
	4B8170H			Sizes Std/0,025//0,25
4,0L Barra (incl Turbo)	6B2150HX	7M2094HX		
	6B2150H	7M2094H		Sizes Std/.001/.010/.020
Honda				
D15B/D15Z	4B1956HX			
	4B1956H			Sizes Std/0,025/0,25

ENGINE BEARINGS

Engine Code	Rod	Main	Thrust	Notes
Honda				
D16A1/A6/D16Y/D16Z	4B1956HX	5M1957HX	1T1957	
	4B1956H	5M1957H		Sizes Std/0,025/0,25
B16A1-A6	4B1946HX	5M1959HX	1T1957	
	4B1946H	5M1959H		Sizes Std/0,025/0,25
	4B1946HDX			With Dowel Hole
	4B1946HD			Sizes Std/0,025/0,25
B17A1/B18A1/B18B1	4B1946HX	5M1959HX	1T1957	
	4B1946H	5M1959H		Sizes Std/0,025/0,25
	4B1946HDX			With Dowel Hole
	4B1946HD			Sizes Std/0,025/0,25
D17A/D17Z/B20A/B21A		5M1957HX	1T1957	
		5M1957H		Sizes Std/0,025/0,25
B18C1/B18C5	4B1925HX	5M1959HX	1T1957	
	4B1925H	5M1959H		Sizes Std/0,025/0,25
	4B1946HDX			With Dowel Hole
	4B1946HD			Sizes Std/0,025/0,25
F18B/F20B	4B1946HX			
	4B1946H			Sizes Std/0,025/0,25
	4B1946HDX			With Dowel Hole
	4B1946HD			Sizes Std/0,025/0,25
B20A/B21A/B21A1	4B1936HX	5M1957HX	1T1957	
	4B1936H	5M1957H		Sizes Std/0,025/0,25
B20B/B20Z	4B1946HX	5M1959HX	1T1957	
	4B1946H	5M1959H		Sizes Std/0,025/0,25
	4B1946HDX			With Dowel Hole
	4B1946HD			Sizes Std/0,025/0,25
K20A3	4B1906HX	5M1959HX	1T1957	
	4B1906H	5M1959H		Sizes Std/0,025/0,25
K20A2/K20Z1/K24A/K24Z1	4B1972HX	5M1959HX	1T1957	
	4B1972H	5M1959H		Sizes Std/0,025/0,25
	4B1946HDX			With Dowel Hole
	4B1946HD			Sizes Std/0,025/0,25
F20A/F22A/F22B/F22Z6/H23A	4B1936HX			
	4B1936H			Sizes Std/0,025/0,25
F20C/F22C	4B1912HX	5M1913HX		
	4B1912H	5M1913H		Sizes Std/0,025/0,25
	4B1946HDX			With Dowel Hole
	4B1946HD			Sizes Std/0,025/0,25
H22A/H22Z	4B1912HX	5M1957HX(1998 and Newer-55mm)	1T1957(1998 and Newer)	Note:Mains not H22A1/A2 (=5M1937P)
	4B1912H	5M1957H (1998 and Newer-55mm)		Sizes Std/0,025/0,25
	4B1946HDX			With Dowel Hole
	4B1946HD			Sizes Std/0,025/0,25
F23A/F23Z	4B1906HX	5M1957HX	1T1957	Sizes Mains Std/0,025/0,25
	4B1906H	5M1957H		Sizes Rods Std/0,025/0,25/0,50
J32/J35 (3,2L / 3,5L)	6B1995HX	4M1996HX		
	6B1995H	4M1996H		Sizes Std/0,025/0,25
Hyundai				
G4CR/CN/CP/CS	4B1146HX			
	4B1146H			Sizes Std/0,025/0,25
G4KF 2,0T	4B1293HX	5M1295HX		
	4B1293H	5M1295H		Sizes Std/0,025/0,25
3,3/3,5/3,8L V6 G6DA/G6DB/G6DC/G6DG/ G6DH	6B8598HX	4M8599HX		
	6B8598H	4M8599H		Sizes Std/0,025/0,25
Lancia				
HF Integrale 2,0	4B2904HX	5M2908HX		
	4B2904H	5M2908H		Sizes Std/0,025/0,25
Mazda				
B1/B3/B5/Z5-DE		5M8353HX	1T8353	Sizes Std/0,025/0,25/0,50
		5M8353H		
B6/B6-T/BP-T/ZM	4B8351HX	5M8353HX	1T8353	
	4B8351H	5M8353H		Sizes Std/0,025/0,25/0,50
MZR 2,0	4B4390HX	5M8174A		
	4B4390H			Sizes Std/0,025/0,25

▲TOP

ENGINE BEARINGS

Engine Code	Rod	Main	Thrust	Notes
Mazda				
MZR 2,3	4B8170HX	5M8174A		Rod 50MM
	4B8170H			Sizes Std/0,025/0,25
DISI Turbo 2,3	4B8172HX	5M8174A		Rod 52MM
	4B8172H			Sizes Std/0,025/0,25
Mitsubishi				
4G30-37+4G61-62+4G63/4G63T/4G64 '83-92	4B1146HX	5M1144HX		
	4B1146H	5M1144H		Sizes Std/0,025/0,25
4G63/4G63T/4G64 '92-97 (Evo 1-3)	4B1185HX	5M1186HX		With Flange Main
	4B1185H	5M1186H		Sizes Std/0,025/0,25
4G63/4G63T/4G64 '97& Up (Evo 4-9)	4B1185HX	5M1219HX	1T1219	With T/W
	4B1185H	5M1219H		Sizes Std/0,025/0,25
4B11T	4B1236HX	5M1237HX	1T1237	
	4B1236H	5M1237H		Sizes Std/0,025/0,25
4G91/4G92/4G93	4B8036H	5M8037H	1T8037	Sizes Std//0,25
4G94	4B8050HX	5M8037H	1T8037	Sizes Mains Std//0,25
	4B8050H			Sizes Rods Std/0,025/0,25
6G72/6G72T/6G73	6B1140HX	4M1149HX	2T1149	
Nissan				
1,3/1,4/1,6/1,8L Inline 4 L / Z series	4B1171HX	5M1172HX		
	4B1171H	5M1172H		Sizes Std/0,025/0,25
2,0/2,4/2,6/2,8L Inline 6 L / Z series	5B1171HX	7M1172HX		
	5B1171H	7M1172H		Sizes Std/0,025/0,25
CA16DET/CA18DET/CA20E	4B1630HX	5M1633HX		
	4B1630H	5M1633H		Sizes Std/0,025/0,25/0,50
SR20DE/DET(non GTiR)	4B2960HX	5M2964HX	1T2964	Rod 17MM Wide
	4B2960H	5M2964H		Sizes Std/0,025/0,25/0,50
SR20DET(GTiR)	4B2976HX	5M2975HX	1T2964	Rod 19MM Wide
	4B2976H	5M2975H		Sizes Std/0,025/0,25
RB20DE/DET(DOHC)	6B2630HX	7M2394HX		Sizes Mains Std/0,025/0,25/0,50
	6B2630H	7M2394H		Sizes Rods Std/0,025/0,25
KA24DE	4B2746HX	5M2747HX		
	4B2476H	5M2747H		Sizes Std/0,025/0,25
RB25DE/DET	6B2960HX	7M2394HX		
	6B2960H	7M2394H		Sizes Std/0,025/0,25/0,50
VQ25DE(T)/VQ30DE(T)/VQ35DE	6B2640HX	4M2633HX	2T2633	
	6B2640H	4M2633H		Sizes Std/0,025/0,25
RB26DETT	6B2960HX	7M2428HX		
	6B2960H	7M2428H		Sizes Std/0,025/0,25/0,50
RB30/RB30DET	6B2390HX	7M2394HX		
	6B2390H	7M2394H		Sizes Std/0,025/0,25/0,50
VG30DE/VG30DETT	6B2390HX	4M2737HX		
	6B2390H	4M2737H		Sizes Std/0,025/0,25/0,50
TD25/TD27/ZD30/QD32 (Diesel)	4B2966HX	5M2965HX	2T1367	
	4B2966H	5M2965H		Sizes Std/0,025/0,25
VQ35HR/VQ37VHR		1M2505H(0-1-2-3-4)		Graded sizes
		4M2505H		Sizes Std/0,25
VR38DETT	1B2500H(0-1-2)	1M2505H(0-1-2-3-4)	1T2505	Graded sizes per Rod/Main
	6B2500H	4M2505H		Sizes Std/0,25
TB42/TB48	6B2955HX			
	6B2955H			Sizes Std/0,25
TD42 (Diesel)	6B2966HX	7M2965HX	2T1367	
	6B2966H	7M2965H		Sizes Std/0,025/0,25
VK45/VK50/VK56	8B2990HX	5M2995HX	2T2995	
Opel/Vauxhall				
1,2/1,3/1,4/1,6/1,8L Family I engines	4B1350HX			Family I
	4B1350H			Sizes Std/0,025/0,25
1,6/1,8/2,0/2,2L (Family II engines)	4B2322HX	5M2327H		Family II
	4B2322H			Sizes Std/0,025/0,25/0,50
C24NE	87758600	87757600		KS Bearing!
Z28NEL/Z28NET/Z32SE 2,8/3,2L	6B2270HX	4M2273HX		
	6B2270H	4M2273H		Sizes Std/0,025/0,25
P.S.A. (Peugeot/Citroën)				
1,6L EP6/EP6DT/DTS	4B7787HX	5M7788HX		
	4B7787H	5M7788H		Sizes Std/0,025/0,25
TU5J2/TU5J4/TU5JP	4B7712HX	5M2797HX	1T7709(J mod)	
	4B7712H	5M2797H	1T7707(JP mod)	Sizes Std/0,30/0,50

ENGINE BEARINGS

Engine Code	Rod	Main	Thrust	Notes
P.S.A. (Peugeot/Citroën)				
EW7/EW10/EW12/XU7	4B7736H			Sizes Std/0,30
XU9/XU10	4B7700H			Sizes Std/0,25
Porsche				
911/914 2,0/2,2L	6B2452HX			Also for Turbo's
	6B2452H			Sizes Std/0,025/0,25
911/930 2,3/2,7/3,0L ('71-77)	6B2455HX			Housing:56.000-56.019mm/ Shaft:51.971-51.990mm*
	6B2455H			Sizes Std/0,025/0,25
911/930 3,0/3,2L ('78-89)	6B2462HX			Housing: 56.000-56.019mm/ Shaft:52.971-52.990mm*
	6B2462H			Sizes Std/0,025/0,25
911/964/993(M64) 3,6/3,8L ('89-97)	6B2463HX			Housing:58.000-58.019mm/ Shaft:54.971-54.990mm/ Width:17.80
	6B2463H			Sizes Std/0,025/0,25
911/993(M64) 3,6/3,8L ('93-97)	6B2473HX			Housing:58.000-58.019mm/ Shaft:54.971-54.990mm/ Width:14.80
	6B2473H			Sizes Std/0,025/0,25
911/930 3,3L Turbo ('78-89)	6B2463HX			Housing:58.000-58.019mm/ Shaft:54.971-54.990mm/ Width:17.80
	6B2463H			Sizes Std/0,025/0,25
924/928 (for 928 use 2pcs)	4B2475HX			
	4B2475H			Sizes Std/0,025/0,25
Renault				
1,4L 8V 840	4B7906H	5M7909H		Sizes Std
F4R(730)/F5R	4B7820HX*	5M7807HX		
*Also fits 830 F4R,but have a bearing lip!	4B7820H*	5M7807H		Sizes Std/0,25/0,50
F7R /F7P/F3R/F3P	4B7820HX	5M7807HX	1T7807	
	4B7820H	5M7807H		Sizes Std/0,25/0,50
Saab				
B204/B205/B234/B235	4B2010H	5M210H		Sizes Std/0,25
LP9 2,8L V6	6B2270HX	4M2273HX		
	6B2270H	4M2273H		Sizes Std/0,025/0,25
Subaru				
EJ16/EJ18/EJ20/EJ22/EJ25	4B8320HX*	5M8309HX*		48MM Rod Journal/also for Turbo's
	4B8320H*	5M8309H*		Main 5e Position Thrust,Sizes Std/0,025/0,25/0,50
		5M8309HOS2*		+.002" OD
		5M8309HOS5*		+.005" OD
EJ16/EJ18/EJ20/EJ22/EJ25	4B8296HX*	5M8297HX*		52MM Rod Journal/also for Turbo's
	4B8296H*	5M8297H*		Main 3e Position Thrust,Sizes Std/0,025/0,25/0,50
***Fase 1 '92-96 = 48Mm Rod+ 3e Pos.Thrust/*Fase 1,5 '97-98 = 52Mm Rod+ 3e Pos.Thrust/*Fase 2 '99-11 = 52Mm Rod+ 5e Pos.Thrust**				
FA20/FA20DIT/FA20E/FA20F	4B8310HX	5M8312HX		
	4B8310H	5M8312H		Sizes Std/0,025/0,25
		5M8312HOS2		+.002" OD
		5M8312HOS5		+.005" OD
FB20/FB25	4B8325HX	4B8325HX		
	4B8325H	4B8325H		Sizes Std/0,025/0,25
Suzuki				
G13A/G13B/G13K	4B8336HX	5M8337HX	1T8337	
	4B8336H	5M8337H		Sizes Std/0,25/0,50
M16A	4B8440HX	5M8443HX		
	4B8440H	5M8443H		Sizes Std/0,025/0,25
Suzuki (Motor Cycles)				
GSXR1000	4B8430HX			
	4B8430H			Sizes Std/0,025/0,25
GSXR1300(Hayabusa)	4B8431HX	5M8434HX		
	4B8431H	5M8434H		Sizes Std/0,025/0,25
Toyota				
4AG/4AGE/4AG-ZE(1,6L)	4B1780HX	5M1695HX	2T1695	Rod for 42mm shaft/45mm house
	4B1780H	5M1695H		Sizes Std/0,025/0,25/0,50
2ZZ-GE(1,8L)	4B1856HX	5M1857HX		
	4B1856H	5M1857H		Sizes Std/0,025/0,25

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ENGINE BEARINGS

Engine Code	Rod	Main	Thrust	Notes
Toyota				
4U-GSE(2,0L)	4B8310HX	5M8312HX		
	4B8310H	5M8312H		Sizes Std/0,025/0,25
		5M8312HOS2		+.002" OD
		5M8312HOS5		+.005" OD
3S-GE/3S-GTE(2,0L)	4B8366HX	5M8361HX	2T1689	
	4B8366H	5M8361H		Sizes Std/0,025/0,25/0,50
2AZ-FE(2,4L)	4B8411HX	5M8412HX	1T8412	
	4B8411H	5M8412H		Sizes Std/0,025/0,25
1RZ/2RZ/3RZ(2,7L)	4B8376HX	5M8378HX	2T8377	
	4B8376H	5M8378H		Sizes Std/0,025/0,25
1JZ-GE/1JZ-GTE/2JZ-GE/2JZ-GTE(3,0L V6)	6B8100HX	7M8103HX	2T8103	
	6B8100H	7M8103H		Sizes Std/0,025/0,25
2GR-FE(3,5L V6)	6B8466HX	4M8468HX	2T8468	
	6B8466H	4M8468H		Sizes Std/0,025/0,25
1GR-FE(4,0L V6)	6B8262HX	4M8263HX	2T8263	
	6B8262H	4M8263H		Sizes Std/0,025/0,25
1UZ-FE(4,0L V8)	8B8091HX	5M8088HX	2T8092	
	8B8091H	5M8088H		Sizes Std/0,025/0,25/0,50
1HZ (Diesel)(4,2L)	6B8396HX	7M8397HX	2T8397	
	6B8396H	7M8397H		Sizes Std/0,025/0,25
3UZ-FE/2UZ-FE(4,3L/4,7L V8)	8B8091HX	5M8088HX	2T8092	
	8B8091H	5M8088H		Sizes Std/0,025/0,25/0,50
1FZ-FE(4,5L V6)	6B7990HX	7M7989HX		
	6B7990H	7M7989H		Sizes Std/0,025/0,25/0,50
1UR-FE/2UR-FSE/3UR-FE (4,6L/5,0L/5,7L V8)	8B8630HX	5M8637HX		
	8B8630H	5M8637H		Sizes Std/0,025/0,25
VAG (Audi/VW/Škoda/Seat)				
1595/1781/1984/1998CC	4B1606HX /1B1606HX	5M1644HX	2T1644	Also for Turbo's
	4B1606H/1B1606H	5M1644H		Sizes Std/0,025/0,25/0,50
1,8/2,0L TFSI	4B1609HX /1B1609HX			No oil hole + no Notch
	4B1609H/1B1609H			Sizes Std/0,025/0,25
1,4L TSI/2,0L FSI(CCTA-EA888) RS3/RSQ3	4B5562HX	5M5563HX (CCTA only)		
	4B5562H	5M5563H (CCTA only)		Sizes Std/0,025/0,25
2,5L TTRS (CEPA/CEPB)	1B5562HX (5x)	6M5563HX		
	1B5562H (5x)	6M5563H		Sizes Std/0,025/0,25
2,8/2,9/3,2/3,6L VR6/R32/R36	6B5530HX	7M5532HX	2T5532	
	6B5530H	7M5532H		Sizes Std/0,025/0,25
Volvo				
B200/B204/B230/B234	4B2726H			Sizes Std.
B18U/B20F/D4192T/D4192T2	4B7820HX	5M7807HX		
	4B7820H	5M7807H		Sizes Std/0,025/0,25
B17 2K / B18E/ED/EP/F/FP/FT/FTM/K/KD/KP/ KDP		5M7807HX		
		5M7807H		Sizes Std/0,025/0,25

Note: HX range has a 0,025mm Extra clearance



ENGINE BEARINGS

Engine Code	Rod	Notes	Main	Notes	Thrust
Alfa Romeo					
1.6L 8V - 105	CR4595XP		MB 511XP		-
2.0L 8V - 06224	CR4595XP		MB 511XP		TW 238AM
BMW/MINI					
1.6L 8V - M40B16	CR4042XP		MB5082XP		-
1.6L 8V - M43B16	CR4042XP		MB5082XP		-
1.6L 16V - W11B16 (TRITEC)	CR4600XP		-		-
1.6L 16V - N12/N14B16 (PRINCE)	CR4633XP		MB5758XP		-
1.6L 16V - N18B16 (PRINCE)	CR4633XP		MB5758XP		-
1.8L 8V - M40B18	CR4042XP		MB5082XP		-
1.8L 16V - M42B18	CR4042XP		MB5082XP		-
1.8L 8V - M43B18	CR4042XP		MB5082XP		-
1.9L 8V - M43B19	CR4042XP		MB5082XP		-
1.9L 16V - M44B19	CR4042XP		MB5082XP		-
2.3L 16V - S14B23	CR4596XP		-		-
2.5L 12V - M20B20	CR6640XP		MB7039XP		-
	CR6640XPC		MB7039XPC		
2.5L 12V - M20B25	CR6640XP		MB7039XP		-
	CR6640XPC		MB7039XPC		
2.5L 24V - M50B20	CR6640XP		MB7039XP		-
	CR6640XPC		MB7039XPC		
2.5L 24V - M50B25	CR6640XP		MB7039XP		-
	CR6640XPC		MB7039XPC		
2.8L 24V - M52B28	CR6640XP		MB7039XP		-
	CR6640XPC		MB7039XPC		
3.0L 24V - M54B30	CR6640XP		MB7039XP		-
	CR6640XPC		MB7039XPC		
3.0L 24V - S50B30 (EUR)	CR6854XP		MB7039XP		-
			MB7039XPC		
3.0L 24V - S50B30 (US)	CR6640XP		MB7039XP		-
	CR6640XPC		MB7039XPC		
3.2L 24V - S50B32	CR6853XP		MB7039XP		-
			MB7039XPC		
3.0L 24V - S52B32	CR6640XP		MB7039XP		-
	CR6640XPC		MB7039XPC		
3.2L 24V - S54B32	CR6877XP		MB7039XP		-
			MB7039XPC		
4.0L 32V - S65B40	-		MB5803XP		-
5.0L 40V - S85B50	-		MB 637XP		-
Fiat/Lancia					
1.4L 8V Turbo - 146	CR4099XP		-		TW 105AM
1.4L 8V Turbo - 176	CR4601XP		MB5730XP		TW 113AM
2.0L 8V/16V - HF Integrale	CR4601XP		MB5730XP		-
Ford					
1.6L 16V Eco Boost - HXJA	CR4365XP		MB5009XP		-
1.6L 8V Kent/Twin Cam - 116E	CR 410XP		MB 512XP		-
2.0L 16V - YB	CR4440XP		MB5672XP		-
2.0L 16V - Duratec	CR4515XP	47mm Journal	MB5442XP		-
2.0L 16V - EcoBoost	CR4604XP	52mm Journal	MB5442XP		-
2.3L 16V - Duratec	CR4507XP	50mm Journal	MB5442XP		-
2.3L 16V - DISI	CR4504XP	52mm Journal	MB5442XP		-
2.3L 16V - EcoBoost	CR4604XP	52mm Journal	MB5442XP		-
2.5L 20V - HYDA	CR 509XP		MB 612XP		-
3.5L 24V - EcoBoost	CR6895XP		MB4549XP		-
Honda					
1.6L 16V - B16A	CR 439XP	45x48x19.5	MB5259XP		TW 140AM
	CR 439XPC		MB5259XPC		
	CR 439XPD				
	CR 439XPDC				
1.6L 16V - D16A6/Y7/Y8/Z6	CR4046XP	45x48x18.5	MB5568XP		TW 140AM
	CR4046XPC				
1.7L 16V - B17A1	CR 439XP		MB5259XP		TW 140AM
	CR 439XPC		MB5259XPC		
	CR 439XPD				
	CR 439XPDC				
1.8L 16V - B18A1/B1	CR 439XP		MB5259XP		TW 140AM
	CR 439XPC		MB5259XPC		

ENGINE BEARINGS

Engine Code	Rod	Notes	Main	Notes	Thrust
Honda					
	CR 439XPD				
	CR 439XPDC				
1.8L 16V - B18C1/C5	CR4287XP		MB5259XP		TW 140AM
	CR4287XPD		MB5259XPC		
	CR4287XPDC				
2.0L 16V - B20A3	CR 439XP		MB5568XP		TW 140AM
	CR 439XPC		MB5259XPC		
	CR 439XPD				
	CR 439XPDC				
2.0L 16V - B20A5	CR4033XP		MB5568XP		TW 140AM
2.0L 16V - B20B3/B8	CR 439XP		MB5259XP		TW 140AM
	CR 439XPC		MB5259XPC		
	CR 439XPD				
	CR 439XPDC				
2.0L 16V - F20C	CR4033XP		MB5673XP		TW 140AM
2.0L 16V - K20A2/Z1	CR4542XP		MB5259XP		TW 140AM
	CR4542XPC		MB5259XPC		
	CR4542XPD				
	CR4542XPDC				
2.0L 16V - K20A3	CR4541XP		MB5259XP		TW 140AM
			MB5259XPC		
2.1L 16V - B21A1	CR4033XP		MB5568XP		TW 140AM
2.2L 16V - F22A/B	CR4033XP		MB5168XP	For 50mm journal	TW 152AM
2.2L 16V - F22C	CR4033XP		MB5673XP		TW 140AM
2.2L 16V - H22A1	CR4033XP		MB5168XP	For 50mm journal	TW 152AM
2.2L 16V - H22A4	CR4033XP		MB5568XP		TW 152AM
2.2L 16V - H22Z	CR4033XP		MB5568XP		TW 140AM
2.3L 16V - H23	CR4033XP		MB5168XP	For 50mm journal	TW 152AM
2.4L 16V - K24	CR4542XP		MB5259XP		TW 140AM
	CR4542XPC		MB5259XPC		
	CR4542XPD				
	CR4542XPDC				
2.4L 16V - K24Z1	CR4542XP		MB5259XP		TW 140AM
	CR4542XPC		MB5259XPC		
	CR4542XPD				
	CR4542XPDC				
Hyundai					
2.0L 16V Theta 2- G4KF	CR4668XP		MB5771XP		-
Lamborghini					
5.0L 40V FSI V10 - BUJ	CR 227XP	Pair of 2	MB1322XP		-
	CR 227XPC	Pair of 2	MB1322XPC		
5.2L 40V FSI V10 - BUJ	CR 227XP	Pair of 2	MB1322XP		-
	CR 227XPC	Pair of	MB1322XPC		
Lotus					
1.8L 16V - 2ZZ-GE	CR4608XP		MB5375XP		TW 185AM
Mazda					
1.8L 16V - BP	CR4002XP		MB5304XP		TW 133AM
1.8L 16V - BP-4W	CR4002XP		MB5304XP		TW 133AM
2.0L 16V MZR DISI - LF	CR4515XP	For 47mm journal	MB5442XP		-
2.3L 16V MZR DISI - L3-VDT	CR4604XP	For 52mm journal	MB5442XP		-
2.3L 16V MZR - L3-VE	CR4507XP	For 50mm journal	MB5442XP		-
Mitsubishi					
1.8L 16V - 4G93	CR4119XP		MB5176XP		TW 143AM
2.0L 16V - 4G63 (->'92)	CR4120XP		MB5227XP		-
2.0L 16V - 4G63 ('93->)	CR4120XP		MB5209XP	With flanged main brg	-
	CR4120XP		MB5315XP		TW 173AM
2.0L 16V - 4B11T	CR4586XP		MB5722XP		TW1029AM
2.0L 16V - 4G94	CR4607XP		MB5176XP		-
2.4L 16V - 4G64 ('92->)	CR4120XP		MB5209XP	With flanged main brg	-
	CR4120XP		MB5315XP		TW 173AM
2.4L 16V - 4G64 ('97-07)	CR4120XP		MB5315XP		TW 173AM
Nissan					
1.6L 16V- CA16DE	CR 407XP		MB5232XP		-
1.8L 16V - CA18DET	CR 407XP		MB5232XP		-
2.0L 16V - SR20DE	CR4136XP		MB5243XP		TW 139AM

ENGINE BEARINGS

Engine Code	Rod	Notes	Main	Notes	Thrust
Nissan					
	CR4136XPC		MB5243XPC		
2.0L 16V - SR20DET	CR4136XP		MB5243XP		-
	CR4136XPC		MB5243XPC		
2.0L 16V - SR20DET (GTI-R)	CR4587XP		MB5721XP		TW 139AM
2.4L 16V - KA24DE	CR4065XP		MB5595XP		-
2.5L 24V - RB25DET	CR6697XP		MB7008XP		-
	CR6697XPC		MB7008XPC		
2.6L 24V - RB26DETT	CR6697XP		MB7092XP		-
	CR6697XPC		MB7092XPC		
3.0L 24V - VG30DETT	CR6676XP		MB4104XP		-
3.5L 24V - VQ35DE	CR6775XP		MB4058XP		TW 271AM
3.5L 24V - VQ35HR	CR6897XP		MB4524XP		TW 271AM
			MB4524XPC		
3.7L 24V - VQ37HR	CR6897XP		MB4524XP		TW1042AM
			MB4524XPC		
3.8L 24V - VR38DETT	CR6870XPN		MB4524XP		TW1042AM
	CR6870XPNC		MB4524XPC		
Opel/Vauxhall					
2.0L 16V - C20XE	CR4017XP		MB5179XP		-
	CR4017XPC		MB5179XPC		
2.0L 16V - C20LET	CR4017XP		MB5179XP		-
	CR4017XPC		MB5179XPC		
2.0L 16V - X20SE	CR4017XP		MB5179XP		-
	CR4017XPC		MB5179XPC		
2.0L 16V - LNF	CR4363XP		-		-
	CR4363XPC				
2.0L 16V Ecotec - LSJ	CR4363XP		-		-
	CR4363XPC				
2.0L 8V CIH	CR 407XP		-		-
2.2L 16V Ecotec -L61/Z22SE	CR4363XP		-		-
	CR4363XPC				
Porsche					
2.0L 12V - 901	CR6855XP		-		-
2.2L 12V - 911	CR6855XP		-		-
PSA					
1.6L 8V - XU5J2	CR4493XP		MB5729XP		-
1.6L 16V - TU5J4/JP4	CR4493XP		MB5729XP		-
1.6L 16V Prince - EP6	CR4633XP		MB5758XP		-
1.9L 8V - XU9JA	CR4602XP		-		TW 246AM
2.0L 16V - EW10J4	CR4603XP		-		-
2.0L 16V - XU10J4	CR4602XP		-		-
2.0L 16V - XU9J4	CR4602XP		-		TW 246AM
2.0L 16V RS - EW10J4	CR4603XP		-		TW1040AM
Renault					
1.8L 16V - F7P	CR4019XP		MB5180XP		-
2.0L 16V - F7R	CR4019XP		MB5180XP		-
Saab					
2.0L 16V - B202L	CR4606XP		-		-
2.0L 16V - B204/B206	CR4606XP		-		-
2.0L 16V - B235R/E	CR4606XP		-		-
2.0L 16V - BZ20	CR4606XP		-		-
2.3L 16V - B234	CR4606XP		-		-
Subaru					
2.0L 16V - EJ20	CR4125XPG	For 52mm journal	MB5382XPG	Flange in position 5	-
	CR4125XPGC	For 52mm journal	MB5382XPGC	Flange in position 5	
			MB5739XPG	Housing bore +.002"	
			MB5740XPG	Housing bore +.005"	
	CR4280XP	For 48mm journal	MB5220XP	Flange in position 3	-
2.0L 16V - FA20	CR4616XPG		MB5745XPG		-
	CR4616XPGC		MB5745XPGC		
2.2L 16V - EJ22	CR4125XPG	For 52mm journal	MB5382XPG	Flange in position 5	-
	CR4125XPGC	For 52mm journal	MB5382XPGC	Flange in position 5	
			MB5739XPG	Housing bore +.002"	
			MB5740XPG	Housing bore +.005"	
	CR4280XP	For 48mm journal	MB5220XP	Flange in position 3	-

ENGINE BEARINGS

Engine Code	Rod	Notes	Main	Notes	Thrust
Subaru					
2.5L 16V - EJ257	CR4125XPG	For 52mm journal	MB5382XPG	Flange in position 5	-
	CR4125XPGC	For 52mm journal	MB5382XPGC	Flange in position 5	
			MB5739XPG	Housing bore +.002"	
			MB5740XPG	Housing bore +.005"	
	CR4280XP	For 48mm journal	MB5220XP	Flange in position 3	-
Suzuki					
1.3L 16V - G13B	CR4605XP		MB5731XP		TW 134AM
1.6L 16V - M16A	CR4594XP		MB5727XP		-
Toyota					
1.6L 16V - 4A-G	CR4032XP		MB5527XP		TW 231AM
1.8L 16V - 2ZZ-GE	CR4608XP		MB5375XP		TW 231AM
2.0L 16V - 3S-GE	CR4209XP		MB5554XP		TW 226AM
	CR4209XPC		MB5554XPC		
2.0L 16V - 3S-GTE	CR4209XP		MB5554XP		TW 226AM
	CR4209XPC		MB5554XPC		
2.0L 16V - 4U-GSE	CR4616XPG		MB5745XPG		-
	CR4616XPGC		MB5745XPGC		
2.0L 8V - 1RZ	CR4219XP		MB5089XP		TW 285AM
2.2L 16V - 5S-FE	-		MB5554XP		TW 226AM
			MB5554XPC		
2.4L 16V - 2RZ-FE	CR4219XP		MB5089XP		TW 285AM
2.4L 16V - 2TZ-FE	CR4219XP		MB5089XP		TW 285AM
2.4L 16V - 2RZ-FE	CR4219XP		MB5089XP		TW 285AM
2.5L 24V - 1JZ-GTE	CR6754XP		MB7084XP		TW 284AM
	CR6754XPC		MB7084XPC		
2.7L 16V - 3RZ-FE	CR4219XP		MB5089XP		TW 285AM
3.0L 24V - 2JZ-GTE	CR6754XP		MB7084XP		TW 284AM
	CR6754XPC		MB7084XPC		
	CR6754XPDC				
4.5L 24V - 1FZ-FE	CR6727XP		MB7049XP		-
VAG (Volkswagen Group)					
1.8L 8V - GX/HT/RP/RG	CR4104XP		MB5566XP		TW2010AM
1.8L 16V - KR/PL	CR4104XP		MB5566XP		TW2010AM
1.8L 20V - AWM	CR4104XP		MB5566XP		TW2010AM
2.0L 16V - ABA/9A/ABF	CR4104XP		MB5566XP		TW2010AM
2.0L 16V TSI - EA888	-		MB5661XP		-
2.0L 16V TFSI - EA113	-		MB5661XP		-
2.0L 16V TSI - EA888	CR4597XP		MB5661XP		-
2.2L 20V - 3B/AAN/ADU	-		MB 605XP		TW2009AM
2.2L 20V - AAN/ADU	-		MB 605XP		TW2009AM
2.3L 10V - AGZ	CR6764XP		MB7089XP		-
2.3L 20V - AQN	CR6764XP		MB7089XP		-
2.3L 20V - 7A	CR 505XP		MB 605XP		TW2009AM
2.8L 12V - AAA	CR6764XP		MB7089XP		-
2.8L 24V - AUE	CR6764XP		MB7089XP		-
2.9L 12V - ABV	CR6764XP		MB7089XP		-
3.2L 24V - BFH	CR6764XP		MB7089XP		-
3.6L 24V - BLV	CR6764XP		MB7089XP		-
4.2L 32V FSI V8 - CNDA	CR 227XP	Pair of 2	MB1322XP	Pair of 1	-
	CR 227XPC	Pair of 2	MB1322XPC	Pair of 1	
5.2L 40V FSI V10 - BUJ	CR 227XP	Pair of 2	MB1322XP		-
	CR 227XPC	Pair of 2	MB1322XPC		
Volvo					
2.0L 8V - B200	CR4599XP		-		-
2.0L 16V - B204	CR4599XP		-		-
2.3L 8V - B230	CR4599XP		-		-
2.3L 16V - B234F	CR4599XP		-		-
2.3L 20V - B5234T	-		MB 612XP		-
2.5L 20V - B5254	-		MB 612XP		-

Available Sizes (for most bearings)
Metric: STD / 0.026 / 0.25 / 0.50 / STDX
Inches: STD / .001" / .010" / .020" / STDX

Material Main & Rod Bearings
XP: Trimetal Copper-lead
XPC: Polymer Coated Bearings
XPD: Dowel Hole

Material Thrust Washers
AM: Aluminum Based Material

CYLINDER SLEEVES

Darton Cylinder Sleeves

Model	Type	Part#	Bore (mm)	O.D. (mm)	O.D.2 (mm)	Wall (mm)	Length (mm)	Flange Thick (mm)	Flange Dia (mm)	Flats (mm)	Flange	Note
BMW/Mini												
1,6L 16V Prince - N12B16A / N14B16A	MID Sleeve	800-800	76,71	90,17	-	4,42	133,99	7,62	105,92	-	Flange	77,00mm to 77,50mm MAX
3,2L 24V - S54B32 (E46 M3)	Dry Sleeve	200-023	85,34	89,41	88,72	2,03	146,05	-	-		No Flange	-
Chrysler/Dodge												
2,4L 16V SRT-4 - A853	MID Sleeve	800-180	85,60	97,79		6,10	139,07	10,16	117,48	-	Flange	86,00mm to 90,00mm MAX
Ford												
2,3L 16V Duratec - SEWA/DESI	MID Sleeve	700-100	87,25	100,33	-	5,16	139,70	10,16	122,56	-	Flange	LONG - 87,00mm to 90,00mm MAX
2,3L 16V Duratec - SEWA/DESI (Long Sleeve)	MID Sleeve	700-100-L	87,25	100,33	-	5,16	146,05	10,16	122,56	-	Flange	87,00mm to 90,00mm MAX
2,3L 16V Eco Boost - YVDA	MID Sleeve	700-130	86,36	100,33	-	6,99	146,05	10,16	122,94	-	Flange	87,00mm to 90,00mm MAX
2,5L 20V Duratec RS - HUBA/JZDA	MID Sleeve	800-550	82,80	95,25	-	6,22	137,16	10,16	113,54	-	Flange	83,00mm to 85,00mm MAX
Honda												
1,6L 16V - B16A	Dry Sleeve	200-012	80,77	88,01	-	3,62	123,44	-	-	-	No Flange	-
1,6L 16V - B16A	Dry Sleeve	300-012	-	88,27	-	3,76	133,35	9,53	90,93		Flange	
1,6L 16V - B16A	MID Sleeve	400-110-P	80,77	95,25	-	7,24	133,35	12,70	117,50	-	Flange	81,00mm to 85,00mm MAX
1,6L 16V - B16A	MID Sleeve	400-120-P	83,77	95,25	-	5,74	133,35	12,70	117,50	-	Flange	84,00mm to 85,00mm MAX
1,6L 16V - B16A	MID Sleeve	400-170	85,73	95,25	-	4,78	133,35	12,70	117,50	-	Flange	86,00mm to 87,00mm MAX
1,6L 16V - D16A6 / D16Z6 / D16Y7 / D16Y8	Dry Sleeve	200-010	74,68	82,17	-	3,75	129,79	-	-	-	No Flange	-
1,6L 16V - D16A6 / D16Z6 / D16Y7 / D16Y8	Dry Sleeve	300-010	74,68	82,55	-	3,94	137,16	9,53	84,84	-	Flange	-
1,6L 16V - D16A6 / D16Z6 / D16Y7 / D16Y8	MID Sleeve	400-100	74,68	86,36	-	5,84	138,43	12,70	109,88	-	Flange	75,00mm to 78,00mm MAX
1,7L 16V - D17	Dry Sleeve	300-011	74,68	82,55	-	3,94	133,99	9,53	84,84	-	Flange	-
1,8L 16V - B18A1 / B18C1 / B18C5 / B18B1 / B18LS (A1/B1 with B16A VTEC Head)	Dry Sleeve	200-014	80,77	88,01	-	3,62	129,79	-	-	-	No Flange	-
1,8L 16V - B18A1 / B18C1 / B18C5 / B18B1 / B18LS (A1/B1 with B16A VTEC Head)	Dry Sleeve	300-014	80,77	88,27	-	3,75	139,70	9,53	90,93	-	Flange	-
1,8L 16V - B18A1 / B18C1 / B18C5 / B18B1 / B18LS (A1/B1 with B16A VTEC Head)	MID Sleeve	400-130-P	80,77	95,25	-	7,24	139,70	12,70	117,50	-	Flange	81,00mm to 85,00mm MAX
1,8L 16V - B18A1 / B18C1 / B18C5 / B18B1 / B18LS (A1/B1 with B16A VTEC Head) TOP FUEL	MID Sleeve	400-140-P	83,77	95,25	-	7,24	139,70	12,70	117,50	-	Flange	84,00mm to 85,00mm MAX
1,8L 16V - B18A1 / B18C1 / B18C5 / B18B1 / B18LS (A1/B1 with B16A VTEC Head)	MID Sleeve	400-180	85,73	95,25	-	4,78	139,70	12,70	117,50	-	Flange	86,00mm to 87,00mm MAX
2,0L 16V - K20	Dry Sleeve	300-019	85,60	92,71	-	3,56	132,08	9,53	95,25	-	Flange	-
2,0L 16V - K20	MID Sleeve	400-190-P	85,73	96,52	-	5,41	132,08	12,70	122,58	-	Flange	86,00mm to 90,00mm MAX
2,0L 16V - F20C + 2,2L 16V - F22C / 2,4L 16V - K24	Dry Sleeve	300-020	86,61	92,71	-	3,05	148,59	9,53	95,25	-	Flange	-
2,0L 16V - F20C + 2,2L 16V - F22C + 2,4L 16V - K24	MID Sleeve	400-220-P	86,74	97,79	-	5,51	147,32	12,70	122,58	-	Flange	87,00mm to 90,00mm MAX
2,2L 16V - F22A	Dry Sleeve	200-016	84,58	92,46	-	3,94	140,21	-	-	-	No Flange	-
2,2L 16V - F22A	Dry Sleeve	300-016	84,71	92,71	-	4,00	139,70	9,53	95,25	-	Flange	-
2,2L 16V - F22A	MID Sleeve	400-150	84,79	97,79	-	6,50	147,32	12,70	122,58	-	Flange	85,00mm to 90,00mm MAX
2,2L 16V - H22 + 2,3L 16V - H23	Dry Sleeve	200-018	86,61	92,46	-	2,92	140,21	-	-	-	No Flange	-
2,2L 16V - H22 + 2,3L 16V - H23	Dry Sleeve	300-018	86,74	92,71	-	2,98	139,70	9,53	95,25	-	Flange	-
2,2L 16V - H22 + 2,3L 16V - H23	MID Sleeve	400-160-P	86,74	97,79	-	5,51	147,32	12,70	122,58	-	Flange	87,00mm to 90,00mm MAX
2,4L 16V - K24	MID Sleeve	400-200-P	86,74	100,33	-	5,51	147,32	12,70	122,58	-	Flange	87,00mm to 90,00mm MAX
3,0L 24V - C30A + 3,2L 24V - C32B	MID Sleeve	400-210	92,58	105,66	-	6,53	124,46	12,70	123,19	-	Flange	93,00mm to 94,00mm MAX
3,5L 24V - J35	MID Sleeve	400-230	88,65	100,84	-	5,84	139,07	10,16	125,73	-	Flange	89,00mm to 90,00mm MAX
Hyundai												
2,0L 16V Theta 2- G4KF	MID Sleeve	800-170-P	85,60	97,79	-	6,10	139,07	10,16	117,48	-	Flange	86,00mm to 90,00mm MAX
Mazda												
2,3L 16V MZR -L3-VE /L3-DE /L3-N5 + 2,3L 16V DISI -L3-VDT / DISI -L3-N9	Dry Sleeve	300-051	86,74	92,71	-	2,98	139,70	9,53	95,25	-	Flange	-
2,5L 16V MZR	Dry Sleeve	300-052	86,61	92,71	-	3,05	148,59	9,53	95,25	-	Flange	-
Mercedes												
5,4L 24V (E55 AMG)	MID Sleeve	900-600	96,65	109,22	-	6,27	131,45	10,16	125,73	-	Flange	97,00mm to 100,00mm MAX
Mitsubishi												
2,0L 16V - 4G63	Dry Sleeve	300-050-SF/DF	84,79	88,39	88,14	1,80	149,23	3,35	94,72	92,91 (Single+Double)	Flange	85,00mm to 86,00mm
2,0L 16V - 4B11-T	MID Sleeve	800-160	85,60	97,79	-	6,10	139,07	10,16	117,48	-	Flange	86,00mm to 90,00mm MAX
Nissan												
2,0L 16V - SR20 / SR20DET	Dry Sleeve	300-035-SF/DF	85,60	95,28	94,28	4,83	135,51	5,08	99,57	96,98 (Single+Double)	Flange	86,00mm to 90,00mm
2,5L 16V - QR25DE	MID Sleeve	800-240	88,65	100,33	-	5,84	150,50	10,16	125,73	-	Flange	89,00mm to 90,00mm MAX
2,6L 24V - RB26DETT	Dry Sleeve	300-034-A-SF/DF	84,96	90,96	89,92	3,00	116,84	4,45	97,99	96,47 (Single+Double)	Flange	85,50mm to 87,00mm
3,0L 24V - RB30DE / RB30DET	Dry Sleeve	300-036-SF/DF	84,96	92,48	91,44	3,76	144,78	4,45	97,99	96,47 (Single+Double)	Flange	85,50mm to 87,50mm
3,5L 24V - VQ35DE	MID Sleeve	800-200	94,49	113,03	-	9,27	128,27	10,16	128,52	-	Flange	95,00mm to 100,00mm MAX
3,5L 24V - VQ35/37HR	MID Sleeve	800-210	94,49	113,03	-	9,27	128,27	10,16	128,52	-	Flange	95,00mm to 100,00mm MAX
3,8L 24V - VR38DETT	Dry Sleeve	300-038	95,12	100,84	100,79	2,84	139,70	5,84	106,93	-	Flange	95,50mm to 96,00mm
3,8L 24V - VR38DETT	MID Sleeve	800-215-D	95,25	113,03	-	8,89	139,70	10,16	128,52	-	Flange	95,00mm to 100,00mm MAX
Opel												
2,0L 16V Ecotec -LSJ + 2,2L 16V Ecotec - Z22SE /L61	MID Sleeve	500-100	85,60	99,06	-	6,73	142,24	12,70	122,58	-	Flange	86,00mm to 90,00mm MAX
Porsche												
2,5L 8V - M44,01-10 / M44,50-52 + 2,5L 16V - M44,40	MID Sleeve	800-420	101,22	120,4	-	9,58	143,51	10,16	137,19	-	Flange	101,60mm to 104mm MAX
3,0L 16V - M44,41 / M44,43 / M44,44	MID Sleeve	800-400	101,22	120,4	-	9,58	143,51	10,16	137,19	-	Flange	101,60mm to 106mm MAX
3,6L 24V - M96 (996 - Oversize for 996) + 3,8L 24V - M97 (997)	Wet Sleeve	300-996	99,70	109,98	106,86	5,13	120,27	5,49	118,75	117,78	Flange	100,00 - 102,50mm MAX

▲TOP

CYLINDER SLEEVES

Darton Cylinder Sleeves

CYLINDER SLEEVES

Darton Cylinder Sleeves

Model	Type	Part#	Bore (mm)	O.D. (mm)	O.D.2 (mm)	Wall (mm)	Length (mm)	Flange Thick (mm)	Flange Dia (mm)	Flats (mm)	Flange	Note
Subaru												
2,0L 16V - EJ20	Dry Sleeve	300-029	91,57	104,17	103,17	6,30	121,92	8,89	111,76	-	Flange	92,00mm to 96,00mm
2,0L 16V - FA20	MID Sleeve	800-890	85,73	101,6	-	7,92	124,46	8,89	132,03	-	Flange	86,00mm to 90,00mm MAX
2,2L 16V - EJ22	Dry Sleeve	300-030	96,77	106,71	105,71	4,98	121,92	8,89	111,76	-	Flange	97,00mm to 100,00mm
2,5L 16V - EJ25 SOHC/DOHC	Dry Sleeve	300-031-3	98,81	107,95	106,68	4,57	121,92	12,70	116,84	56,46	Flange	99,50mm to 102,00mm
3,0L 24V - EZ30	Dry Sleeve	300-028-SF/DF	88,77	96,52	96,14	3,86	125,10	8,89	104,14	98,35 (Single+Double)	Flange	89,00mm to 92,00mm
3,3L 24V - EG33	Dry Sleeve	300-033	96,77	106,71	105,71	4,98	121,92	8,89	111,76	-	Flange	97,00mm to 100,00mm
Toyota/Lexus												
1,8L 16V - 1ZZ-FE	Dry Sleeve	300-041-SF/DF	78,49	85,88	85,12	3,71	137,16	7,62	91,44	87,43 (Single+Double)	Flange	79,00mm to 82,00mm
1,8L 16V - 2ZZ-GE	Dry Sleeve	300-042-1-SF/DF	81,28	85,88	85,12	2,31	132,08	7,62	91,44	87,43 (Single+Double)	Flange	-
2,4L 16V - 2AZ-FE	MID Sleeve	800-600	88,01	100,97	-	6,48	146,81	10,16	122,94	-	Flange	88,50mm to 90,00mm MAX
3,0L 24V - 2JZ-GTE	Dry Sleeve	300-055-SF/DF	84,46	90,42	90,17	2,97	142,24	31,75	96,52	92,96 (Single+Double)	Flange	85,00mm to 87,00mm
3,5L 24V - 2GR V6	MID Sleeve	900-500	93,73	107,95	-	7,11	130,81	10,16	125,98	-	Flange	94,00mm to 97,00mm MAX
4,0L 24V - 1GR V6 (Tacoma)	MID Sleeve	900-400	93,73	107,95	-	7,11	142,24	10,16	125,98	-	Flange	94,00mm to 98,00mm MAX
5,0L 32V - 2UR (V8 IS-F)	MID Sleeve	900-200	93,73	108,97	-	7,62	133,35	10,16	131,06	-	Flange	94,00mm to 100,00mm MAX
5,7L 32V - 3UR-FE (Tundra)	MID Sleeve	900-300	93,73	108,97	-	7,62	148,59	10,16	131,06	-	Flange	94,00mm to 100,00mm MAX
Volvo												
1,9L 16V - B4194T (S40 T4)	MID Sleeve	800-552	82,80	95,25	-	6,22	137,16	10,16	113,54	-	Flange	83,00mm to 85,00mm MAX
2,3L 20V - B5234T3 (S60)	MID Sleeve	800-555	81,79	95,25	-	6,22	137,16	10,16	113,54	-	Flange	81,00mm to 85,00mm MAX
2,5L 20V - B5254T4 (S60R)	MID Sleeve	800-550	82,80	95,25	-	6,22	137,16	10,16	113,54	-	Flange	83,00mm to 85,00mm MAX
2,8L 24V - B6284 + 2,9L - B6294/B6304 (S80 T6)	MID Sleeve	800-551	82,80	95,25	-	6,22	137,16	10,16	113,54	-	Flange	83,00mm to 85,00mm MAX





CYLINDER SLEEVES

Darton Cylinder Sleeves

CYLINDERS

Mahle Cylinders Porsche

Engine	Part#	Bore	Note
2.0L - 901	503WR1800	80.00	
2.2L - 911	503WR1900	84.00	
2.4L - 911	503WR1900	84.00	
2.7L - 911	503WR2400	90.00	
3.0L - 930	503WR2700	95.00	
3.2L - 930	503WR2800	95.00	
3.3L - 930/M30	503WR2000	97.00	
3.6L - M64	503WR4500	100.00	

Mahle Motorsport Cylinders Porsche

Engine	Part#	Bore	Note
2.4L to 2.5L - 911	PC86-002	86.70	Long Stroke 70.40mm
3.0L to 3.2L - 930	PC98-001	98.00	
3.2L to 3.4L - 930	PC98-001	98.00	
3.3L to 3.4L - 930/M30	PC98-001	98.00	
3.6L to 3.8L - M64 (964/993)	PC102-001	102.00	Machine in 109.00mm case
3.6L to 3.8L - M64 (964/993)	PC102-002	102.00	Slip in 107.00mm case
3.6L to 3.8L - M64 (993)	PC102-003	102.00	Machine in 109.00mm case / Shorter 114.5mm cylinder

NOTES

TECH 2:

TECHNICAL & INSTALLATION GUIDE

INSTRUCTIONS & TERMINOLOGY

Boring & Honing Instructions

Adherence to proper boring and honing procedure is essential to overall ring performance. To ensure that the bore finish will retain an oil film, it is vital that the guidelines listed below are followed for cast iron bores.

- Install and torque main bearing caps
- Use torque plates. This simulates the distortion that occurs when the cylinder head is mounted to the block. (hint: After boring and honing, leave the torque plates in place and fit/gap the piston rings to their respective cylinders.)
- Allow for a minimum of .003" excess material for use as honing stock.
- Intermediate hone to within .0005" of finished size with #220-#280 grit stones. (With diamond stones use #280-#400 grit.)
- Finish hone with #400 grit stone or higher. (Use #600 grit diamond stone. If using hand operated equipment, set drill speed between 200-450 rpm.)
- Finish with an appropriate stone or tool to achieve desired plateau finish (see below).

Surface Finish

Sunnen® CK® & CV®	Stoner Grit Size	Approx. µRA
EHU-412	150	47-52
EHN-512	220	40-48
JHU-525	220	30-36
JHU-623	280	20-25
JHU-818	400	7-14
C30-C03-81	600	3-5

SAE Specifications

Cast Iron/ CK & CV 220 Grit	Molly-Filled 280 Grit	Molly-Filled 400 Grit
70 Grit to -.003" 220 Grit to size	70 Grit to -.003" 220 Grit to -.001" 280 Grit to size	70 Grit to -.003" 220 Grit to -.0015" 280 Grit to -.0005 400 Grit to size

Why a Plateau Finish?

Plateau honing is the popular name for the process that replicates the cylinder bore surface finish normally produced by the rings after they have worn
down the surface peaks during "break in". This technique produces flat areas or plateaus (Rk) on the cylinder wall after finish honing by using a very fine grit stone or a PHT type brush tool to remove the peaks (Rpk) from the surface. This lowers the overall roughness average (Ra) while maintaining valley depth (Rvk) in the cross-hatch pattern of the cylinder wall. A high Rvk value is very desirable for it oil retention qualities and will substantially reduce "break in" time and increase ring life.

Ra (Roughness Average) = Used to describe surface roughness as an average between the peaks and valleys that exist in a finish over a specified area, usually micro inches.

Rpk (Peaks) = Average peak height.

Rvk (Valleys) = Average valley depth.

Cross Hatch = The pattern of intersecting parallel lines left after finish honing operations are completed. The smaller the intersecting angle, the larger the area (Rk) between the hone marks.

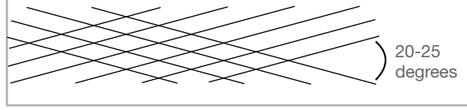
Example of Plateau Finishing

Original Bore Size	4.000"	
Oversize	0.030"	
Finish Size	4.030"	**Surface Finish µRA**
Rough-to-size	4.0250"	75-98
First Finish	4.0290"	30-36
Second Finish	4.0295"	20-25
Third Finish	4.0300"	7-14

Cross Hatch Pattern

Maintaining the proper cross hatch angle is important for two reasons; 1. Oil retention on the cylinder wall and 2. The rate of ring rotation. Excessively shallow cross hatch angles can hinder or slow down the necessary ring rotation that allows dissipation of heat. It can also leave too much oil on the cylinder wall allowing the rings to skate over the surface leading to excess oil consumption. Too steep of a cross hatch angle may not provide adequate
oil retention and can result in dry starts and premature ring wear. A steep pattern angle can also create excessive ring rotation that will accelerate ring and piston ring groove wear.

How to Measure Cross Hatch Angle



▲TOP

INSTRUCTIONS & TERMINOLOGY

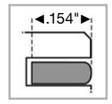
Ring Terminology

Axial Clearance: The distance between the ring axial height and the piston ring groove width.

Axial Height: The width (thickness) of the ring in the axial direction.

Back Clearance: Distance between the inside diameter of the ring and the back of the ring groove when the ring is flush with the ring land.

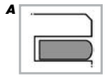
D-wall: A specification established by the Society of Automotive Engineers (S.A.E.) that dictates the radial width of a standard automotive piston ring by the use of the following formula: Bore diameter divided by 22 = radial thickness (3.386" divided by 22 = .154")



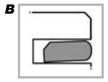
End Gap: The end gap clearance when the ring is compressed to the bore diameter.

Gas Nitrided: A process used to harden the perimeter of a ring where nitrogen atoms penetrate the base material and form an extremely hard outer layer that provides excellent wear and scuff resistance.

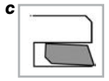
A. Neutral Barrel: A term used to describe a piston ring that has no torsional bias or twist.



B. Positive Twist: An asymmetric change in the ring cross section that causes it to twist in an upward direction (toward the piston crown) aiding ring sealing of the top and bottom of the ring groove. Positive twist is used only on top compression rings.



C. Reverse Twist: An asymmetric change in the ring cross section causing the ring to twist downward (toward the piston skirt) that enhances the second compression ring's oil scrapping properties.



Radial Width: The width of the ring in the radial direction.

Ring Axial Sides: The top and bottom surfaces of the ring.

Ring Face: The section of the ring that contacts the cylinder wall.

Torsional Twist: The installed position of the ring due to a chamfered area on either ring side that helps the ring cross-seal.

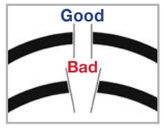
Ring Gaps

As a piston moves down on the power stroke, combustion pressure accumulates in the land area of the piston (between the top ring and the 2nd ring.)
This accumulation of pressure can cause the top ring to unseat from its sealing area at the bottom of the ring groove. This is addressed by increasing the gap area of the 2nd ring. This affords a controlled release of the inter-land pressure, and keeps the top ring seated on its lower sealing surface for improved performance.

Ring Gap Table Instructions
1) Cylinder bore size must be in inches.
   If measuring millimeters, divide bore by 25.4.
2) Multiply your bore size by the "x Bore" column for your application.

Proper Ring Gap Measuring Procedure
1) Torque Plate should be attached to engine block or cylinder and torqued to specifications.
2) Cylinder bore should be free of taper.
3) Piston ring should be square in the bore 1" down from the deck.

Proper Ring Gap Filing
1) Ring gap should be filed using proper ring gap filing tool.
2) Ring gap should only be filed in an inward direction and square to the sides.



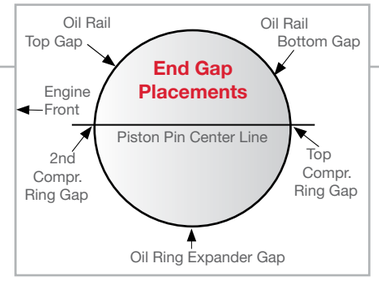


Use caution when grinding ring end gaps - A stone or cutter which is too coarse can remove material too quickly.

Min. Gap Per Inch of Bore

Application	Top Ring Bore X	2nd Ring Bore X	Oil Ring Rail Min. gap
High-Perf. Street/Strip	.0040"	.0050"	.015"
Street-Moderate Turbo/Nitrous	.0050"	.0055"	.015"
Late Model Stock	.0050"	.0053"	.015"
Circle Track/Drag Race	.0055"	.0057"	.015"
Nitrous Race Only	.0070"	.0073"	.015"
Blown Race Only	.0060"	.0063"	.015"

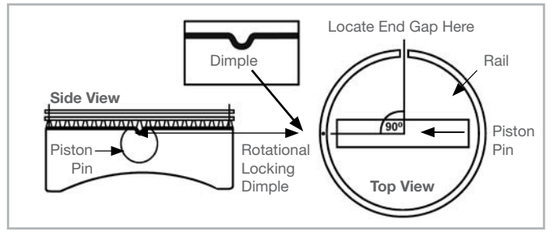
NOTE: The chart above is a general end gaps guideline. Each ring should be fitted to the particular cylinder in which they are to be installed. The gap on the 2nd ring should always be larger than the top ring end gap, this will help reduce top ring flutter.



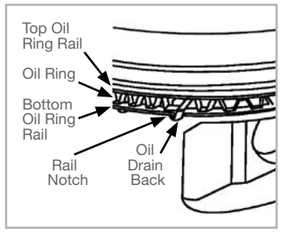
Oil Rails & Rail Supports

Wiseco oil rail supports feature a special dimple to prevent rotation of the oil rail.
This dimple should be positioned directly in line with the piston pin.Keep the rail support gap 90 degrees from the piston pin bore opening.

When installed in a horizontally opposed engine, rail gaps should be installed as shown below. The rail tab must be installed below the oil ring expander with the tab facing toward the bottom of the ring groove extending into the split oil drain back hole. Use caution to not install the rail tab into the piston pin oil hole.



Ring Sets containing Oil Rails with a tab (all end with part #VF)



PISTON MATERIAL

4032 vs. 2618/Forged Wrought Aluminum

Pistons manufactured from 4032 wrought aluminum alloy are designed for high performance applications where a strong and quiet piston is required. These pistons require less initial piston to wall clearance and are quieter at startup. The perfect street/strip piston!

Physical Properties of 4032		
Nominal Density	2.68 g/cc	.097 lb/in3
Mechanical Properties of 4032		
Tensile Strength, Ultimate	380 MPa	55,000 psi
Tensile Strength, Yield	315 MPa	46,000 psi
Modulus of Elasticity	79 GPa	11,400 psi
Fatigue Endurance Limit	110 MPa	16,000 psi

Pistons manufactured from 2618 wrought aluminum alloy are designed for racing and very demanding applications. These environments necessitate the higher strength 2618 aluminum alloy.

Physical Properties of 2618		
Nominal Density	2.81 g/cc	.100 lb/in3
Mechanical Properties of 2618		
Tensile Strength, Ultimate	440 MPa	64,000 psi
Tensile Strength, Yield	370 MPa	54,000 psi
Modulus of Elasticity	74 GPa	10,400 psi
Fatigue Endurance Limit	125 MPa	18,000 psi

COEFFICIENT OF THERMAL EXPANSION

When exposed to heat, 2618 aluminum expands approximately 15% more than 4032, therefore the intial piston-to-wall clearance has to be 15% greater. This difference is most noticeable during a cold engine start. When cold, the 2618 piston can rock back and forth producing a slight noise (sometimes referred to as piston slap) until the aluminum expands. Both types of aluminum have approximately the same clearances once the pistons have expanded and the engine is running at operating temperatures.

COEFFICIENT OF THERMAL EXPANSION FOR 4032

Temperature Range		Average Coefficient	
°C	°F	µm/m • K	µin/in • °F
20 to 200	68 to 392	20.2	11.2

EXAMPLE:

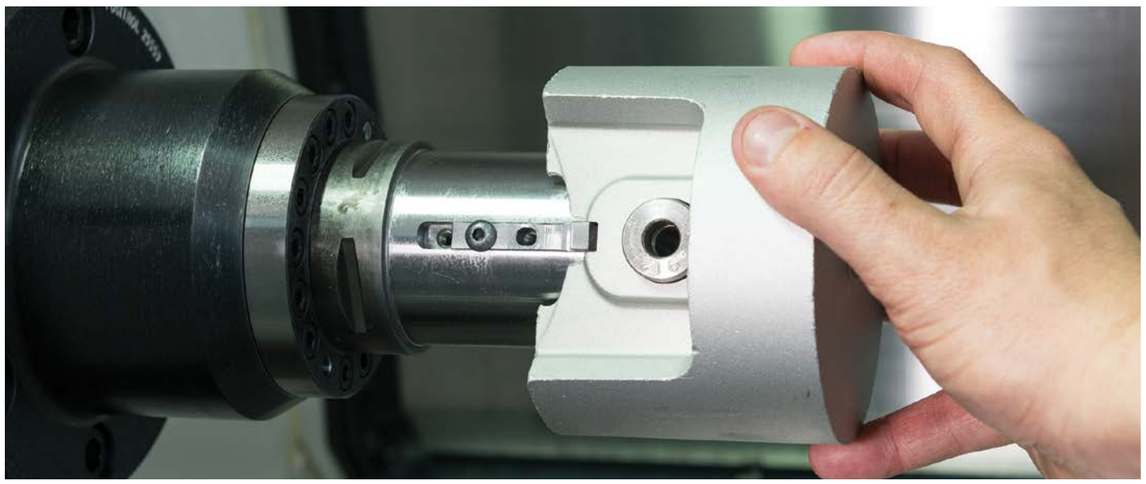
When measured at room temperature, a piston designed for a 4.000” bore might measure 3.9966. If the same piston were measured at 375 degrees F, the piston would measure 4.000”.

COEFFICIENT OF THERMAL EXPANSION FOR 2618

Temperature Range		Average Coefficient	
°C	°F	µm/m • K	µin/in • °F
20 to 200	68 to 392	23.2	12.9

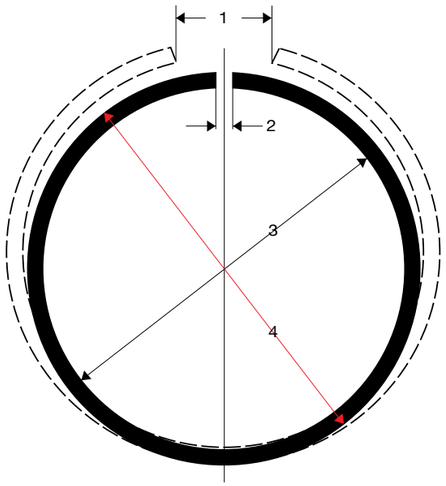
EXAMPLE:

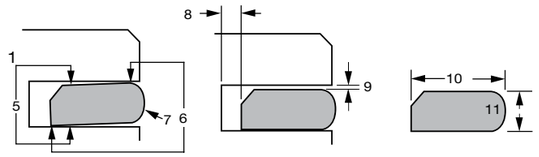
When measured at room temperature, a piston designed for a 4.000” bore might measure 3.9960. If the same piston were measured at 375 degrees F, the piston would measure 4.000”.



RING TECH

RING DIMENSIONS





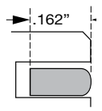
1. **FREE GAP:** The end gap clearance when the ring is not compressed
2. **END GAP:** The end gap clearance when the ring is compressed to the bore diameter
3. **INSIDE DIAMETER:** The inside diameter of the ring at bore diameter
4. **OUTSIDE DIAMETER:** The outside diameter of the ring at bore diameter
5. **RING AXIAL SIDES:** The top and bottom surfaces of the ring
6. **TORSIONAL TWIST:** The installed position of the ring due to a chamfered area on either ring side that helps the ring cross-seal
7. **RING FACE:** The section of the ring that contacts the cylinder wall
8. **BACK CLEARANCE:** Distance between the inside diameter of the ring and the back of the ring groove when the ring is flush with the ring land
9. **AXIAL CLEARANCE:** The distance between the ring axial height and the piston ring groove width
10. **RADIAL WIDTH:** The width of the ring in the radial direction
11. **AXIAL HEIGHT:** The height or the thickness of the ring in the axial direction

RING TERMINOLOGY

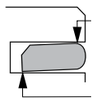
D-wall: A specification established by the Society of Automotive Engineers (S.A.E.) that dictates the radial width of a standard automotive piston ring by the use of the following formula; Bore diameter ÷ 22 = radial thickness. (4.000” ÷ 22=.182”)



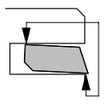
Back-cut: Used to describe a compression ring that has less than S.A.E. standard D-Wall radial thickness. Back-cutting is used to reduce natural radial ring tension. In applications with tight top ring land to piston intake valve pocket clearance problems, back cut rings allow the rings to be moved up toward the top of the piston which improves combustion efficency and provides more power.



Positive Twist: An asymmetric change in the ring cross section that causes it to twist in an upward direction (towards the piston crown aiding ring sealing of the top and bottom of the ring groove. Positive twist is used only on top compression rings.



Reverse Twist: An asymmetric change in the ring cross section causing the ring to twist downward (towards the piston skirt) that enhances the second compression ring's oil scraping properties.

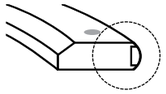


Neutral: A term used to describe a piston ring that has no torsional bias or twist.

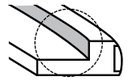


RINGFACE SHAPES

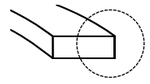
Barrel Face: Term used to describe the curved section of the ring that is in contact with the cylinder wall. Used only on top compression rings.



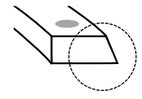
Dykes: A step cut into a top compression ring that helps to direct gas pressure to the shaded area on the back side of the ring, improving ring to cylinder wall seal.



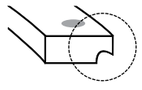
Flat Face: Simple flat rectanglular shape

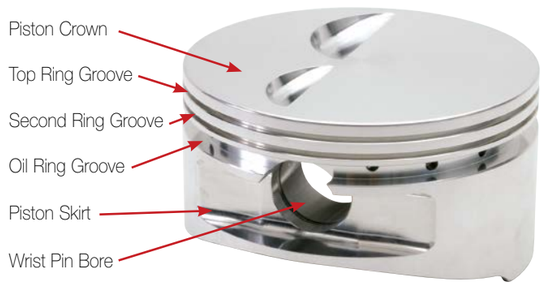


Taper Face: Describes the angled face of the second compression ring that scrapes excess oil from the cylinder wall surface. Used only on second rings.



Napier: A special hooked shape found on the underside of some second compression rings used to more efficiently remove excess oil from the cylinder walls.

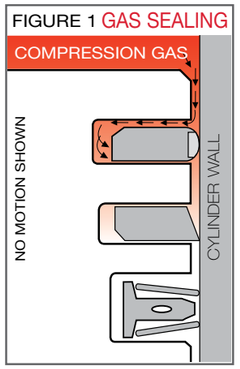


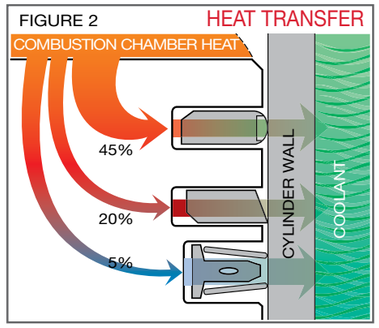


RING TECH

RING FUNCTIONS

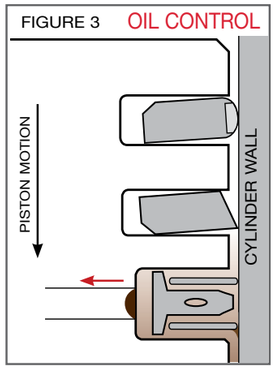
Piston rings serve three basic functions in an automotive engine, gas sealing, heat transfer, and oil control. The primary duty of the top compression ring is to provide a seal that prevents combustion gas or pressure from bypassing the piston. This is achieved by maintaining contact with the cylinder wall at all times. The second compression ring also assists the top ring in its sealing function, although its main purpose is to provide a secondary form of oil control for oil that has bypassed the oil ring (fig. 1). Secondly, both compression rings and the oil control ring transfer the heat of combustion from the piston to the cylinder wall where it is then transferred to the cooling system (fig. 2). Lastly, the second compression and oil ring also serve as an oil control system regulating the film of oil on the cylinder wall. As the piston moves downward, the sharp edges of the second ring and the two rails scrape the top layer of oil off the cylinder wall, leaving only a very thin layer behind. The excess oil is discharged by three methods. Most simply gets scraped by the lower oil ring rail back down into the oil pan. Some excess gets forced into "drain back" holes in the oil ring groove, to the interior of the piston and then back to the oil pan. If the piston has "pressurized pin oilers", the remainder gets forced into holes in the oil ring groove through the pin bosses into the wrist pin reservoir, then directly onto the wrist pin.





RINGS TRANSFER 70% OF COMBUSTION CHAMBER HEAT INTO THE CYLINDER WALL

(All figures shown are close approximations)



TOP RINGS

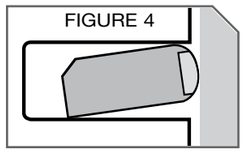
The top compression ring is responsible for creating a seal with the cylinder wall to maintain combustion chamber pressure. The top ring also transfers up to 45% of the heat generated by the combustion process to the cylinder wall en route to the engine cooling system. Top compression rings are available in a variety of shapes (see illustrations below), sizes and material types that allow you to choose the most efficient and economical ring to suit your application.

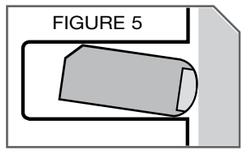
Most top compression rings have a barrel face with a positive torsional twist. This twisted configuration takes up the axial clearance in the groove, providing a better cross sealing.

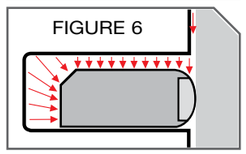
During most of the intake stroke, the piston ring twists upward because of the chamfer while the barrel face utilizes its lower half to maintain contact with the cylinder wall (fig. 4).

On the compression and exhaust strokes, the ring may sit flat on the groove surface (fig. 6) or be twisted upwards (fig. 4) or downwards (fig. 5), depending on the size of the chamfer, inertia forces at top and bottom of stroke and combustion chamber pressures (most notable when piston is near top dead center).

A third position is achieved during the power/combustion stroke. Although inertial forces direct the ring upward, combustion pressure forces the ring to the bottom of the ring groove and forward against the cylinder wall.

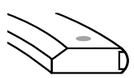




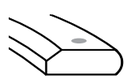


Illustrations are exagerated for demonstration purposes

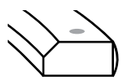
TOP RING SHAPES AND TYPES



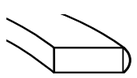
Barrel Face Torsional Plasma Moly Inlay



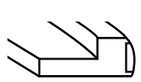
Barrel Face Torsional HNS and Tool Steel



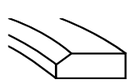
Barrel Face Torsional Chrome



Barrel Face Chrome Nitride or Moly



Dykes

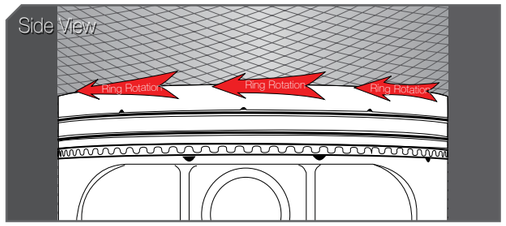


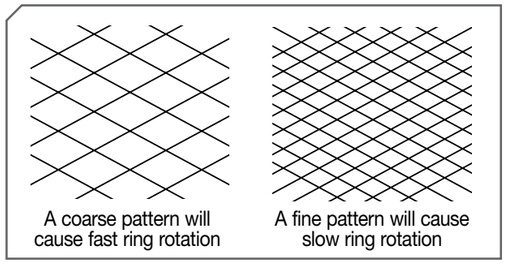
Flat Face Torsional

RING TECH

RING ROTATION

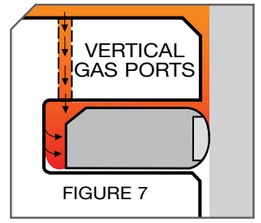
Ring rotation is critical for the distribution of heat to lower temperature sections of the piston and the cylinder wall. If the rings were stationary in the ring groove, the piston and cylinder wall would experience excessive heat in localized areas. This condition can cause scuffing of the cylinder wall, premature wear, piston to ring microwelding and possibly ring butting. The rate at which the ring rotates is determined by the piston rods, friction between the ring sides, bore finish, and cross hatch angle.

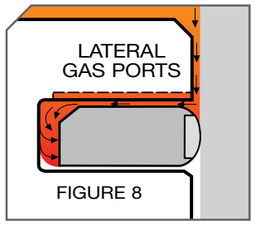




GAS PORTING

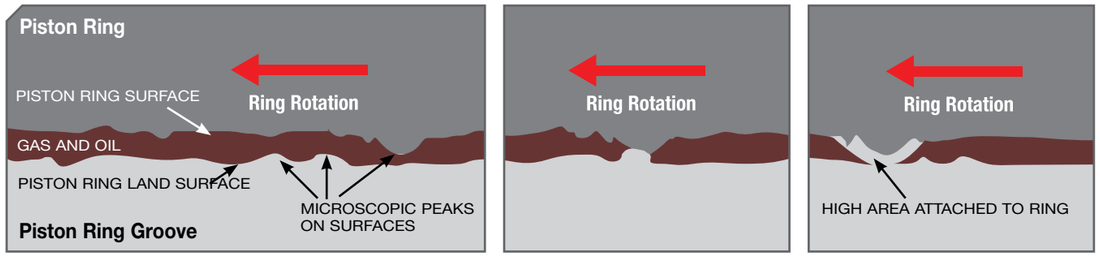
Combustion pressure can be directed behind the top ring with the addition of vertical or lateral gas ports on the piston. Vertical gas ports are small holes drilled into the top (or deck side) of the piston that lead to the back of the top ring groove. These holes allow combustion pressure to enter the top ring groove directly behind the ring on the combustion stroke forcing the ring face against the cylinder wall for maximum seal (fig. 7). Lateral gas ports perform the same function by providing a pathway for the combustion pressure to enter the ring groove with less interference (fig. 8). Gas ports are extremely beneficial when using reduced radial width and low tension top rings. They aid in ring seal on the combustion stroke while reducing friction and drag on the remaining strokes that can rob the engine of horsepower. As a general rule, vertical gas ports are mainly used in drag race applications while lateral gas ports are used for circle track and endurance racing (vertical gas ports tend to plug with carbon more than lateral gas ports and are usually application specific).





WHAT IS MICROWELDING?

Micro-welding occurs when piston material from the ring groove transfers onto the axial side surface of the ring itself. As a result, ring rotation begins to deteriorate followed by increased blow-by due to the ring losing bore conformity and torsional twist. As material transfer continues, axial clearance disappears and the ring will eventually become lodged in place, having welded itself to the groove. Micro-welding is typically seen only on top rings and is most common where the axial clearance between the ring and its groove become too tight for the conditions or application. In order to help alleviate this problem, JE offers our exclusive Ultra Groove machining process to vastly reduce the microscopic waves and bumps left by conventional machining methods. To further improve ring groove quality, JE offers hard anodizing of the piston top ring groove, which creates a very hard, durable contact surface. When combined with our UFR or CFR rings, axial clearances can be greatly reduced while also significantly reducing the possibility of micro-welding.



SECOND RINGS

The most conventional second ring shape is a taper faced reverse-torsional twist. The tapered face of the ring acts as a wiper that scrapes excess oil from the cylinder wall (fig. 9). It is important to prevent oil from entering the combustion process as this can lead to detonation which in turn increases carbon build up and raises both piston and oil temperatures. The chamfer machined in the back, under-side of the ring produces a twist in the ring, which enhances its cross-sealing properties.

Second rings are also available from in the Napier or "hook" style ring face. This design is considered superior to a tapered face design as the hook shape actually channels oil flow back down the cylinder wall and away from the underside of the ring (fig. 10).

FIGURE 9: TAPER FACE RING

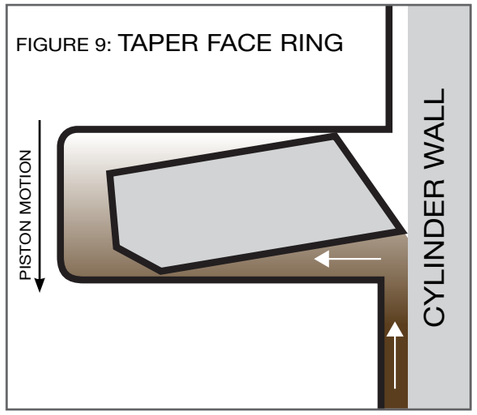
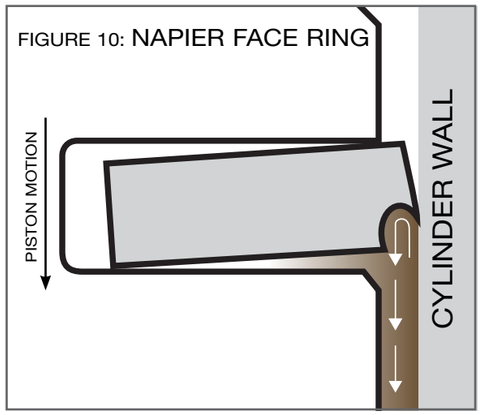


FIGURE 10: NAPIER FACE RING



OIL RINGS

The function of an oil ring is to remove oil from the cylinder wall. In most cases, an oil ring is actually three pieces, consisting of two rails with an expander in between them. As an engine's rotating assembly continuously slings oil and creates a heavy oil mist within the crank case, oil accumulates on the cylinder walls, crank, rods, and piston skirts. However, the oil film will tend to remain in contact with the cylinder wall as the piston slides across it, so a method of scraping and scavenging this oil is necessary to keep it out of the combustion chamber. While both the oil ring rails and the 2nd ring perform this scraping function, only the oil ring has a method for scavenging this oil. A three-piece mechanism all its own, the oil ring uses piston motion to create a "pumping" action which redirects accumulated oil to drain back holes or wrist pin oiling holes drilled in the piston.

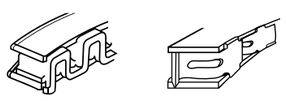
Oil rings are offered in either high, standard or low tension versions. High and standard tension rings are most commonly used in street/strip wet sump style engines and engines using forced induction or bolt-on power adders. JE Pro Seal is the first to offer standard tension oil rings with a 3mm axial height.

Low tension oil rings are most commonly used in dry sump applications. The advantage of a low tension oil ring is less friction along the cylinder wall, which generally leads to more power. Because the scavenging section of the dry sump system remove so much oil from the crank case and cylinder walls, low tension rings are sufficient to provide proper oil control.

Most oil rings are equipped with chrome plated rails (non-chrome plated rails are also available). Titanium Nitride coating (TiN) of oil ring rails is also available as a custom option for any Oil ring. This coating provides additional wear resistance for extreme applications, has a very low coefficient of friction, and is compatible with Nikasil bores.

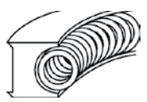
Oil Rings are available with two different types of expanders. The "F Type" style expander (fig. 11) is most commonly used in low tension oil rings and features a wave shaped pattern that alternates between the top and bottom oil ring rails. The "S Type" style expander is more common in standard tension oil rings and uses holes in the humps (fig. 4) to provide an oil passageway to the back side of the ring and ultimately out through the oil drain back holes. In some instances, specifically in horizontally opposed cylinder orientation, a 2-piece oil ring is preferred. Two-piece oil rings are the original equipment ring for Porsche® and are usually compatible with Nikasil bores. They consist of a cast iron "M-shaped" outer ring with spiralspring spacer inside (fig. 12). We offer OE replacement ring sets with 2-piece oil rings in popular bore sizes for Porsche and other engines.

FIGURE 11
REAR ISOMETRIC VIEW



F TYPE OIL RING
S TYPE OIL RING

FIGURE 12
REAR ISOMETRIC VIEW



2-PIECE OIL RING

RING FACE COATINGS

We offer a variety of ring face coatings specifically designed for individual operating requirements. The main types are Plasma Moly, CrN (Chromium Nitride), TiN (Titanium Nitride), and base ring material gas nitriding. These face coatings provide a wear and scuff resistant face against the cylinder wall while also providing a very low coefficient of friction. These coatings are applied using PVD and PACVD (Plasma Assisted Chemical Vapor Deposition) processes and are the premier ring coatings available today. Contact your sales representative for more details.

CrN (Chromium Nitride) – A thin film applied to the ring face which provides a moderate level of surface hardness with an extremely low coefficient of friction.

GAS NITRIDED – A process used to harden the perimeter of a ring where nitrogen atoms penetrate the base material and form an extremely hard outer layer that provides excellent wear and scuff resistance.

TiN (Titanium Nitride) – Similar to CrN coating; TiN is generally harder than CrN but w/ similar wear resistance.

PLASMA-MOLY – Is a face coating which provides a hard, wear resistant surface on a barrel shaped ring face that is able to maintain a very low coefficient of friction. The process involves spraying an alloyed powder that contains various chemistries of Molybdenum, Nickel, Chromium and small amounts of other trace elements, into a small channel on the face of the ring by forcing the powder through an electrical arc in the presence of compressed Argon or other gases. Under extreme heat, this powder turns into molten droplets and is carried to the ring on a stream of shielding gas, filling the inlay groove, bonding to the face of the ring.

RING AXIAL SIDE COATINGS

All non-stainless steel rings have a corrosive resistant coating that is specifically designed to enhance oil retention and to help prevent scuffing during early engine operation or "break in". Plasma Moly filled ductile iron rings are coated with a manganese phosphate while steel rings are coated with an iron oxide compound known as Ferrox. Both of these coatings prevent rust from accumulating while the rings are in the package and provide a porous outer layer that retains oil upon installation, to insure proper lubrication at engine start up.

RING MATERIALS

Most U.S. domestic original equipment engines use cast iron top and second compression rings. This material is fine for low rpm applications with a relatively low compression ratio.

Our rings are constructed from either ductile iron, steel, or stainless steel for greater strength and elasticity. Ductile iron is a very versatile material that is good for most high performance applications. These rings are available with either a plasma moly inlay face or hardened for nitrous, turbo and blown applications.

Steel and stainless steel rings are better suited for extremely high rpm applications. The higher tensile strength of steel also helps it to withstand the added abuse of high power output engines. Both steel and stainless steel are commonly used in applications where extremely thin and narrow rings are required.

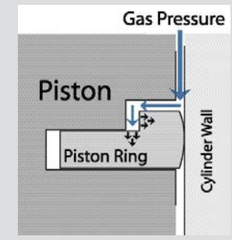
Use the performance matrix to help determine which ring material and style suits your racing engine or call your sales representative.

ABOUT DYKES RINGS

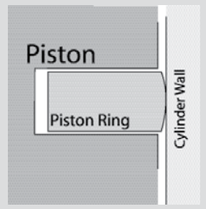
If you want maximum ring seal for your drag racing application, talk to your salesman about Dykes Rings. On the power and compression strokes of your engine, the gas pressure loads the ring against the cylinder wall and the bottom of the ring groove to create a better seal for increased horsepower. On the remaining two strokes, the ring relaxes giving you the reduced pressure created by the ring's natural radial tension thus reducing frictional drag.

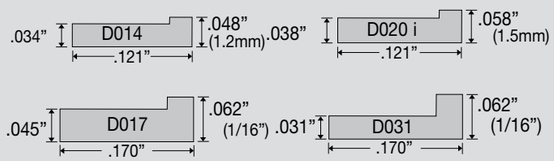
The four most common types of Dyke cut top rings are the D017, the D031, the D014 and the D020 i. All D017 and D031 rings have an axial height of 1/16". The D014 and the D020i are metric rings and have axial heights of 1.2mm and 1.5mm respectively. Both the D017 and the D014 are for use on forced induction and nitrous applications. Although the D020 i can be used on forced induction engines as well, it is generally used on naturally aspirated engines. The D031 ring is for use only on naturally aspirated engines.

DYKES RING



STANDARD RING





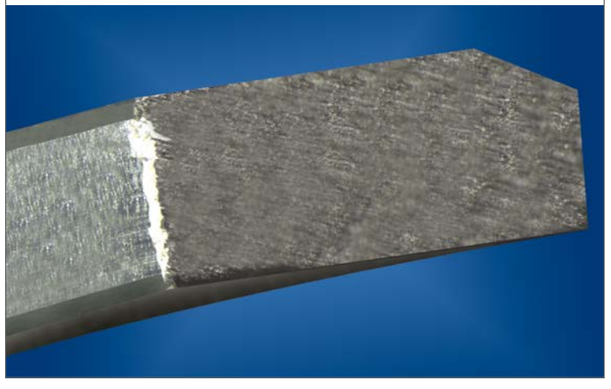
RING GAP FILING PROCEDURES

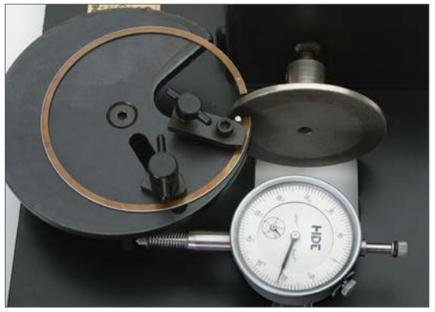
- Check the ring gap chart (below) to determine the appropriate end gap for your bore size and application.
- The prefered method of ring grinding is to use a quality electric ring grinding machine. Where costs are a consideration the use of a manual hand crank style grinder works.
- Always file from the ring face towards the inside diameter of the ring to avoid
  chipping and/or marring the face coating.
- File only one end of the ring, using the unfiled end as a reference point.
- Deburr all gap edges with a soft stone or Cratex type product.

RING GAP CHART	Minimum Gap Per Inch/MM of Bore		
	Top Ring	2nd Ring	Oil Ring Rail
Application	Bore x	Bore x	Min. Gap
High-Perf. Street/Strip	.0045	.0050	.015/0.381mm
Street Moderate Turbo/Nitrous	.0050	.0055	.015/0.381mm
Late Model Stock	.0050	.0053	.015/0.381mm
Circle Track/Drag Race	.0055	.0057	.015/0.381mm
Nitrous Race Only	.0070	.0073	.015/0.381mm
Blown Race Only	.0060	.0063	.015/0.381mm

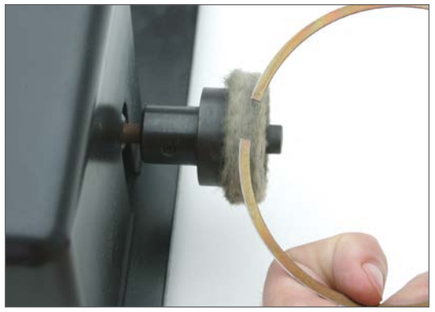
NOTE: The chart above is a general end gaps guideline. Each ring should be fitted to the particular cylinder in which they are to be installed. A difference in bore diameter of .001" should increase the ring gap by a factor of pi (3.1416, example: .001 x 3.1416 = .0031). The gap on the second ring should always be larger than the top ring end gap, this will help to reduce top ring flutter.

Magnified photo of incorrectly ground ring end gap. Please use extreme caution when hand grinding, it is possible to chip/flake the plasma moly out of the inlay groove.

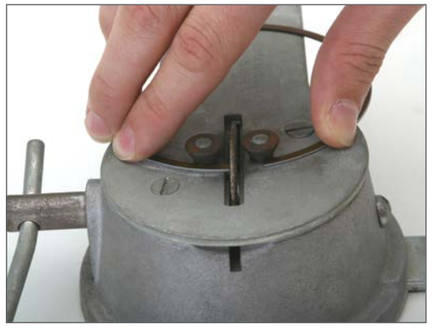




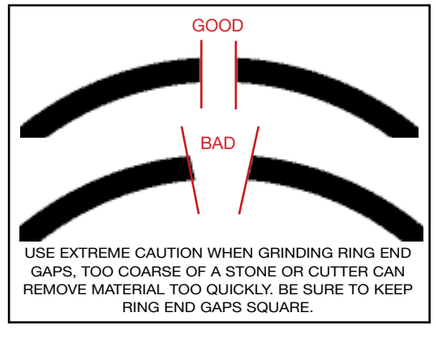
ELECTRIC RING GRINDER



ELECTRIC STYLE DEBURR WHEEL

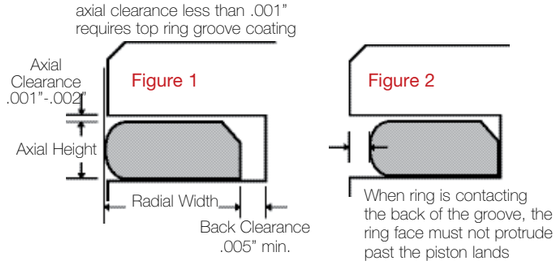


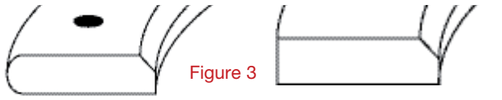
MANUAL STYLE RING GRINDER



USE EXTREME CAUTION WHEN GRINDING RING END GAPS, TOO COARSE OF A STONE OR CUTTER CAN REMOVE MATERIAL TOO QUICKLY. BE SURE TO KEEP RING END GAPS SQUARE.

- Check each ring in its corresponding piston groove to ensure proper axial and radial clearance (fig. 1 & 2)
- Always install Pro Seal rings with indicator marks facing up (Sportsman rings without indicator should be installed as shown in fig. 3)
- Always use a ring expander when installing rings (see photos)
- Spiraling rings into ring grooves can damage both the ring and piston ring groove
- Lubricate new rings with light assembly oil or motor oil before installation
- Stagger end gaps on each compression ring, oil rails and expanders (fig. 4)

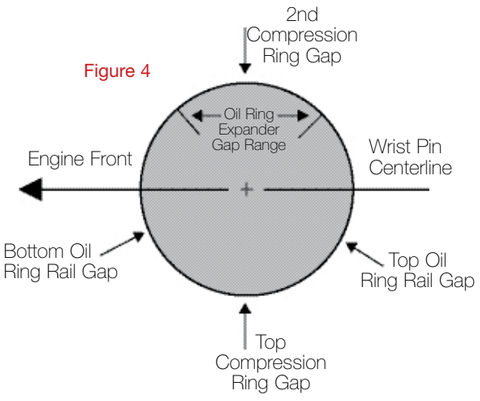




RING EXPANDER

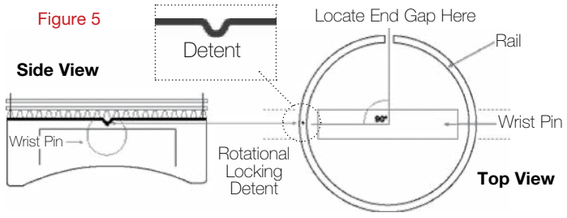






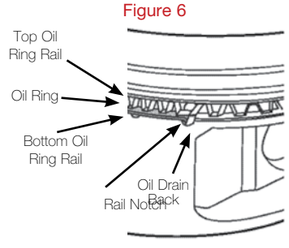
RAIL SUPPORTS

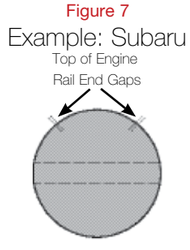
Rail supports feature a special locking detent to prevent rotation of the oil rail. This detent should be positioned directly in line with the wrist pin (fig. 5). Keep the rail support gap 90º from the wrist pin bore opening.



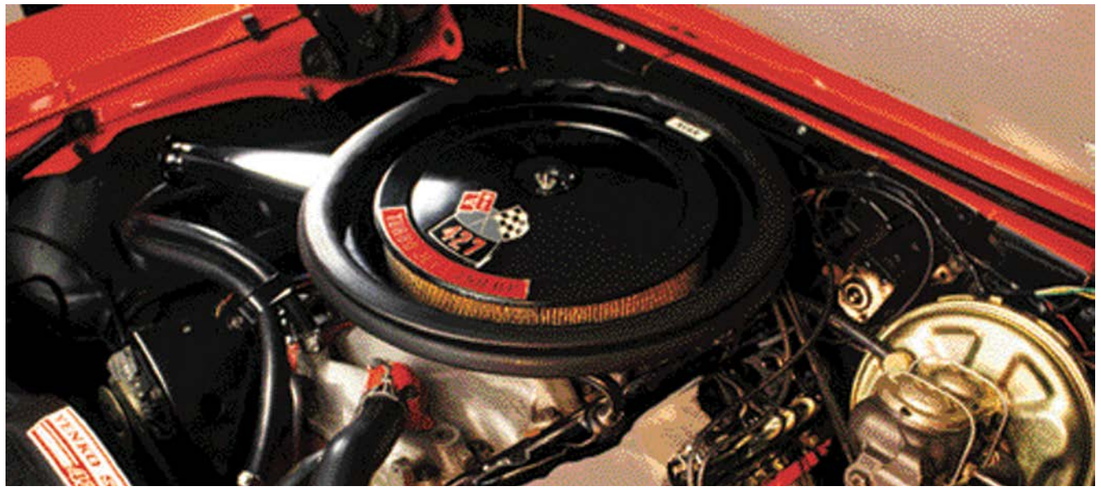
RING SETS CONTAINING OIL RAILS WITH A TAB

When installed in a horizontally opposed engine, rail gaps should be installed as shown below (fig. 7). The rail tab must be installed below the oil ring expander with the tab facing toward the bottom of the ring groove extending into the split oil drain back hole (fig. 6). Use caution to not install the rail tab into the wrist pin oil hole.





TECH & INSTALLATION TIPS



HOW TO

Convert from Cubic Centimeters to Cubic Inches
Multiply **by .0610237**
Example **1835cc x .0610237= 111.98**

Convert from Cubic Inches to Cubic Centimeters
Multiply **by 16.387064**
Example **350ci x 16.387064= 5735.47**

Convert from Inches to Millimeters
Multiply **by 25.4**
Example **3.189 x 25.4= 81.00mm**

Convert from Millimeters to Inches
Multiply **by .0393701**
Example **81mm x .0393701= 3.1889**

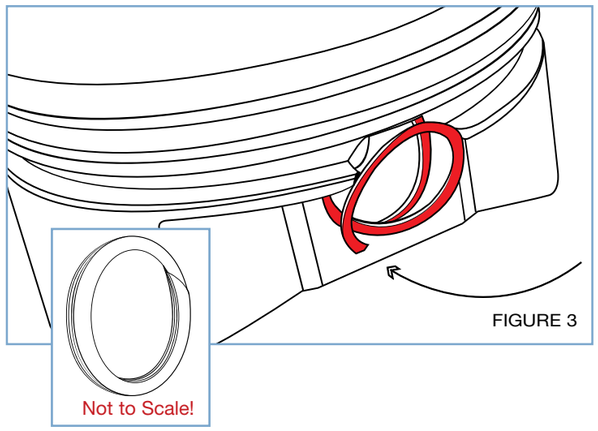


FIGURE 3

INSTALLING ROUND WIRE LOCKS

Using the 4 o'clock position of the pick lock groove as a reference, install one end of the lock at 1 o'clock. (The end gap of the lock should span from 1 o'clock to 3 o'clock) Position the rest of the lock as close to the wrist pin hole as possible. Insert a pick lock tool or small screwdriver into the pick lock groove and leverage the lock into place. Once the first lock is in place, install the wrist pin. Seat the lock by placing a brass or aluminum drift against the pin and strike the drift firmly with a hammer. Perform this function on a cloth towel or soft rubber pad to prevent damage to the piston. Remove the pin and re-install with the connecting rod attached. Install and seat the second lock using the same procedure, then re-seat each lock a second time.

INSTALLING SPIRO LOCKS

Begin with the leading tip of the lock in the 12 o'clock position. Insert your thumb through the center of the lock and hook it under your thumbnail at the 10 o'clock position (roughly 1/2" to the left of the leading tip). Install the leading tip into the 11 o'clock position of the groove. (If the wrist pin hole intersects the oil ring groove, lock installation is slightly more difficult as the lock will catch on the bottom ring land) The leading edge of the lock should catch in the groove allowing it to stay on its own. Continue installing the lock by applying pressure in a circular, counter-clockwise motion (fig. 3) until it fully snaps into place. Most pistons are made for double Spiro Locks, requiring 4 locks per piston (two at each end of the pin). For pistons made to accept Round Wire Locks, see the installation instructions below. The correct number of Spiro Locks must be installed in each piston or severe engine damage may occur. Do not over-stretch or re-use Spiro Locks. Do not install Spiro Locks in press-fit pin applications.

▲TOP

TECH & INSTALLATION TIPS



$$CR = \frac{\text{SWEPT VOL. + TDC VOL.}}{\text{TDC VOL.}}$$

Swept Volume = 3.1416 x Bore x Bore x Stroke ÷ 4

TDC Volume = Cylinder Head Volume + Gasket Volume + Deck Volume + Piston Dish (-Dome) Volume

Gasket Volume = 3.1416 x Gasket Bore x Gasket Bore x Compressed Gasket Thickness ÷ 4

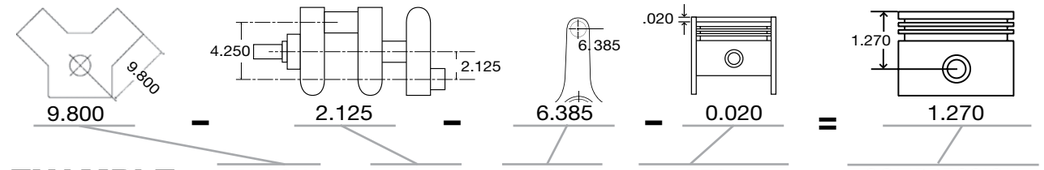
Deck Volume = 3.1416 x Bore x Bore x Deck Clearance ÷ 4

Piston volume = as published in JE catalog x –.061

Head volume = as published in cc's x .061

Always use cc's or ci's, do not mix the two. To convert cc's to ci's multiply cc's by .061

CALCULATING COMPRESSION HEIGHT/DISTANCE



PISTON/DOME TO HEAD AND SPARK PLUG CLEARANCE

Always check piston/dome to head and spark plug clearance to assure proper clearance (See fig.1). Minimum clearance for steel rod =.040", aluminum =.060". Check using clay with piston installed on rod at TDC, be sure to rock the piston back and forth in the bore to get total minimum running clearance.

PISTON TO VALVE CLEARANCE

Piston to valve clearance is determined by cam lift, lobe separation, duration, valve margin, head design, and aftermarket milling of cylinder head. Minimum recommended clearance for intake & exhaust valve is .100" in depth and .050" radially. Check by using clay or follow cam manufacturers recommendations for checking clearance, making sure the cam is degreed exactly as it will be during operation.

CRANK COUNTERWEIGHT TO PISTON CLEARANCE

Always check crank counterweight to piston clearance at BDC. Recommended minimum is .060".

CONNECTING ROD TO PISTON CLEARANCE

Due to the large variation in rod widths and material thickness above pin, always check for proper piston to rod clearance on OEM, aftermarket steel rods and aluminum rods. Recommended clearance is .050" min per side and .050" min from top of rod to piston. With the piston installed on the rod, rock the piston side to side and rotate forward and backward to ensure proper clearance. See figure 2.

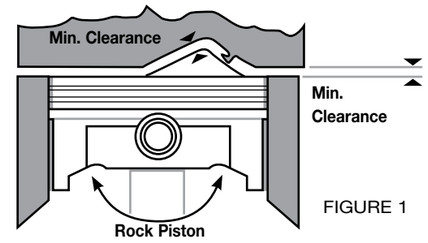


FIGURE 1

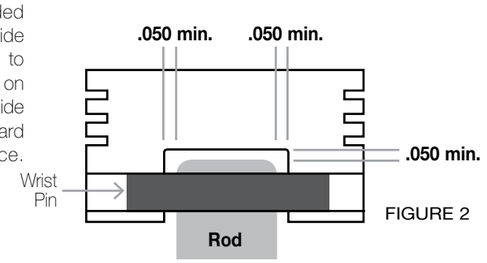


FIGURE 2

TECH & INSTALLATION TIPS

Piston to cylinder wall clearance

Piston to cylinder wall clearance for 4032 Alloy:

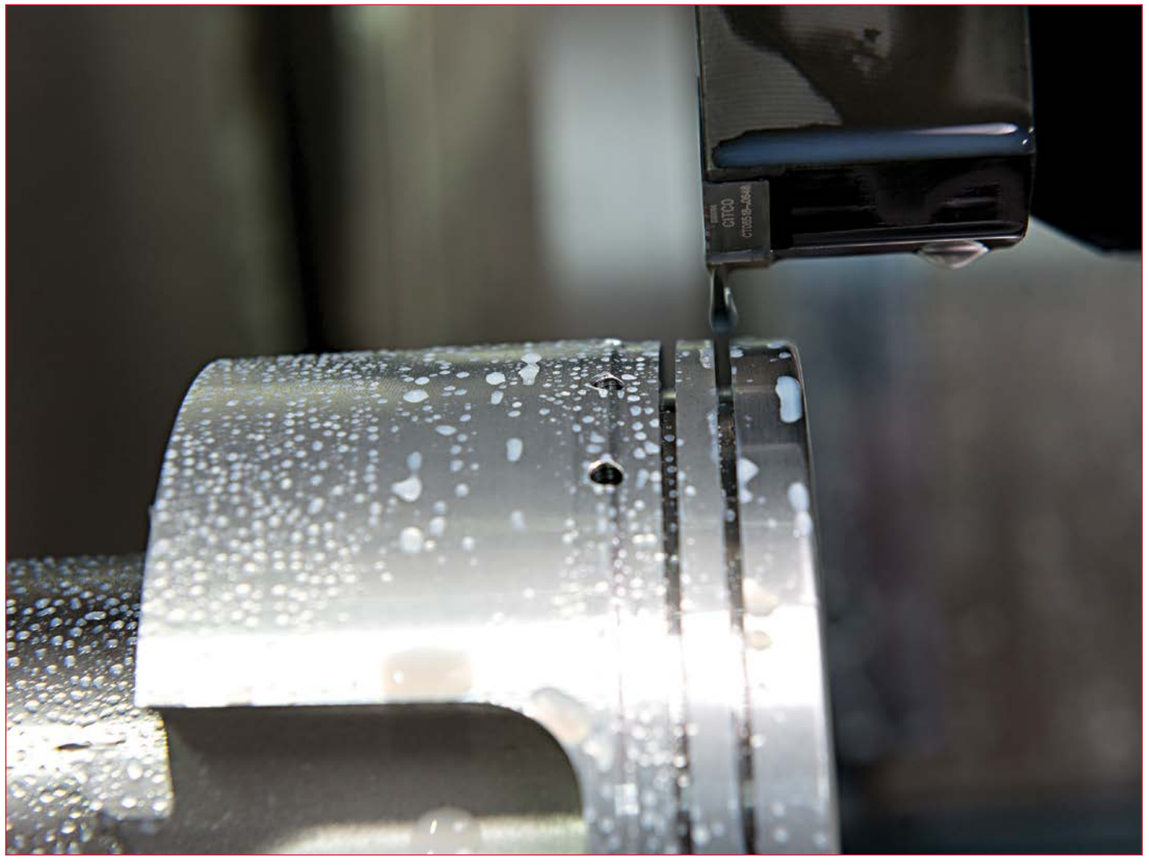
1. Piston diameter must be measured at gauge point which, in most cases, is 12,7 mm up from the bottom of skirt. Dimensions listed are gauged at a temperature of 20 degrees C. Note: aluminum expands and contracts with temperature variations.
2. Your pistons are manufactured from 4032 high silicon aluminum alloy.
3. Clearance is built into piston based upon finished bore for normal operating conditions.
4. Clearances listed below are minimum. Some applications such as supercharged, turbo, nitrous and endurance applications may require 0,025-0,076 mm to be added to the minimum clearances. Cold water pickup marine applications may require an additional 0,051-0,102 mm clearance.

Bore Range Min. Clearance Sport compact:
63,50-92,00 mm = 0,050-0,064 mm
92,00-101,60 mm = 0,063-0,076 mm

Piston to cylinder wall clearance for 2618 Alloy:

1. Piston diameter must be measured at gauge point which, in most cases, is 12,7 mm up from the bottom of skirt. Dimensions listed are gauged at a temperature of 20 degrees C. Note: aluminum expands and contracts with temperature variations.
2. Your pistons are manufactured from 2618 low-silicon aerospace aluminum alloy.
3. Clearance is built into piston based upon finished bore for normal operating conditions.
4. Clearances listed below are minimum. Some applications such as supercharged, turbo, nitrous and endurance applications may require 0,025-0,076 mm to be added to the minimum clearances. Cold water pickup marine applications may require an additional 0,051-0,102 mm clearance.

Bore Range Min. Clearance Sport compact:
63,50-92,00mm = 0,076-0,089 mm
92,00-101,60mm = 0,089-0,102 mm



NOTES

NOTES