

# TOTAL SEAL®

Master Catalog  
Volume 50

*High Performance*  
PISTON RINGS

1967-2017

50

*Proven Performance*  
YEARS









# INDUSTRY ICON

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## Joe Moriarty Sr. Passes

Joe Moriarty, Senior, founder of Total Seal® Piston Rings, lost his battle with heart disease and passed away June 1, 2016 at his home in Phoenix, Arizona. Joe was a prolific inventor, holding several patents on Piston Rings, including Total Seal's Gapless® and Diamond Finish™ rings. He was inducted into the MPMC Hall of Fame at the 2014 PRI Show in Indianapolis, Indiana. Total Seal® Piston Rings was originally started by Moriarty in 1967 with a rotary engine design that was intended for Original Equipment manufacturers.

Moriarty always had a passion for horsepower – and for airplanes. Joe continued his love of aviation throughout his life, restoring several planes including a Staggerwing Beechcraft, a Fouga Jet, a CJ6, and a Glasair. Total Seal® Piston Rings has seen tremendous growth in the past years, developing some of the most advanced steel ring manufacturing capabilities available in the world today. Total Seal's success is directly related to Moriarty's hard work and dedication, placing the company in the industry leadership position it enjoys today.

Born Maurice Joseph Moriarty in 1928 in Indian Orchard, Massachusetts, Moriarty leaves behind his loving wife of 48 years, Donna, and his children, Laureen, Tom, Patricia, Mike, John, Beth, Steve and Joey. He also has 17 grandchildren. His namesake, Joey Moriarty, will continue to run Total Seal Piston Rings in Phoenix, Arizona. His family, friends and the industry will miss this extraordinary, ingenious man of multiple talents.





# NEW PATENTED PERFORMANCE ADVANTAGE

Featuring Total Seal's® Exclusive Power Producing  
Radial Notch Technology

## TOTAL CONFORM™ PISTON RINGS

Total Seal's Total Conform™ piston ring upgrade features our patented\* *Radial Notch Design* that allows the ring to "conform" to cylinder walls to provide a substantial increase in horsepower and torque while reducing blow-by.

- A full width radial wall ring that efficiently conforms to bore distortions like a shallow radial wall ring
- Precise, constant end radius of notches minimizes stress, maximizes conformability, and eliminates the chance of failure from fracturing
- Features lower mass, higher efficiency and improved crankcase vacuum
- Total Conform™ piston ring upgrade is available on any of Total Seal® steel ring series, including AP Advanced Profiling™ Steel, Diamond Finish™ Steel, and M2 Steel rings
- Total Conform™ piston rings are also available with optional C-23, C-33, C-69, C-72 or DLC face coatings that are easy on cylinder walls and won't chip or flake

The top engine builders in NASCAR, NHRA and every form of racing rely on the proven performance of Total Seal® Piston Rings. Discover for yourself, the difference that Total Seal® Piston Rings can make in your race engine.

Contact us today and learn more about the incredible new  
Total Conform™ piston ring design.

800-874-2753  
TotalSeal.com  
Tech Line: 623-587-7400



\* Patent No. 9,334,959

HOME OF THE GAPLESS® PISTON RING



# TOTAL SEAL®

*High Performance*  
PISTON RINGS

## NEW TOTAL SEAL® LUBRICANTS

Formulated for Total Seal by DRIVEN Racing Oil, born from Joe Gibbs Racing. These unique lubricants provide the highest levels of zinc and phosphorus for optimum ring seating during that critical initial break-in period. *For maximum performance and prolonged ring life, make sure you break-in your engine right with new Total Seal® Break-In Oil!*



### NEW TOTAL SEAL® BREAK-IN OILS

- Petroleum oil provides the highest levels of zinc and phosphorus
- Additive package promotes superior ring seating while providing maximum protection during initial break-in
- Requires no additional additives
- Compatible with methanol and high-octane race fuels
- Specifically designed for optimum ring seating

### BR10 BREAK-IN OIL – Exclusively Formulated for TOTAL SEAL®. Viscosity typical of SAE 0W-10.

- For ring break-in on competition engines only
- Should be used in engines that race on 0W-0 to 0W-20 grade oils
- Promotes superior ring seating for maximum compression and horsepower
- Leaves a thin protective film that allows the rings to seat in quickly
- Fully formulated and require no EOS or other additives
- Can be used for up to 2 hours of break-in/dyno time before changing to race oil



### BR 30 BREAK-IN OIL – Viscosity typical of SAE 5W-30

- Same formula as original BR and BR10 in a SAE 5W-30 viscosity
- Good for tight clearance and/or low temperature break-in
- Specifically designed for breaking in engines and promoting superior ring seating
- Good for restrictor plate engines, drag race engines, and OEM rebuilds

### BR BREAK-IN OIL – Viscosity typical of SAE 15W-50.

- Specifically designed for breaking in engines and promoting superior ring seating
- Fully formulated and require no EOS or other additives
- Can be used for up to 2 hours of break-in/dyno time before changing to race oil



### NEW TOTAL SEAL® ASSEMBLY LUBE

- Provides a tenacious yet fluid film to protect reciprocating and rotating components during assembly and initial break-in
- Non-foaming product mixes with break-in oil and extends film thickness during the critical break-in process
- Can be added to regular oil to increase film thickness
- Does not harden or cause parts to become sticky

Call us, we offer the technical expertise and assistance to help give you the *Total Seal® horsepower advantage!*



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Tech Line: 623-587-7400

**HOME OF THE GAPLESS® PISTON RING**



# TOTAL SEAL®

## High Performance PISTON RINGS

### TOTAL SEAL® SPECIALTY RING TOOLS



Total Seal's new Power Ring Filer is perhaps the best piston ring filer available on the market and makes ring filing a simple task. This is the ultimate tool for precision ring grinding. The Total Seal Power Ring Filer is extremely accurate and features a dial indicator read out. It features a high output 1/15 HP ball bearing motor that operates at 3000 RPM. Included with the Filer is a 3" x 1/8" grinding wheel, 2-1/2" x 1/2" de burring wheel and a diamond wheel dresser.

Available in two models:

- 110V (Part No. PRF-812DW)
- 220V (Part No. PRF-822DW)

Total Seal now offers Custom Sized Ring Compressors. These are available in almost any bore size and available in 2 degree or 5 degree tapers. The 2 degree taper aids with installation of rings with very shallow depth, like our 0.7mm Diamond Finish™ rings or any other similar shallow depth rings. They're machined from heat treated aluminum and hard anodized for a long life of use.

These Custom Sized Ring Compressors help to complement Total Seal's full assortment of Ring Installation Tools. The selection includes Adjustable Ring Compressors that adjust from 2.700"-2.800" to 4.575"-4.700", Ring Squaring Tools for checking proper ring end gap prior to installation, and Ring Installation Pliers that help to prevent bending the ring while being installed on the piston.

Custom Sized  
Ring Compressor



Adjustable Ring Compressor



Ring Squaring Tools



Ring Pliers

TotalSeal.com  
800-874-2753  
Tech Line: 623-587-7400



**HOME OF THE GAPLESS® PISTON RING**



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WE CAN DO IT!***



## How to Order



Call us for a distributor near you or order direct at **(800) 874-2753.**

### DISTRIBUTION CENTER INFORMATION

Our hours are 7:00 a.m. to 5:00 p.m. MST., (*Remember, Arizona does not change to daylight saving time*). Monday through Friday. Total Seal® will be closed Saturday, Sunday and all legal holidays.

#### **TOTAL SEAL®, INC.**

22642 North 15th Avenue  
Phoenix, AZ 85027

**Toll-Free Order Line:** (800) 874-2753

**Technical Line:** (623) 587-7400

**24 Hour Fax Line:** (623) 587-7600

**Website:** [www.totalseal.com](http://www.totalseal.com)

#### **TOTAL SEAL® exclusive distributor in the United Kingdom:**

##### **Performance Unlimited**

3 Chessingham Park  
Dunnington, York  
North Yorkshire YO19 5SE

**Phone:** 01904 489332

**Fax:** 01904 488355

**E-mail:**

[info@performanceunlimited.co.uk](mailto:info@performanceunlimited.co.uk)

**Website:**

[www.performanceunlimited.co.uk](http://www.performanceunlimited.co.uk)

#### **TOTAL SEAL® exclusive distributor in Australia:**

##### **Performance Wholesale Pty Ltd.**

6 Cronulla Court, Slacks Creek  
Queensland 4127

**Phone:** 61 7 3808 1986

**Fax:** 61 7 3808 5404

**Website:**

[www.performancewholesale.com.au](http://www.performancewholesale.com.au)

#### **TOTAL SEAL®**

##### **European distributor:**

##### **Matzinger Performance GMBH**

Huegelgasse 16  
2540 Bad Voeslau  
Austria

**E-mail:**

[info.performance@matzz.at](mailto:info.performance@matzz.at)

**Website:**

[www.matzz.at](http://www.matzz.at)

Total Seal® has an extensive world wide distribution network. If you would like to order direct we accept Mastercard, Visa, Discover and American Express, or UPS C.O.D.

C.O.D. orders will be money order or cashiers check unless previous authorization has been obtained.



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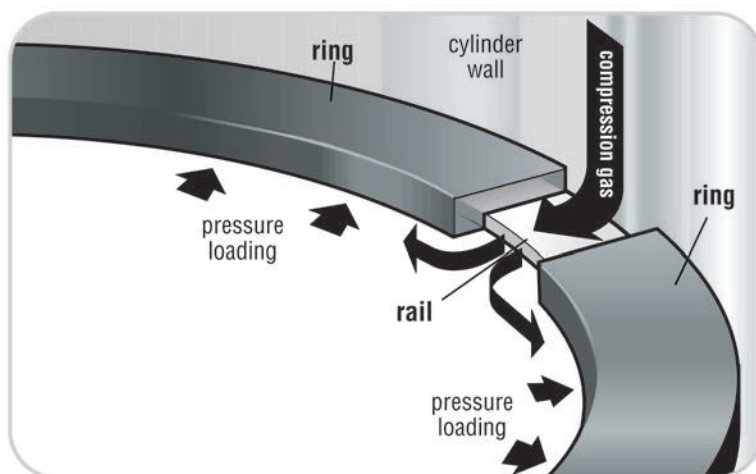
## Gapless® Piston Rings

Total Seal's patented Gapless® Piston rings provide increased performance through unmatched sealing of the cylinder and combustion gasses in the combustion chamber. Increased horsepower and torque along with longer engine life are just a couple of the reasons why Total Seal's Gapless® Piston rings are the best rings available. Here are many more.

- Increased horsepower and torque
- Longer engine life
- Saves money (fewer teardowns)
- Improved consistency
- Cleaner engine oil
- Longer ring life
- Better Oil control
- Less friction
- Lower engine oil temperatures
- Wider torque curve
- More engine vacuum
- Increased intake signal

### How it Works...

As shown in the illustration, compression gas is deflected by the rail into the piston groove and aid in pressure loading the ring throughout the 4 stroke cycle. At the same time the rail also and most importantly closes off the combustion gas leak path created by the ring end gap. This gap is the primary cause of blow-by in a 4 cycle engine. With a conventional type ring as the ring and cylinder wear the ring end gap increases and the blow-by figures increase. The Gapless® ring blow-by figures are not affected by this wear, as the ring end gap increases it is blocked by the rail portion of Total Seals patented interlocking 2 piece design stopping the blow-by at the source. Conventional style rings when newly installed will show leak down figures of 7% or higher these figures can quickly exceed 20% or higher after a surprisingly short period of time. Gapless® rings on the other hand when newly installed typically show leak down figures of 2% and lower and will should remain the same throughout the life of the engine.



### The Total Seal® Advantage

Total Seal® is the leader in Piston Ring technology with the ability to meet whatever special needs you may have. From IMCA modifieds to Winston Cup and Irl, Total Seal® can fit rings to your piston.

We will go out of our way to help our customers, and will make custom sets (backcut, special tensions...etc) for any specific piston you may have.



***If you don't see it, call us,  
WE CAN DO IT!***

## Ring Installation

Proper preparation is essential to achieving optimum performance from your piston rings. It is imperative that all rings be checked dimensionally with the ring grooves and with the cylinder bore.

Remove any burrs from the piston and the piston ring, they should not have any, but check!

Using a squaring tool put the ring in the bore to be used and measure the ring gap to make certain it is correct for the bore size and application. When measuring the ring gap it is recommended that the ring be below the top of the block at least one inch to avoid any taper from bore recession.

### Gapless® Top Rings

APPLICATION	FUEL	TOP RING	2ND RING	OIL RAIL
Street, strip, circle	Gas, Alky, E85	Bore x .0065"	Bore x .0055"	Min .015"
Nitrous up to 150HP	Gas, Alky, E85	Bore x .007"	Bore x .006"	Min .015"
Nitrous 150HP-350HP	Gas, Alky, E85	Bore x .0075"	Bore x .0065"	Min .015"
Nitrous 350HP+	Gas, Alky, E85	Bore x .008"	Bore x .007"	Min .015"
Mild boost up to 15lb	Gas, Alky, E85	Bore x .007"	Bore x .006"	Min .015"
Medium boost 15-30lb	Gas, Alky, E85	Bore x .0075"	Bore x .0065"	Min .015"
High Boost 30lb+	Gas, Alky, E85	Bore x .0085"	Bore x .008"	Min .015"
Mild boost up to 15lb	Nitro	Bore x .0075"	Bore x .0065"	Min .015"
Medium boost 15-30lb	Nitro	Bore x .0085"	Bore x .0075"	Min .015"
High Boost 30lb+	Nitro	Bore x .0095"	Bore x .0085"	Min .015"

### Gapless® 2<sup>nd</sup>'s or Conventional

APPLICATION	FUEL	TOP RING	2ND RING	OIL RAIL
Street, strip, circle	Gas, Alky, E85	Bore x .0045"	Bore x .0045"	Min .015"
Nitrous up to 150HP	Gas, Alky, E85	Bore x .0055"	Bore x .0055"	Min .015"
Nitrous 150HP-350HP	Gas, Alky, E85	Bore x .0065"	Bore x .0065"	Min .015"
Nitrous 350HP+	Gas, Alky, E85	Bore x .008"	Bore x .008"	Min .015"
Mild boost up to 15lb	Gas, Alky, E85	Bore x .0055"	Bore x .0055"	Min .015"
Medium boost 15-30lb	Gas, Alky, E85	Bore x .007"	Bore x .007"	Min .015"
High Boost 30lb+	Gas, Alky, E85	Bore x .008"	Bore x .008"	Min .015"
Mild boost up to 15lb	Nitro	Bore x .006"	Bore x .006"	Min .015"
Medium boost 15-30lb	Nitro	Bore x .008"	Bore x .008"	Min .015"
High Boost 30lb+	Nitro	Bore x .009"	Bore x .009"	Min .015"

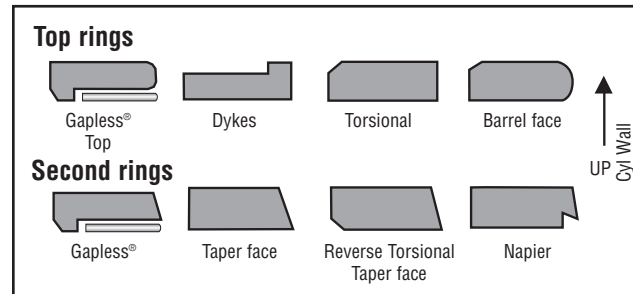
**Disclaimer:** These are general gapping recommendations and are not to be considered absolute. State of engine tune, operating environment and personal experience must also be considered. If for any reason you are in question of these general guidelines call or e-mail us prior to final assembly. Ph 800-874-2753 or 623-587-7400. E-mail info@totalseal.com

## HELPFUL TIPS FOR RING FITTING AND SEATING

All pistons (including new ones) should be checked for proper ring to groove clearances.

Ring to piston groove back clearance should be a MINIMUM of .005" deeper than radial wall dimension of piston ring. If piston ring sticks out of groove by any amount, you have the wrong rings (see fig. 1).

Ring to groove side clearance should be a minimum of .0015 to a maximum of .003" (see fig. 1).



## Boring and Honing

Boring and Honing is becoming a very complicated subject as cylinder finishes become more refined and oils become more slippery. There are a number of different honing procedures depending upon ring material, ring tension, block material, and application. If you have any questions about how your cylinder should be honed, please contact us at 800-874-2753 so that we can learn more about your application and designate a specific honing procedure just for you.

## Ring Seating

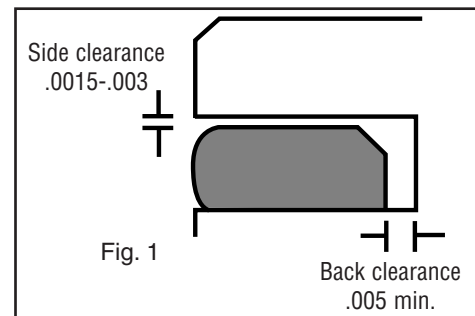
When first starting your engine to ensure proper ring seating, do not allow the engine to idle for long periods at a time. It is a good idea to mildly load the engine as soon as you can. Highway driving is a good way to properly seat the rings quickly. Do not idle the engine as idling does not break in any engine. Total Seal® DOES NOT recommend the use of synthetic oils during break-in. After 2000-3000 miles on the street, or one night racing on the track, the rings should be adequately seated so that any oil you prefer can then be used.

## Valve Guides and Seals

Total Seal® recommends using a positive valve guide seal preferably made of viton on all applications. Proper valve stem to guide clearances must also be maintained.



**If you don't see it, call us,  
WE CAN DO IT!**





## Total Seal® FAQ's

### QUESTION:

*Do Total Seal rings require special cylinder honing?*

### ANSWER:

No, Total Seal rings do not require special cylinder honing. But they like all piston rings do require proper cylinder honing. One of the most common causes of ring sealing issues today is improper cylinder honing. It's not uncommon to see engine blocks and cylinder sleeves ranging in hardness from approximately 150 to over 300 on the brinell scale. Yet it is very common to see these all of these being honed using the exact same process. The end results vary dramatically. These results are measured with a tool known as a surface roughness tester. The results are measured as Ra, Rz, Rpk, Rk, and Rvk and vary depending on the specific application. Basically these numbers are telling us to how rough the cylinder is and how well it can retain oil. An overly rough cylinder will prematurely wear the rings while an overly smooth cylinder may never seat the rings and can lead to cylinder burnishing. Cross hatch angles can also vary depending on the application, These angles determine the critical ring rotation speed, generally a 45° cross hatch angle will do a very good job. Though some O.E. applications do vary from this, if your not sure check before you proceed. To steep of a cross hatch angle can cause the rings to pump oil, rotate too quickly leading to accelerated ring and ring groove wear. Too flat of a angle can cause a chattering effect as the ring passes over the valley preventing the ring from receiving proper lubrication again leading to excessive ring wear. If you're not sure about the proper honing procedures and cross hatch angle for your specific application please give us a call.

The following recommendations are for most general applications.

Ra 10-20 μ in.  
Rz 10 times the Ra  
Rk 30-50 μ in.  
Rpk 5.0-20 μ in.  
Rvk 50-100 μ in.

### QUESTION:

*What advantage does the gapless top ring offer over the gapless 2nd ring?*

### ANSWER:

The Total Seal gapless top ring is the natural evolution of the gapless second. By moving the gapless ring to the #1 ring groove we effectively seal the cylinder closer to the combustion chamber. This not only increases the cylinder seal on the compression and power strokes but also improves the ring seal on the intake stroke resulting in better cylinder filling on a normally aspirated engine. The increased amount of force generated by the combustion process in turn delivers a greater amount of energy to the crankshaft. The choice is yours and either ring offers superior cylinder sealing.

### QUESTION:

*Can I use a gapless top ring if my piston is gas ported?*

### ANSWER:

Yes, Gas porting aids in keeping any top ring seated in high rpm / high cylinder pressure applications.

### QUESTION:

*Can I break my engine in on synthetic oil?*

### ANSWER:

Though we have seen it done successfully on occasion we do not recommend it. We have seen the best and most consistent results breaking the engine in on light viscosity conventional oil. Synthetics can be used after completing the break process.

### QUESTION:

*What should I set my end gaps to?*

### ANSWER:

Please follow the gapping chart supplied with the ring set. Different applications require different amounts of gap. If for some reason the gapping chart is missing or your just not sure please call our tech line and they will gladly help you make the right choice.

### QUESTION:

*When file fitting the gapless ring do I need to file rail?*

### ANSWER:

Yes the ring and the rail need be filed\*. Follow the gapping chart supplied with the ring set.

\* The rail end gap can be larger than the primary ring but not smaller.

### QUESTION:

*Which way does the gapless ring go on the piston rail side up or down?*

### ANSWER:

The gapless ring is always installed rail side down.

### QUESTION:

*What is Quickseat?*

### ANSWER:

Quickseat is our patented dry film cylinder wall assembly lube. It's quite unique in that it is a dry lube this helps to prevent glazing of the rings from the over use of assembly oil. It also provides outstanding lubrication during the critical initial start up period helping to prevent ring scuffing and cylinder wall burnishing.



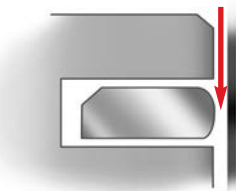
***If you don't see it, call us,  
WE CAN DO IT!***

***"I've been using Total Seal® rings in my engines for over 19 years. They've shown the most significant gains in power through improved cylinder sealing than any gains from cylinder heads or camshafts I've tried. Equally as important is the service and technical support I've received from their sales and tech staff."* – Don Ott, Don Ott Racing Engines**

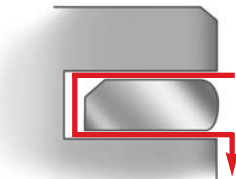
We thought this was an accurate quote that many people may question. The following briefly explains why and how piston rings have become such a vital part to your engine's performance and helps to explain why the above statement should be read again.

## ***Piston Ring Function...Sealing for Horsepower.***

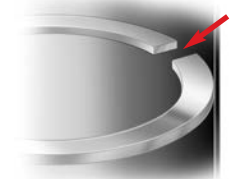
There are three leak paths for blow-by to escape past the piston into the crankcase and we all know that *any* blow-by leaking past the piston is horsepower lost. Let's examine one path at a time...



***THE FACE OF THE RING*** – The face of any compression ring can have many characteristics that may help or hinder cylinder sealing. The profile (barrel, taper..etc) can vary in many different ways that help the ring stay seated through piston rock over. Face coatings can also make a substantial difference with cylinder sealing depending on your cylinder wall material.



***THE SIDES OF THE RING*** – The side surfaces of the ring, that is the surfaces that seat against the piston flank itself are often overlooked but equally as important in sealing an engine. Simply, the flatter and smoother these sides are, the better they will seal against the piston and stop any blow-by from traveling around the ring land and into the crankcase.



***THE END GAP*** – Here is the correlation...the larger the end gap, the more blow-by and power reduction your engine will see.

Lets examine the strokes in a four stroke engine and the importance that cylinder sealing means to each...

***INTAKE*** – On any naturally aspirated engine, the better the rings are sealed inside the cylinder and against the piston, the more intake charge (air and fuel) will fill the combustion chamber. Ring seal is the only thing in a normally aspirated engine that draws air / fuel into the cylinder.

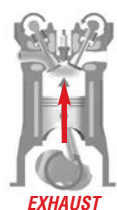
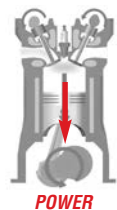
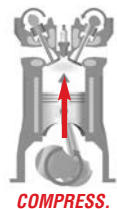
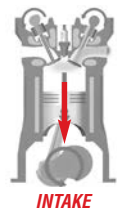
***COMPRESSION*** – The better the engine is sealed on the compression stroke, the higher the percentage of intake charge that previously filled the cylinder will be utilized. Ring seal is the only thing preventing the charge from leaking past the piston and into the crankcase.

***POWER*** – During this explosive event, the more explosion the rings keep above the piston, the higher the force will be exerted downward on the piston, resulting in more torque and horsepower.

***EXHAUST*** – The more efficiently the cylinder disposes of exhaust, the more that event in overlap, will help prime the intake stroke for cylinder filling.

***SIMPLY STATED...AN INCREASE IN PISTON RING SEAL RESULTS IN HIGHER VOLUMETRIC EFFICIENCY WHICH EQUALS INCREASED TORQUE AND HORSEPOWER.***

Total Seal® has worked hard trying to address each of the circumstances above. We have developed a number of separate ring lines from Gapless® to Diamond Finish™, all intended to improve the sealing of whatever engine you may have. Please look through our catalog, call and ask questions, and Total Seal will work with you to decide which ring set might be right for your situation.



## ***HOW FAST DO YOU WANT TO GO?***



# TOTAL SEAL® Technology



**M2 TOOL STEEL RINGS (SEE INSIDE FRONT COVER)**

**AP ADVANCED PROFILING™ STEEL TOP RINGS (SEE INSIDE FRONT COVER)**

## DIAMOND FINISH™

The flattest, tightest tolerance piston rings available anywhere. Intended for hard core racing and currently in use at the highest levels of *STOCK CAR*, *DRAG* and *OPEN WHEEL COMPETITION*.

Top rings are produced to an axial tolerance of  $\pm .000050$ " with a surface roughness of  $<4$  microinches. Radial tolerance is held to  $\pm .0005$ ". Face coatings include plasma moly or state of the art proprietary PVD coatings.

Diamond Finish™ 2<sup>nd</sup> rings are produced to the same tight tolerances shown above and are available with a standard taper face or new sharp edge technology napier design. Combine the Diamond Finish™ top and second rings with our "special application" oil rings for the ultimate ring set.

## GOLD FINISH™

New Total Seal® Gold Finish™ rings utilize tighter tolerances, sharp edge technology and PVD coatings for superior performance. Similar in design and technology to our Diamond Finish™ rings used by the top teams in racing, Gold Finish™ rings are more economical and were developed specifically for Saturday Night and Sportsman level racers.

## TNT™ Top ring

This unique hybrid martensitic ductile iron ring is specifically engineered to withstand the rigors of extreme abuse such as in nitrous and forced induction applications. Optional aerospace face coatings make them easy on cylinder walls yielding long life in street or strip applications. Fully machined in house allows us to hold tight tolerances insuring a superior ring seal no matter what the application, so whether you're a professional racer or weekend warrior, the TNT™ Top ring has you covered.

Most popular sizes now available, custom sizes by request.

**AEROSPACE STYLE COATINGS** are one of the most significant advances in the performance engine building industry to come along in years. Total Seal® has done extensive research on which are best for use on a piston ring and its related surfaces. The following is a list our current coatings and their applications.

**C-23™** is our pvd-applied face coating reducing friction and wear while offering better heat transfer and is compatible with most cylinder materials and cylinder coatings.

**C-69™** is our pvd-applied face coating reducing friction and wear while offering better heat transfer and is compatible with most cylinder materials and cylinder coatings. Option on M2 Tool Steel Rings.

**C-72™** is our pvd-applied face coating specifically engineered for hard-coated cylinders it offers the same performance gains as C-23™ with exceptional long term wear characteristics.

**C-33™** is our pvd-applied chrome nitride [CrN] face coating for those looking for the same characteristics as a chrome faced ring but without the seating problems commonly associated with chrome.

**D-47™** is our side coating used on the top and bottom ring flank offering exceptional ring to ring groove lubricity helping to eliminate micro welding. It is the standard side coating supplied with our Diamond Finish™ rings.

**P-92™** is our PVD face coating reducing friction and wear available on Gold Finish™ ring sets.

Total Seals coatings are available on **Diamond Finish™**, **TNT™**, **AP**, **Gold Finish™** and **M2 Tool Steel** top rings.

## ASSEMBLY LUBRICANT

Specifically engineered by Total Seal® to provide proper ring lubrication during initial break in. AL8's clinging nature allows it to stay in place until the engine is placed in service. During initial start up it burns off quickly and cleanly leaving no residue. Used on it's own or combine it with Quickseat® for the most advanced piston and ring assembly lubrication available helping to assure fast and complete ring seating.



**If you don't see it, call us,  
WE CAN DO IT!**

# DON'T JUST TAKE OUR WORD FOR IT, HERE'S WHAT OUR CUSTOMERS HAVE TO SAY...

"Whether you're building a LS engine for the street, a record setting turbo Pro Mod, or anything in between, Total Seal has a ring package for it!"

**Doug Patton**  
*Pro Line Racing*

"Total Seal gapless top rings and napier second rings are without a doubt the best ring combination that we have ever used in our engines. Their performance in our aluminum block engines is outstanding."

**Jack Cornett**  
*Cornett Racing Engines*

"Total Seal makes the best rings we have ever used! The quality control combined with their great service and technical support, makes them a combination that can't be beat! Our engines use Total Seal rings exclusively, because they are the best rings on the market."

**David Nickens**  
*Nickens Brothers Racing*

"Total Seal's commitment to quality and personalized service make them the only ring we use in our engines."

**Ron Hutter**  
*Hutter Racing Engines*

"I could name several reasons why we use Total Seal Rings and the success that we have experienced. But the single most comment we receive from our customers is that they can't believe after 10-15 races on their engine the leak down is still 1-2%!! The guys I deal with, Keith and Ed have been nothing short of awesome as anytime we have needed something they have always delivered!!"

**Kelly Westphal**  
*Wesmar Racing Engines*

"Today's sprint car engines run above 9000 rpm in very "dirty" and demanding environments. Striving for longevity with minimum friction and maximum ring seal is a consistent challenge. We rely on Total Seal rings with confidence ! In fact we often re-dyno engines returned for rebuild to find no power loss or crankcase vacuum reduction. Thanks Again, Total Seal."

**Charlie Fisher**  
*Fisher Racing engines*

"We use Total Seal Piston Rings exclusively in our Pro Stock Engines because they offer us consistency and quality that is 2nd to none. We know that every time we install a set of Total Seal Rings that we will have the best ring seal possible."

**Greg Stanfield**  
*Stanfield Enterprises*

"I am fussier than most. I live and die by the blow by meter. Every engine I build uses Total Seal Rings. I use Total Seal Piston Rings because of their superior ring seal qualities. The service and technical support at Total Seal is 2nd to none."

**Steve Schmidt**  
*Steve Schmidt Competition Engines*

"TOTAL SEAL rings, you can't beat quality, great service and know how."  
**John and Bill Schlieper**  
*Pro Power Racing Engines*



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**HOME OF THE GAPLESS® PISTON RING**



# Total Seal® Users



EARNHARDT CHILDRESS RACING TECHNOLOGIES INC.



SHANE STEWART



MIKE JANIS



BILL GLIDDEN



TODD PATTERSON



KEVIN STUDAKER



BRIAN BIRKHOFFER



DALE HOLLIDGE



KURT JOHNSON



WARREN JOHNSON



*If you don't see it, call us,  
WE CAN DO IT!*

# AP Ultra-Thin Piston Ring Packs

# NEW

**NEW TOTAL SEAL® AP ULTRA-THIN RING PACKS OFFER MAXIMUM EFFICIENCY AND SIGNIFICANTLY REDUCED FRICTION FOR NORMALLY ASPIRATED ENGINES.**

New Total Seal® AP Ultra-Thin piston ring packs feature 0.9mm, 0.9mm, 2.0mm ring sets. They include AP Advanced Profiling Steel top rings, ductile iron Napier 2nd rings (in most sets where available) and standard tension oil rings.

- Thinner combination of AP Ultra-Thin rings dramatically reduces friction
- .125" radial depth for excellent bore conformability
- Reduced stack height permits use of a piston with a very short compression height allowing the use of longer connecting rods, and/or increased strokes while keeping the wrist pin out of the oil ring groove
- Available in Gapless® or Conventional styles
- **New sizes** now available in .9 0.9 3.0mm & 1.0 1.0 2.0mm combinations.

## RING PACK COMPARISON

Ring Pack	TOP RING		2ND RING		OIL RING		TOTAL WEIGHT
	Axial	Tension	Axial	Tension	Axial	Tension	
Standard	1/16	5.7LBF	1/16	5.5LBF	3/16	20LBF	52.1G
Standard	1.5MM	3.2LBF	1.5MM	3.0LBF	3.0MM	11LBF	37.1G
Standard	.043"	2.0LBF	.043"	1.8LBF	3.0MM	11LBF	30.2G
Ultra-Thin	0.9MM	1.0LBF	0.9MM	.8LBF	2.0MM	8.0LBF	19.3G



BORE SIZE	RING PACK	CONV TOP RING SET	GAPLESS® TOP RING SET
3.800	0.9 0.9 2.0	CS9923800	MS9923800
4.000	0.9 0.9 2.0	CS9924000	MS9924000
4.000	0.9 0.9 3.0	CS9934000	MS9934000
4.000	1.0 1.0 2.0	CS1124000	MS1124000
4.010	1.0 1.0 2.0	CS1124010	MS1124010
4.020	0.9 0.9 2.0	CS9924020	MS9924020
4.020	0.9 0.9 3.0	CS9934020	MS9934020
4.020	1.0 1.0 2.0	CS1124020	MS1124020
4.030	0.9 0.9 2.0	CS9924030	MS9924030
4.030	0.9 0.9 3.0	CS9934030	MS9934030
4.030	1.0 1.0 2.0	CS1124030	MS1124030
4.040	0.9 0.9 2.0	CS9924040	MS9924040
4.040	0.9 0.9 3.0	CS9934040	MS9934040
4.040	1.0 1.0 2.0	CS1124040	MS1124040
4.050	1.0 1.0 2.0	CS1124050	MS1124050
4.060	0.9 0.9 2.0	CS9924060	MS9924060
4.060	0.9 0.9 3.0	CS9934060	MS9934060

BORE SIZE	RING PACK	CONV TOP RING SET	GAPLESS® TOP RING SET
4.060	1.0 1.0 2.0	CS1124060	MS1124060
4.070	1.0 1.0 2.0	CS1124070	MS1124070
4.080	1.0 1.0 2.0	CS1124080	MS1124080
4.090	1.0 1.0 2.0	CS1124090	MS1124090
4.100	0.9 0.9 2.0	CS9924100	MS9924100
4.100	0.9 0.9 3.0	CS9934100	MS9934100
4.125	0.9 0.9 2.0	CS9924125	MS9924125
4.125	0.9 0.9 3.0	CS9934125	MS9934125
4.125	1.0 1.0 2.0	CS1124125	MS1124125
4.130	0.9 0.9 2.0	CS9924130	MS9924130
4.130	0.9 0.9 3.0	CS9934130	MS9934130
4.130	1.0 1.0 2.0	CS1124130	MS1124130
4.135	0.9 0.9 2.0	CS9924135	MS9924135
4.135	0.9 0.9 3.0	CS9934135	MS9934135
4.135	1.0 1.0 2.0	CS1124135	MS1124135
4.140	0.9 0.9 2.0	CS9924140	MS9924140
4.140	0.9 0.9 3.0	CS9934140	MS9934140
4.140	1.0 1.0 2.0	CS1124140	MS1124140
4.145	0.9 0.9 2.0	CS9924145	MS9924145
4.145	0.9 0.9 3.0	CS9934145	MS9934145
4.145	1.0 1.0 2.0	CS1124145	MS1124145
4.150	0.9 0.9 2.0	CS9924150	MS9924150



**If you don't see it, call us,  
WE CAN DO IT!**



# AP Ultra-Thin Piston Ring Packs (continued)

BORE SIZE	RING PACK	CONV TOP RING SET	GAPLESS® TOP RING SET
4.150	0.9 0.9 3.0	CS9934150	MS9934150
4.150	1.0 1.0 2.0	CS1124150	MS1124150
4.155	0.9 0.9 2.0	CS9924155	MS9924155
4.155	0.9 0.9 3.0	CS9934155	MS9934155
4.155	1.0 1.0 2.0	CS1124155	MS1124155
4.165	0.9 0.9 2.0	CS9924165	MS9924165
4.165	0.9 0.9 3.0	CS9934165	MS9934165
4.165	1.0 1.0 2.0	CS1124165	MS1124165
4.170	0.9 0.9 2.0	CS9924170	MS9924170
4.170	0.9 0.9 3.0	CS9934170	MS9934170
4.170	1.0 1.0 2.0	CS1124170	MS1124170
4.185	0.9 0.9 2.0	CS9924185	MS9924185
4.185	0.9 0.9 3.0	CS9934185	MS9934185
4.185	1.0 1.0 2.0	CS1124185	MS1124185
4.190	0.9 0.9 2.0	CS9924190	MS9924190
4.190	0.9 0.9 3.0	CS9934190	MS9934190
4.200	0.9 0.9 2.0	CS9924200	MS9924200
4.200	0.9 0.9 3.0	CS9934200	MS9934200
4.200	1.0 1.0 2.0	CS1124200	MS1124200

BORE SIZE	RING PACK	CONV TOP RING SET	GAPLESS® TOP RING SET
4.210	0.9 0.9 2.0	CS9924210	MS9924210
4.210	0.9 0.9 3.0	CS9934210	MS9934210
4.220	0.9 0.9 2.0	CS9924220	MS9924220
4.230	0.9 0.9 3.0	CS9924230	MS9924230
4.240	0.9 0.9 2.0	CS9924240	MS9924240
4.240	0.9 0.9 3.0	CS9934240	MS9934240
4.250	0.9 0.9 2.0	CS9924250	MS9924250
4.250	0.9 0.9 3.0	CS9934250	MS9934250
4.310	0.9 0.9 2.0	CS9924310	MS9924310
4.310	0.9 0.9 3.0	CS9934310	MS9934310
4.500	0.9 0.9 3.0	CS9934500	MS9934500
4.560	0.9 0.9 3.0	CS9934560	MS9924560
4.600	0.9 0.9 2.0	CS9924600	MS9924600
4.600	0.9 0.9 3.0	CS9934600	MS9934600
4.610	0.9 0.9 2.0	CS9924610	MS9924610
4.610	0.9 0.9 3.0	CS9934610	MS9934610
4.625	0.9 0.9 2.0	CS9924625	MS9924625
4.625	0.9 0.9 3.0	CS9934625	MS9934625
4.650	0.9 0.9 3.0	CS9934650	MS9924650



DARRELL LANIGAN



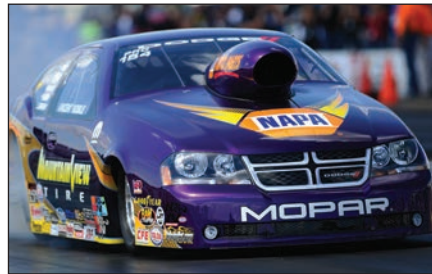
MARK BURCH



MIKE MORAN



MIKE FERDERER



VINCENT NOBILE



GARY STINNETT



**If you don't see it, call us, WE CAN DO IT!**

# M2 Tool Steel Top Rings



These rings offer the ultimate in durability over any other material commonly used in piston ring manufacturing.

M2 will handle extreme environments like ADRL & NHRA PRO MOD racing where copious amounts of Nitrous Oxide is used or supercharged applications like Top Fuel, Pro Mod & Top Alcohol, just to name a few. These rings keeps coming back, round after round, just as strong and sealed up, as they were on the first pass.

Total Seal M2 Tool Steel top rings are available in Gapless or conventional styles, with or without our proprietary C-69 anti friction face coating.

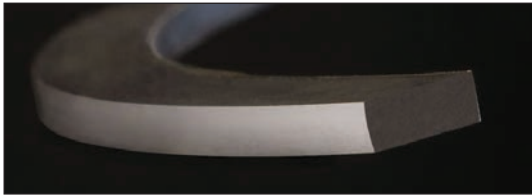
Unlike tool steel rings of the past; Total Seal's new M2 Tool Steel Rings have a uniform barrel face profile. The face has been pre-lapped for a smooth, quick seating, ring that is not aggressive towards the cylinder wall surface. For those wanting additional friction reductions we offer our C-69 PVD face coating as an option.

Another added benefit of Total Seal's M2 Tool Steel ring is the axial sizing. Total Seal holds the axial tolerance of .00015" by our Patented Lapping Process.

Total Seal M2 rings are also tested to be 100% light tight in their respective bore sizes. Take all these features and add our Gapless option and you have the most durable, best sealing ring, the market has ever seen.

M2 Tool Steel top rings are in stock and ready to ship in .017 dykes, .043", & 1/16" sizes and for most common bore sizes starting at 3.970" and as large as 5.125". Other sizes are just a phone call away all you need to do is ask.

**New** M2 Tool Steel 2nd Rings now available.



BORE	AXIAL	RADIAL	CONV PART#	GAPLESS® PART #	COATING
3.150	.0430	.172	900056	900056F	NONE
3.250	.0430	.172	900221	900221F	C-69
3.250	.0430	.172	900220	900220F	NONE
3.315	.0620	.172	900140	900140F	NONE
3.765	.0620	.172	900237	900237F	NONE
3.785	.0620	.172	900240	900240F	NONE
3.875	.0620	.172	900234	900234F	NONE
3.900	.0620	.172	900254	900254F	NONE
3.925	.0620	.172	900239	900239F	NONE
3.945	.0620	.172	900255	900255F	NONE
3.970	.0430	.172	900250	900250F	NONE
3.970	.0620	.172	900008	900008F	NONE
4.000	.0620	.172	900141	900141F	NONE
4.005	.0430	.172	900238	900238F	NONE
4.025	.0620	.172	900246	900246F	NONE
4.030	.0430	.172	900015	900015F	NONE
4.030	.0620	.172	900016	900016F	NONE
4.035	.0620	.172	900211	900211F	NONE
4.045	.0620	.172	900210	900210F	NONE
4.060	.0430	.172	900017	900017F	NONE
4.060	.0620	.172	900018	900018F	NONE
4.070	.0620	.172	900068	900068F	NONE
4.080	.0620	.172	900069	900069F	NONE
4.090	.0620	.172	900070	900070F	NONE
4.100	.0430	.172	900019	900019F	NONE

BORE	AXIAL	RADIAL	CONV PART#	GAPLESS® PART #	COATING
4.100	.0620	.172	900020	900020F	NONE
4.115	.0620	.172	900071	900071F	NONE
4.125	.017" DYKE	.172	900049		NONE
4.125	.0430	.172	900021	900021F	NONE
4.125	.0620	.172	900022	900022F	NONE
4.130	.0620	.172	900009	900009F	NONE
4.130	.017" DYKE	.172	900241		NONE
4.135	.0430	.172	900023	900023F	NONE
4.135	.0620	.172	900024	900024F	NONE
4.135	.0620	.172	900248	900248F	C-6
4.140	.0620	.172	900005	900005F	NONE
4.145	.0430	.172	900178	900178F	NONE
4.155	.0430	.172	900025	900025F	NONE
4.155	.0620	.172	900026	900026F	NONE
4.155	.0620	.172	900181	900181F	C-69
4.165	.0430	.172	900119	900119F	NONE
4.165	.0430	.172	900174	900174F	C-69
4.165	.0620	.172	900138	900138F	NONE
4.175	.0430	.172	900064	900064F	NONE
4.185	.0430	.172	900027	900027F	NONE
4.185	.0430	.172	900225	900225F	C-69
4.185	.0620	.172	900002	900002F	NONE
4.190	.0430	.172	900256	900256F	C-69
4.190	.0430	.172	900257	900257F	NONE
4.190	.017" DYKE	.172	900044		NONE
4.190	.0620	.172	900043	900043F	NONE
4.200	.0430	.172	900028	900028F	NONE
4.200	.0620	.172	900029	900029F	NONE

.0430 = .0425" ± .00015"  
.0620 = .0618" ± .00015"



**If you don't see it, call us,  
WE CAN DO IT!**



# M2 Tool Steel Top Rings (continued)

BORE	AXIAL	RADIAL	CONV PART#	GAPLESS® PART #	COATING
4.220	.0620	.172	900242	900242F	NONE
4.225	.0430	.172	900243	900243F	NONE
4.280	.0620	.172	900129	900129F	NONE
4.305	.0620	.172	900177	900177F	NONE
4.315	.0620	.172	900122	900122F	NONE
4.315	.017" DYKE	.172	900223		NONE
4.325	.017" DYKE	.172	900261		NONE
4.325	.0620	.172	900260	900260F	NONE
4.380	.0430	.172	900218	900218F	NONE
4.380	.0620	.172	900067	900067F	NONE
4.425	.0620	.172	900131	900131F	NONE
4.445	.017" DYKE	.172	900047		NONE
4.445	.0620	.172	900046	900046F	NONE
4.470	.017" DYKE	.172	900045		NONE
4.470	.0620	.172	900042	900042F	NONE
4.470	.017" DYKE	.172	900245		C-69
4.470	.017" DYKE	.172	900244		NONE
4.500	.017" DYKE	.172	900224		NONE
4.500	.0430	.172	900030	900030F	NONE
4.500	.0620	.172	900031	900031F	NONE
4.515	.017	.172	900180		NONE
4.530	.0430	.172	900032	900032F	NONE
4.530	.0620	.172	900033	900033F	NONE
4.560	.0430	.172	900034	900034F	NONE
4.560	.0620	.172	900035	900035F	NONE
4.560	.017" DYKE	.172	900219		NONE
4.570	.0430	.172	900176	900176F	NONE
4.600	.0430	.172	900036	900036F	NONE
4.600	.0620	.172	900037	900037F	NONE
4.605	.0170	.172	900194		NONE
4.605	.0430	.172	900038	900038F	NONE
4.605	.0620	.172	900000	900000F	NONE
4.615	.0430	.172	900057	900057F	NONE
4.615	.0620	.172	900264	900264F	NONE

BORE	AXIAL	RADIAL	CONV PART#	GAPLESS® PART #	COATING
4.625	.0430	.172	900039	900039F	NONE
4.625	.0620	.172	900040	900040F	NONE
4.630	.0430	.172	900041	900041F	NONE
4.630	.0620	.172	900001	900001F	NONE
4.635	.0430	.172	900013	900013F	NONE
4.635	.0620	.172	900014	900014F	NONE
4.640	.0620	.172	900004	900004F	NONE
4.650	.0430	.172	900052	900052F	NONE
4.650	.0620	.172	900159	900159F	NONE
4.675	.0430	.172	900061	900061F	NONE
4.675	.0620	.172	900202	900202F	NONE
4.675	.0620	.172	900205	900205F	NONE
4.675	.0620	.172	900247	900247F	C-69
4.680	.0430	.172	900058	900058F	NONE
4.685	.0620	.172	900206	900206F	NONE
4.700	.0430	.172	900055	900055F	NONE
4.705	.0430	.172	900055	900055F	NONE
4.750	.0430	.172	900059	900059F	NONE
4.755	.0430	.172	900051	900051F	NONE
4.755	.0620	.172	900050	900051F	NONE
4.765	.0430	.172	900053	900053F	NONE
4.800	.0430	.172	900066	900066F	NONE
4.810	.0620	.172	900188	900188F	NONE
4.880	.0430	.172	900010	900010F	NONE
4.890	.0430	.172	900063	900063F	NONE
4.900	.0430	.172	900062	900062F	NONE
4.975	.0170	.172	900201		NONE
4.975	.0430	.172	900006	900006F	C-69
4.975	.0430	.172	900003	900003F	NONE
4.985	.0430	.172	900192	900192F	NONE
5.005	.0430	.172	900011	900011F	NONE
5.005	.0430	.172	900195	900195F	C-69
5.005	.0620	.172	900048	900048F	NONE
5.020	.0430	.172	900212	900212F	NONE
5.050	.0430	.172	900012	900012F	NONE
5.050	.0430	.172	900054	900054F	C-69
5.050	.0620	.172	900226	900226F	NONE
5.085	.0430	.172	900189	900189F	NONE
5.125	.0620	.172	900065	900065F	NONE
5.145	.0430	.172	900126	900126F	NONE
5.160	.0620	.172	900232	900232F	NONE

.0430 = .0425" ± .00015"

.0620 = .0618" ± .00015"

# M2 Tool Steel 2nd Rings

## NEW

RING DIA	AXIAL	RADIAL	MATERIAL	COATING	PROFILE	PART #
4.980	.0620	.172	TOOL STEEL	NONE	NAPIER	900217
5.005	.0430	.170	TOOL STEEL	NONE	TAPER	900230
5.005	.0430	.170	TOOL STEEL	NONE	NAPIER	900226
5.005	.0620	.172	TOOL STEEL	NONE	NAPIER	900262
5.015	.0430	.172	TOOL STEEL	NONE	NAPIER	900267
5.030	.0430	.172	TOOL STEEL	NONE	NAPIER	900268
5.050	.0430	.172	TOOL STEEL	NONE	NAPIER	900269
5.050	.0620	.172	TOOL STEEL	NONE	NAPIER	900270



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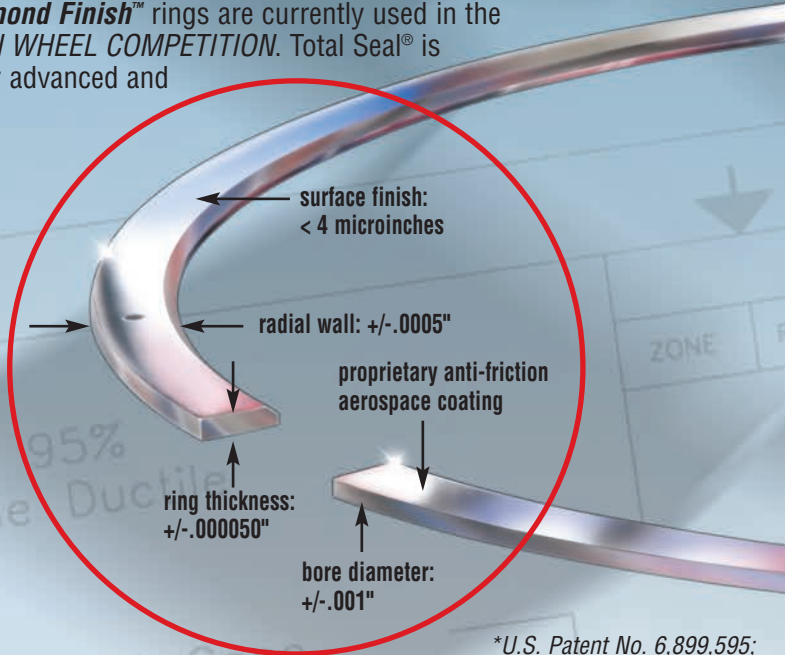
# TOTAL SEAL®

*High Performance*  
PISTON RINGS

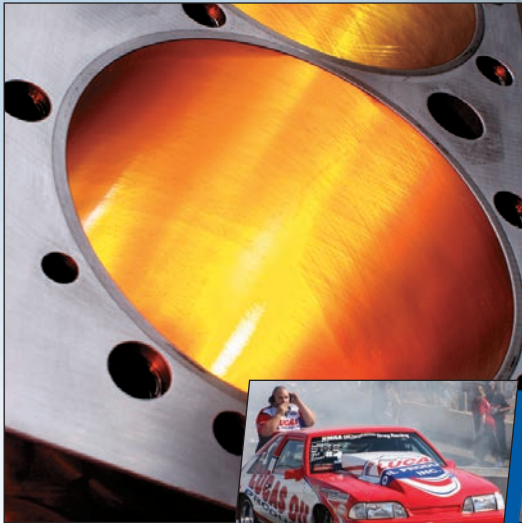
## Diamond Finish™ Rings

Intended for hard core racing, Total Seal® *Diamond Finish™* rings are currently used in the highest levels of *STOCK CAR*, *DRAG* and *OPEN WHEEL COMPETITION*. Total Seal® is driven to manufacture the most technologically advanced and highest quality piston rings available.

- Tolerances of  $\pm .000050''$
- Improved Sealing Between Piston and Piston Ring
- Optional PVD Coatings Engineered to Match Cylinder Material and Minimize Friction Losses
- Custom Axial Thickness Down to .6mm



\*U.S. Patent No. 6,899,595; 7,207,870; 7,267,602 and other patents pending.



Take a look at these winners. Different forms of motorsports, one common formula. Every race winning engine was built using Total Seal® Piston Rings.

## DIAMOND FINISH™ Anti-Friction Coated Top Rings

Total Seal's advanced manufacturing processes along with the use of aerospace materials and inspection allows use to produce piston rings with the flattest, tightest tolerances available anywhere. It's a winning formula, the flatter the ring lays against the piston ring flank the better it seals, the better it seals the more power you are going to make.

Top rings are produced to a axial tolerance of  $\pm .000050$ " with a surface roughness of  $<4$  microinches. Radial tolerance is held to  $\pm .0005$ ". Face coatings include plasma moly or state of the art proprietary PVD coatings.

Diamond Finish™ 2<sup>nd</sup> rings are produced to the same tight tolerances shown above and are available with a standard taper face or new sharp edge technology napier design. Combine the Diamond Finish™ top and second rings with our "special application" oil rings for the ultimate ring set.

RING TYPE	DESCRIPTION
555	Torsional ductile iron plasma moly face
556	Torsional TNT ni-chrome plasma barrel face
558	Torsional TNT barrel face
560	Steel chrome barrel face
563	Steel moly barrel face
655	Torsional ductile iron plasma moly face Gapless

RING TYPE	DESCRIPTION
658	Torsional TNT barrel face Gapless
660	Steel chrome barrel face Gapless
757	Torsional TNT barrel face with optional face coatings
758	High tensile iron barrel face with optional coatings
764	Steel barrel face optional face coatings
NC	Non chromed rails for use in coated cylinders

RING DIA	AXIAL	RADIAL	TYPE	FACE/STYLE	PART #
2.637	.0300	.103	764	C-23	101686
2.637	.0375	.103	764	C-33	101716
2.717	.0318	.105	764	C-33	102181
2.890	.0305	.122	764	C-23/GAPLESS	101593
2.890	.0310	.122	764	C-23	101592
3.031	.0247	.102	764	C-33	102275
3.071	.0236	.119	764	NONE	100511
3.071	.0274	.119	764	NONE	100508
3.190	.0390	.123	764	C-23	101084
3.190	.0390	.125	764	NONE	101190
3.257	.0384	.133	764	C-72/GAPLESS	100869
3.257	.0385	.133	764	C-72/GAPLESS	100928
3.257	.0388	.133	764	C-72	100863
3.315	.0274	.120	764	C-23	101698
3.315	.0325	.120	764	C-23	100123
3.347	.0370	.125	660	CHROME/GAPLESS	600072
3.378	.0325	.135	764	C-72	100515
3.386	.0370	.125	660	CHROME/GAPLESS	600015
3.386	.0390	.126	764	C-72/GAPLESS	100758
3.395	.0487	.135	560	CHROME	500805
3.425	.0274	.120	764	C-23	101541
3.448	.0380	.126	764	C-72	101954
3.465	.0274	.120	764	C-72	101215
3.505	.0305	.120	764	C-72	100522
3.508	.0274	.108	764	C-72	101950
3.510	.0274	.108	764	C-72	101931
3.525	.0276	.110	764	C-23	102298
3.525	.0276	.110	764	C-72	101990
3.530	.0276	.110	764	C-72	102297
3.543	.0375	.120	560	CHROME	500099
3.545	.0274	.121	764	C-23	100901
3.545	.0315	.121	764	C-23	101036
3.545	.0390	.137	560	CHROME	500638
3.545	.0570	.155	655	MOLY/GAPLESS	600026
3.550	.0392	.133	560	CHROME	500596
3.555	.0274	.121	764	C-23	101740
3.555	.0325	.135	764	C-23	100777
3.582	.0375	.134	560	CHROME	500690
3.585	.0390	.123	764	C-33	100656

RING DIA	AXIAL	RADIAL	TYPE	FACE/STYLE	PART #
3.600	.0274	.120	764	C-72	102035
3.622	.0269	.137	560	CHROME	500792
3.622	.0560	.150	555	MOLY	500067
3.622	.0570	.155	655	MOLY/GAPLESS	600083
3.642	.0482	.134	764	C-33	101696
3.652	.0274	.120	764	C-33	101464
3.660	.0274	.122	764	C-72	101338
3.661	.0325	.126	764	C-33	101282
3.667	.0384	.120	764	C-23	102015
3.700	.0559	.155	655	MOLY/GAPLESS	600092
3.700	.0565	.155	555	MOLY	500772
3.702	.0315	.123	764	C-33	101067
3.702	.0390	.123	764	C-72	100579
3.710	.0315	.124	764	C-23	100603
3.725	.0390	.126	764	C-23	100256
3.740	.0274	.122	764	C-23	101379
3.740	.0468	.134	764	C-72	100954
3.765	.0375	.134	764	C-72/GAPLESS	100955
3.780	.0325	.135	764	C-23	100822
3.780	.0450	.141	660	CHROME/GAPLESS	600084
3.785	.0585	.160	555	MOLY	500518
3.800	.0247	.100	764	C-33	102254
3.800	.0325	.135	764	C-72	100296
3.810	.0325	.135	764	C-72	100596
3.820	.0325	.135	764	C-23	101769
3.820	.0383	.126	764	C-33/GAPLESS	101652
3.825	.0325	.135	764	C-23	102256
3.858	.0232	.102	764	C-72	101456
3.900	.0587	.150	555	MOLY	500607
3.903	.0470	.145	555	MOLY	500369
3.905	.0325	.135	764	C-23	100196
3.905	.0587	.150	555	MOLY	500600
3.910	.0325	.135	764	C-23	100135
3.910	.0470	.150	555	MOLY	500353



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# DIAMOND FINISH™ Anti-Friction Coated Top Rings (continued)

RING DIA	AXIAL	RADIAL	TYPE	FACE/STYLE	PART #
3.925	.0274	.110	764	C-72	101712
3.925	.0274	.122	764	C-72	100875
3.925	.0292	.135	764	C-23	101616
3.925	.0325	.135	764	C-33	100807
3.925	.0325	.135	764	C-23	100281
3.925	.0325	.135	764	C-72	101725
3.935	.0274	.122	764	C-72	101378
3.937	.0450	.140	560	CHROME	500686
3.940	.0325	.135	764	C-72	100323
3.940	.0413	.155	555	MOLY	500464
3.940	.0415	.155	555	MOLY	500241
3.945	.0276	.110	764	C-23	101207
3.945	.0236	.110	764	C-72	101657
3.945	.0276	.110	764	C-72	101651
3.950	.0325	.135	764	C-23	101129
3.965	.0325	.135	764	C-23	100732
3.970	.0276	.110	764	C-72	101431
3.970	.0325	.135	764	C-23	100730
3.970	.0470	.150	555	MOLY	500837
3.970	.0470	.160	555	MOLY	500824
3.980	.0292	.135	764	C-23	102023
4.000	.0274	.119	764	C-72	100486
4.000	.0300	.119	764	C-72	100481
4.000	.0300	.122	764	C-72	100427
4.005	.0274	.119	764	C-23	101766
4.005	.0274	.119	764	C-72	100743
4.005	.0300	.119	764	C-23	100700
4.005	.0300	.119	764	C-72	100482
4.005	.0300	.123	757	NONE	750140
4.005	.0375	.134	764	C-33/GAPLESS	100965
4.005	.0413	.155	555	MOLY	500505
4.005	.0415	.155	555	MOLY	500001
4.005	.0463	.134	764	C-23	100707
4.005	.0470	.134	555	MOLY	500788
4.005	.0585	.155	655	MOLY/GAPLESS	600024
4.010	.0274	.119	764	C-23	100484
4.010	.0415	.155	555	MOLY	500170
4.015	.0325	.135	764	C-23	100212
4.015	.0410	.155	655	MOLY/GAPLESS	600039
4.015	.0415	.155	555	MOLY	500194
4.015	.0580	.155	655	MOLY/GAPLESS	600051
4.015	.0585	.155	655	MOLY/GAPLESS	600031
4.020	.0274	.119	764	C-23	100851
4.020	.0300	.119	764	C-72	100483
4.020	.0300	.122	764	C-72	100448
4.020	.0415	.155	555	MOLY	500169
4.025	.0236	.102	764	C-23	102209
4.025	.0274	.110	764	C-72	102268
4.025	.0274	.119	764	C-72	100491

RING DIA	AXIAL	RADIAL	TYPE	FACE/STYLE	PART #
4.025	.0325	.135	764	c-23	101683
4.025	.0415	.155	555	MOLY	500002
4.025	.0585	.155	655	MOLY/GAPLESS	600032NC
4.030	.0375	.155	555	MOLY	500459
4.030	.0415	.155	555	MOLY	500003
4.035	.0274	.119	764	C-72	100771
4.035	.0276	.110	764	C-72	101591
4.035	.0292	.135	764	C-23	101720
4.035	.0325	.135	764	C-23	100221
4.035	.0409	.155	555	MOLY	500549
4.035	.0410	.155	655	MOLY/GAPLESS	600027
4.035	.0411	.155	555	MOLY	500498
4.035	.0412	.155	555	MOLY	500479
4.035	.0413	.155	555	MOLY	500414
4.035	.0415	.155	555	MOLY	500004
4.040	.0274	.119	764	C-23	100951
4.040	.0415	.155	555	MOLY	500005
4.045	.0274	.110	764	C-72	101421
4.045	.0274	.119	764	C-23	100791
4.045	.0274	.119	764	C-72	100574
4.045	.0292	.135	764	C-23	102217
4.045	.0325	.135	764	C-23	100095
4.045	.0375	.134	764	C-33	101267
4.045	.0375	.155	555	MOLY	500159
4.045	.0407	.155	555	MOLY	500437
4.045	.0410	.155	555	MOLY	500568
4.045	.0412	.155	555	MOLY	500484
4.045	.0413	.155	555	MOLY	500485
4.045	.0415	.155	555	MOLY	500006
4.045	.0585	.155	655	MOLY/GAPLESS	600033
4.050	.0274	.119	764	C-72	101283
4.050	.0274	.119	764	C-72	101296
4.050	.0325	.135	764	C-23	100467
4.055	.0274	.119	764	C-72	100703
4.055	.0415	.155	555	MOLY	500577
4.060	.0292	.135	764	C-23	101064
4.060	.0325	.135	764	C-23	100134
4.060	.0415	.155	555	MOLY	500007
4.065	.0276	.110	764	C-72	101003
4.065	.0292	.135	764	C-23	101648
4.065	.0325	.120	764	C-33	101727
4.065	.0325	.135	764	C-23	100176
4.065	.0410	.155	555	MOLY	500495
4.065	.0413	.155	555	MOLY	500480
4.065	.0630	.130	757	C-23	750123
4.070	.0236	.110	764	C-72	101665
4.070	.0274	.122	764	C-72	100872
4.070	.0325	.120	764	C-33	102010
4.075	.0292	.135	764	C-23	102246
4.075	.0325	.120	764	C-33	101734
4.075	.0325	.135	764	C-23	100294
4.075	.0415	.155	555	MOLY	500009
4.075	.0592	.165	555	MOLY	500811
4.077	.0325	.135	764	C-72	102049



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# DIAMOND FINISH™ Anti-Friction Coated Top Rings (continued)

RING DIA	AXIAL	RADIAL	TYPE	FACE/STYLE	PART #
4.077	.0274	.110	764	C-72	102075
4.085	.0325	.135	764	C-23	100718
4.085	.0412	.155	555	MOLY	500520
4.085	.0413	.155	555	MOLY	500528
4.085	.0414	.155	555	MOLY	500527
4.085	.0415	.155	555	MOLY	500212
4.095	.0270	.110	764	C-72	101525
4.095	.0325	.135	764	C-72	101559
4.095	.0325	.135	764	C-33	101115
4.095	.0325	.135	764	C-72	101945
4.095	.0373	.140	555	MOLY	500532
4.095	.0374	.122	555	MOLY	500615
4.095	.0375	.122	555	MOLY	500826
4.097	.0236	.102	764	C-72	102280
4.097	.0270	.110	764	C-72	102239
4.105	.0254	.110	764	C-72	101503
4.105	.0276	.110	764	C-72	101501
4.105	.0325	.135	764	C-23	100690
4.105	.0415	.155	555	MOLY	500328
4.125	.0274	.119	764	C-23	101210
4.125	.0276	.110	764	C-72	101738
4.125	.0276	.110	764	C-72	101985
4.125	.0320	.135	757	C-23	750077
4.125	.0325	.135	757	C-23	750069
4.125	.0375	.155	555	MOLY	500264
4.125	.0415	.155	555	MOLY	500010
4.125	.0573	.155	655	MOLY/GAPLESS	600063
4.125	.0585	.150	764	C-72/GAPLESS	100613
4.125	.0585	.155	655	MOLY/GAPLESS	600042
4.130	.0274	.121	764	C-72	100921
4.130	.0280	.135	764	C-23	101680
4.130	.0292	.135	764	C-23	101570
4.130	.0300	.122	764	C-72	100438
4.130	.0301	.122	757	C-23	750081
4.130	.0307	.122	757	C-23	750138
4.130	.0325	.135	764	C-72	100801
4.130	.0325	.135	764	C-23	100277
4.130	.0375	.134	764	C-33/GAPLESS	100966
4.130	.0410	.155	757	C-23/GAPLESS	750137
4.130	.0415	.135	555	MOLY	500714
4.130	.0425	.155	555	MOLY	500070
4.130	.0466	.161	757	C-72	750090
4.130	.0585	.155	655	MOLY/GAPLESS	600078
4.135	.0236	.110	764	C-72	101601
4.135	.0274	.119	764	C-23	101322
4.135	.0292	.135	764	C-33	101594
4.135	.0300	.122	764	C-23	100598
4.135	.0307	.122	764	C-23	100364
4.135	.0325	.135	757	C-23	750105
4.135	.0325	.135	764	C-33	101465
4.135	.0325	.135	764	C-72	100394
4.135	.0410	.155	655	MOLY/GAPLESS	600021
4.135	.0415	.155	555	MOLY	500012
4.135	.0426	.170	757	C-72	750150

RING DIA	AXIAL	RADIAL	TYPE	FACE/STYLE	PART #
4.135	.0466	.161	757	C-23	750091
4.135	.0590	.187	555	MOLY	500862
4.135	.0590	.187	655	MOLY/GAPLESS	600087
4.140	.0325	.135	764	C-23	100586
4.140	.0410	.155	655	MOLY/GAPLESS	600058
4.140	.0418	.170	757	NONE/GAPLESS	750125
4.140	.0585	.155	655	MOLY/GAPLESS	600077
4.145	.0325	.135	764	C-72	100218
4.145	.0415	.155	555	MOLY	500080
4.145	.0592	.155	655	MOLY/GAPLESS	600100
4.150	.0274	.122	764	C-23	101479
4.150	.0325	.135	757	C-23	750037
4.150	.0325	.135	764	C-23	100811
4.150	.0375	.155	555	MOLY	500265
4.150	.0585	.155	655	MOLY/GAPLESS	600004
4.150	.0585	.155	655	MOLY/GAPLESS	600004NC
4.155	.0236	.102	764	C-72	102231
4.155	.0236	.110	764	C-72	101472
4.155	.0270	.122	764	C-72	100780
4.155	.0274	.119	764	C-72	101969
4.155	.0274	.110	764	C-72	102040
4.155	.0300	.122	764	C-72	100326
4.155	.0325	.120	757	C-23	750048
4.155	.0325	.135	764	C-72	100594
4.155	.0368	.140	555	MOLY	500576
4.155	.0370	.140	555	MOLY	500574
4.155	.0373	.140	555	MOLY	500419
4.155	.0374	.140	555	MOLY	500496
4.155	.0375	.155	555	MOLY	500160
4.155	.0415	.134	764	C-33/GAPLESS	100694
4.155	.0415	.155	555	MOLY	500078
4.155	.0415	.155	757	C-23/GAPLESS	750078
4.155	.0415	.155	757	C-23	750023
4.155	.0585	.155	655	MOLY/GAPLESS	600016
4.160	.0274	.119	764	C-72	100371
4.160	.0274	.131	764	C-72	100421
4.160	.0275	.135	764	C-23	100442
4.160	.0300	.122	764	C-72	100370
4.160	.0300	.122	764	C-72	100328
4.160	.0310	.135	764	C-23	101773
4.160	.0325	.135	764	C-23	100179
4.160	.0371	.140	555	MOLY	500648
4.160	.0373	.140	555	MOLY	500465
4.160	.0375	.155	555	MOLY	500185
4.160	.0408	.155	555	MOLY	500470
4.160	.0415	.120	555	MOLY	500861
4.160	.0415	.140	555	MOLY	500317
4.160	.0415	.155	757	C-23	750052
4.160	.0425	.155	555	MOLY	500085



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# DIAMOND FINISH™ Anti-Friction Coated Top Rings (continued)

RING DIA	AXIAL	RADIAL	TYPE	FACE/STYLE	PART #
4.160	.0487	.189	757	C-23	750111
4.165	.0236	.102	764	C-72	102244
4.165	.0236	.110	764	C-72	101663
4.165	.0270	.120	764	C-72	102220
4.165	.0274	.122	764	C-23	101278
4.165	.0300	.119	764	C-23	100185
4.165	.0300	.122	764	C-72	100304
4.165	.0325	.135	764	C-23	100085
4.165	.0410	.134	660	CHROME/GAPLESS	600068
4.165	.0415	.155	555	MOLY	500097
4.166	.0274	.110	764	C-72	101946
4.169	.0272	.120	764	C-72	100630
4.170	.0300	.119	764	C-72	100420
4.170	.0300	.119	764	C-23	100188
4.170	.0300	.122	764	C-23	100503
4.170	.0300	.122	764	C-72	100305
4.170	.0300	.135	764	C-23	100287
4.170	.0325	.135	757	C-23	750065
4.170	.0325	.135	764	C-23	100084
4.170	.0375	.155	555	MOLY	500161
4.170	.0408	.155	555	MOLY	500489
4.170	.0415	.140	555	MOLY	500242
4.170	.0415	.155	555	MOLY	500014
4.170	.0415	.155	758	C-23	700002
4.170	.0455	.155	555	MOLY	500073
4.170	.0585	.155	655	MOLY/GAPLESS	600010
4.172	.0236	.110	764	C-72	101495
4.175	.0200	.100	764	C-72	102283
4.175	.0270	.110	764	C-23	101987
4.175	.0300	.118	764	C-33	101774
4.175	.0300	.119	764	C-23	100129
4.175	.0300	.122	764	C-72	100962
4.175	.0300	.122	764	C-72	100306
4.175	.0325	.120	757	C-23	750051
4.175	.0325	.135	757	C-23	750064
4.175	.0325	.135	764	C-23	100083
4.175	.0325	.135	764	C-72	100113
4.175	.0405	.155	655	MOLY/GAPLESS	600089
4.175	.0407	.155	655	MOLY/GAPLESS	600056
4.175	.0410	.155	757	NONE/GAPLESS	750106
4.175	.0410	.155	757	C-23/GAPLESS	750018
4.175	.0410	.155	757	C-23/GAPLESS	750047
4.175	.0413	.155	555	MOLY	500709
4.175	.0415	.140	555	MOLY	500235
4.175	.0415	.155	757	C-23	750002
4.175	.0455	.155	555	MOLY	500096
4.178	.0236	.110	764	C-72	101681
4.179	.0301	.122	764	C-72	100897
4.180	.0220	.090	764	C-23	102179
4.180	.0260	.119	764	C-72	100401

RING DIA	AXIAL	RADIAL	TYPE	FACE/STYLE	PART #
4.180	.0273	.103	764	C-23	101555
4.180	.0274	.110	764	C-23	101509
4.180	.0274	.131	764	C-23	100432
4.180	.0274	.131	764	C-72	100338
4.180	.0300	.119	764	C-23	100599
4.180	.0300	.119	764	C-23	100636
4.180	.0300	.119	764	C-23	100128
4.180	.0300	.122	764	C-72	100307
4.180	.0300	.122	764	C-72	100241
4.180	.0304	.122	764	C-72	100320
4.180	.0307	.122	764	C-23	100184
4.180	.0307	.135	764	C-72	100546
4.180	.0310	.122	764	C-72	100572
4.180	.0325	.135	764	C-72	100080
4.180	.0325	.135	764	C-23	100115
4.180	.0325	.135	764	C-72	100112
4.180	.0325	.135	764	C-23	100081
4.180	.0325	.140	758	C-23	700015
4.180	.0373	.140	555	MOLY	500410
4.180	.0405	.145	758	C-23/GAPLESS	700017
4.180	.0405	.155	655	MOLY/GAPLESS	600054
4.180	.0405	.155	758	C-23/GAPLESS	700123
4.180	.0410	.155	757	C-23/GAPLESS	750019
4.180	.0415	.140	555	MOLY	500176
4.180	.0415	.140	757	C-72	750074
4.180	.0415	.155	555	MOLY	500044
4.180	.0415	.155	757	C-23	750032
4.180	.0415	.155	758	C-23	700006
4.180	.0418	.170	757	NONE/GAPLESS	750126
4.181	.0220	.090	764	C-23	102229
4.181	.0236	.110	764	C-72	101684
4.181	.0272	.110	764	C-72	102248
4.181	.0274	.110	764	C-72	102080
4.181	.0274	.120	764	C-72	101482
4.182	.0305	.122	764	C-72	100653
4.184	.0220	.090	764	C-23	102230
4.185	.0200	.100	764	C-72	102284
4.185	.0270	.110	764	C-72	100639
4.185	.0270	.110	764	C-23	101988
4.185	.0273	.103	764	C-72	101550
4.185	.0273	.103	764	C-23	101556
4.185	.0274	.110	764	C-23	101513
4.185	.0274	.120	764	C-72	100430
4.185	.0274	.131	764	C-23	100433
4.185	.0275	.135	764	C-23	100443
4.185	.0300	.119	764	C-23	100601
4.185	.0300	.119	764	C-23	100377
4.185	.0300	.122	764	C-23	100961
4.185	.0300	.122	764	C-72	100379
4.185	.0300	.122	764	C-72	100458
4.185	.0307	.123	764	C-72	100351
4.185	.0325	.135	764	C-23	100082
4.185	.0325	.135	764	C-33	100396
4.185	.0325	.135	764	C-72	100117



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# DIAMOND FINISH™ Anti-Friction Coated Top Rings (continued)

RING DIA	AXIAL	RADIAL	TYPE	FACE/STYLE	PART #
4.185	.0373	.140	555	MOLY	500478
4.185	.0375	.140	555	MOLY	500301
4.185	.0375	.155	555	MOLY	500311
4.185	.0398	.135	555	MOLY	500429
4.185	.0410	.155	655	MOLY/GAPLESS	600052
4.185	.0415	.135	757	C-23	750087
4.185	.0415	.155	555	MOLY	500052
4.185	.0415	.155	757	C-23	750029
4.185	.0422	.155	555	MOLY	500330
4.185	.0424	.155	555	MOLY	500331
4.185	.0585	.155	655	MOLY/GAPLESS	600002
4.190	.0200	.100	764	C-72	102282
4.190	.0270	.122	764	C-72	102120
4.190	.0274	.110	764	C-72	100982
4.190	.0274	.110	764	C-23	101515
4.190	.0292	.135	764	C-23	102098
4.190	.0300	.122	764	C-72	100803
4.190	.0325	.120	764	C-72	100514
4.190	.0386	.134	764	C-33	100973
4.190	.0410	.155	758	C-23/GAPLESS	700135
4.190	.0415	.155	758	C-23	700003
4.190	.0455	.155	555	MOLY	500091
4.190	.0467	.140	555	MOLY	500554
4.190	.0585	.155	655	MOLY/GAPLESS	600003NC
4.193	.0236	.110	764	C-72	101996
4.195	.0236	.100	764	C-72	102302
4.195	.0267	.110	764	C-72	101547
4.195	.0274	.110	764	C-23	101517
4.195	.0274	.110	764	C-72	101193
4.195	.0325	.120	764	C-72	100386
4.195	.0325	.135	764	C-23	100347
4.195	.0415	.120	555	MOLY	500860
4.195	.0415	.155	555	MOLY	500033
4.196	.0236	.110	764	C-72	101745
4.200	.0274	.120	764	C-72	100894
4.200	.0325	.120	764	C-72	100389
4.200	.0375	.155	555	MOLY	500312
4.205	.0235	.110	764	C-72	101661
4.205	.0236	.085	764	C-72	102184
4.205	.0236	.102	764	C-72	102072
4.205	.0254	.110	764	C-72	101527
4.205	.0274	.135	764	C-23	101237
4.205	.0276	.110	764	C-23	101647
4.205	.0276	.110	764	C-72	101069
4.205	.0325	.135	764	C-23	100767
4.205	.0425	.134	764	C-72	100827
4.205	.0425	.134	764	C-23	100832
4.210	.0274	.120	764	C-72	101285
4.215	.0236	.110	764	C-72	102057
4.215	.0274	.120	764	C-72	101412
4.220	.0325	.120	764	C-72	100388
4.225	.0236	.110	764	C-72	101654
4.225	.0274	.120	764	C-23	101204
4.225	.0276	.110	764	C-72	101075

RING DIA	AXIAL	RADIAL	TYPE	FACE/STYLE	PART #
4.230	.0254	.122	764	C-72	100943
4.235	.0236	.110	764	C-72	102053
4.240	.0325	.135	764	C-72	101492
4.255	.0200	.090	764	C-23	102249
4.255	.0276	.110	764	C-72	101220
4.255	.0325	.135	764	C-23	100602
4.285	.0325	.135	764	C-23	100738
4.285	.0236	.102	764	C-72	102060
4.285	.0415	.155	555	MOLY	500562
4.300	.0236	.102	764	C-72	102233
4.315	.0236	.110	764	C-23	101582
4.315	.0236	.110	764	C-72	101581
4.315	.0274	.122	764	C-72	101250
4.315	.0325	.135	764	C-72	100498
4.315	.0375	.134	764	C-33/GAPLESS	101344
4.315	.0375	.140	655	MOLY/GAPLESS	600067
4.315	.0380	.140	555	MOLY	500794
4.315	.0410	.170	555	MOLY	500435
4.315	.0413	.170	555	MOLY	500443
4.315	.0415	.170	555	MOLY	500108
4.315	.0610	.169	764	NONE/GAPLESS	100110
4.320	.0254	.110	764	C-23	101376
4.320	.0325	.135	764	C-72	100637
4.320	.0325	.135	764	C-23	100948
4.325	.0326	.135	764	C-23	102290
4.325	.0380	.140	555	MOLY	500841
4.325	.0415	.134	764	C-33	101956
4.330	.0254	.110	764	C-72	102306
4.355	.0325	.135	764	C-23	101941
4.380	.0325	.135	764	C-23	101475
4.505	.0325	.135	764	C-23	101066
4.505	.0415	.155	555	MOLY	500382
4.535	.0325	.135	764	C-72	102192
4.565	.0325	.135	764	C-23	101349
4.565	.0420	.170	757	NONE/GAPLESS	750119
4.565	.0610	.170	758	C-23/GAPLESS	700038
4.605	.0325	.135	764	C-23	100640
4.605	.0415	.170	555	MOLY	500663
4.605	.0415	.170	757	C-23	750151
4.615	.0325	.135	764	C-23	101252
4.630	.0276	.110	764	C-72	101560
4.630	.0325	.135	764	C-23	100697
4.630	.0415	.170	658	NONE/GAPLESS	600093
4.630	.0415	.170	757	C-72	750131
4.630	.0425	.170	757	C-23/GAPLESS	750144
4.650	.0276	.110	764	C-72	101551
4.655	.0325	.135	764	C-23	100754
4.675	.0325	.135	764	C-72	100360
4.675	.0410	.170	757	C-23/GAPLESS	750011
4.680	.0306	.135	764	C-72	100230



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# DIAMOND FINISH™ Anti-Friction Coated Top Rings (continued)

RING DIA	AXIAL	RADIAL	TYPE	FACE/STYLE	PART #
4.680	.0325	.135	757	C-23	700131
4.680	.0325	.135	764	C-72	100336
4.680	.0328	.135	764	C-72	100552
4.680	.0375	.155	757	C-23	750024
4.680	.0405	.170	757	C-23/GAPLESS	750013
4.680	.0405	.170	758	C-23/GAPLESS	700011NC
4.680	.0410	.170	555	MOLY	500415
4.680	.0410	.170	757	C-23/GAPLESS	750004
4.680	.0410	.170	758	NONE/GAPLESS	700010NC
4.680	.0412	.170	555	MOLY	500519
4.680	.0413	.170	555	MOLY	500567
4.680	.0413	.170	556	NI-CHROME	500531
4.680	.0414	.170	555	MOLY	500650
4.680	.0415	.165	757	C-23/GAPLESS	750045
4.680	.0415	.165	757	C-72	750102
4.680	.0415	.170	555	MOLY	500018
4.680	.0415	.170	556	NI-CHROME	500048
4.680	.0415	.170	757	C-23	750003
4.680	.0415	.170	758	C-23	700022
4.680	.0420	.170	757	C-23/GAPLESS	750040
4.685	.0274	.122	764	C-72	100985
4.685	.0306	.135	764	C-72	100227
4.685	.0325	.135	764	C-72	100224
4.685	.0325	.135	764	C-23	100222
4.685	.0410	.170	757	C-23/GAPLESS	750008
4.685	.0413	.170	556	NI-CHROME	500392
4.685	.0415	.155	757	C-23	750086
4.685	.0415	.165	757	C-23	750060
4.685	.0415	.170	556	NI-CHROME	500023
4.685	.0415	.170	757	C-23	750015
4.685	.0420	.145	757	NONE/GAPLESS	750116
4.685	.0423	.170	757	NONE	750120
4.690	.0306	.135	764	C-23	100321
4.690	.0306	.175	758	C-72	700190
4.690	.0325	.135	764	C-23	100223
4.690	.0325	.135	764	C-72	100225
4.690	.0405	.170	757	NONE/GAPLESS	750073
4.690	.0405	.170	758	C-23/GAPLESS	700016NC
4.690	.0410	.135	658	NONE/GAPLESS	600059
4.690	.0410	.135	764	C-72	100609
4.690	.0413	.170	757	C-23	750049
4.690	.0415	.155	555	MOLY	500228
4.690	.0415	.165	757	C-23	750062
4.690	.0415	.165	757	NONE	750066
4.690	.0415	.165	757	C-72	750063
4.690	.0415	.168	555	MOLY	500104
4.690	.0415	.170	558	NONE	500294
4.690	.0415	.170	757	C-23	750006
4.690	.0415	.170	758	C-23	700121
4.690	.0420	.170	757	NONE/GAPLESS	750145

RING DIA	AXIAL	RADIAL	TYPE	FACE/STYLE	PART #
4.695	.0306	.135	764	C-72	100558
4.695	.0325	.135	764	C-72	100395
4.700	.0273	.122	764	C-72	101522
4.700	.0276	.110	764	C-23	101325
4.700	.0276	.110	764	C-33	101493
4.700	.0276	.110	764	C-72	100995
4.700	.0276	.122	764	C-72	101217
4.700	.0277	.110	764	C-72	101565
4.700	.0278	.122	764	C-72	101537
4.700	.0298	.135	764	C-72	100932
4.700	.0305	.135	764	C-72	100819
4.700	.0306	.122	764	C-72	101653
4.700	.0306	.135	764	C-72	101186
4.700	.0306	.135	764	C-72	100782
4.700	.0306	.135	764	C-72	100341
4.700	.0306	.135	764	C-23	100547
4.700	.0306	.135	764	C-23	100585
4.700	.0325	.135	764	C-72	100342
4.702	.0236	.098	764	C-72	101743
4.702	.0276	.098	764	C-72	101742
4.702	.0298	.135	764	C-72	100813
4.705	.0220	.102	764	C-23	102087
4.705	.0272	.110	764	C-72	101111
4.705	.0274	.110	764	C-72	100979
4.705	.0274	.110	764	C-23	102047
4.705	.0274	.119	764	C-72	100643
4.705	.0276	.103	764	C-72	101401
4.705	.0276	.110	764	C-23	101775
4.705	.0276	.110	764	C-72	100993
4.705	.0277	.110	764	C-72	101723
4.705	.0298	.135	764	C-72	100794
4.705	.0306	.135	764	C-72	100701
4.705	.0306	.135	764	C-23	101332
4.705	.0306	.135	764	C-72	100337
4.705	.0323	.135	764	C-33	100382
4.705	.0325	.122	764	C-72	101529
4.705	.0325	.135	764	C-72	100245
4.705	.0327	.135	757	NONE	750107
4.705	.0345	.135	757	NONE	750080
4.705	.0385	.135	764	C-72	100745
4.705	.0405	.170	757	NONE/GAPLESS	750059
4.705	.0405	.170	758	C-23/GAPLESS	700024
4.705	.0409	.170	757	NONE/GAPLESS	750058
4.705	.0410	.135	556	NI-CHROME	500704
4.705	.0410	.170	758	NONE/GAPLESS	700183
4.705	.0412	.155	556	NI-CHROME	500743
4.705	.0412	.170	757	NONE	750071
4.705	.0413	.170	757	NONE	750072
4.705	.0415	.170	555	MOLY	500019
4.705	.0415	.170	757	C-72	750104
4.705	.0415	.170	757	NONE	750056
4.705	.0415	.170	758	C-23	700007
4.705	.0415	.170	764	C-72	100368
4.705	.0417	.135	556	NI-CHROME	500694



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# DIAMOND FINISH™ Anti-Friction Coated Top Rings (continued)

RING DIA	AXIAL	RADIAL	TYPE	FACE/STYLE	PART #
4.705	.0417	.170	757	NONE	750057
4.705	.0420	.135	764	C-72	100403
4.705	.0420	.143	757	C-23	750096
4.705	.0425	.170	757	C-72/GAPLESS	750148
4.707	.0276	.122	764	C-72	100971
4.707	.0325	.135	764	C-72	100357
4.710	.0276	.110	764	C-23	101782
4.710	.0276	.110	764	C-72	100934
4.710	.0298	.135	764	C-72	100845
4.735	.0325	.135	764	C-72	100270
4.710	.0306	.135	764	C-23	101331
4.710	.0306	.135	764	C-72	101079
4.710	.0325	.135	764	C-72	100398
4.710	.0420	.135	764	C-72	100219
4.712	.0276	.122	764	C-72	100914
4.715	.0298	.135	764	C-72	101265
4.715	.0306	.135	764	C-72	101185
4.715	.0325	.135	764	C-72	101137
4.715	.0337	.135	764	C-72	101143
4.720	.0274	.122	764	C-33	101335
4.720	.0274	.122	764	C-72	100880
4.720	.0276	.110	764	C-23	101781
4.720	.0276	.110	764	C-72	100936
4.720	.0298	.135	764	C-72	100833
4.720	.0306	.135	764	C-72	100830
4.720	.0306	.135	764	C-72	100560
4.720	.0325	.120	764	C-72	100854
4.720	.0325	.135	764	C-23	100684
4.720	.0325	.135	764	C-72	100516
4.720	.0325	.135	764	C-33	101341
4.720	.0425	.170	757	NONE	750117
4.722	.0276	.122	764	C-72	101149
4.725	.0274	.122	764	C-72	101276
4.725	.0274	.122	764	C-23	101154
4.725	.0276	.110	764	C-23	101381
4.725	.0276	.110	764	C-72	100998
4.725	.0276	.122	764	C-72	101588
4.725	.0298	.135	764	C-72	100834
4.725	.0306	.135	764	C-23	100818
4.725	.0325	.135	764	C-23	100688
4.725	.0325	.135	764	C-72	101081
4.730	.0200	.085	764	C-23	102135
4.730	.0250	.110	764	C-72	101952
4.730	.0236	.102	764	C-23	102003
4.730	.0250	.110	764	C-23	102019
4.730	.0272	.122	764	C-72	101744
4.730	.0274	.122	764	C-72	101083
4.730	.0274	.122	764	C-33	101584
4.730	.0274	.122	764	C-72	100839
4.730	.0276	.110	764	C-72	101001
4.730	.0325	.122	764	C-72	101528
4.730	.0325	.135	764	C-72	100582
4.735	.0200	.085	764	C-23	102134
4.735	.0200	.090	764	C-23	102068

RING DIA	AXIAL	RADIAL	TYPE	FACE/STYLE	PART #
4.735	.0236	.085	764	C-23	102048
4.735	.0236	.090	764	C-72	102000
4.735	.0236	.090	764	C-23	102004
4.735	.0236	.102	764	C-72	101959
4.735	.0274	.122	764	C-33	101587
4.735	.0274	.122	764	C-72	101997
4.735	.0274	.122	764	C-72	102008
4.735	.0275	.110	764	C-72	101984
4.735	.0276	.110	757	C-23	750155
4.735	.0276	.110	764	C-72	101254
4.735	.0276	.110	764	C-23	101437
4.735	.0276	.110	764	C-33	101438
4.735	.0276	.110	764	C-23	101955
4.735	.0276	.122	764	C-72	101302
4.735	.0306	.135	764	C-23	100506
4.735	.0324	.135	757	NONE	750097
4.735	.0325	.135	757	NONE	750088
4.735	.0325	.135	764	C-23	100588
4.735	.0327	.135	757	NONE	750095
4.735	.0405	.155	757	C-23/GAPLESS	750017
4.735	.0405	.170	757	NONE/GAPLESS	750067
4.735	.0410	.155	757	C-23/GAPLESS	750016
4.735	.0410	.170	757	NONE	750101
4.735	.0411	.170	757	NONE/GAPLESS	750075
4.735	.0411	.170	757	NONE	750100
4.735	.0415	.170	555	MOLY	500054
4.735	.0415	.170	764	C-72	100852
4.735	.0420	.140	757	NONE/GAPLESS	750115
4.735	.0420	.170	757	C-23/GAPLESS	750028
4.735	.0420	.170	757	NONE/GAPLESS	750129
4.735	.0431	.135	757	NONE	750127
4.735	.0431	.135	757	NONE	750128
4.740	.0276	.110	764	C-72	101290
4.740	.0276	.122	764	C-72	101589
4.740	.0306	.122	764	C-33	101722
4.740	.0306	.122	764	C-72	101675
4.740	.0325	.135	764	NONE	100578
4.740	.0325	.135	764	C-23	100367
4.740	.0327	.135	764	C-23	100577
4.740	.0327	.135	764	NONE	100576
4.740	.0360	.134	764	C-23	100580
4.745	.0236	.102	764	C-23	102005
4.750	.0220	.102	764	C-23	102085
4.750	.0236	.102	764	C-23	102007
4.750	.0306	.135	764	C-72	100502
4.752	.0276	.090	764	C-23	102190
4.752	.0276	.102	764	C-23	101366
4.752	.0276	.110	764	C-72	101298
4.755	.0220	.090	764	C-23	102228
4.755	.0276	.110	764	C-72	101533



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# DIAMOND FINISH™ Anti-Friction Coated Top Rings (continued)

RING DIA	AXIAL	RADIAL	TYPE	FACE/STYLE	PART #
4.755	.0276	.122	764	C-72	100958
4.755	.0320	.210	558	NONE	500661
4.755	.0325	.135	764	C-72	100355
4.755	.0325	.135	764	C-23	100567
4.755	.0412	.170	556	NI-CHROME	500421
4.755	.0419	.155	555	MOLY	500536
4.755	.0420	.170	555	MOLY	500499
4.755	.0420	.170	758	NONE/GAPLESS	700081
4.755	.0422	.206	758	NONE/GAPLESS	700082
4.755	.0430	.210	658	NONE/GAPLESS	600034
4.755	.0600	.173	764	C-33/GAPLESS	100479
4.760	.0425	.132	764	C-72	100359
4.770	.0276	.110	764	C-72	101387
4.770	.0325	.134	764	C-23	100322
4.770	.0325	.135	764	C-72	100521
4.770	.0425	.133	764	C-23	100545
4.770	.0425	.173	764	C-23	100244
4.770	.0432	.173	764	C-23	100404
4.775	.0276	.110	764	C-23	101967
4.775	.0325	.135	764	C-72	100699
4.775	.0325	.135	764	C-23	101535
4.775	.0425	.133	764	C-23	101120
4.785	.0290	.122	764	C-23	101200
4.785	.0325	.135	764	C-72	100793
4.800	.0274	.122	764	C-72	101466
4.800	.0300	.122	764	C-72	100517
4.800	.0420	.173	764	C-72	100616

RING DIA	AXIAL	RADIAL	TYPE	FACE/STYLE	PART #
4.805	.0325	.135	764	C-72	100381
4.805	.0325	.135	764	C-23	100473
4.805	.0402	.200	758	NONE/GAPLESS	700085
4.805	.0420	.173	764	C-72	100615
4.805	.0420	.173	764	C-23	100301
4.805	.0425	.132	764	C-23	100280
4.805	.0425	.210	556	NI-CHROME	500590
4.810	.0274	.120	764	C-72	101488
4.810	.0325	.132	764	C-72	101260
4.815	.0325	.135	764	C-23	101198
4.820	.0325	.135	764	C-23	101396
4.850	.0325	.135	764	C-72	100695
4.905	.0325	.135	764	C-23	102164
5.000	.0325	.135	764	C-23	101314
5.005	.0325	.135	764	C-72	102059
5.005	.0415	.173	764	C-72	100542
5.005	.0425	.173	764	C-72	100524
5.125	.0250	.110	764	C-23	102212
5.125	.0325	.135	764	C-23	101122
5.125	.0325	.135	764	C-72	101568
5.125	.0455	.150	764	C-23	102303
5.125	.0455	.150	764	C-23/GAPLESS	101212
5.130	.0455	.150	764	C-23/GAPLESS	101241
5.135	.0455	.150	764	C-23	101242
5.135	.0620	.173	764	C-33/GAPLESS	100924
5.140	.0455	.150	764	C-23/GAPLESS	101243
5.230	.0325	.135	764	C-23	102291



JIMMY OWENS



JIM KIMBROUGH



MIKE PANETTA



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# DIAMOND FINISH™ Anti-Friction Coated 2<sup>nd</sup> Rings

RING TYPE	DESCRIPTION
554 / 554N	Steel taper face / Steel napier face
557	Cast iron reverse torsional taper face
557N	Cast iron napier face

RING TYPE	DESCRIPTION
559	Ductile iron plasma moly reverse torsional taper face
559N	Ductile iron napier face
562	Ductile iron reverse torsional

RING DIA	AXIAL	RADIAL	TYPE	FACE	PART #
2.637	.0300	.105	557N	NAPIER	500833
3.150	.0382	.106	557	TAPER	500859
3.190	.0390	.123	557N	NAPIER	500834
3.315	.0274	.120	557N	NAPIER	500830
3.315	.0307	.120	557N	NAPIER	500864
3.315	.0325	.120	557N	NAPIER	500409
3.347	.0375	.135	557	TAPER	500121
3.378	.0325	.135	557N	NAPIER	500675
3.387	.0386	.120	557N	NAPIER	500752
3.405	.0450	.130	557N	NAPIER	500383
3.425	.0274	.120	557N	NAPIER	500858
3.430	.0274	.120	557N	NAPIER	500810
3.465	.0274	.120	554N	NAPIER	101216
3.465	.0325	.120	557	TAPER	500640
3.480	.0325	.119	557N	NAPIER	500863
3.500	.0305	.120	557	TAPER	500769
3.504	.0305	.120	557	TAPER	500768
3.510	.0274	.108	554N	NAPIER	101932
3.525	.0272	.108	554N	NAPIER	101993
3.540	.0274	.121	557N	NAPIER	500774
3.545	.0570	.150	557	TAPER	500173
3.550	.0274	.121	557N	NAPIER	500806
3.550	.0325	.135	557N	NAPIER	500730
3.555	.0274	.121	557N	NAPIER	500840
3.560	.0325	.135	557N	NAPIER	500803
3.582	.0325	.135	557N	NAPIER	500866
3.582	.0375	.134	557N	NAPIER	500691
3.605	.0274	.120	557N	NAPIER	500870
3.622	.0455	.145	557	TAPER	500304
3.622	.0550	.140	557	TAPER	500461
3.622	.0560	.140	557	TAPER	500068
3.622	.0560	.140	557N	NAPIER	500244
3.652	.0274	.120	554N	C-33 NAPIER	1014363
3.652	.0274	.120	554N	NAPIER	101461
3.660	.0274	.120	554N	NAPIER	101339
3.661	.0325	.120	557N	NAPIER	500191
3.662	.0415	.143	557	TAPER	500065
3.662	.0470	.134	557N	NAPIER	500732
3.695	.0325	.135	557N	NAPIER	500674
3.700	.0325	.135	557N	NAPIER	500771
3.710	.0390	.120	557N	NAPIER	500598
3.712	.0325	.135	557N	NAPIER	500693
3.740	.0450	.145	557	TAPER	500284
3.740	.0450	.145	557N	NAPIER	500332
3.740	.0570	.155	557	TAPER	500172
3.760	.0375	.140	557N	NAPIER	500759
3.780	.0325	.135	557N	NAPIER	500745
3.780	.0450	.145	557N	NAPIER	500336
3.800	.0325	.135	557N	NAPIER	500737
3.800	.0415	.140	557N	NAPIER	500587
3.810	.0325	.135	554N	NAPIER	100597

RING DIA	AXIAL	RADIAL	TYPE	FACE	PART #
3.820	.0325	.135	554N	NAPIER	101770
3.858	.0232	.100	554N	NAPIER	101455
3.903	.0320	.135	557	TAPER	500451
3.903	.0325	.135	557	TAPER	500448
3.905	.0290	.135	557N	NAPIER	500781
3.905	.0325	.135	557N	NAPIER	500570
3.905	.0325	.140	557N	NAPIER	500370
3.905	.0560	.160	557N	NAPIER	500606
3.905	.0563	.160	557N	NAPIER	500601
3.905	.0590	.145	557N	NAPIER	500836
3.910	.0325	.135	557	TAPER	500420
3.910	.0325	.135	557N	NAPIER	500571
3.910	.0325	.140	557N	NAPIER	500354
3.925	.0290	.135	557N	NAPIER	500818
3.925	.0325	.135	554N	NAPIER	100691
3.925	.0325	.135	554N	C-33 NAPIER	100808
3.925	.0325	.135	557N	NAPIER	500572
3.935	.0274	.120	557N	NAPIER	500795
3.937	.0450	.140	557N	NAPIER	500687
3.940	.0325	.135	557N	NAPIER	500602
3.945	.0236	.108	554N	NAPIER	101656
3.945	.0272	.108	554N	NAPIER	101208
3.950	.0325	.135	554N	NAPIER	101130
3.965	.0325	.135	554N	NAPIER	100733
3.970	.0272	.108	554N	NAPIER	101432
3.970	.0325	.135	554N	NAPIER	100731
3.980	.0292	.135	557N	NAPIER	500871
4.000	.0274	.115	554N	NAPIER	100495
4.000	.0274	.119	554N	NAPIER	100488
4.000	.0292	.120	557N	NAPIER	500831
4.000	.0300	.120	557N	NAPIER	500667
4.000	.0300	.122	554N	NAPIER	100454
4.000	.0325	.135	557	TAPER	500395
4.005	.0274	.119	554N	NAPIER	100744
4.005	.0300	.120	557N	NAPIER	500668
4.005	.0415	.140	557N	NAPIER	500627
4.010	.0300	.122	554N	NAPIER	100455
4.015	.0320	.135	557	TAPER	500500
4.015	.0322	.135	557N	NAPIER	500610
4.015	.0325	.135	557	TAPER	500497
4.015	.0325	.135	557N	NAPIER	500227
4.015	.0415	.155	557	TAPER	500275
4.020	.0274	.119	554N	NAPIER	101077
4.020	.0300	.122	554N	NAPIER	100456
4.025	.0236	.100	554N	C-23 NAPIER	102210



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# DIAMOND FINISH™ Anti-Friction Coated 2<sup>nd</sup> Rings (continued)

RING DIA	AXIAL	RADIAL	TYPE	FACE	PART #
4.025	.0274	.119	554N	NAPIER	100492
4.025	.0300	.120	557N	NAPIER	500669
4.025	.0325	.119	557N	NAPIER	500778
4.025	.0325	.135	557N	NAPIER	500857
4.025	.0372	.138	557	TAPER	500701
4.030	.0300	.122	554N	NAPIER	100457
4.035	.0292	.135	557N	NAPIER	500835
4.035	.0320	.135	557	TAPER	500557
4.035	.0323	.135	557N	NAPIER	500550
4.035	.0325	.135	557	TAPER	500535
4.035	.0325	.135	557N	NAPIER	500548
4.035	.0400	.125	557N	NAPIER	500838
4.035	.0415	.155	557N	NAPIER	500744
4.035	.0425	.135	557N	NAPIER	500754
4.040	.0274	.119	554N	NAPIER	101234
4.040	.0310	.122	554N	NAPIER	102241
4.040	.0319	.135	557	TAPER	500558
4.040	.0325	.135	557	TAPER	500341
4.045	.0274	.119	554N	NAPIER	100575
4.045	.0317	.135	557N	NAPIER	500436
4.045	.0320	.135	557N	NAPIER	500382
4.045	.0324	.135	557N	NAPIER	500608
4.045	.0325	.135	557N	NAPIER	500379
4.050	.0274	.119	554N	NAPIER	101284
4.055	.0274	.119	554N	NAPIER	100704
4.055	.0325	.135	557	TAPER	500588
4.055	.0325	.135	557N	NAPIER	500660
4.060	.0290	.135	557N	NAPIER	500770
4.060	.0630	.120	557N	NAPIER	500747
4.065	.0272	.108	554N	NAPIER	101092
4.065	.0274	.119	557N	NAPIER	500867
4.065	.0292	.135	557N	NAPIER	500821
4.065	.0325	.120	554N	NAPIER	101728
4.065	.0325	.135	554N	NAPIER	100526
4.065	.0325	.135	557	TAPER	500340
4.065	.0325	.135	557N	NAPIER	500391
4.065	.0415	.140	557N	NAPIER	500592
4.065	.0415	.155	557	TAPER	500031
4.070	.0272	.119	554N	NAPIER	100873
4.070	.0325	.120	554N	NAPIER	102011
4.075	.0292	.135	557N	NAPIER	500879
4.075	.0325	.120	554N	NAPIER	101735
4.075	.0325	.135	554N	NAPIER	100607
4.075	.0325	.135	557	TAPER	500585
4.075	.0325	.135	557N	NAPIER	500664
4.080	.0325	.135	557	TAPER	500853
4.085	.0272	.102	554N	NAPIER	101979
4.085	.0325	.135	557	TAPER	500854
4.085	.0325	.135	557N	NAPIER	500682
4.085	.0415	.140	557N	NAPIER	500530
4.095	.0270	.108	554N	NAPIER	101526
4.095	.0325	.135	554N	NAPIER	101119

RING DIA	AXIAL	RADIAL	TYPE	FACE	PART #
4.095	.0325	.135	554N	NAPIER	101116
4.095	.0325	.135	557	TAPER	500856
4.095	.0425	.120	557	TAPER	500827
4.095	.0570	.155	557	TAPER	500569
4.095	.0574	.155	557	TAPER	500529
4.097	.0236	.100	554N	NAPIER	102281
4.105	.0272	.119	554N	NAPIER	101502
4.105	.0325	.135	557N	NAPIER	500298
4.125	.0272	.108	554N	NAPIER	101986
4.125	.0274	.119	554N	NAPIER	101608
4.125	.0325	.135	557	TAPER	500274
4.125	.0375	.130	554N	NAPIER	100614
4.125	.0400	.125	557N	NAPIER	500839
4.125	.0415	.140	557	TAPER	500418
4.125	.0415	.155	557N	NAPIER	500655
4.125	.0415	.155	559N	NAPIER	500508
4.125	.0415	.165	557	TAPER	500203
4.130	.0272	.119	554N	NAPIER	100953
4.130	.0280	.135	557N	NAPIER	500825
4.130	.0292	.135	557N	NAPIER	500812
4.130	.0300	.122	557	TAPER	500546
4.130	.0301	.122	557	TAPER	500542
4.130	.0325	.135	554N	NAPIER	100332
4.130	.0325	.135	557N	NAPIER	500237
4.130	.0415	.135	557N	NAPIER	500872
4.130	.0415	.165	557	TAPER	500076
4.135	.0274	.119	554N	NAPIER	101323
4.135	.0300	.122	557N	NAPIER	500760
4.135	.0325	.135	557	TAPER	500285
4.135	.0325	.135	557N	NAPIER	500238
4.135	.0385	.120	557N	NAPIER	500566
4.135	.0415	.140	557N	NAPIER	500262
4.135	.0420	.165	559N	NAPIER	500738
4.135	.0590	.120	557N	NAPIER	500400
4.135	.0590	.150	557N	NAPIER	500399
4.140	.0325	.135	554N	NAPIER	100568
4.145	.0325	.135	557N	NAPIER	500239
4.145	.0415	.140	557N	NAPIER	500263
4.145	.0415	.165	557	TAPER	500090
4.150	.0274	.108	554N	NAPIER	101481
4.150	.0325	.135	554N	NAPIER	100693
4.150	.0325	.135	557	TAPER	500296
4.150	.0415	.165	557	TAPER	500105
4.155	.0236	.102	554N	NAPIER	102232
4.155	.0270	.119	554N	NAPIER	100781
4.155	.0274	.108	554N	NAPIER	101473
4.155	.0274	.119	554N	NAPIER	101970
4.155	.0300	.119	554N	NAPIER	100329
4.155	.0320	.120	557	TAPER	500526
4.155	.0320	.135	557	TAPER	500322
4.155	.0325	.120	557	TAPER	500350
4.155	.0325	.135	554N	NAPIER	100569
4.155	.0325	.135	557	TAPER	500266
4.155	.0325	.135	557N	NAPIER	500373
4.155	.0325	.135	557N	NAPIER	500197
4.155	.0415	.140	557N	NAPIER	500258
4.155	.0415	.155	557	TAPER	500086
4.155	.0570	.155	557	TAPER	500388



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# DIAMOND FINISH™ Anti-Friction Coated 2<sup>nd</sup> Rings (continued)

RING DIA	AXIAL	RADIAL	TYPE	FACE	PART #
4.155	.0570	.155	557N	NAPIER	500540
4.155	.0573	.155	557	TAPER	500412
4.155	.0574	.155	557	TAPER	500609
4.155	.0585	.155	557N	NAPIER	500614
4.160	.0274	.119	554N	NAPIER	100372
4.160	.0300	.119	554N	NAPIER	100327
4.160	.0310	.135	557N	NAPIER	500842
4.160	.0320	.135	557	TAPER	500359
4.160	.0325	.135	554N	NAPIER	100510
4.160	.0325	.135	557	TAPER	500217
4.160	.0325	.135	557N	NAPIER	500200
4.160	.0375	.155	557	TAPER	500186
4.160	.0413	.155	557	TAPER	500487
4.160	.0415	.140	557	TAPER	500291
4.160	.0415	.155	557	TAPER	500058
4.160	.0415	.165	557	TAPER	500032
4.160	.0573	.155	557	TAPER	500624
4.160	.0574	.155	557	TAPER	500623
4.165	.0236	.100	554N	NAPIER	102245
4.165	.0300	.119	554N	NAPIER	100308
4.165	.0320	.135	557	TAPER	500397
4.165	.0325	.130	557	TAPER	500287
4.165	.0325	.135	554N	NAPIER	101320
4.165	.0325	.135	557	TAPER	500230
4.165	.0325	.135	557N	NAPIER	500192
4.165	.0415	.140	557	TAPER	500292
4.165	.0415	.155	557	TAPER	500710
4.165	.0580	.140	557N	NAPIER	500208
4.169	.0272	.119	554N	NAPIER	100631
4.170	.0300	.119	554N	NAPIER	100309
4.170	.0319	.135	557	TAPER	500545
4.170	.0320	.135	557	TAPER	500335
4.170	.0320	.135	557N	NAPIER	500725
4.170	.0325	.135	557	TAPER	500226
4.170	.0325	.135	557N	NAPIER	500199
4.170	.0330	.135	557	TAPER	500337
4.170	.0412	.155	557	TAPER	500589
4.170	.0413	.155	557	TAPER	500469
4.170	.0413	.155	557	TAPER	500506
4.170	.0414	.140	557N	NAPIER	500511
4.170	.0415	.140	557	TAPER	500290
4.170	.0415	.140	557N	NAPIER	500249
4.170	.0415	.155	557	TAPER	500035
4.170	.0425	.132	554N	NAPIER	100531
4.170	.0580	.140	557N	NAPIER	500209
4.172	.0236	.108	554N	NAPIER	101496
4.175	.0274	.119	554N	NAPIER	102173
4.175	.0236	.101	554N	NAPIER	101700
4.175	.0300	.119	554N	NAPIER	100310
4.175	.0307	.123	557N	NAPIER	500865
4.175	.0318	.135	557	TAPER	500488
4.175	.0318	.135	557N	NAPIER	500472
4.175	.0319	.135	557N	NAPIER	500493
4.175	.0320	.120	557	TAPER	500449
4.175	.0320	.135	557	TAPER	500457
4.175	.0320	.135	557N	NAPIER	500345
4.175	.0325	.120	557	TAPER	500342
4.175	.0325	.123	554N	NAPIER	100551

RING DIA	AXIAL	RADIAL	TYPE	FACE	PART #
4.175	.0325	.125	557	TAPER	500523
4.175	.0325	.135	554N	NAPIER	100766
4.175	.0325	.135	557	TAPER	500224
4.175	.0325	.135	557N	NAPIER	500375
4.175	.0385	.125	557N	NAPIER	500721
4.175	.0413	.140	557N	NAPIER	500454
4.175	.0414	.140	557N	NAPIER	500517
4.175	.0415	.140	557	TAPER	500293
4.175	.0415	.140	557N	NAPIER	500248
4.175	.0415	.155	557	TAPER	500083
4.175	.0580	.140	557N	NAPIER	500210
4.178	.0274	.108	554N	NAPIER	101682
4.180	.0220	.090	554N	NAPIER	102180
4.180	.0270	.108	554N	NAPIER	100779
4.180	.0274	.115	554N	NAPIER	100339
4.180	.0274	.119	554N	NAPIER	100290
4.180	.0299	.120	557N	NAPIER	500639
4.180	.0299	.120	557N	NAPIER	500649
4.180	.0300	.119	554N	NAPIER	100311
4.180	.0300	.120	557N	NAPIER	500630
4.180	.0300	.120	557N	NAPIER	500688
4.180	.0301	.122	557	TAPER	500541
4.180	.0304	.118	554N	NAPIER	100538
4.180	.0307	.123	554N	NAPIER	101510
4.180	.0307	.123	557N	NAPIER	500816
4.180	.0318	.120	557	TAPER	500503
4.180	.0318	.135	557N	NAPIER	500384
4.180	.0319	.120	557	TAPER	500504
4.180	.0320	.135	557	TAPER	500306
4.180	.0320	.135	557N	NAPIER	500261
4.180	.0324	.120	557	TAPER	500654
4.180	.0325	.120	554	TAPER	101673
4.180	.0325	.120	557	TAPER	500403
4.180	.0325	.123	557N	NAPIER	500724
4.180	.0325	.135	554N	NAPIER	100505
4.180	.0325	.135	557	TAPER	500225
4.180	.0325	.135	557N	NAPIER	500374
4.180	.0325	.135	557N	NAPIER	500204
4.180	.0375	.155	557	TAPER	500187
4.180	.0413	.140	557N	NAPIER	500516
4.180	.0414	.140	557	TAPER	500539
4.180	.0414	.140	557N	NAPIER	500538
4.180	.0415	.135	557	TAPER	500046
4.180	.0415	.140	557	TAPER	500303
4.180	.0415	.140	557N	NAPIER	500112
4.180	.0415	.155	557	TAPER	500059
4.180	.0573	.155	557	TAPER	500439
4.181	.0274	.108	554N	NAPIER	101685
4.181	.0274	.119	554N	NAPIER	101483
4.184	.0270	.108	554N	NAPIER	101753
4.184	.0270	.119	554N	NAPIER	101899
4.185	.0220	.090	554N	NAPIER	102305
4.185	.0268	.115	554N	NAPIER	100749



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# DIAMOND FINISH™ Anti-Friction Coated 2<sup>nd</sup> Rings (continued)

RING DIA	AXIAL	RADIAL	TYPE	FACE	PART #
4.185	.0270	.108	554N	NAPIER	100821
4.185	.0270	.115	554N	NAPIER	100746
4.185	.0274	.115	554N	NAPIER	100434
4.185	.0274	.119	554N	NAPIER	100431
4.185	.0300	.119	554N	NAPIER	100378
4.185	.0300	.120	557	TAPER	500712
4.185	.0300	.120	557N	NAPIER	500365
4.185	.0300	.120	557N	NAPIER	500692
4.185	.0307	.122	557N	NAPIER	500676
4.185	.0307	.123	554N	NAPIER	101514
4.185	.0315	.126	557N	NAPIER	500618
4.185	.0320	.135	557	TAPER	500320
4.185	.0320	.135	557N	NAPIER	500279
4.185	.0325	.120	554	TAPER	101701
4.185	.0325	.120	557	TAPER	500653
4.185	.0325	.123	554N	NAPIER	100677
4.185	.0325	.135	554N	NAPIER	100967
4.185	.0325	.135	557N	NAPIER	500182
4.185	.0415	.140	557N	NAPIER	500220
4.185	.0415	.155	557	TAPER	500087
4.185	.0415	.165	557	TAPER	500053
4.185	.0570	.155	557	TAPER	500390
4.185	.0573	.155	557	TAPER	500411
4.187	.0274	.119	554N	NAPIER	100975
4.190	.0220	.090	554N	NAPIER	102296
4.190	.0236	.108	554N	NAPIER	101575
4.190	.0270	.123	557N	NAPIER	500874
4.190	.0292	.135	557N	NAPIER	500873
4.190	.0300	.120	557	TAPER	500713
4.190	.0307	.123	554N	NAPIER	101516
4.190	.0325	.120	554	TAPER	101702
4.190	.0325	.120	557	TAPER	500823
4.190	.0325	.120	557N	NAPIER	500643
4.190	.0325	.123	554N	NAPIER	100805
4.190	.0325	.135	554N	NAPIER	100650
4.190	.0325	.135	554N	NAPIER	100527
4.190	.0325	.135	557	TAPER	500297
4.190	.0325	.135	557N	NAPIER	500299
4.190	.0386	.122	557N	NAPIER	500665
4.190	.0413	.165	557	TAPER	500442
4.190	.0415	.155	557	TAPER	500038
4.190	.0415	.165	557	TAPER	500025
4.190	.0585	.165	557N	NAPIER	500553
4.195	.0269	.108	554	TAPER	101549
4.195	.0274	.108	554N	NAPIER	101194
4.195	.0274	.119	554N	NAPIER	101423
4.195	.0274	.123	554N	NAPIER	101424
4.195	.0307	.123	554N	NAPIER	101518
4.195	.0307	.120	557N	NAPIER	500820
4.195	.0325	.120	557N	NAPIER	500641
4.195	.0415	.160	557N	NAPIER	500780
4.200	.0263	.119	557	TAPER	500876
4.200	.0263	.119	557N	NAPIER	500883

RING DIA	AXIAL	RADIAL	TYPE	FACE	PART #
4.200	.0320	.140	557	TAPER	500727
4.205	.0232	.100	554N	NAPIER	102185
4.205	.0232	.108	554N	NAPIER	101777
4.205	.0236	.100	554N	NAPIER	102073
4.205	.0272	.108	554N	NAPIER	101070
4.205	.0274	.115	557N	NAPIER	500749
4.205	.0325	.120	557N	NAPIER	500748
4.205	.0325	.135	557	TAPER	500739
4.205	.0325	.135	557N	NAPIER	500673
4.205	.0415	.140	557N	NAPIER	500250
4.210	.0274	.119	554N	NAPIER	101286
4.210	.0325	.135	557N	NAPIER	500718
4.210	.0415	.155	557	TAPER	500579
4.225	.0236	.108	554N	NAPIER	102269
4.225	.0272	.108	554N	NAPIER	101076
4.255	.0200	.090	554N	NAPIER	102252
4.225	.0325	.120	557N	NAPIER	500642
4.225	.0325	.135	557	TAPER	500746
4.225	.0325	.135	557N	NAPIER	500797
4.225	.0410	.165	557	TAPER	500404
4.225	.0415	.140	557N	NAPIER	500325
4.230	.0325	.135	557N	NAPIER	500869
4.235	.0232	.108	554N	NAPIER	102054
4.245	.0325	.135	557N	NAPIER	500808
4.255	.0272	.108	554N	NAPIER	101221
4.255	.0325	.135	557	TAPER	500822
4.255	.0325	.135	557N	NAPIER	500715
4.255	.0405	.140	557N	NAPIER	500695
4.255	.0415	.155	557	TAPER	500037
4.285	.0236	.100	554N	NAPIER	102063
4.285	.0325	.135	557N	NAPIER	500716
4.285	.0415	.155	557	TAPER	500563
4.300	.0236	.100	554N	NAPIER	102235
4.310	.0325	.125	559N	NAPIER	500422
4.315	.0274	.120	554N	NAPIER	101251
4.315	.0325	.135	554N	NAPIER	100499
4.315	.0415	.150	559	TAPER	500109
4.315	.0415	.155	557N	NAPIER	500326
4.320	.0250	.108	554N	NAPIER	101377
4.320	.0325	.135	554N	NAPIER	100638
4.325	.0250	.108	554N	NAPIER	102264
4.325	.0325	.135	554N	NAPIER	101078
4.325	.0415	.150	557N	NAPIER	500756
4.355	.0325	.135	557N	NAPIER	500855
4.355	.0425	.140	559N	NAPIER	500447
4.380	.0325	.135	554N	NAPIER	101477
4.390	.0325	.135	557N	NAPIER	500868
4.505	.0325	.135	557N	NAPIER	500775
4.535	.0325	.135	557N	NAPIER	500875
4.565	.0325	.135	554N	NAPIER	101356
4.605	.0325	.135	554N	NAPIER	100641
4.605	.0415	.170	557N	NAPIER	500259
4.615	.0325	.135	557N	NAPIER	500809
4.630	.0272	.108	554N	NAPIER	101562
4.630	.0306	.135	554N	NAPIER	100800
4.630	.0325	.135	554N	NAPIER	100698
4.630	.0415	.170	557N	NAPIER	500260
4.650	.0272	.108	554N	NAPIER	101552



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# DIAMOND FINISH™ Anti-Friction Coated 2<sup>nd</sup> Rings (continued)

RING DIA	AXIAL	RADIAL	TYPE	FACE	PART #
4.650	.0325	.135	554N	NAPIER	100755
4.675	.0325	.135	554N	NAPIER	100362
4.680	.0325	.135	554N	NAPIER	100252
4.680	.0325	.135	557N	NAPIER	500229
4.680	.0410	.170	559N	NAPIER	500578
4.680	.0415	.155	557	TAPER	500234
4.680	.0415	.160	557	TAPER	500061
4.680	.0415	.165	557	TAPER	500118
4.680	.0415	.170	557	TAPER	500021
4.680	.0415	.170	557N	NAPIER	500188
4.680	.0415	.210	557	TAPER	500030
4.680	.0420	.160	559N	NAPIER	500323
4.680	.0420	.170	559N	NAPIER	500307
4.680	.0420	.195	559N	NAPIER	500343
4.685	.0274	.119	554N	NAPIER	100986
4.685	.0325	.135	554N	NAPIER	100291
4.685	.0325	.135	559	TAPER	500512
4.685	.0411	.150	557N	NAPIER	500315
4.685	.0412	.150	557N	NAPIER	500314
4.685	.0413	.170	557	TAPER	500319
4.685	.0414	.170	557N	NAPIER	500525
4.685	.0415	.140	559N	NAPIER	500401
4.685	.0415	.150	557N	NAPIER	500269
4.685	.0415	.165	557	TAPER	500389
4.685	.0415	.170	557	TAPER	500221
4.685	.0415	.170	557N	NAPIER	500268
4.685	.0420	.155	559N	NAPIER	500380
4.685	.0420	.160	559N	NAPIER	500348
4.685	.0420	.170	557	TAPER	500604
4.685	.0420	.170	559N	NAPIER	500338
4.685	.0437	.160	559	TAPER	500347
4.690	.0320	.135	559	TAPER	500543
4.690	.0325	.135	554N	NAPIER	100228
4.690	.0325	.135	559	TAPER	500513
4.690	.0375	.155	557N	NAPIER	500178
4.690	.0411	.135	557N	NAPIER	500205
4.690	.0411	.155	557N	NAPIER	500175
4.690	.0411	.155	559N	NAPIER	500313
4.690	.0413	.135	559N	NAPIER	500700
4.690	.0415	.165	557	TAPER	500094
4.690	.0420	.160	559N	NAPIER	500349
4.695	.0325	.135	554N	NAPIER	100559
4.700	.0315	.135	554N	NAPIER	100933
4.700	.0325	.135	554N	NAPIER	100343
4.702	.0315	.135	554N	NAPIER	100814
4.705	.0218	.100	554N	NAPIER	102034
4.705	.0220	.100	554N	NAPIER	102088
4.705	.0272	.108	554N	NAPIER	100981
4.705	.0274	.119	554N	NAPIER	100644
4.705	.0295	.125	559	TAPER	500779
4.705	.0295	.125	559N	NAPIER	500793
4.705	.0298	.135	554N	NAPIER	100790
4.705	.0315	.135	554N	NAPIER	100752
4.705	.0324	.135	559	TAPER	500659
4.705	.0325	.135	554N	NAPIER	100344
4.705	.0325	.135	557N	NAPIER	500207
4.705	.0325	.135	559	TAPER	500551
4.705	.0325	.135	559N	NAPIER	500434

RING DIA	AXIAL	RADIAL	TYPE	FACE	PART #
4.705	.0360	.140	559N	NAPIER	500736
4.705	.0383	.145	559N	NAPIER	500719
4.705	.0385	.145	559N	NAPIER	500717
4.705	.0408	.155	557N	NAPIER	500387
4.705	.0408	.155	557N	NAPIER	500462
4.705	.0409	.150	559N	NAPIER	500471
4.705	.0410	.145	559N	NAPIER	500524
4.705	.0410	.150	559N	NAPIER	500381
4.705	.0411	.140	559N	NAPIER	500584
4.705	.0411	.150	559N	NAPIER	500406
4.705	.0411	.155	557N	NAPIER	500174
4.705	.0412	.140	559N	NAPIER	500458
4.705	.0415	.150	557N	NAPIER	500829
4.705	.0415	.160	559N	NAPIER	500327
4.705	.0415	.170	557	TAPER	500028
4.705	.0419	.140	559N	NAPIER	500510
4.705	.0420	.140	559N	NAPIER	500507
4.705	.0421	.143	559N	NAPIER	500646
4.705	.0424	.143	559N	NAPIER	500645
4.705	.0425	.145	559N	NAPIER	500460
4.707	.0272	.119	554N	NAPIER	100972
4.710	.0272	.108	554N	NAPIER	100935
4.710	.0315	.135	554N	NAPIER	100846
4.710	.0325	.135	554N	NAPIER	100400
4.710	.0420	.130	554N	NAPIER	100220
4.712	.0272	.119	554N	NAPIER	100915
4.715	.0315	.135	554N	NAPIER	101266
4.715	.0325	.135	554N	NAPIER	101138
4.720	.0272	.108	554N	NAPIER	100937
4.720	.0315	.135	554N	NAPIER	100809
4.720	.0325	.135	554N	NAPIER	100561
4.722	.0272	.119	554N	NAPIER	101150
4.725	.0272	.108	554N	NAPIER	100997
4.725	.0315	.135	554N	NAPIER	100835
4.725	.0325	.135	554N	NAPIER	101233
4.730	.0246	.108	554N	NAPIER	101953
4.730	.0269	.108	554N	NAPIER	101998
4.730	.0271	.118	554N	NAPIER	100987
4.730	.0272	.108	554N	NAPIER	101000
4.730	.0274	.119	554N	NAPIER	101707
4.730	.0295	.125	559	TAPER	500785
4.730	.0323	.135	559	TAPER	500656
4.730	.0325	.135	554N	NAPIER	100583
4.735	.0200	.090	554N	NAPIER	102069
4.735	.0236	.090	554N	NAPIER	102002
4.735	.0272	.108	554N	NAPIER	101531
4.735	.0295	.125	559	TAPER	500786
4.735	.0323	.135	559	TAPER	500582
4.735	.0325	.135	554	TAPER	100581
4.735	.0325	.135	559	TAPER	500565
4.735	.0408	.150	557N	NAPIER	500703
4.735	.0408	.160	559N	NAPIER	500428
4.735	.0410	.160	559N	NAPIER	500321



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# DIAMOND FINISH™ Anti-Friction Coated 2<sup>nd</sup> Rings (continued)

RING DIA	AXIAL	RADIAL	TYPE	FACE	PART #
4.735	.0411	.155	559N	NAPIER	500631
4.735	.0414	.155	559N	NAPIER	500597
4.735	.0415	.150	557N	NAPIER	500273
4.735	.0415	.152	559	TAPER	500564
4.735	.0415	.155	559N	NAPIER	500594
4.735	.0415	.170	557N	NAPIER	500272
4.735	.0415	.170	559	TAPER	500055
4.735	.0418	.165	559N	NAPIER	500758
4.735	.0430	.135	559N	NAPIER	500644
4.740	.0272	.108	554N	NAPIER	101293
4.740	.0274	.119	554N	NAPIER	101708
4.740	.0325	.135	554N	NAPIER	101606
4.740	.0387	.126	554N	NAPIER	101737
4.750	.0234	.100	554N	NAPIER	101938
4.750	.0324	.135	554N	NAPIER	101576
4.750	.0325	.135	559N	NAPIER	500672
4.750	.220	.100	554N	NAPIER	102086
4.752	.0270	.108	554N	NAPIER	101299
4.752	.0270	.118	554N	NAPIER	101367
4.755	.0272	.119	554N	NAPIER	100960
4.755	.0408	.160	559N	NAPIER	500575
4.755	.0409	.155	559	MOLY TAPER	500455
4.755	.0410	.160	559N	NAPIER	500573
4.755	.0411	.155	559N	NAPIER	500632
4.755	.0425	.155	559N	NAPIER	500431
4.755	.0425	.170	559N	NAPIER	500364
4.755	.0600	.169	554N	NAPIER	100480

RING DIA	AXIAL	RADIAL	TYPE	FACE	PART #
4.755	.220	.100	554N	NAPIER	102261
4.770	.0272	.108	554N	NAPIER	101388
4.770	.0322	.134	559N	NAPIER	500616
4.770	.0325	.134	559N	NAPIER	500605
4.770	.0325	.135	554N	NAPIER	100859
4.770	.0425	.170	559N	NAPIER	500425
4.775	.0325	.135	554N	NAPIER	101395
4.785	.0325	.134	559N	NAPIER	500720
4.790	.0286	.119	554N	NAPIER	101201
4.800	.0274	.119	554N	NAPIER	101467
4.800	.0300	.119	554N	NAPIER	100518
4.805	.0325	.135	554N	NAPIER	100425
4.805	.0425	.190	559N	NAPIER	500651
4.810	.0274	.119	554N	NAPIER	101489
4.815	.0325	.135	554N	NAPIER	101199
4.820	.0325	.135	554N	NAPIER	101398
4.855	.0325	.135	554N	NAPIER	100696
4.880	.0415	.170	554N	NAPIER	100600
4.905	.0325	.135	554N	NAPIER	102163
5.000	.0325	.135	554N	NAPIER	101315
5.000	.0415	.170	554N	NAPIER	100543
5.085	.0325	.135	554N	NAPIER	101008
5.125	.0250	.108	554N	NAPIER	102214
5.125	.0325	.135	554N	NAPIER	101123
5.125	.0410	.148	554N	NAPIER	101358
5.125	.0465	.148	554N	NAPIER	100913
5.130	.0620	.170	554N	NAPIER	100923
5.230	.0325	.135	554N	NAPIER	102292

**Diamond Finish™ Rings also available in Gapless® configuration.  
CUSTOM SIZES AVAILABLE UPON REQUEST.**

***If you don't see what you need give us a call. "We Can Do It" new sizes added daily!***

All Diamond Finish™ rings include D-47™ side coating unless otherwise specified

#### Coatings:

**C-23™** is our pvd-applied face coating reducing friction and wear while offering better heat transfer and is compatible with most cylinder materials and cylinder coatings.

**C-72™** is our pvd-applied face coating specifically engineered for hard-coated cylinders it offers the same performance gains as C-23™ with exceptional long term wear characteristics.

**C-33™** is our pvd-applied chrome nitride [CrN] face coating for those looking for the same characteristics as a chrome faced ring but without the seating problems commonly associated with chrome.

**D-47™** is our side coating used on the top and bottom ring flank offering exceptional ring to ring groove lubricity helping to eliminate micro welding. It is the standard side coating supplied with our Diamond Finish™ rings.

**P-92™** is our PVD face coating reducing friction and wear available on Gold Finish™ ring sets.

Total Seals coatings are available on **Diamond Finish™**, **TNT™**, **AP**, **Gold Finish™** and **M2 Tool Steel** top rings.

**All DIAMOND FINISH™ Rings are**

**U.S. Patent No. 6,899,595; 7,207,870; 7,267,602 and other patents pending**

**Products exclusively from TOTAL SEAL® Piston Rings, Phoenix, Arizona**



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## Special Application Oil Rings

The following oil rings are designed for competition applications and are not intended for novice engine builders.

*Description,*

### ULTRA LOW TENSION:

Tight tolerance rail end gaps i.e. .005-.010" in specified bore size, engine must of the dry sump configuration and be capable of maintaining a vacuum in the crankcase.

### HIGH TENSION:

Nitrous and Supercharged applications where additional tension is required.

### RAIL FACE COATINGS:

**Chrome:** For use in iron cylinders or sleeves.

**None:** No coating for use in coated cylinders i.e. Nikasil® or similar.

**C-23™:** For use in iron or coated cylinders lowest coefficient of friction face coating available on an oil ring rail.

**DON'T SEE WHAT YOU WANT?  
CALL!!  
THOUSANDS OF CUSTOM OIL RING  
COMBINATIONS AVAILABLE.**

RING DIA	GROOVE	RADIAL	TENSION	FACE COATING	PART #
4.005	3.0MM	.145	ULTRA LOW	CHROME	002108
4.005	3.0MM	.145	HIGH	CHROME	002201
4.010	3.0MM	.145	ULTRA LOW	CHROME	002309
4.015	3.0MM	.145	ULTRA LOW	CHROME	002109
4.015	3.0MM	.145	HIGH	CHROME	002202
4.025	3.0MM	.145	HIGH	CHROME	002203
4.035	3.0MM	.145	HIGH	CHROME	002204
4.045	3.0MM	.145	HIGH	CHROME	002205
4.055	3.0MM	.145	HIGH	CHROME	002206
4.060	2.0MM	.125	LOW	CHROME	002636
4.060	3.0MM	.145	MEDIUM	CHROME	002389
4.060	3.0MM	.145	ULTRA LOW	NONE	002039
4.065	3.0MM	.145	ULTRA LOW	CHROME	002263
4.065	3.0MM	.145	HIGH	CHROME	002207
4.080	3.0MM	.145	HIGH	CHROME	002208
4.085	3.0MM	.145	HIGH	CHROME	002209
4.100	3.0MM	.145	ULTRA LOW	CHROME	002147
4.100	3.0MM	.145	HIGH	CHROME	002210
4.125	3.0MM	.145	ULTRA LOW	NONE	002340
4.125	3.0MM	.145	HIGH	CHROME	002211
4.128	3.0MM	.145	ULTRA LOW	CHROME	002070
4.130	3.0MM	.145	HIGH	CHROME	002212
4.135	2.0MM	.125	ULTRA LOW	CHROME	002335
4.135	3.0MM	.145	ULTRA LOW	CHROME	002018
4.135	3.0MM	.145	HIGH	CHROME	002213
4.140	2.0MM	.125	ULTRA LOW	CHROME	002336
4.140	3.0MM	.145	ULTRA LOW	CHROME	002100
4.140	3.0MM	.145	HIGH	CHROME	002214
4.145	2.0MM	.125	ULTRA LOW	CHROME	002337
4.150	2.0MM	.125	ULTRA LOW	CHROME	002344
4.150	3.0MM	.145	ULTRA LOW	CHROME	002032
4.150	3.0MM	.145	HIGH	CHROME	002215
4.152	3.0MM	.145	ULTRA LOW	CHROME	002116
4.155	2.0MM	.125	ULTRA LOW	CHROME	002155
4.155	3.0MM	.145	ULTRA LOW	CHROME	001991
4.157	3.0MM	.145	HIGH	CHROME	002216
4.160	2.0MM	.125	ULTRA LOW	CHROME	002111
4.160	2.0MM	.125	ULTRA LOW	C-23	002235
4.160	3.0MM	.145	ULTRA LOW	CHROME	001977
4.160	3.0MM	.145	ULTRA LOW	C-23	002236
4.160	3.0MM	.145	HIGH	CHROME	002217
4.165	2.0MM	.125	ULTRA LOW	CHROME	002127

RING DIA	GROOVE	RADIAL	TENSION	FACE COATING	PART #
4.165	2.0MM	.125	ULTRA LOW	NONE	002169
4.165	2.0MM	.125	ULTRA LOW	C-23	002237
4.165	3.0MM	.145	ULTRA LOW	CHROME	002023
4.165	3.0MM	.145	ULTRA LOW	NONE	002168
4.165	3.0MM	.145	ULTRA LOW	NONE	002167
4.165	3.0MM	.145	ULTRA LOW	C-23	002238
4.170	2.0MM	.125	ULTRA LOW	NONE	002259
4.170	2.0MM	.125	ULTRA LOW	CHROME	002112
4.170	2.0MM	.125	ULTRA LOW	C-23	002239
4.170	3.0MM	.145	ULTRA LOW	CHROME	001984
4.170	3.0MM	.145	ULTRA LOW	NONE	002037
4.170	3.0MM	.145	ULTRA LOW	C-23	002240
4.170	3.0MM	.145	HIGH	CHROME	002218
4.172	2.0MM	.125	ULTRA LOW	NONE	002176
4.172	2.0MM	.125	ULTRA LOW	C-23	002293
4.175	2.0MM	.125	ULTRA LOW	CHROME	002114
4.175	2.0MM	.125	ULTRA LOW	C-23	002241
4.175	2.0MM	.125	ULTRA LOW	NONE	002163
4.175	2.0MM	.125	ULTRA LOW	C-23	002224
4.175	3.0MM	.145	ULTRA LOW	CHROME	001985
4.175	3.0MM	.145	ULTRA LOW	NONE	002069
4.175	3.0MM	.145	ULTRA LOW	C-23	002242
4.177	2.0MM	.125	ULTRA LOW	C-23	002306
4.177	3.0MM	.145	ULTRA LOW	CHROME	002125
4.177	3.0MM	.145	ULTRA LOW	NONE	002126
4.180	2.0MM	.125	ULTRA LOW	CHROME	002103
4.180	2.0MM	.125	ULTRA LOW	NONE	002341
4.180	2.0MM	.125	ULTRA LOW	NONE	002105
4.180	2.0MM	.125	LOW	NONE	002385
4.180	2.0MM	.125	ULTRA LOW	C-23	002243
4.180	3.0MM	.145	ULTRA LOW	CHROME	001992
4.180	3.0MM	.145	ULTRA LOW	NONE	002041
4.180	3.0MM	.145	ULTRA LOW	C-23	002244
4.180	3.0MM	.145	HIGH	CHROME	002219
4.182	2.0MM	.125	ULTRA LOW	NONE	002401
4.182	2.0MM	.125	ULTRA LOW	CHROME	002294
4.182	3.0MM	.145	ULTRA LOW	CHROME	002115



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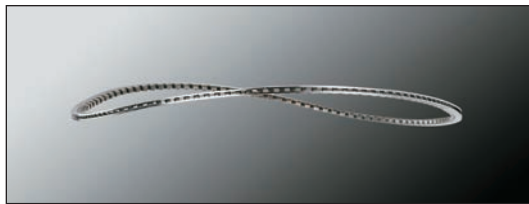


## Special Application Oil Rings (continued)

RING DIA	GROOVE	RADIAL	TENSION	FACE COATING	PART #
4.182	3.0MM	.145	ULTRA LOW	NONE	001995
4.185	2.0MM	.125	ULTRA LOW	NONE	002402
4.185	2.0MM	.125	ULTRA LOW	CHROME	002173
4.185	2.0MM	.125	ULTRA LOW	C-23	002245
4.185	3.0MM	.145	LOW	NONE	002635
4.185	3.0MM	.145	LOW	NONE	002673
4.185	3.0MM	.145	ULTRA LOW	CHROME	001993
4.185	3.0MM	.145	ULTRA LOW	NONE	002062
4.185	3.0MM	.145	ULTRA LOW	C-23	002246
4.187	3.0MM	.145	ULTRA LOW	NONE	001994
4.187	3.0MM	.145	HIGH	CHROME	002220
4.190	3.0MM	.145	ULTRA LOW	CHROME	001976
4.190	2.0MM	.125	ULTRA LOW	C-23	002247
4.195	3.0MM	.145	ULTRA LOW	CHROME	001997
4.195	3.0MM	.145	HIGH	CHROME	002221
4.200	3.0MM	.145	ULTRA LOW	CHROME	002017

RING DIA	GROOVE	RADIAL	TENSION	FACE COATING	PART #
4.200	3.0MM	.145	HIGH	CHROME	002222
4.600	2.0MM	.125	ULTRA LOW	CHROME	000151
4.625	2.0MM	.125	ULTRA LOW	CHROME	000152
4.675	2.0MM	.125	ULTRA LOW	CHROME	002269
4.675	3.0MM	.145	LOW	NONE	002048
4.680	3.0MM	.145	LOW	NONE	002151
4.685	2.0MM	.125	ULTRA LOW	CHROME	002175
4.685	3.0MM	.145	ULTRA LOW	CHROME	001918
4.685	3.0MM	.145	LOW	NONE	002006
4.690	3.0MM	.145	LOW	C-23	002248
4.695	2.0MM	.125	ULTRA LOW	CHROME	002271
4.695	3.0MM	.145	LOW	C-23	002249
4.700	3.0MM	.145	LOW	C-23	002250
4.705	3.0MM	.145	LOW	C-23	002251
4.730	2.0MM	.125	ULTRA LOW	C-23	002334

## Gapless 1 Piece Oil Rings



RING DIA	GROOVE	RADIAL	TENSION	FACE COATING	PART #
4.175	2.0MM	.112"	ULTRA LOW	NONE	002551
4.180	2.0MM	.112"	ULTRA LOW	NONE	002552



### JOE GIBBS RACING

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WE CAN DO IT!**

# Gas Slotted Ring Groove Spacers

Total Seal now offers .030" thick gas slotted ring groove spacers. This adds the benefits of lateral gas porting when using spacers to put a thinner ring in a wider ring groove.

Standard .030" ring groove spacer can be used in top, second or in oil groove as a support rail.

## Thicker Groove Spacers

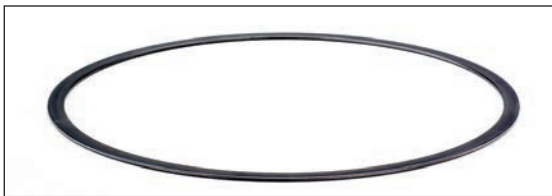
Thicker ring groove spacers with a .046" axial height will allow the use of even thinner rings in your ring grooves than ever before. An example would be a 5/64 ring groove with this spacer would permit the use of an .8mm ring in an existing 5/64 grooved piston. This offers incredible reductions in friction and significant horsepower gains at the crankshaft.

Spacers are ring groove specific call for part number and pricing for your pistons.

Ring groove back clearance spacers used to fill excessive back clearance in ring groove. *These are ring groove specific call for part number and pricing.*

## NEW Thinner Groove Spacers!!

Total Seal now offers an .016" thick ring groove spacer in slotted and non slotted style. This spacer permits the use our .7mm top and 2nd rings in an .043" ring groove. This is very helpful useful in class racing where the user is required to run an .043" grooved piston. Or for the user that has a perfectly good piston with .043" grooves but want to take advantage of the significant reduction in friction the .7mm ring offers.



.016", .030", .046" STANDARD SPACER



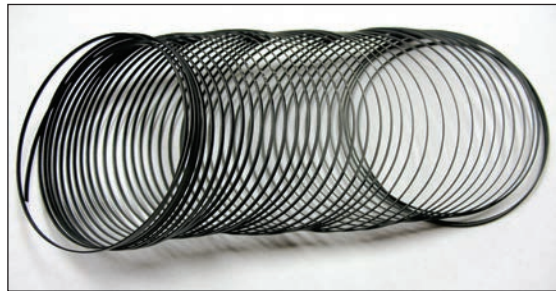
.016", .030", .046" GAS SLOT SPACER



BACK CLEARANCE SPACER

## Shim Stock

RING GROOVE SIZE	PART #	LENGTH	AXIAL	RADIAL
1.0mm, .043", 1.2mm	003248	25'	.035"	.014"
1.5mm, 1/16"	002957	25'	.055"	.016"
2.0mm, 5/64"	003239	25'	.070"	.014"



AS USED BY FORD PERFORMANCE RACING V8 SUPERCARS AUSTRALIA



BRYAN MANN



**If you don't see it, call us, WE CAN DO IT!**

# AP Advanced Profiling™ Top Ring

AP advanced profiling steel ring sets are custom manufactured in house to tight tolerances. This allows us to offer the strongest, lightest and most technologically advanced rings available. Combined with aerospace face coatings for low friction and reduced wear. AP advanced profiling steel rings are perfect for any application. Many popular sizes now available, custom sizes by request.

RING DIA	AXIAL	RADIAL	MATERIAL	COATING	CONV PART#	GAPLESS® PART #
2.995	.0309	.124	STEEL	C-33	100651	100651F
3.031	.0470	.122	STEEL	C-33	102301	102301F
3.031	.0470	.134	STEEL	C-33	101326	101326F
3.051	.0390	.126	STEEL	C-33	101262	101262F
3.071	.0390	.126	STEEL	C-33	101134	101134F
3.096	.0390	.126	STEEL	C-33	101590	101590F
3.110	.0390	.126	STEEL	C-33	100674	100674F
3.150	.0470	.134	STEEL	C-33	101995	101995F
3.190	.0390	.126	STEEL	C-33	100405	100405F
3.190	.0470	.134	STEEL	C-33	101519	101519F
3.210	.0585	.126	STEEL	C-33	102136	102136F
3.210	.0390	.126	STEEL	C-33	100406	100406F
3.210	.0470	.134	STEEL	C-33	101288	101288F
3.227	.0390	.126	STEEL	C-33	102107	102107F
3.228	.0470	.122	STEEL	C-33	102038	102038F
3.250	.0390	.126	STEEL	C-33	100407	100407F
3.257	.0470	.122	STEEL	C-33	102130	102130F
3.258	.0390	.126	STEEL	C-33	101724	101724F
3.267	.0390	.125	STEEL	C-33	101269	101269F
3.267	.0585	.150	STEEL	C-33	101094	101094F
3.270	.0390	.126	STEEL	C-33	100408	100408F
3.270	.0585	.126	STEEL	C-33	102090	102090F
3.287	.0390	.126	STEEL	C-33	100409	100409F
3.307	.0390	.126	STEEL	C-33	100837	100837F
3.307	.0470	.134	STEEL	C-33	101166	101166F
3.320	.0585	.150	STEEL	C-33	100634	100634F
3.327	.0390	.126	STEEL	C-33	100410	100410F
3.347	.0390	.126	STEEL	C-33	100411	100411F
3.347	.0470	.134	STEEL	C-33	101165	101165F
3.357	.0470	.122	STEEL	C-33	102042	102042F
3.357	.0470	.134	STEEL	C-33	102043	102043F
3.367	.0390	.126	STEEL	C-33	100774	100774F
3.267	.0470	.122	STEEL	C-33	102103	102103F
3.267	.0470	.134	STEEL	C-33	102125	102125F
3.287	.0470	.122	STEEL	C-33	102132	102132F
3.297	.0470	.122	STEEL	C-33	102129	102129F
3.330	.0354	.126	STEEL	C-33	102133	102133F
3.337	.0470	.122	STEEL	C-33	102128	102128F
3.347	.0585	.126	STEEL	C-33	102109	102109F
3.366	.0585	.126	STEEL	C-33	102110	102110F
3.367	.0470	.134	STEEL	C-33	101168	101168F
3.377	.0470	.122	STEEL	C-33	102108	102108F
3.386	.0585	.126	STEEL	C-33	102111	102111F
3.387	.0390	.126	STEEL	C-33	100412	100412F
3.387	.0470	.134	STEEL	C-33	101169	101169F
3.395	.0470	.134	STEEL	C-33	102041	102041F
3.405	.0390	.126	STEEL	C-33	101236	101236F
3.405	.0470	.134	STEEL	C-33	101170	101170F

RING DIA	AXIAL	RADIAL	MATERIAL	COATING	CONV PART#	GAPLESS® PART #
3.405	.0470	.150	STEEL	C-33	101982	101982F
3.405	.0585	.126	STEEL	C-33	102089	102089F
3.405	.0585	.150	STEEL	C-33	101974	101974F
3.410	.0470	.134	STEEL	C-33	101012	101012F
3.410	.0620	.173	STEEL	C-33	101048	101048F
3.415	.0470	.134	STEEL	C-33	102175	102175F
3.425	.0390	.126	STEEL	C-33	100413	100413F
3.425	.0585	.126	STEEL	C-33	102113	102113F
3.430	.0390	.126	STEEL	C-33	101695	101695F
3.445	.0390	.126	STEEL	C-33	100041	100041F
3.445	.0470	.134	STEEL	C-33	102100	102100F
3.445	.0585	.126	STEEL	C-33	102114	102114F
3.448	.0390	.126	STEEL	C-33	101960	101960F
3.448	.0470	.122	STEEL	C-33	102027	102027F
3.455	.0470	.134	STEEL	C-33	101152	101152F
3.465	.0390	.126	STEEL	C-33	100039	100039F
3.465	.0470	.134	STEEL	C-33	101164	101164F
3.465	.0585	.126	STEEL	C-33	102112	102112F
3.475	.0470	.134	STEEL	C-33	102045	102045F
3.484	.0390	.126	STEEL	C-33	101490	101490F
3.485	.0470	.134	STEEL	C-33	102104	102104F
3.504	.0470	.122	STEEL	C-33	102183	102183F
3.504	.0470	.134	STEEL	C-33	102182	102182F
3.505	.0390	.126	STEEL	C-33	100414	100414F
3.505	.0585	.126	STEEL	C-33	102300	102300F
3.524	.0390	.126	STEEL	C-33	100523	100523F
3.543	.0470	.134	STEEL	C-33	100922	100922F
3.545	.0390	.126	STEEL	C-33	100708	100708F
3.556	.0585	.150	STEEL	C-33	100678	100678F
3.562	.0470	.134	STEEL	C-33	102124	102124F
3.562	.0585	.150	STEEL	C-33	101334	101334F
3.563	.0390	.126	STEEL	C-33	101361	101361F
3.563	.0585	.126	STEEL	C-33	102102	102102F
3.572	.0470	.134	STEEL	C-33	102126	102126F
3.576	.0585	.150	STEEL	C-33	100679	100679F
3.582	.0390	.134	STEEL	C-33	101270	101270F
3.586	.0585	.150	STEEL	C-33	100680	100680F
3.587	.0470	.134	STEEL	C-33	101779	101779F
3.592	.0390	.126	STEEL	C-33	101644	101644F
3.597	.0585	.150	STEEL	C-33	102026	102026F
3.607	.0390	.126	STEEL	C-33	102186	102186F
3.607	.0470	.134	STEEL	C-33	102127	102127F
3.610	.0585	.150	STEEL	C-33	101957	101957F
3.622	.0390	.126	STEEL	C-33	100416	100416F
3.622	.0470	.134	STEEL	C-33	101167	101167F
3.626	.0585	.126	STEEL	C-33	102115	102115F
3.632	.0470	.134	STEEL	C-33	101407	101407F
3.635	.0585	.150	STEEL	C-33	101383	101383F
3.642	.0390	.126	STEEL	C-33	102058	102058F
3.642	.0470	.134	STEEL	C-33	101171	101171F
3.645	.0585	.150	STEEL	C-33	101384	101384F
3.652	.0470	.134	STEEL	C-33	101172	101172F
3.655	.0585	.150	STEEL	C-33	101385	101385F



**If you don't see it, call us,  
WE CAN DO IT!**

CONV = Conventional



# AP Advanced Profiling™ Top Ring (continued)

RING DIA	AXIAL	RADIAL	MATERIAL	COATING	CONV PART#	GAPLESS® PART #
3.661	.0390	.126	STEEL	C-33	100007	100007F
3.662	.0390	.126	STEEL	C-72	102216	102216F
3.662	.0390	.126	STEEL	C-33	100417	100417F
3.662	.0470	.134	STEEL	C-33	100826	100826F
3.662	.0585	.150	STEEL	C-33	100063	100063F
3.667	.0390	.126	STEEL	C-33	102016	102016F
3.672	.0470	.134	STEEL	C-33	102123	102123F
3.675	.0585	.126	STEEL	C-33	102116	102116F
3.682	.0470	.134	STEEL	C-33	101173	101173F
3.692	.0470	.134	STEEL	C-33	102131	102131F
3.700	.0470	.134	STEEL	C-33	101620	101620F
3.701	.0390	.126	STEEL	C-33	100042	100042F
3.702	.0390	.126	STEEL	C-33	100423	100423F
3.705	.0585	.150	STEEL	C-33	100725	100725F
3.710	.0470	.134	STEEL	C-33	102037	102037F
3.715	.0585	.150	STEEL	C-33	101977	101977F
3.720	.0470	.134	STEEL	C-33	102106	102106F
3.725	.0470	.134	STEEL	C-33	101768	101768F
3.725	.0585	.150	STEEL	C-33	101978	101978F
3.742	.0470	.134	STEEL	C-33	100424	100424F
3.742	.0585	.150	STEEL	C-33	101289	101289F
3.745	.0620	.173	STEEL	C-33	102168	102168F
3.750	.0470	.134	STEEL	C-33	100000	100000F
3.755	.0390	.126	STEEL	C-33	100040	100040F
3.755	.0470	.134	STEEL	C-33	100062	100062F
3.755	.0620	.173	STEEL	C-33	102169	102169F
3.758	.0470	.134	STEEL	C-33	101655	101655F
3.760	.0470	.134	STEEL	C-33	100798	100798F
3.765	.0620	.173	STEEL	C-33	102170	102170F
3.770	.0470	.134	STEEL	C-33	102074	102074F
3.775	.0470	.134	STEEL	C-33	100991	100991F
3.780	.0470	.134	STEEL	C-33	102101	102101F
3.780	.0620	.173	STEEL	C-33	102237	102237F
3.785	.0470	.134	STEEL	C-33	101174	101174F
3.785	.0585	.150	STEEL	C-33	101989	101989F
3.790	.0430	.173	STEEL	C-33	102077	102077F
3.800	.0430	.155	STEEL	C-33	102304	102304F
3.800	.0470	.134	STEEL	C-33	101175	101175F
3.805	.0620	.173	STEEL	C-33	101435	101435F
3.810	.0470	.134	STEEL	C-33	101176	101176F
3.815	.0430	.134	STEEL	C-33	100034	100034F
3.815	.0620	.173	STEEL	C-33	100238	100238F
3.820	.0470	.134	STEEL	C-33	101177	101177F
3.825	.0430	.135	STEEL	C-33	100468	100468F
3.825	.0620	.173	STEEL	C-33	100213	100213F
3.830	.0470	.134	STEEL	C-33	101767	101767F
3.835	.0620	.173	STEEL	C-33	100214	100214F
3.840	.0470	.134	STEEL	C-33	101714	101714F
3.845	.0470	.134	STEEL	C-33	102165	102165F
3.845	.0585	.150	STEEL	C-33	102067	102067F
3.855	.0470	.134	STEEL	C-33	100992	100992F
3.858	.0470	.134	STEEL	C-33	101778	101778F
3.858	.0585	.150	STEEL	C-33	101047	101047F
3.860	.0390	.126	STEEL	C-33	101474	101474F
3.860	.0470	.134	STEEL	C-33	102105	102105F
3.868	.0470	.134	STEEL	C-33	102149	102149F
3.870	.0390	.126	STEEL	C-33	100553	100553F

RING DIA	AXIAL	RADIAL	MATERIAL	COATING	CONV PART#	GAPLESS® PART #
3.870	.0620	.173	STEEL	C-33	101747	101747F
3.878	.0470	.134	STEEL	C-33	102033	102033F
3.880	.0620	.173	STEEL	C-33	101360	101360F
3.885	.0390	.126	STEEL	C-33	100768	100768F
3.885	.0585	.150	STEEL	C-33	100471	100471F
3.890	.0620	.173	STEEL	C-33	101748	101748F
3.897	.0470	.134	STEEL	C-33	100864	100864F
3.903	.0585	.150	STEEL	C-33	100131	100131F
3.905	.0620	.173	STEEL	C-33	102240	102240F
3.910	.0430	.155	STEEL	C-33	101506	101506F
3.910	.0470	.134	STEEL	C-33	101508	101508F
3.913	.0585	.150	STEEL	C-33	100132	100132F
3.917	.0470	.134	STEEL	C-33	101178	101178F
3.923	.0585	.150	STEEL	C-33	101188	101188F
3.927	.0470	.134	STEEL	C-33	101179	101179F
3.933	.0585	.150	STEEL	C-33	101189	101189F
3.937	.0470	.134	STEEL	C-33	101180	101180F
3.940	.0390	.126	STEEL	C-33	100469	100469F
3.940	.0430	.173	STEEL	C-33	100844	100844F
3.940	.0620	.173	STEEL	C-33	101532	101532F
3.945	.0585	.150	STEEL	C-33	100889	100889F
3.947	.0470	.134	STEEL	C-33	101264	101264F
3.957	.0470	.134	STEEL	C-33	101181	101181F
3.960	.0470	.134	STEEL	C-33	100556	100556F
3.970	.0585	.150	STEEL	C-33	100990	100990F
3.972	.0470	.134	STEEL	C-33	101321	101321F
3.976	.0470	.134	STEEL	C-33	102153	102153F
3.980	.0390	.126	STEEL	C-33	101951	101951F
3.982	.0470	.134	STEEL	C-33	101182	101182F
3.985	.0585	.150	STEEL	C-33	101386	101386F
3.987	.0470	.134	STEEL	C-33	101764	101764F
3.996	.0470	.134	STEEL	C-33	102154	102154F
4.000	.0390	.126	STEEL	C-33	102050	102050F
4.000	.0470	.134	STEEL	C-33	101765	101765F
4.000	.0620	.173	STEEL	C-33	101037	101037F
4.005	.0354	.126	STEEL	C-33	102150	102150F
4.005	.0390	.126	STEEL	C-33	102021	102021F
4.005	.0430	.134	STEEL	C-33	100025	100025F
4.005	.0430	.173	STEEL	C-33	100140	100140F
4.005	.0470	.134	STEEL	C-33	100642	100642F
4.005	.0470	.150	STEEL	C-33	102025	102025F
4.005	.0585	.150	STEEL	C-33	102024	102024F
4.005	.0620	.173	STEEL	C-33	100101	100101F
4.015	.0470	.134	STEEL	C-33	101280	101280F
4.015	.0585	.150	STEEL	C-33	100661	100661F
4.015	.0620	.173	STEEL	C-33	101947	101947F
4.020	.0390	.126	STEEL	C-33	100470	100470F
4.025	.0354	.126	STEEL	C-33	102151	102151F
4.025	.0430	.134	STEEL	C-33	100024	100024F
4.025	.0430	.173	STEEL	C-33	100141	100141F

CONV = Conventional



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# AP Advanced Profiling™ Top Ring (continued)

RING DIA	AXIAL	RADIAL	MATERIAL	COATING	CONV PART#	GAPLESS® PART #
4.025	.0470	.134	STEEL	C-33	100055	100055F
4.025	.0585	.150	STEEL	C-33	100773	100773F
4.025	.0620	.173	STEEL	C-33	100105	100105F
4.030	.0430	.134	STEEL	C-33	100036	100036F
4.030	.0430	.173	STEEL	C-33	100142	100142F
4.030	.0470	.134	STEEL	C-33	100056	100056F
4.030	.0585	.150	STEEL	C-33	101038	101038F
4.030	.0620	.173	STEEL	C-33	101022	101022F
4.035	.0354	.126	STEEL	C-33	102137	102137F
4.035	.0430	.134	STEEL	C-33	100010	100010F
4.035	.0430	.155	STEEL	C-33	101445	101445F
4.035	.0430	.173	STEEL	C-33	100143	100143F
4.035	.0470	.134	STEEL	C-33	100059	100059F
4.035	.0585	.150	STEEL	C-33	100043	100043F
4.035	.0620	.173	STEEL	C-33	100065	100065F
4.040	.0430	.134	STEEL	C-33	100037	100037F
4.040	.0430	.173	STEEL	C-33	100144	100144F
4.040	.0470	.134	STEEL	C-33	100057	100057F
4.040	.0620	.173	STEEL	C-33	101025	101025F
4.045	.0354	.126	STEEL	C-33	102138	102138F
4.045	.0390	.126	STEEL	C-33	100856	100856F
4.045	.0430	.134	STEEL	C-33	100009	100009F
4.045	.0430	.155	STEEL	C-33	101450	101450F
4.045	.0430	.173	STEEL	C-33	100145	100145F
4.045	.0470	.134	STEEL	C-33	100060	100060F
4.045	.0585	.150	STEEL	C-33	100044	100044F
4.045	.0620	.173	STEEL	C-33	100066	100066F
4.050	.0585	.150	STEEL	C-33	101230	101230F
4.052	.0470	.134	STEEL	C-33	101093	101093F
4.055	.0354	.126	STEEL	C-33	102226	102226F
4.055	.0430	.134	STEEL	C-33	101411	101411F
4.055	.0430	.155	STEEL	C-33	102056	102056F
4.055	.0585	.150	STEEL	C-33	101231	101231F
4.055	.0620	.173	STEEL	C-33	100788	100788F
4.060	.0430	.134	STEEL	C-33	100038	100038F
4.060	.0430	.173	STEEL	C-33	100146	100146F
4.060	.0470	.134	STEEL	C-33	100058	100058F
4.060	.0620	.173	STEEL	C-33	101035	101035F
4.065	.017 DYKE	.172	STEEL	C-33	100262	100262F
4.065	.0354	.126	STEEL	C-33	102139	102139F
4.065	.0430	.134	STEEL	C-33	100011	100011F
4.065	.0430	.155	STEEL	C-33	101446	101446F
4.065	.0430	.173	STEEL	C-33	100147	100147F
4.065	.0470	.134	STEEL	C-33	100061	100061F
4.065	.0585	.150	STEEL	C-33	100045	100045F
4.065	.0620	.173	STEEL	C-33	100067	100067F
4.065	.0620	.173	STEEL	C-33	101223	101223F
4.070	.0470	.134	STEEL	C-33	101710	101710F
4.075	.0430	.134	STEEL	C-33	101963	101963F
4.075	.0585	.150	STEEL	C-33	100724	100724F
4.075	.0620	.173	STEEL	C-33	100472	100472F

RING DIA	AXIAL	RADIAL	MATERIAL	COATING	CONV PART#	GAPLESS® PART #
4.080	.017 DYKE	.172	STEEL	C-33	100264	100264F
4.080	.0430	.155	STEEL	C-33	101659	101659F
4.080	.0620	.173	STEEL	C-33	100265	100265F
4.080	.0620	.173	STEEL	C-33	101224	101224F
4.085	.0430	.155	STEEL	C-33	102029	102029F
4.085	.0585	.150	STEEL	C-33	100739	100739F
4.085	.0620	.173	STEEL	C-33	101704	101704F
4.090	.0430	.134	STEEL	C-33	101755	101755F
4.095	.0470	.134	STEEL	C-33	101520	101520F
4.095	.0585	.150	STEEL	C-33	101211	101211F
4.095	.0620	.173	STEEL	C-33	101705	101705F
4.105	.0354	.126	STEEL	C-33	102152	102152F
4.105	.0430	.134	STEEL	C-33	100313	100313F
4.105	.0470	.150	STEEL	C-33	101971	101971F
4.105	.0585	.150	STEEL	C-33	100659	100659F
4.105	.0620	.173	STEEL	C-33	100312	100312F
4.115	.0585	.150	STEEL	C-33	102066	102066F
4.115	.0620	.173	STEEL	C-33	101706	101706F
4.120	.0390	.126	STEEL	C-33	100857	100857F
4.120	.0430	.134	STEEL	C-33	100611	100611F
4.125	.0430	.134	STEEL	C-33	101039	101039F
4.125	.0470	.134	STEEL	C-33	101255	101255F
4.125	.0620	.173	STEEL	C-33	101020	101020F
4.130	.017 DYKE	.172	STEEL	C-33	102219	102219F
4.130	.0354	.126	STEEL	C-33	102140	102140F
4.130	.0390	.134	STEEL	C-33	102287	102287F
4.130	.0430	.134	STEEL	C-33	100012	100012F
4.130	.0430	.155	STEEL	C-33	101441	101441F
4.130	.0430	.173	STEEL	C-33	100148	100148F
4.130	.0470	.134	STEEL	C-33	100049	100049F
4.130	.0585	.150	STEEL	C-33	100046	100046F
4.130	.0620	.173	STEEL	C-33	100068	100068F
4.135	.0354	.126	STEEL	C-33	102141	102141F
4.135	.0390	.134	STEEL	C-33	102288	102288F
4.135	.0430	.134	STEEL	C-33	100023	100023F
4.135	.0430	.155	STEEL	C-33	101449	101449F
4.135	.0430	.173	STEEL	C-33	100149	100149F
4.135	.0470	.134	STEEL	C-33	102272	102272F
4.135	.0585	.150	STEEL	C-33	101013	101013F
4.135	.0620	.173	STEEL	C-33	101014	101014F
4.135	.0620	.173	STEEL	C-33	101133	101133F
4.135	.0620	.173	STEEL	C-33	101141	101141F
4.140	.0354	.126	STEEL	C-33	102142	102142F
4.140	.0390	.134	STEEL	C-33	102215	102215F
4.140	.0430	.134	STEEL	C-33	100031	100031F
4.140	.0430	.155	STEEL	C-33	101447	101447F
4.140	.0430	.173	STEEL	C-33	100182	100182F
4.140	.0470	.134	STEEL	C-33	100050	100050F
4.140	.0585	.150	STEEL	C-33	100047	100047F
4.140	.0620	.173	STEEL	C-33	100107	100107F
4.145	.0354	.126	STEEL	C-33	102143	102143F
4.145	.0430	.134	STEEL	C-33	101017	101017F
4.145	.0430	.155	STEEL	C-33	101658	101658F



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CONV = Conventional

# AP Advanced Profiling™ Top Ring (continued)

RING DIA	AXIAL	RADIAL	MATERIAL	COATING	CONV PART#	GAPLESS® PART #
4.145	.0430	.173	STEEL	C-33	101018	101018F
4.145	.0470	.134	STEEL	C-33	101121	101121F
4.145	.0585	.150	STEEL	C-33	101019	101019F
4.145	.0620	.173	STEEL	C-33	101016	101016F
4.150	.0354	.126	STEEL	C-33	102144	102144F
4.150	.0390	.134	STEEL	C-33	102289	102289F
4.150	.0430	.134	STEEL	C-33	100027	100027F
4.150	.0430	.173	STEEL	C-33	100151	100151F
4.150	.0470	.134	STEEL	C-33	100051	100051F
4.150	.0585	.150	STEEL	C-33	100205	100205F
4.150	.0620	.173	STEEL	C-33	100103	100103F
4.155	.0354	.126	STEEL	C-33	102145	102145F
4.155	.0430	.134	STEEL	C-33	100030	100030F
4.155	.0430	.155	STEEL	C-33	101448	101448F
4.155	.0430	.173	STEEL	C-33	100152	100152F
4.155	.0470	.134	STEEL	C-33	100380	100380F
4.155	.0585	.150	STEEL	C-33	100048	100048F
4.155	.0620	.173	STEEL	C-33	101024	101024F
4.160	.0354	.126	STEEL	C-33	102146	102146F
4.160	.0430	.134	STEEL	C-33	100013	100013F
4.160	.0430	.155	STEEL	C-33	101442	101442F
4.160	.0430	.173	STEEL	C-33	100153	100153F
4.160	.0470	.134	STEEL	C-33	100052	100052F
4.160	.0585	.150	STEEL	C-33	100226	100226F
4.160	.0620	.173	STEEL	C-33	100069	100069F
4.165	.0430	.134	STEEL	C-33	100020	100020F
4.165	.0430	.173	STEEL	C-33	100154	100154F
4.165	.0470	.134	STEEL	C-33	100554	100554F
4.165	.0585	.150	STEEL	C-33	100206	100206F
4.165	.0620	.173	STEEL	C-33	101027	101027F
4.170	.0354	.126	STEEL	C-33	102118	102118F
4.170	.0430	.134	STEEL	C-33	100014	100014F
4.170	.0430	.155	STEEL	C-33	101444	101444F
4.170	.0430	.173	STEEL	C-33	100155	100155F
4.170	.0470	.134	STEEL	C-33	100053	100053F
4.170	.0470	.150	STEEL	C-33	101719	101719F
4.170	.0585	.150	STEEL	C-33	100715	100715F
4.170	.0620	.173	STEEL	C-33	100070	100070F
4.175	.0354	.126	STEEL	C-33	102155	102155F
4.175	.0430	.134	STEEL	C-33	100026	100026F
4.175	.0430	.173	STEEL	C-33	100156	100156F
4.175	.0620	.173	STEEL	C-33	102009	102009F
4.180	.0354	.126	STEEL	C-33	102223	102223F
4.180	.0430	.134	STEEL	C-33	100018	100018F
4.180	.0430	.173	STEEL	C-33	100157	100157F
4.180	.0470	.134	STEEL	C-33	100054	100054F
4.185	.0354	.126	STEEL	C-33	102224	102224F
4.185	.0430	.134	STEEL	C-33	100022	100022F
4.185	.0430	.173	STEEL	C-33	100158	100158F
4.185	.0470	.134	STEEL	C-33	101542	101542F
4.185	.0620	.173	STEEL	C-33	100302	100302F
4.190	.017 DYKE	.172	STEEL	C-33	100210	100210F
4.190	.0354	.126	STEEL	C-33	102147	102147F
4.190	.0430	.134	STEEL	C-33	100017	100017F
4.190	.0430	.155	STEEL	C-33	101443	101443F
4.190	.0430	.173	STEEL	C-33	100159	100159F

RING DIA	AXIAL	RADIAL	MATERIAL	COATING	CONV PART#	GAPLESS® PART #
4.190	.0470	.134	STEEL	C-33	100762	100762F
4.190	.0585	.150	STEEL	C-33	101324	101324F
4.190	.0620	.173	STEEL	C-33	100071	100071F
4.190	.0620	.173	STEEL	C-33	101225	101225F
4.190	.0620	.173	STEEL	C-33	101348	101348F
4.195	.0354	.126	STEEL	C-33	102156	102156F
4.200	.0430	.155	STEEL	C-33	101756	101756F
4.200	.0470	.134	STEEL	C-33	100792	100792F
4.205	.0354	.126	STEEL	C-33	102189	102189F
4.205	.0430	.134	STEEL	C-33	100778	100778F
4.205	.0430	.173	STEEL	C-33	100217	100217F
4.205	.0620	.173	STEEL	C-33	101144	101144F
4.215	.0430	.134	STEEL	C-33	102222	102222F
4.215	.0620	.173	STEEL	C-33	101617	101617F
4.225	.0430	.134	STEEL	C-33	101354	101354F
4.230	.0430	.134	STEEL	C-33	101415	101415F
4.230	.0430	.173	STEEL	C-33	101342	101342F
4.235	.0430	.134	STEEL	C-33	101416	101416F
4.235	.0620	.172	STEEL	C-33	102273	102273F
4.240	.0430	.134	STEEL	C-33	101417	101417F
4.245	.0354	.126	STEEL	C-33	102162	102162F
4.245	.0430	.134	STEEL	C-33	101418	101418F
4.255	.017 DYKE	.173	STEEL	C-33	101393	101393F
4.255	.0430	.134	STEEL	C-33	100789	100789F
4.255	.0430	.173	STEEL	C-33	100259	100259F
4.255	.0470	.150	STEEL	C-33	102065	102065F
4.255	.0620	.173	STEEL	C-33	101451	101451F
4.255	.0620	.173	STEEL	C-33	100119	100119F
4.265	.0430	.134	STEEL	C-33	101758	101758F
4.265	.0430	.173	STEEL	C-33	101703	101703F
4.270	.0620	.172	STEEL	C-33	102166	102166F
4.280	.0620	.173	STEEL	C-33	101040	101040F
4.285	.0430	.134	STEEL	C-33	100035	100035F
4.285	.0430	.173	STEEL	C-33	100160	100160F
4.285	.0620	.173	STEEL	C-33	100100	100100F
4.295	.0430	.134	STEEL	C-33	102177	102177F
4.310	.0620	.173	STEEL	C-33	101026	101026F
4.315	.0354	.126	STEEL	C-33	102157	102157F
4.315	.0430	.134	STEEL	C-33	100019	100019F
4.315	.0430	.173	STEEL	C-33	100161	100161F
4.315	.0470	.134	STEEL	C-33	100004	100004F
4.315	.0620	.173	STEEL	C-33	100099	100099F
4.325	.0430	.173	STEEL	C-33	101484	101484F
4.325	.0470	.134	STEEL	C-33	100571	100571F
4.325	.0620	.173	STEEL	C-33	101579	101579F
4.335	.0620	.173	STEEL	C-33	101664	101664F
4.350	.0620	.173	STEEL	C-33	101028	101028F
4.355	.0430	.134	STEEL	C-33	100032	100032F
4.355	.0430	.173	STEEL	C-33	100162	100162F
4.355	.0620	.173	STEEL	C-33	100102	100102F

CONV = Conventional



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# AP Advanced Profiling™ Top Ring (continued)

RING DIA	AXIAL	RADIAL	MATERIAL	COATING	CONV PART#	GAPLESS® PART #
4.375	.0620	.173	STEEL	C-33	101029	101029F
4.380	.017 DYKE	.172	STEEL	C-33	100952	100952F
4.380	.0430	.134	STEEL	C-33	100021	100021F
4.380	.0430	.173	STEEL	C-33	100163	100163F
4.380	.0620	.173	STEEL	C-33	100097	100097F
4.380	.0620	.173	STEEL	C-33	101226	101226F
4.385	.0470	.134	STEEL	C-33	101232	101232F
4.395	.0620	.173	STEEL	C-33	100109	100109F
4.400	.0430	.173	STEEL	C-33	100189	100189F
4.400	.0620	.173	STEEL	C-33	100464	100464F
4.425	.0430	.134	STEEL	C-33	100737	100737F
4.425	.0620	.173	STEEL	C-33	100126	100126F
4.440	.0430	.134	STEEL	C-33	100033	100033F
4.440	.0430	.173	STEEL	C-33	100164	100164F
4.445	.0620	.173	STEEL	C-33	100884	100884F
4.455	.0430	.173	STEEL	C-33	100893	100893F
4.471	.017 DYKE	.172	STEEL	C-33	100775	100775F
4.471	.0430	.173	STEEL	C-33	100175	100175F
4.471	.0430	.173	STEEL	NONE	100174	100174F
4.471	.0620	.173	STEEL	C-33	100209	100209F
4.471	.0620	.173	STEEL	C-33	101227	101227F
4.500	.0620	.173	STEEL	C-33	101023	101023F
4.505	.017 DYKE	.172	STEEL	C-33	100874	100874F
4.505	.0430	.134	STEEL	C-33	100015	100015F
4.505	.0430	.173	STEEL	C-33	100165	100165F
4.505	.0620	.173	STEEL	C-33	100098	100098F
4.385	.0620	.173	STEEL	C-33	102285	102285F
4.505	.0354	.126	STEEL	C-33	102206	102206F
4.505	.0620	.173	STEEL	C-33	101228	101228F
4.510	.017 DYKE	.172	STEEL	C-33	101965	101965F
4.510	.0430	.173	STEEL	C-33	101403	101403F
4.510	.0620	.173	STEEL	C-33	101404	101404F
4.520	.0430	.173	STEEL	C-33	101511	101511F
4.530	.0430	.173	STEEL	C-33	101041	101041F
4.530	.0585	.150	STEEL	C-33	102295	102295F
4.530	.0620	.173	STEEL	C-33	101030	101030F
4.535	.017 DYKE	.172	STEEL	C-33	102167	102167F
4.535	.0430	.134	STEEL	C-33	100029	100029F
4.535	.0430	.173	STEEL	C-33	100166	100166F
4.535	.0620	.173	STEEL	C-33	100106	100106F
4.560	.0430	.173	STEEL	C-33	101042	101042F
4.560	.0620	.173	STEEL	C-33	101031	101031F
4.567	.0430	.134	STEEL	C-33	100016	100016F
4.567	.0430	.173	STEEL	C-33	100167	100167F
4.567	.0620	.173	STEEL	C-33	100104	100104F
4.580	.0430	.173	STEEL	C-33	101405	101405F
4.580	.0620	.173	STEEL	C-33	101406	101406F
4.600	.0430	.173	STEEL	C-33	100136	100136F

RING DIA	AXIAL	RADIAL	MATERIAL	COATING	CONV PART#	GAPLESS® PART #
4.600	.0620	.173	STEEL	C-33	101021	101021F
4.605	.017 DYKE	.172	STEEL	C-33	100284	100284F
4.605	.0354	.126	STEEL	C-33	102148	102148F
4.605	.0430	.134	STEEL	C-33	100008	100008F
4.605	.0430	.173	STEEL	C-33	100168	100168F
4.605	.0585	.150	STEEL	C-33	101961	101961F
4.605	.0620	.173	STEEL	C-33	100093	100093F
4.605	.0620	.173	STEEL	C-33	101229	101229F
4.615	.0354	.126	STEEL	C-33	102159	102159F
4.615	.0430	.134	STEEL	C-33	102205	102205F
4.615	.0430	.173	STEEL	C-33	100817	100817F
4.615	.0620	.173	STEEL	C-33	100816	100816F
4.625	.0430	.173	STEEL	C-33	101043	101043F
4.625	.0620	.173	STEEL	C-33	101044	101044F
4.630	.0354	.126	STEEL	C-33	102160	102160F
4.630	.0430	.134	STEEL	C-33	100087	100087F
4.630	.0430	.173	STEEL	C-33	100169	100169F
4.630	.0620	.173	STEEL	C-33	100108	100108F
4.630	.0620	.173	STEEL	C-33	101351	101351F
4.650	.0430	.134	STEEL	C-33	100088	100088F
4.650	.0430	.173	STEEL	C-33	100170	100170F
4.680	.0430	.134	STEEL	C-33	100089	100089F
4.680	.0430	.173	STEEL	C-33	100171	100171F
4.680	.0620	.173	STEEL	C-33	100705	100705F
4.700	.0430	.173	STEEL	C-33	101392	101392F
4.705	.0430	.134	STEEL	C-33	100028	100028F
4.705	.0430	.173	STEEL	C-33	100172	100172F
4.705	.0620	.173	STEEL	C-33	101301	101301F
4.730	.0430	.134	STEEL	C-33	101731	101731F
4.730	.0430	.173	STEEL	C-33	100507	100507F
4.730	.0620	.173	STEEL	C-33	100595	100595F
4.755	.0430	.134	STEEL	C-33	100090	100090F
4.755	.0430	.173	STEEL	C-33	100173	100173F
4.755	.0470	.173	STEEL	C-33	102271	102271F
4.755	.0620	.173	STEEL	C-33	100299	100299F
4.760	.0430	.173	STEEL	C-33	100787	100787F
4.805	.0430	.173	STEEL	C-33	100208	100208F
4.855	.0585	.150	STEEL	C-33	100648	100648F
4.875	.0620	.173	STEEL	C-33	100720	100720F
4.880	.0430	.173	STEEL	C-33	100501	100501F
4.880	.0620	.173	STEEL	C-33	100865	100865F
4.980	.0620	.173	STEEL	C-33	100929	100929F
5.000	.0430	.134	STEEL	C-33	100886	100886F
5.000	.0430	.173	STEEL	C-33	101158	101158F
5.000	.0620	.173	STEEL	C-33	100722	100722F
5.010	.0430	.173	STEEL	C-33	101402	101402F
5.015	.0430	.173	STEEL	C-33	102093	102093F
5.030	.0430	.173	STEEL	C-33	102094	102094F
5.050	.0430	.173	STEEL	C-33	101504	101504F
5.085	.0430	.173	STEEL	C-33	101033	101033F
5.125	.0430	.173	STEEL	C-33	100904	100904F
5.125	.0620	.173	STEEL	C-33	101564	101564F
5.130	.0430	.173	STEEL	C-33	101330	101330F
5.135	.0430	.173	STEEL	C-33	101327	101327F
5.140	.0430	.173	STEEL	C-33	101329	101329F
5.145	.0430	.173	STEEL	C-33	101328	101328F
5.225	.0430	.173	STEEL	C-33	101577	101577F

CONV = Conventional



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# AP Advanced Profiling™ 2nd Ring

RING DIA	AXIAL	RADIAL	MATERIAL	COATING	PROFILE	PART#
3.465	.0390	.123	STEEL	NONE	NAPIER	102119
3.685	.0470	.134	STEEL	NONE	TAPER	100806
3.661	.0470	.134	STEEL	NONE	TAPER	100716
3.970	.0430	.170	STEEL	NONE	NAPIER	102253
4.185	.0430	.135	STEEL	NONE	NAPIER	101975
4.220	.0430	.135	STEEL	NONE	NAPIER	102262
4.235	.0620	.170	STEEL	NONE	NAPIER	102274
4.285	.0430	.135	STEEL	NONE	NAPIER	102171
4.295	.0430	.135	STEEL	NONE	NAPIER	102178
4.305	.0620	.170	STEEL	NONE	NAPIER	101958
4.325	.0620	.170	STEEL	NONE	NAPIER	102286
4.471	.0620	.170	STEEL	NONE	TAPER	102081
4.515	.0620	.170	STEEL	NONE	NAPIER	102012
4.615	.0620	.170	STEEL	NONE	NAPIER	102014
4.615	.0430	.170	STEEL	NONE	NAPIER	102017
4.705	.0430	.173	STEEL	NONE	TAPER	100235
4.755	.0620	.173	STEEL	NONE	TAPER	100251
4.980	.0430	.170	STEEL	NONE	NAPIER	102018
5.010	.0430	.170	STEEL	NONE	NAPIER	101994
5.020	.0430	.170	STEEL	NONE	NAPIER	102076
5.125	.0430	.170	STEEL	NONE	TAPER	101274
5.130	.0430	.170	STEEL	NONE	TAPER	101271
5.135	.0430	.170	STEEL	NONE	TAPER	101272
5.140	.0430	.170	STEEL	NONE	TAPER	101273
4.065	.0620	.170	STEEL	NONE	NAPIER	100263
4.080	.0620	.170	STEEL	NONE	NAPIER	100266
4.105	.0620	.170	STEEL	NONE	NAPIER	101277
4.125	.0620	.170	STEEL	NONE	NAPIER	101688
4.130	.0430	.170	STEEL	NONE	NAPIER	101268
4.135	.0620	.170	STEEL	NONE	NAPIER	101142
4.140	.0430	.135	STEEL	NONE	NAPIER	101672
4.140	.0430	.170	STEEL	NONE	NAPIER	100895
4.145	.0620	.170	STEEL	NONE	NAPIER	101689
4.160	.0430	.135	STEEL	NONE	NAPIER	100333
4.160	.0430	.170	STEEL	NONE	NAPIER	101235
4.160	.0620	.170	STEEL	NONE	NAPIER	101114
4.180	.0430	.170	STEEL	NONE	NAPIER	100896
4.190	.0620	.170	STEEL	NONE	NAPIER	101350
4.230	.0430	.135	STEEL	NONE	NAPIER	101413
4.240	.0430	.135	STEEL	NONE	NAPIER	101414
4.265	.0430	.135	STEEL	NONE	NAPIER	101759
4.275	.0430	.135	STEEL	NONE	NAPIER	101761
4.280	.0620	.170	STEEL	NONE	NAPIER	101746
4.315	.0620	.170	STEEL	NONE	NAPIER	100298
4.325	.0430	.170	STEEL	NONE	NAPIER	101485
4.350	.0620	.170	STEEL	NONE	NAPIER	101642

RING DIA	AXIAL	RADIAL	MATERIAL	COATING	PROFILE	PART#
4.380	.0620	.170	STEEL	NONE	NAPIER	101127
4.425	.0620	.170	STEEL	NONE	NAPIER	101749
4.445	.0620	.170	STEEL	NONE	NAPIER	101660
4.471	.0430	.170	STEEL	NONE	NAPIER	100330
4.471	.0620	.170	STEEL	NONE	NAPIER	100268
4.505	.0430	.170	STEEL	NONE	NAPIER	100376
4.505	.0620	.170	STEEL	NONE	NAPIER	100729
4.520	.0430	.170	STEEL	NONE	NAPIER	101512
4.535	.0620	.170	STEEL	NONE	NAPIER	101671
4.565	.0430	.170	STEEL	NONE	NAPIER	101279
4.567	.0620	.170	STEEL	NONE	NAPIER	100292
4.605	.0430	.170	STEEL	NONE	NAPIER	101486
4.605	.0620	.170	STEEL	NONE	NAPIER	100267
4.630	.0620	.170	STEEL	NONE	NAPIER	100660
4.675	.0430	.170	STEEL	NONE	NAPIER	101693
4.685	.0430	.170	STEEL	NONE	NAPIER	101400
4.705	.0430	.170	STEEL	NONE	NAPIER	101300
4.705	.0620	.170	STEEL	NONE	NAPIER	102176
4.715	.0430	.135	STEEL	NONE	NAPIER	101713
4.755	.0430	.170	STEEL	NONE	NAPIER	100269
4.755	.0620	.170	STEEL	NONE	NAPIER	101109
4.765	.0430	.170	STEEL	NONE	NAPIER	101643
4.855	.0430	.170	STEEL	NONE	NAPIER	100654
4.875	.0620	.170	STEEL	NONE	NAPIER	100721
4.880	.0420	.170	STEEL	NONE	NAPIER	101088
4.880	.0430	.170	STEEL	NONE	NAPIER	100500
4.905	.0620	.170	STEEL	NONE	NAPIER	101697
4.980	.0615	.160	STEEL	NONE	NAPIER	101597
4.980	.0620	.170	STEEL	NONE	NAPIER	100930
5.000	.0430	.134	STEEL	NONE	NAPIER	100887
5.000	.0430	.170	STEEL	NONE	NAPIER	101159
5.000	.0620	.170	STEEL	NONE	NAPIER	100723
5.030	.0620	.170	STEEL	NONE	NAPIER	102096
5.050	.0430	.170	STEEL	NONE	NAPIER	101505
5.055	.0430	.134	STEEL	NONE	NAPIER	101524
5.085	.0430	.170	STEEL	NONE	NAPIER	101034
5.015	.0620	.170	STEEL	NONE	NAPIER	102095
5.125	.0430	.170	STEEL	C-33	NAPIER	100273
5.125	.0430	.170	STEEL	NONE	NAPIER	100980
5.125	.0470	.132	STEEL	NONE	NAPIER	101539
5.125	.0620	.170	STEEL	NONE	NAPIER	101699
5.130	.0430	.170	STEEL	NONE	NAPIER	101238
5.135	.0430	.170	STEEL	NONE	NAPIER	101239
5.140	.0430	.170	STEEL	NONE	NAPIER	101240
5.145	.0430	.170	STEEL	NONE	NAPIER	101721
5.225	.0430	.173	STEEL	NONE	NAPIER	101578



JOEY MORIARTY



**If you don't see it, call us,  
WE CAN DO IT!**

# TNT™ Top Rings

Our latest in Hybrid ductile iron ring technology. The centrifugally spun, heat-treated ductile iron top ring is specifically designed to withstand the rigors of nitrous oxide and forced induction environments. They're quick seating, easy on the cylinder walls and available with our optional PVD face coatings for further reductions in friction and increased wear ability.

RING DIA	GROOVE	RADIAL	PART #
4.035	.043	.185	200000
4.035	.043	.155	200025
4.035	1/16	.185	200002
4.035	1.5	.160	200026
4.045	1/16	.185	200003
4.045	1.5	.160	200027
4.065	.043	.185	200020
4.065	.043	.155	200029
4.065	1/16	.185	200004
4.065	1.5	.160	200028
4.125	.043	.185	200008
4.125	.043	.155	200030
4.130	.043	.185	200009
4.130	.043	.155	200031
4.130	1/16	.185	200001
4.130	1.5	.160	200032
4.135	.043	.185	200010
4.135	.043	.155	200033
4.150	.043	.185	200011
4.150	.043	.155	200034
4.155	.043	.185	200012
4.155	.043	.155	200035
4.160	.043	.185	200013
4.160	.043	.155	200036
4.160	1/16	.185	200005
4.160	1.5	.160	200039

RING DIA	GROOVE	RADIAL	PART #
4.170	.043	.185	200014
4.170	.043	.155	200037
4.175	.043	.185	200015
4.175	.043	.155	200038
4.180	.043	.185	200016
4.180	.043	.155	200040
4.185	.043	.185	200017
4.185	.043	.155	200041
4.190	.043	.185	200018
4.190	.043	.155	200042
4.285	1/16	.185	200006
4.505	1/16	.210	200007
4.675	.043	.210	200019
4.675	.043	.175	200043
4.680	.043	.210	200021
4.680	.043	.175	200044
4.685	.043	.210	200022
4.685	.043	.175	200045
4.690	.043	.210	200023
4.690	.043	.175	200046
4.705	.043	.210	200024
4.705	.043	.175	200047
4.720	.043	.210	200055
4.735	.043	.210	200056
4.805	.043	.210	200059



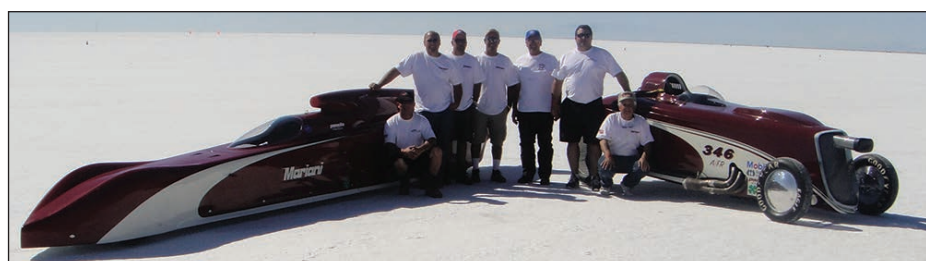
MARK BITNER



MATT HARTFORD



JOHN URIST



MARIANI RACING



**If you don't see it, call us,  
WE CAN DO IT!**



# Napier® 2<sup>nd</sup> Rings



These 2<sup>nd</sup> rings are designed using the latest in sharp edge technology. Their unique face profile and positive torsional twist combine to produce a highly effective oil scraper yet show dramatic reductions in friction.

RING DIA	AXIAL	RADIAL	MATERIAL	PART #
3.902	.0586	.163	CAST	209685
3.907	.0586	.163	CAST	209683
3.912	.0586	.163	CAST	209684
3.942	.0586	.163	CAST	213012
4.000	.0775	.185	CAST	213000
4.005	.0430	.145	DUCTILE	213025
4.005	.0430	.145	CAST	002581
4.005	.0586	.170	CAST	213001
4.005	.0625	.185	CAST	002609
4.020	.0586	.170	CAST	209913
4.020	.0625	.170	CAST	207921
4.025	.0625	.170	CAST	207922
4.025	.0625	.185	CAST	002610
4.030	.0625	.185	CAST	002611
4.035	.0430	.145	CAST	002565
4.035	.0430	.145	DUCTILE	213017
4.035	.0586	.170	CAST	213013
4.035	.0625	.170	CAST	207924
4.035	.0625	.185	CAST	002566
4.045	.0430	.145	DUCTILE	213018
4.045	.0430	.145	CAST	002582
4.045	.0586	.170	CAST	213014
4.045	.0625	.185	CAST	209668
4.050	.0586	.170	CAST	211029
4.055	.0586	.170	CAST	210931
4.060	.0625	.185	CAST	002613
4.065	.0430	.145	DUCTILE	213019
4.065	.0430	.145	CAST	002583
4.065	.0586	.170	CAST	213015
4.065	.0625	.185	CAST	002614
4.075	.0586	.170	CAST	213002
4.075	.0586	.170	CAST	209917
4.085	.0586	.170	CAST	209914
4.095	.0587	.170	CAST	207926
4.105	.0430	.140	CAST	207957
4.105	.0587	.170	CAST	207927
4.115	.0586	.170	CAST	207928
4.115	.0625	.170	CAST	207929
4.120	.0625	.185	CAST	002615
4.125	.0586	.170	CAST	207931
4.125	.0625	.185	CAST	002616
4.130	.0430	.145	CAST	002584
4.130	.0430	.145	DUCTILE	213020
4.130	.0586	.170	CAST	213003
4.130	.0625	.185	CAST	209726
4.135	.0430	.145	DUCTILE	213004
4.135	.0586	.170	CAST	213005
4.135	.0620	.170	CAST	207936
4.140	.0586	.170	CAST	207937
4.140	.0625	.185	CAST	002618
4.145	.0430	.145	DUCTILE	213016
4.145	.0586	.170	CAST	213006
4.145	.0625	.170	CAST	207940
4.150	.0430	.145	DUCTILE	213007
4.150	.0586	.170	CAST	207941
4.150	.0625	.185	CAST	002619
4.155	.0430	.145	CAST	002585
4.155	.0586	.170	CAST	213008
4.155	.0625	.185	CAST	002620

RING DIA	AXIAL	RADIAL	MATERIAL	PART #
4.160	.0430	.145	CAST	002586
4.160	.0430	.145	DUCTILE	213021
4.160	.0586	.170	CAST	213009
4.160	.0625	.185	CAST	002621
4.165	.0430	.145	CAST	002587
4.165	.0586	.170	CAST	207946
4.170	.0430	.145	CAST	002588
4.170	.0586	.170	CAST	207947
4.170	.0625	.185	CAST	002622
4.175	.0430	.145	CAST	002589
4.175	.0586	.170	CAST	207948
4.180	.0430	.145	CAST	002590
4.180	.0586	.170	CAST	207949
4.185	.0430	.145	CAST	002591
4.185	.0586	.170	CAST	207950
4.185	.0625	.185	CAST	002623
4.190	.0430	.145	DUCTILE	213026
4.190	.0430	.145	CAST	002592
4.190	.0586	.170	CAST	207952
4.190	.0625	.185	CAST	002624
4.195	.0586	.170	CAST	207953
4.195	.0625	.170	CAST	209368
4.205	.0430	.145	CAST	002593
4.205	.0586	.170	CAST	212003
4.255	.0430	.170	CAST	002594
4.255	.0586	.170	CAST	213011
4.285	.0430	.170	CAST	002595
4.285	.0586	.170	CAST	207954
4.285	.0625	.185	CAST	002625
4.315	.0430	.170	CAST	002596
4.315	.0586	.170	CAST	207955
4.315	.0625	.185	CAST	002626
4.355	.0625	.185	CAST	002627
4.380	.0430	.170	CAST	209699
4.380	.0625	.185	CAST	002628
4.505	.0430	.170	CAST	209700
4.505	.0586	.170	CAST	210468
4.505	.0625	.185	CAST	002629
4.535	.0430	.170	CAST	209701
4.535	.0625	.170	CAST	207956
4.565	.0625	.185	CAST	002630
4.605	.0430	.170	DUCTILE	209697
4.605	.0625	.185	CAST	002631
4.615	.0430	.170	DUCTILE	213010
4.630	.0430	.170	DUCTILE	209698
4.680	.0430	.170	DUCTILE	209760
4.685	.0430	.170	DUCTILE	209762
4.690	.0430	.170	DUCTILE	209763
4.695	.0430	.170	DUCTILE	209759
4.705	.0430	.170	DUCTILE	209764
4.735	.0430	.170	DUCTILE	209761
4.755	.0430	.170	DUCTILE	209765
4.755	.0587	.170	CAST	209735
4.805	.0587	.170	DUCTILE	212197

For groove sizes smaller than .043  
refer to Diamond Finish™  
section starting on page 16.



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## Set Descriptions

# NEW PRODUCT!

## M2 Tool Steel Top Rings

M2 will handle extreme environments like ADRL & NHRA PRO MOD racing where copious amounts of Nitrous Oxide is used or supercharged applications like Top Fuel, Pro Mod & Top Alcohol, just to name a few. These rings keeps coming back, round after round, just as strong and sealed up, as they were on the first pass.

Total Seal M2 Tool Steel top rings are available in Gapless or conventional styles, with or without our proprietary C-69 anti friction face coating.

## AP Advanced Profiling™ Steel Top Ring Sets

AP sets are now located in the sets by bore size section starting on page 34.

See our New ultra Thin AP Piston Ring Sets on page 12.

# NEW

AP advanced profiling steel ring sets are custom manufactured in house to tight tolerances. This allows us to offer the strongest, lightest and most technologically advanced rings available. Combined with aerospace face coatings for low friction and reduced wear. AP advanced profiling steel rings are perfect for any application. Many popular sizes now available, custom sizes by request.

## Diamond Finish™

Top rings are produced to an axial tolerance of  $\pm .000050$ " with a surface roughness of  $<4$  microinches. Radial tolerance is held to  $\pm .0005$ ". Face coatings include plasma moly or state of the art proprietary PVD coatings.

Diamond Finish™ 2<sup>nd</sup> rings are produced to the same tight tolerances shown above and are available with a standard taper face or new sharp edge technology napier design.

See pages 19–32 for a complete listing of sizes, materials and available coatings.

## Gapless® Top Ring sets

(MS) Sets feature AP steel Gapless top rings, conventional or napier 2<sup>nd</sup> rings (when available) & standard tension oil rings.

(MSL) Same as above with low tension oil rings.

(MSG) Same as above with Gold Power low tension oil rings.

Application: AP sets are for use in all applications including extreme nitrous and or high boost.

Gold power and Low tension oil rings are not recommended for street use.

(M) Maxseal sets feature ductile iron Gapless top rings, conventional or napier 2<sup>nd</sup> rings (when available) & standard tension oil rings.

(ML) Same as above with low tension oil rings.

(MG) Same as above with Gold Power low tension oil rings.

Application: All applications including mild nitrous or mild boost.

Gold power and Low tension oil rings are *not* recommended for street use.

(MX) Maxseal Xtreme sets for sport compact applications feature steel Gapless top rings, conventional 2<sup>nd</sup> rings and 3 piece standard tension oil rings. Application: Street, race, nitrous, forced induction.

## Gapless® 2<sup>nd</sup> ring sets

(TS) Sets feature AP steel top rings, Gapless 2<sup>nd</sup> rings and 3 piece standard tension oil rings.

(TSL) Same as above with low tension oil rings.

(TSG) Same as above with Gold Power low tension oil rings.

Application: AP sets are for use in all applications including extreme nitrous and or high boost.

Gold power and Low tension oil rings are *not* recommended for street use.



**If you don't see it, call us,  
WE CAN DO IT!**

## Set Descriptions (continued)

### Gapless® 2<sup>nd</sup> ring sets (continued)

(T) TS1 sets feature ductile iron top rings, **Gapless 2<sup>nd</sup> rings** & 3 piece standard tension oil rings.

(TL) Same as above with low tension oil rings.

(TG) Same as above with **Gold Power** low tension oil rings.

*Application:* TS1 sets are for use in all applications including mild nitrous or mild boost.

Gold power and Low tension oil rings are *not* recommended for street use.

(X) Xtreme sets for sport compact applications feature steel conventional top rings **Gapless 2<sup>nd</sup> rings** and standard tension 3 piece oil rings. *Application:* Street, race, nitrous, forced induction.

(S) TSS Street sets feature cast iron conventional top rings, **Gapless 2<sup>nd</sup> rings** and 3 piece standard tension oil rings. *Application:* Street, mild race no nitrous or forced induction 10.5-1 or lower compression.

(CL) Claimer sets feature cast iron conventional top rings, **Gapless 2<sup>nd</sup> rings** and **gold power low tension** oil rings. *Application:* Dirt track racing 11:1 or lower compression on race fuel.

### Conventional sets

(CS) Sets feature **AP steel top rings**, conventional 2nd rings & 3 piece standard tension oil rings.

(CSL) Same as above with low tension oil rings.

(CSG) Same as above with **Gold Power** low tension oil rings.

*Application:* AP sets are for use in all applications including extreme nitrous and or high boost.

Gold power and Low tension oil rings are *not* recommended for street use.

(CR) Classic Race sets feature ductile iron plasma moly top rings conventional 2nd rings & 3 piece standard tension oil rings.

(CRL) Same as above with low tension oil rings

(CRG) Same as above with **Gold Power** low tension oil rings

*Application:* For use in all applications including mild nitrous or mild boost.

Gold power and Low tension oil rings are not recommended for street use.

(C) Classic street sets feature conventional cast iron top rings, conventional 2<sup>nd</sup> rings and 3 piece standard tension oil rings.

*Application:* Street, mild race 10.5-1 or lower compression.

### Advantage sets

Are designed for use with 5/64 5/64 3/16 ring grooves in classes that require these sizes. Through the use of special sized groove spacers, narrow "pro series" style rings and low tension oil rings we can significantly reduce the amount ring drag in these applications. See page 63 for additional information and available bore sizes.

**Custom sets:** Available in a wide array of configurations and applications. If you don't see what your looking for call our Tech line @ 800.874.2753 and let us build what you need.

**Low Tension** oil rings offer an approximate 25% reduction in tension when compared to standard tension.

**Gold Power** low tension oil rings offer an approximate 40% reduction in tension when compared to standard tension.



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# Ring Sets by Bore Diameter – Aftermarket

Ring sets for performance applications typically using non-OE ring groove sizes. *Napier 2nds now available for most applications.*

Low tension oils not recommended for street use. \*Napier 2nd Rings standard in these sets when available. [See page 44 for set descriptions.](#)

BORE	CYLS	GROOVE SIZE	AVAILABLE SIZES <i>oversizes x .001"</i>	GAPLESS® TOP RING SETS		GAPLESS® 2ND RING SETS		CONVENTIONAL SETS	
				<i>AP Steel</i>	<i>Maxseal Ductile</i>	<i>AP Steel Top</i>	<i>TS1 Ductile Top</i>	<i>Classic AP Steel</i>	<i>Classic Race</i>
1.890	1	1.0 1.2 2.5		M1890XE		T1890XE		1890XE	
1.909	1	1.0 1.2 2.5		M1909XE		T1909XE		1909XE	
1.929	1	1.0 1.2 2.5		M1929XE		T1929XE		1929XE	
1.949	1	1.0 1.2 2.5		M1949XE		T1949XE		1949XE	
2.106	1	1.0 1.2 2.5		M2106XE		T2106XE		2106XE	
2.126	1	1.0 1.2 2.5		M2126XE		T2126XE		2126XE	
2.146	1	1.0 1.2 2.5		M2146XE		T2146XE		2146XE	
2.165	1	1.0 1.2 2.5		M2165XE		T2165XE		2165XE	
2.283	1	1.0 1.2 2.5		M2283XE		T2283XE		2283XE	
2.323	1	.8 .8 1.5		M2323XA		T2323XA		2323XA	
2.362	1	.8 .8 1.5		M2362XA		T2362XA		2362XA	
2.382	1	.8 .8 1.5		M2382XA		T2382XA		2382XA	
2.402	1	.8 .8 1.5		M2402XA		T2402XA		2402XA	
2.441	1	.8 .8 1.5		M2441XA		T2441XA		2441XA	
2.559	1	.8 .8 1.5		M2559XA		T2559XA		2559XA	
2.587	1	.8 .8 1.5		M2587XA		T2587XA		2587XA	
2.598	1	.8 .8 1.5		M2598XA		T2598XA		2598XA	
2.598	1	1.0 1.2 2.0		M2598XD		T2598XD		2598XD	
2.618	1	.8 .8 1.5		M2618XA		T2618XA		2618XA	
2.618	1	1.0 1.2 2.0		M2618XD		T2618XD		2618XD	
2.638	1	.8 .8 1.5		M2638XA		T2638XA		2638XA	
2.638	1	1.0 1.2 2.0		M2638XD		T2638XD		2638XD	
2.658	1	.8 .8 1.5		M2658XA		T2658XA		2658XA	
2.658	1	1.0 1.2 2.0		M2658XD		T2658XD		2658XD	
2.677	1	.8 .8 1.5		M2677XA		T2677XA		2677XA	
2.677	1	1.0 1.2 2.0		M2677XD		T2677XD		2677XD	
2.717	1	1.0 1.2 2.8		M2717XC		T2717XC		2717XC	
2.736	1	1.0 1.2 2.8		M2736XC		T2736XC		2736XC	
2.756	1	.8 .8 1.5		M2756XA		T2756XA		2756XA	
2.756	1	1.0 1.2 2.8		M2756XC		T2756XC		2756XC	
2.776	1	1.0 1.2 2.8		M2776XC		T2776XC		2776XC	
2.795	1	.8 .8 1.5		M2795XA		T2795XA		2795XA	
2.795	1	1.0 1.2 2.8		M2795XC		T2795XC		2795XC	
2.795	1	1.0 1.2 2.8		M2795XX		T2795XX		2795XX	
2.815	1	1.0 1.2 2.8		M2815XC		T2815XC		2815XC	
2.815	1	1.0 1.2 2.8		M2815XX		T2815XX		2815XX	
2.835	1	.8 .8 1.5		M2835XA		T2835XA		2835XA	
2.835	1	1.0 1.2 2.8		M2835XC		T2835XC		2835XC	

#### PREFIX LEGEND:

##### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street /race  
**MS** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension

##### (continued)

**MT** TNT  
**MTL** TNT, low tension

##### Gapless® 2nd ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension

##### (continued)

**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race



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# Ring Sets by Bore Diameter – Aftermarket (continued)

Ring sets for performance applications typically using non-OE ring groove sizes. *Napier 2nds now available for most applications*

**Low tension oils not recommended for street use.** \*Napier 2nd Rings standard in these sets when available. [See page 44 for set descriptions.](#)

BORE	CYLS	GROOVE SIZE	AVAILABLE SIZES <i>oversizes x .001"</i>	GAPLESS® TOP RING SETS		GAPLESS® 2ND RING SETS		CONVENTIONAL SETS	
				<i>AP Steel</i>	<i>Maxseal Ductile</i>	<i>AP Steel Top</i>	<i>TS1 Ductile Top</i>	<i>Classic AP Steel</i>	<i>Classic Race</i>
2.835	1	1.0 1.2 2.8		M2835XX		T2835XX		2835XX	
2.874	1	.8 .8 1.5		M2874XA		T2874XA		2874XA	
2.874	1	1.0 1.2 2.8		M2874XC		T2874XC		2874XC	
2.894	1	.8 .8 1.5		M2894XA		T2894XA		2894XA	
2.894	1	1.0 1.2 2.8		M2894XC		T2894XC		2894XC	
2.894	1	1.0 1.2 2.8		M2894XX		T2894XX		2894XX	
2.913	1	.8 .8 1.5		M2913XA		T2913XA		2913XA	
2.913	1	1.0 1.2 2.8		M2913XC		T2913XC		2913XC	
2.913	1	1.0 1.2 2.8		M2913XX		T2913XX		2913XX	
2.933	1	.8 .8 1.5		M2933XA		T2933XA		2933XA	
2.933	1	1.0 1.2 2.8		M2933XC		T2933XC		2933XC	
2.953	1	1.0 1.0 2.0		M2953XG		T2953XG		2953XG	
2.953	1	1.0 1.2 2.8		M2953XC		T2953XC		2953XC	
2.973	1	1.0 1.0 2.0		M2973XG		T2973XG		2973XG	
2.973	1	1.0 1.2 2.8		M2973XC		T2973XC		2973XC	
2.992	1	1.0 1.0 2.0		M2992XG		T2992XG		2992XG	
2.992	1	1.0 1.2 2.8		M2992XC		T2992XC		2992XC	
2.992	1	1.0 1.2 2.8		M2992XX		T2992XX		2992XX	
3.012	1	1.0 1.0 2.0		M3012XG		T3012XG		3012XG	
3.012	1	1.0 1.2 2.8		M3012XC		T3012XC		3012XC	
3.012	1	1.0 1.2 2.8		M3012XX		T3012XX		3012XX	
3.032	1	1.0 1.0 2.0		M3032XG		T3032XG		3032XG	
3.032	1	1.0 1.2 2.8		M3032XC		T3032XC		3032XC	
3.041	1	1.0 1.0 2.0		M3041XG		T3041XG		3041XG	
3.041	1	1.0 1.2 2.8		M3041XC		T3041XC		3041XC	
3.041	1	1.0 1.2 2.8		M3041XX		T3041XX		3041XX	
3.051	1	1.0 1.2 2.8		M3051XC		T3051XC		3051XC	
3.051	1	1.0 1.0 2.0		M3051XG		T3051XG		3051XG	
3.053	1	1.0 1.0 2.0		M3053XG		T3053XG		3053XG	
3.071	1	1.0 1.0 2.0		M3071XG		T3071XG		3071XG	
3.071	1	1.0 1.2 2.8		M3071XC		T3071XC		3071XC	
3.071	1	1.0 1.2 2.8		M3071XX		T3071XX		3071XX	
3.110	1	1.0 1.0 2.0		M3110XG		T3110XG		3110XG	
3.110	1	1.0 1.2 2.8		M3110XC		T3110XC		3110XC	
3.110	1	1.0 1.2 2.8		M3110XX		T3110XX		3110XX	
3.130	1	1.0 1.0 2.0		M3130XG		T3130XG		3130XG	
3.140	1	1.0 1.0 2.0		M3140XG		T3140XG		3140XG	
3.150	1	1.0 1.0 2.0		M3150XG		T3150XG		3150XG	

#### PREFIX LEGEND:

##### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension

**CT** TNT  
**CTL** TNT, low tension

##### USE

**S** Street  
**R** Race  
**S/R** Street or Race



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# Ring Sets by Bore Diameter – Aftermarket (continued)

Ring sets for performance applications typically using non-OE ring groove sizes. *Napier 2nds now available for most applications.*

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BORE	CYLS	GROOVE SIZE	AVAILABLE SIZES <i>oversizes x .001"</i>	GAPLESS® TOP RING SETS		GAPLESS® 2ND RING SETS		CONVENTIONAL SETS	
				<i>AP Steel</i>	<i>Maxseal Ductile</i>	<i>AP Steel Top</i>	<i>TS1 Ductile Top</i>	<i>Classic AP Steel</i>	<i>Classic Race</i>
3.150	1	1.0 1.2 2.8		<b>M3150XC</b>		<b>T3150XC</b>		<b>3150XC</b>	
3.169	1	1.0 1.2 2.8		<b>M3169XC</b>		<b>T3169XC</b>		<b>3169XC</b>	
3.187	4	1/16 5/64 5/32	STD 5 20 30 35 45		<b>M5455</b> STD OIL 20LB+/-		<b>T5455</b> STD OIL 20LB+/-		<b>CR5455</b> STD OIL 20LB+/-
3.189	1	1.0 1.0 2.0		<b>M3189XG</b>		<b>T3189XG</b>		<b>3189XG</b>	
3.189	1	1.0 1.2 2.8		<b>M3189XC</b>		<b>T3189XC</b>		<b>3189XC</b>	
3.189	1	1.0 1.2 2.8		<b>M3189XX</b>		<b>T3189XX</b>		<b>3189XX</b>	
3.208	1	1.0 1.0 2.0		<b>M3208XG</b>		<b>T3208XG</b>		<b>3208XG</b>	
3.208	1	1.0 1.2 2.8		<b>M3208XC</b>		<b>T3208XC</b>		<b>3208XC</b>	
3.228	1	1.0 1.0 2.0		<b>M3228XG</b>		<b>T3228XG</b>		<b>3228XG</b>	
3.228	1	1.0 1.2 2.8		<b>M3228XC</b>		<b>T3228XC</b>		<b>3228XC</b>	
3.228	1	1.0 1.2 2.8		<b>M3228XX</b>		<b>T3228XX</b>		<b>3228XX</b>	
3.250	1	1.0 1.2 2.8		<b>M3250XC</b>		<b>T3250XC</b>		<b>3250XC</b>	
3.268	1	1.0 1.0 2.0		<b>M3268XG</b>		<b>T3268XG</b>		<b>3268XG</b>	
3.268	1	1.0 1.2 2.8		<b>M3268XC</b>		<b>T3268XC</b>		<b>3268XC</b>	
3.287	1	1.0 1.2 2.8		<b>M3287XC</b>		<b>T3287XC</b>		<b>3287XC</b>	
3.287	1	1.0 1.2 2.8		<b>M3287XX</b>		<b>T3287XX</b>		<b>3287XX</b>	
3.307	1	1.0 1.2 2.8		<b>M3307XC</b>		<b>T3307XC</b>		<b>3307XC</b>	
3.307	1	1.0 1.2 2.8		<b>M3307XX</b>		<b>T3307XX</b>		<b>3307XX</b>	
3.327	1	1.0 1.2 2.8		<b>M3327XC</b>		<b>T3327XC</b>		<b>3327XC</b>	
3.327	1	1.0 1.2 2.8		<b>M3327XX</b>		<b>T3327XX</b>		<b>3327XX</b>	
3.346	1	1.0 1.2 2.0		<b>M3346XR</b>		<b>T3346XR</b>		<b>3346XR</b>	
3.347	1	1.0 1.2 2.8		<b>M3347XC</b>		<b>T3347XC</b>		<b>3347XC</b>	
3.347	1	1.0 1.2 2.8		<b>M3347XX</b>		<b>T3347XX</b>		<b>3347XX</b>	
3.386	1	1.0 1.2 2.0		<b>M3386XR</b>		<b>T3386XR</b>		<b>3386XR</b>	
3.386	1	1.0 1.2 2.8		<b>M3386XC</b>		<b>T3386XC</b>		<b>3386XC</b>	
3.386	1	1.0 1.2 2.8		<b>M3386XX</b>		<b>T3386XX</b>		<b>3386XX</b>	
3.425	1	1.0 1.2 2.8		<b>M3425XC</b>		<b>T3425XC</b>		<b>3425XC</b>	
3.425	1	1.0 1.2 2.8		<b>M3425XX</b>		<b>T3425XX</b>		<b>3425XX</b>	
3.445	1	1.0 1.2 2.8		<b>M3445XC</b>		<b>T3445XC</b>		<b>3445XC</b>	
3.445	1	1.0 1.2 2.8		<b>M3445XX</b>		<b>T3445XX</b>		<b>3445XX</b>	
3.465	1	1.0 1.2 2.8		<b>M3465XC</b>		<b>T3465XC</b>		<b>3465XC</b>	
3.465	1	1.0 1.2 2.8		<b>M3465XX</b>		<b>T3465XX</b>		<b>3465XX</b>	
3.484	1	1.0 1.2 2.8		<b>M3484XC</b>		<b>T3484XC</b>		<b>3484XC</b>	
3.504	1	1.0 1.2 2.8		<b>M3504XC</b>		<b>T3504XC</b>		<b>3504XC</b>	
3.514	1	1.0 1.2 2.8		<b>M3514XC</b>		<b>T3514XC</b>		<b>3514XC</b>	
3.524	1	1.0 1.2 2.8		<b>M3524XC</b>		<b>T3524XC</b>		<b>3524XC</b>	

#### PREFIX LEGEND:

##### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street /race  
**MS** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension

##### (continued)

**MT** TNT  
**MTL** TNT, low tension

##### Gapless® 2nd ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension

##### (continued)

**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race



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# Ring Sets by Bore Diameter – Aftermarket (continued)

Ring sets for performance applications typically using non-OE ring groove sizes. *Napier 2nds now available for most applications*

**Low tension oils not recommended for street use.** \*Napier 2nd Rings standard in these sets when available. [See page 44 for set descriptions.](#)

BORE	CYLS	GROOVE SIZE	AVAILABLE SIZES <i>oversizes x .001"</i>	GAPLESS® TOP RING SETS		GAPLESS® 2ND RING SETS		CONVENTIONAL SETS	
				<i>AP Steel</i>	<i>Maxseal Ductile</i>	<i>AP Steel Top</i>	<i>TS1 Ductile Top</i>	<i>Classic AP Steel</i>	<i>Classic Race</i>
3.534	1	1.0 1.2 2.8		<b>M3534XC</b>		<b>T3534XC</b>		<b>3534XC</b>	
3.534	1	1.0 1.2 2.8		<b>M3534XX</b>		<b>T3534XX</b>		<b>3534XX</b>	
3.543	1	1.0 1.2 2.0		<b>M3543XR</b>		<b>T3543XR</b>		<b>3543XR</b>	
3.544	1	1.0 1.2 2.8		<b>M3544XC</b>		<b>T3544XC</b>		<b>3544XC</b>	
3.544	1	1.0 1.2 2.8		<b>M3544XX</b>		<b>T3544XX</b>		<b>3544XX</b>	
3.552	8	1.5 1.5 3.0	5 25 35	<b>MS8264</b> LOW OIL 11LB+/-		<b>TS8264</b> LOW OIL 11LB+/-	<b>T8264</b> LOW OIL 11LB+/-	<b>CS8264</b> LOW OIL 11LB+/-	<b>CR8264</b> LOW OIL 11LB+/-
3.500	4	1/16 1/16 3/16	5 15 25 35 45 65				<b>TL0489</b> LOW OIL 16LB+/-		<b>CRL0489</b> LOW OIL 16LB+/-
3.563	1	1.0 1.2 2.8		<b>M3563XC</b>		<b>T3563XC</b>		<b>3563XC</b>	
3.575	4	1/16 1/16 1/8	STD 5 25 30 35				<b>TL4455</b> LOW OIL 16LB+/-		<b>CRL4455</b> LOW OIL 16LB+/-
3.575	4	1/16 1/16 3/16	STD 25 35				<b>T1007</b> STD OIL 20LB+/-		<b>CR1007</b> STD OIL 20LB+/-
3.583	1	1.0 1.2 2.8		<b>M3583XC</b>		<b>T3583XC</b>		<b>3583XC</b>	
3.583	1	1.0 1.2 2.8		<b>M3583XX</b>		<b>T3583XX</b>		<b>3583XX</b>	
3.622	1	1.0 1.2 2.0		<b>M3622XR</b>		<b>T3622XR</b>		<b>3622XR</b>	
3.622	1	1.0 1.2 2.8		<b>M3622XC</b>		<b>T3622XC</b>		<b>3622XC</b>	
3.625	8	1/16 1/16 3/16	5 35 65				<b>TL7369</b> LOW OIL 16LB+/-		<b>CRL7369</b> LOW OIL 16LB+/-
3.630	8	1.5 1.5 3.0	STD 10 20 30	<b>MS1550</b>		<b>TS1550</b>		<b>CS1550</b>	
3.642	1	1.0 1.2 2.8		<b>M3642XC</b>		<b>T3642XC</b>		<b>3642XC</b>	
3.653	1	1.0 1.2 2.8		<b>M3563XX</b>		<b>T3563XX</b>		<b>3563XX</b>	
3.661	1	1.0 1.2 2.8		<b>M3661XC</b>		<b>T3661XC</b>		<b>3661XC</b>	
3.700	8	1.5 1.5 3.0		<b>MS0394</b> STD OIL 13LB+/-	<b>M0394</b> STD OIL 13LB+/-	<b>TS0394</b> STD OIL 13LB+/-	<b>T0394</b> STD OIL 13LB+/-	<b>CS0394</b> STD OIL 13LB+/-	<b>CR0394</b> STD OIL 13LB+/-
3.701	1	1.0 1.2 2.0		<b>M3701XR</b>		<b>T3701XR</b>		<b>3701XR</b>	
3.701	1	1.0 1.2 2.8		<b>M3701XC</b>		<b>T3701XC</b>		<b>3701XC</b>	
3.736	8	.043 .043 3.0	35 45 65	<b>MS4335</b> LOW OIL 10LB+/-		<b>TS4335</b> LOW OIL 10LB+/-		<b>CS4335</b> LOW OIL 10LB+/-	
3.736	8	1.2 1.5 3.0	5 25 35 45 65		<b>M2015</b> STD OIL 13LB+/-		<b>T2015</b> STD OIL 13LB+/-		<b>CR2015</b> STD OIL 13LB+/-
3.736	8	1.5 1.5 3.0	5 35 45 65		<b>M3055</b> STD OIL 13LB+/-		<b>T3055</b> STD OIL 13LB+/-		<b>CR3055</b> STD OIL 13LB+/-

#### PREFIX LEGEND:

##### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, *low tension*  
**CRG** Classic Race, *gold power low tension*  
**CS** Classic Steel top  
**CSL** Classic Steel top, *low tension*  
**CSG** Classic Steel top, *gold power low tension*

**CT** TNT  
**CTL** TNT, *low tension*

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race



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# Ring Sets by Bore Diameter – Aftermarket (continued)

Ring sets for performance applications typically using non-OE ring groove sizes. *Napier 2nds now available for most applications.*

Low tension oils not recommended for street use. \*Napier 2nd Rings standard in these sets when available. [See page 44 for set descriptions.](#)

BORE	CYLS	GROOVE SIZE	AVAILABLE SIZES <i>oversizes x .001"</i>	GAPLESS® TOP RING SETS		GAPLESS® 2ND RING SETS		CONVENTIONAL SETS	
				<i>AP Steel</i>	<i>Maxseal Ductile</i>	<i>AP Steel Top</i>	<i>TS1 Ductile Top</i>	<i>Classic AP Steel</i>	<i>Classic Race</i>
3.736	8	5/64 5/64 3/16	5 35 45 65		<b>M9945</b> STD OIL 20LB+/-		<b>T9945</b> STD OIL 20LB+/-		<b>CR9945</b> STD OIL 20LB+/-
3.736	8	1/16 1/16 3/16	5 35 45 65		<b>M4920</b> STD OIL 20LB+/-		<b>T4920</b> STD OIL 20LB+/-		<b>CR4920</b> STD OIL 20LB+/-
3.736	8	1/16 1/16 3/16	5 35 45 65		<b>ML4920</b> LOW OIL 16LB+/-		<b>TL4920</b> LOW OIL 16LB+/-		<b>CRL4920</b> LOW OIL 16LB+/-
3.740	1	1.2 1.5 4.0		<b>M3740XH</b>		<b>T3740XH</b>		<b>3740XH</b>	
3.741	1	1.2 1.5 2.0		<b>M3741XS</b>		<b>T3741XS</b>		<b>3741XS</b>	
3.750	8	1/16 1/16 3/16	5 35		<b>M9519</b> STD OIL 20LB+/-		<b>T9519</b> STD OIL 20LB+/-		<b>CR9519</b> STD OIL 20LB+/-
3.780	1	.7 1.2 2.0		<b>M3780EK</b>		<b>T3780EK</b>		<b>3780EK</b>	
3.780	1	1.2 1.5 4.0		<b>M3780XH</b>		<b>T3780XH</b>		<b>3780XH</b>	
3.780	4	5/64 5/64 3/16	STD 5 25 35 40 45 65		<b>M3024</b> STD OIL 20LB+/-		<b>T3024</b> STD OIL 20LB+/-		<b>CR3024</b> STD OIL 20LB+/-
3.780	4	1/16 1/16 3.0	35 45		<b>M1011</b> LOW OIL 11LB+/-		<b>T1011</b> LOW OIL 11LB+/-		<b>CR1011</b> LOW OIL 11LB+/-
3.780	4	1/16 1/16 3/16	5 20 25 30 35 40 45 65		<b>M7255</b> STD OIL 20LB+/-		<b>T7255</b> STD OIL 20LB+/-		<b>CR7255</b> STD OIL 20LB+/-
3.780	4	1/16 1/16 3/16	5 20 25 30 35 40 45 65		<b>ML7255</b> LOW OIL 16LB+/-		<b>TL7255</b> LOW OIL 16LB+/-		<b>CRL7255</b> LOW OIL 16LB+/-
3.780	4	1/16 1/16 3/16	35 45 55	<b>MS7255</b> LOW OIL 20LB +/-		<b>TS7255</b> LOW OIL 20LB +/-		<b>CS7255</b> LOW OIL 20LB +/-	
3.799	1	1.2 1.5 2.0		<b>M3799XS</b>		<b>T3799XS</b>		<b>3799XS</b>	
3.800	6	5/64 5/64 3/16	STD 5 25 30 35 45 65		<b>M2165</b> STD OIL 20LB+/-		<b>T2165</b> STD OIL 20LB+/-		<b>CR2165</b> STD OIL 20LB+/-
3.800	6	1.5 1.5 3.0	STD 5 10 15 20 25 35 45				<b>T8544</b> LOW OIL 11LB+/-		<b>CR8544</b> LOW OIL 11LB+/-
3.800	6	1/16 1/16 3/16	5 15 20 25 35		<b>ML5899</b> LOW OIL 16LB+/-		<b>TL5899</b> LOW OIL 16LB+/-		<b>CRL5899</b> LOW OIL 16LB+/-
3.800	6	1/16 1/16 3/16	15 25 35	<b>MS5899</b> LOW OIL 20LB +/-		<b>TS5899</b> LOW OIL 20LB +/-		<b>CS5899</b> LOW OIL 20LB +/-	
3.819	1	1.2 1.5 2.0		<b>M3819XS</b>		<b>T3819XS</b>		<b>3819XS</b>	
3.819	1	1.2 1.5 4.0		<b>M3819XH</b>		<b>T3819XH</b>		<b>3819XH</b>	

#### PREFIX LEGEND:

##### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street /race  
**MS** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension

##### (continued)

**MT** TNT  
**MTL** TNT, low tension

##### Gapless® 2nd ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension

##### (continued)

**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race



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# Ring Sets by Bore Diameter – Aftermarket (continued)

Ring sets for performance applications typically using non-OE ring groove sizes. *Napier 2nds now available for most applications*

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BORE	CYLS	GROOVE SIZE	AVAILABLE SIZES <i>oversizes x .001"</i>	GAPLESS® TOP RING SETS		GAPLESS® 2ND RING SETS		CONVENTIONAL SETS	
				<i>AP Steel</i>	<i>Maxseal Ductile</i>	<i>AP Steel Top</i>	<i>TS1 Ductile Top</i>	<i>Classic AP Steel</i>	<i>Classic Race</i>
3.839	1	1.2 1.5 4.0		<b>M3839XH</b>		<b>T3839XH</b>		<b>3839XH</b>	
3.858	1	.7 1.2 2.0		<b>M3858EK</b>		<b>T3858EK</b>		<b>3858EK</b>	
3.858	1	1.2 1.5 2.0		<b>M3858XS</b>		<b>T3858XS</b>		<b>3858XS</b>	
3.858	1	1.2 1.5 4.0		<b>M3858XH</b>		<b>T3858XH</b>		<b>3858XH</b>	
3.875	8	.043 1/16 3/16	35 65		<b>M4306</b> STD OIL 20LB+/-		<b>T4306</b> STD OIL 20LB+/-		<b>CR4306</b> STD OIL 20LB+/-
3.875	8	.043 1/16 3/16	35 65		<b>ML4306</b> LOW OIL 16LB+/-		<b>TL4306</b> LOW OIL 16LB+/-		<b>CRL4306</b> LOW OIL 16LB+/-
3.875	8	1/16 1/16 1/8	STD 5 30 35 40 60 65				<b>T1490</b> STD OIL 20LB+/-		<b>CR1490</b> STD OIL 20LB+/-
3.875	8	1/16 1/16 3/16	5 30 35 40 60 65		<b>M1005</b> STD OIL 20LB+/-		<b>T1005</b> STD OIL 20LB+/-		<b>CR1005</b> STD OIL 20LB+/-
3.898	8	1.5 1.5 3.0	5 15 45 65	<b>MS7984</b> LOW OIL 11LB+/-	<b>M7984</b> LOW OIL 11LB+/-	<b>TS7984</b> LOW OIL 11LB+/-	<b>T7984</b> LOW OIL 11LB+/-	<b>CS7984</b> LOW OIL 11LB+/-	<b>CR7984</b> LOW OIL 11LB+/-
3.918	8	1.5 1.5 3.0	STD 5 10 15 20 25 30 35 40		<b>M7905</b> LOW OIL 11LB+/-		<b>T7905</b> LOW OIL 11LB+/-		<b>CR7905</b> LOW OIL 11LB+/-
3.937	4	1.0 1.2 3.0		<b>MS2028</b> LOW OIL 11LB+/-		<b>TS2028</b> LOW OIL 11LB+/-		<b>CS2028</b> LOW OIL 11LB+/-	
3.937	1	1.2 1.5 2.0		<b>M3937XS</b>		<b>T3937XS</b>		<b>3937XS</b>	
3.937	1	1.2 1.5 4.0		<b>M3937XH</b>		<b>T3937XH</b>		<b>3937XH</b>	
3.956	1	1.2 1.5 2.0		<b>M3956XS</b>		<b>T3956XS</b>		<b>3956XS</b>	
3.965	8	1/16 1/16 3/16	5		<b>M5810</b> STD OIL 20LB+/-		<b>T5810</b> STD OIL 20LB+/-		<b>CR5810</b> STD OIL 20LB+/-
3.976	1	1.2 1.5 2.0		<b>M3976XS</b>		<b>T3976XS</b>		<b>3976XS</b>	
3.977	1	1.2 1.5 4.0		<b>M3977XH</b>		<b>T3977XH</b>		<b>3977XH</b>	
4.000	8	.017 1/16 3/16	5 25 35 45 65				<b>T1700</b> STD OIL 20LB+/-		<b>CR1700</b> STD OIL 20LB+/-
4.000	8	.031 1/16 3/16	5 25 35 65				<b>T3100</b> STD OIL 20LB+/-		<b>CR3100</b> STD OIL 20LB+/-
4.000	8	.031 1/16 3/16	5 25 35 65				<b>TL3100</b> LOW OIL 16LB+/-		<b>CRL3100</b> LOW OIL 16LB+/-
4.000	8	1.0 1.0 2.0	25 45	<b>MS2027</b> LOW OIL 11LB+/-		<b>TS2027</b> LOW OIL 11LB+/-		<b>CS2027</b> LOW OIL 11LB+/-	

#### PREFIX LEGEND:

##### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension

**CT** TNT  
**CTL** TNT, low tension

##### USE

**S** Street  
**R** Race  
**S/R** Street or Race



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# Ring Sets by Bore Diameter – Aftermarket (continued)

Ring sets for performance applications typically using non-OE ring groove sizes. *Napier 2nds now available for most applications.*

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BORE	CYLS	GROOVE SIZE	AVAILABLE SIZES <i>oversizes x .001"</i>	GAPLESS® TOP RING SETS		GAPLESS® 2ND RING SETS		CONVENTIONAL SETS	
				<i>AP Steel</i>	<i>Maxseal Ductile</i>	<i>AP Steel Top</i>	<i>TS1 Ductile Top</i>	<i>Classic AP Steel</i>	<i>Classic Race</i>
4.000	8	.043 .043 3.0	5 25 35 45 65 85 125 130 135 145	*MSL0010 LOW OIL 8LB+/-	*ML0010 LOW OIL 8LB+/-	TSL0010 LOW OIL 8LB+/-	TL0010 LOW OIL 8LB+/-	CSL0010 LOW OIL 8LB+/-	CRL0010 LOW OIL 8LB+/-
4.000	8	.043 .043 3.0	5 25 35 45 65 85 125 130 135 145	*MS0010 LOW OIL 11LB+/-	*MG0010 LOW OIL 11LB+/-	TS0010 LOW OIL 11LB+/-	TG0010 LOW OIL 11LB+/-	CS0010 LOW OIL 11LB+/-	CRG0010 LOW OIL 11LB+/-
4.000	8	.043 1.5 3.0	5 25 35 45 65 85 105	MS4315 LOW OIL 11LB+/-	M4315 LOW OIL 11LB+/-	TS4315 LOW OIL 11LB+/-	T4315 LOW OIL 11LB+/-	CS4315 LOW OIL 11LB+/-	CR4315 LOW OIL 11LB+/-
4.000	8	.043 1.5 3.0	5 25 35 45 65 85	MSL4315 LOW OIL 8LB+/-	ML4315 LOW OIL 8LB+/-	TSL4315 LOW OIL 8LB+/-	TL4315 LOW OIL 8LB+/-	CSL4315 LOW OIL 8LB+/-	CRL4315 LOW OIL 8LB+/-
4.000	8	.043 .043 3/16	5 25 35 45 65 85 105 125 130 135	*MS1010 STD OIL 22LB+/-	*M1010 STD OIL 22LB+/-	TS1010 STD OIL 22LB+/-	T1010 STD OIL 22LB+/-	CS1010 STD OIL 22LB+/-	CR1010 STD OIL 22LB+/-
4.000	8	.043 .043 3/16	5 25 35 45 65 85 105 125 130 135	*MSL1010 LOW OIL 16LB+/-	*ML1010 LOW OIL 16LB+/-	TSL1010 LOW OIL 16LB+/-	TL1010 LOW OIL 16LB+/-	CS1010 LOW OIL 16LB+/-	CRL1010 LOW OIL 16LB+/-
4.000	8	.043 .043 3/16	5 25 35 45 65 85 105 125 130 135	*MSG1010 LOW OIL 11LB+/-	*MG1010 LOW OIL 11LB+/-	TSG1010 LOW OIL 11LB+/-	TG1010 LOW OIL 11LB+/-	CSG1010 LOW OIL 11LB+/-	CRG1010 LOW OIL 11LB+/-
4.000	8	.043 1/16 3.0	5 25 35 45 65 105	*MS4308 LOW OIL 11LB+/-	*M4308 LOW OIL 11LB+/-	TS4308 LOW OIL 11LB+/-	T4308 LOW OIL 11LB+/-	CS4308 LOW OIL 11LB+/-	CR4308 LOW OIL 11LB+/-
4.000	8	.043 1/16 3.0	5 25 35 45 65	*MSL4308 LOW OIL 8LB+/-	*ML4308 LOW OIL 8LB+/-	TSL4308 LOW OIL 8LB+/-	TL4308 LOW OIL 8LB+/-	CSL4308 LOW OIL 8LB+/-	CRL4308 LOW OIL 8LB+/-
4.000	8	.043 1/16 3/16	5 25 35 45 65 85 105	*MS4300 STD OIL 20LB+/-	*M4300 STD OIL 20LB+/-	TS4300 STD OIL 20LB+/-	T4300 STD OIL 20LB+/-	CS4300 STD OIL 20LB+/-	CR4300 STD OIL 20LB+/-
4.000	8	.043 1/16 3/16	5 25 35 45 65 85 105	*MSL4300 LOW OIL 16LB+/-	*ML4300 LOW OIL 16LB+/-	TSL4300 LOW OIL 16LB+/-	TL4300 LOW OIL 16LB+/-	CSL4300 LOW OIL 16LB+/-	CRL4300 LOW OIL 16LB+/-
4.000	8	.043 1/16 3/16	5 25 35 45 65 85	*MSG4300 GOLD OIL 11LB+/-	*MG4300 GOLD OIL 11LB+/-	TSG4300 GOLD OIL 11LB+/-	TG4300 GOLD OIL 11LB+/-	CSG4300 GOLD OIL 11LB+/-	CRG4300 GOLD OIL 11LB+/-
4.000	8	1.2 .043 3.0	5 15 25 35 45 65	*MS4706 LOW OIL 11LB+/-		TS4706 LOW OIL 11LB+/-		CS4706 LOW OIL 11LB+/-	
4.000	8	1.2 .043 3.0	5 15 25 35 45 65	*MSL4706 LOW OIL 8LB+/-		TSL4706 LOW OIL 8LB+/-		CSL4706 LOW OIL 8LB+/-	
4.000	8	1.2 1.2 3.0	5 15 25 35 45 65 85	*MS4708 LOW OIL 11LB+/-		TS4708 LOW OIL 11LB+/-		CS4708 LOW OIL 11LB+/-	
4.000	8	1.2 1.2 3.0	5 15 25 35 45 65 85	*MSL4708 LOW OIL 8LB+/-		TSL4708 LOW OIL 8LB+/-		CSL4708 LOW OIL 8LB+/-	

#### PREFIX LEGEND:

##### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street /race  
**MS** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension

##### (continued)

**MT** TNT  
**MTL** TNT, low tension

##### Gapless® 2nd ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension

##### (continued)

**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race



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# Ring Sets by Bore Diameter – Aftermarket (continued)

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BORE	CYLS	GROOVE SIZE	AVAILABLE SIZES <i>oversizes x .001"</i>	GAPLESS® TOP RING SETS		GAPLESS® 2ND RING SETS		CONVENTIONAL SETS	
				<i>AP Steel</i>	<i>Maxseal Ductile</i>	<i>AP Steel Top</i>	<i>TS1 Ductile Top</i>	<i>Classic AP Steel</i>	<i>Classic Race</i>
4.000	8	1.2 1.5 2.5	5	<b>MS4712</b> LOW OIL 10LB +/-		<b>TS4712</b> LOW OIL 10LB +/-		<b>CS4712</b> LOW OIL 10LB +/-	
4.000	8	1.2 1.5 3.0	5 15 25 35 45 65	<b>MS4701</b> LOW OIL 11LB +/-		<b>TS4701</b> LOW OIL 11LB +/-		<b>CS4701</b> LOW OIL 11LB +/-	
4.000	8	1.2 1.5 3.0	5 15 25 35 45 65	<b>MSL4701</b> LOW OIL 8LB +/-		<b>TSL4701</b> LOW OIL 8LB +/-		<b>CSL4701</b> LOW OIL 8LB +/-	
4.000	8	1.5 .043 3.0	5 25 35 45 65 85	* <b>M4320</b> LOW OIL 11LB +/-	* <b>M4320</b> LOW OIL 11LB +/-	<b>TS4320</b> LOW OIL 11LB +/-	<b>T4320</b> LOW OIL 11LB +/-	<b>CS4320</b> LOW OIL 11LB +/-	<b>CR4320</b> LOW OIL 11LB +/-
4.000	8	1.5 .043 3.0	5 25 35 45 65 85	* <b>ML4320</b> LOW OIL 8LB +/-	* <b>ML4320</b> LOW OIL 8LB +/-	<b>TSL4320</b> LOW OIL 8LB +/-	<b>TL4320</b> LOW OIL 8LB +/-	<b>CSL4320</b> LOW OIL 8LB +/-	<b>CRL4320</b> LOW OIL 8LB +/-
4.000	8	1.5 1.5 2.5	5	<b>MS5701</b> LOW OIL 11LB +/-		<b>TS5701</b> LOW OIL 11LB +/-		<b>CS5701</b> LOW OIL 11LB +/-	
4.000	8	1.5 1.5 3.0	5 25 35 45 65 75 85 105 130 140 155	<b>MSL2010</b> LOW OIL 8LB +/-	<b>ML2010</b> LOW OIL 8LB +/-	<b>TSL2010</b> LOW OIL 8LB +/-	<b>TL2010</b> LOW OIL 8LB +/-	<b>CSL2010</b> LOW OIL 8LB +/-	<b>CRL2010</b> LOW OIL 8LB +/-
4.000	8	1.5 1.5 3.0	5 25 35 45 65 85 130 140 155	<b>MSG2010</b> LOW OIL 11LB +/-	<b>MG2010</b> LOW OIL 11LB +/-	<b>TS2010</b> LOW OIL 11LB +/-	<b>TG2010</b> LOW OIL 11LB +/-	<b>CS2010</b> LOW OIL 11LB +/-	<b>CRG2010</b> LOW OIL 11LB +/-
4.000	8	1.5 1.5 3.0	5 25 35 45 65		<b>M1009</b> LOW OIL 11LB +/-		<b>T1009</b> LOW OIL 11LB +/-		<b>CR1009</b> LOW OIL 11LB +/-
4.000	8	1.5 1.5 4.0	STD 5 25 30 35 45 65	<b>MS6434</b> STD OIL 15LB +/-	<b>M6434</b> STD OIL 15LB +/-	<b>TS6434</b> STD OIL 15LB +/-	<b>T6434</b> STD OIL 15LB +/-	<b>CS6434</b> STD OIL 15LB +/-	<b>CR6434</b> STD OIL 15LB +/-
4.000	8	1.5 1.5 3/16	5 15 35 45 65 85 130 140 155	<b>MSL2011</b> LOW OIL 16LB +/-	<b>ML2011</b> LOW OIL 16LB +/-	<b>TSL2011</b> LOW OIL 16LB +/-	<b>TL2011</b> LOW OIL 16LB +/-	<b>CSL2011</b> LOW OIL 16LB +/-	<b>CRL2011</b> LOW OIL 16LB +/-
4.000	8	1/16 1/16 3.0	5 15 25 30 35 40 45 60 65 75 85 95 105	* <b>MS1001</b> LOW OIL 11LB +/-	* <b>M1001</b> LOW OIL 11LB +/-	<b>TS1001</b> LOW OIL 11LB +/-	<b>T1001</b> LOW OIL 11LB +/-	<b>CS1001</b> LOW OIL 11LB +/-	<b>CR1001</b> LOW OIL 11LB +/-
4.000	8	1/16 1/16 1/8	STD 5 25 30 35 40 45 60 65	* <b>MS0390</b> STD OIL 20LB +/-	* <b>M0390</b> STD OIL 20LB +/-	<b>TS0390</b> STREET / RACE	<b>T0390</b> STREET / RACE	<b>CS0390</b> STD OIL 20LB +/-	<b>CR0390</b> STD OIL 20LB +/-
4.000	8	1/16 1/16 3/16	STD 5 10 15 20 25 30 35 40 45 55 60 65 80 85 95 105	* <b>MS3690</b> STD OIL 20LB +/-	* <b>M3690</b> STD OIL 20LB +/-	<b>TS3690</b> STD OIL 20LB +/-	<b>T3690</b> STD OIL 20LB +/-	<b>CS3690</b> STD OIL 20LB +/-	<b>CR3690</b> STD OIL 20LB +/-
4.000	8	1/16 1/16 3/16	STD 5 10 15 20 25 30 35 40 45 55 60 65 80 85 95 105	* <b>MSL3690</b> LOW OIL 16LB +/-	* <b>ML3690</b> LOW OIL 16LB +/-	<b>TSL3690</b> LOW OIL 16LB +/-	<b>TL3690</b> LOW OIL 16LB +/-	<b>CSL3690</b> LOW OIL 16LB +/-	<b>CRL3690</b> LOW OIL 16LB +/-

#### PREFIX LEGEND:

##### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension

**CT** TNT  
**CTL** TNT, low tension

##### USE

**S** Street  
**R** Race  
**S/R** Street or Race



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WE CAN DO IT!**

# Ring Sets by Bore Diameter – Aftermarket (continued)

Ring sets for performance applications typically using non-OE ring groove sizes. *Napier 2nds now available for most applications.*

Low tension oils not recommended for street use. \*Napier 2nd Rings standard in these sets when available. [See page 44 for set descriptions.](#)

BORE	CYLS	GROOVE SIZE	AVAILABLE SIZES <i>oversizes x .001"</i>	GAPLESS® TOP RING SETS		GAPLESS® 2ND RING SETS		CONVENTIONAL SETS	
				<i>AP Steel</i>	<i>Maxseal Ductile</i>	<i>AP Steel Top</i>	<i>TS1 Ductile Top</i>	<i>Classic AP Steel</i>	<i>Classic Race</i>
4.000	8	1/16 1/16 3/16	STD 5 10 15 20 25 30 35 40 45 55 60 65 80 85	<b>*MSG3690</b> GOLD OIL 11LB+/-	<b>*MG3690</b> GOLD OIL 11LB+/-	<b>TSG3690</b> GOLD OIL 11LB+/-	<b>TG3690</b> GOLD OIL 11LB+/-	<b>CSG3690</b> GOLD OIL 11LB+/-	<b>CRG3690</b> GOLD OIL 11LB+/-
4.000	8	2.0 1.5 4.0							<b>ASA4005</b> LOW OIL 11LB+/-
4.000	8	5/64 5/64 3/16	STD 5 10 20 25 30 35 40 45 60 65 80 85		<b>M9090</b> STD OIL 20LB+/-		<b>T9090</b> STD OIL 20LB+/-		<b>CR9090</b> STD OIL 20LB+/-
4.000	8	5/64 5/64 3/16	STD 5 10 20 25 30 35 40 45 60 65 80 85		<b>ML9090</b> LOW OIL 16LB+/-		<b>TL9090</b> LOW OIL 16LB+/-		<b>CRL9090</b> LOW OIL 16LB+/-
4.000	8	5/64 5/64 3/16	STD 5 10 20 25 30 35 40 45 60 65 80 85		<b>MG9090</b> GOLD OIL 11LB+/-		<b>TG9090</b> GOLD OIL 11LB+/-		<b>CRG9090</b> GOLD OIL 11LB+/-
4.005	8	2.0 1.5 4.0							<b>ASA4010</b> LOW OIL 11LB+/-
4.040	8	.043 1/16 3/16	35 45 65	<b>MS4310</b> STD OIL 20LB+/-	<b>M4310</b> STD OIL 20LB+/-	<b>TS4310</b> STD OIL 20LB+/-	<b>T4310</b> STD OIL 20LB+/-	<b>CS4310</b> STD OIL 20LB+/-	<b>CR4310</b> STD OIL 20LB+/-
4.040	8	.043 1/16 3/16	35 45 65	<b>MSL4310</b> LOW OIL 16LB+/-	<b>ML4310</b> LOW OIL 16LB+/-	<b>TSL4310</b> LOW OIL 16LB+/-	<b>TL4310</b> LOW OIL 16LB+/-	<b>CSL4310</b> LOW OIL 16LB+/-	<b>CRL4310</b> LOW OIL 16LB+/-
4.040	8	1/16 1/16 3/16	5 35 45 65	<b>MS7590</b> STD OIL 20LB+/-	<b>M7590</b> STD OIL 20LB+/-	<b>TS7590</b> STD OIL 20LB+/-	<b>T7590</b> STD OIL 20LB+/-	<b>CS7590</b> STD OIL 20LB+/-	<b>CR7590</b> STD OIL 20LB+/-
4.040	8	1/16 1/16 3/16	5 35 45 65	<b>MSL7590</b> LOW OIL 16LB+/-	<b>ML7590</b> LOW OIL 16LB+/-	<b>TSL7590</b> LOW OIL 16LB+/-	<b>TL7590</b> LOW OIL 16LB+/-	<b>CSL7590</b> LOW OIL 16LB+/-	<b>CRL7590</b> LOW OIL 16LB+/-
4.050	8	1/16 1/16 3/16	5 35 65		<b>M1006</b> STD OIL 20LB+/-		<b>T1006</b> STD OIL 20LB+/-		<b>CR1006</b> STD OIL 20LB+/-
4.059	1	1.2 1.5 2.0		<b>M4059XS</b>		<b>T4059XS</b>		<b>4059XS</b>	
4.065	8	1.5 1.5 2.5	STD 10 20 30 40		<b>M2925</b>		<b>T2925</b>		<b>CR2925</b>
4.094	8	1/16 1/16 3/16	5 35 65		<b>M0355</b> STD OIL 20LB+/-		<b>T0355</b> STD OIL 20LB+/-		<b>CR0355</b> STD OIL 20LB+/-
4.120	8	1.2 1.5 3.0	5		<b>M4703</b> LOW OIL 11LB+/-		<b>T4703</b> LOW OIL 11LB+/-		<b>CR4703</b> LOW OIL 11LB+/-
4.121	8	1/16 1/16 1/8	5 35 65		<b>M5490</b> STD OIL 20LB+/-		<b>T5490</b> STD OIL 20LB+/-		<b>CR5490</b> STD OIL 20LB+/-
4.121	8	1/16 1/16 3/16	5		<b>M1008</b> STD OIL 20LB+/-		<b>T1008</b> STD OIL 20LB+/-		<b>CR1008</b> STD OIL 20LB+/-

#### PREFIX LEGEND:

##### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street / race  
**MS** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension

##### (continued)

**MT** TNT  
**MTL** TNT, low tension

##### Gapless® 2nd ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension

##### (continued)

**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race



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# Ring Sets by Bore Diameter – Aftermarket (continued)

Ring sets for performance applications typically using non-OE ring groove sizes. *Napier 2nds now available for most applications*

Low tension oils not recommended for street use. \*Napier 2nd Rings standard in these sets when available. [See page 44 for set descriptions.](#)

BORE	CYLS	GROOVE SIZE	AVAILABLE SIZES <i>oversizes x .001"</i>	GAPLESS® TOP RING SETS		GAPLESS® 2ND RING SETS		CONVENTIONAL SETS	
				<i>AP Steel</i>	<i>Maxseal Ductile</i>	<i>AP Steel Top</i>	<i>TS1 Ductile Top</i>	<i>Classic AP Steel</i>	<i>Classic Race</i>
4.121	8	1/16 1/16 3/16	5		<b>ML1008</b> LOW OIL 16LB+/-		<b>TL1008</b> LOW OIL 16LB+/-		<b>CRL1008</b> LOW OIL 16LB+/-
4.125	8	.017 1/16 3/16	5 35 65			<b>TS1701</b> HIGH OIL 24LB+/-	<b>T1701</b> HIGH OIL 24LB+/-	<b>CS1701</b> HIGH OIL 24LB+/-	<b>CR1701</b> HIGH OIL 24LB+/-
4.125	8	.031 1/16 3/16	5 35 65				<b>T3106</b> STD OIL 21LB+/-		<b>CR3106</b> STD OIL 21LB+/-
4.125	8	.031 1/16 3/16	5 35 65				<b>TL3106</b> LOW OIL 16LB+/-		<b>CRL3106</b> LOW OIL 16LB+/-
4.125	8	.043 .043 3.0	5 15 25 35 45 65 80	<b>*MSL9010</b> LOW OIL 9LB+/-	<b>*ML9010</b> LOW OIL 9LB+/-	<b>TSL9010</b> LOW OIL 9LB+/-	<b>TL9010</b> LOW OIL 9LB+/-	<b>CSL9010</b> LOW OIL 9LB+/-	<b>CRL9010</b> LOW OIL 9LB+/-
4.125	8	.043 .043 3.0	5 15 25 35 45 65 70 75 80 85 100	<b>*MS9010</b> LOW OIL 11LB+/-	<b>*MG9010</b> LOW OIL 11LB+/-	<b>TS9010</b> LOW OIL 11LB+/-	<b>TG9010</b> LOW OIL 11LB+/-	<b>CS9010</b> LOW OIL 11LB+/-	<b>CRG9010</b> LOW OIL 11LB+/-
4.125	8	.043 .043 3/16	5 15 25 35 45 65	<b>*MS9011</b> STD OIL 20LB +/-	<b>*M9011</b> STD OIL 20LB +/-	<b>TS9011</b> STD OIL 20LB +/-	<b>T9011</b> STD OIL 20LB +/-	<b>CS9011</b> STD OIL 20LB +/-	<b>CR9011</b> STD OIL 20LB +/-
4.125	8	.043 .043 3/16	5 15 25 35 45 65	<b>*MSL9011</b> LOW OIL 16LB +/-	<b>*ML9011</b> LOW OIL 16LB +/-	<b>TSL9011</b> LOW OIL 16LB +/-	<b>TL9011</b> LOW OIL 16LB +/-	<b>CSL9011</b> LOW OIL 16LB +/-	<b>CRL9011</b> LOW OIL 16LB +/-
4.125	8	.043 .043 3/16	5 15 25 35 45 65	<b>*MSG9011</b> LOW OIL 11LB+/-	<b>*MG9011</b> LOW OIL 11LB+/-	<b>TSG9011</b> LOW OIL 11LB+/-	<b>TG9011</b> LOW OIL 11LB+/-	<b>CSG9011</b> LOW OIL 11LB+/-	<b>CRG9011</b> LOW OIL 11LB+/-
4.125	8	.043 1.5 3.0	5 15 25 35 45 65	<b>MS4350</b> LOW OIL 11LB+/-	<b>M4350</b> LOW OIL 11LB+/-	<b>TS4350</b> LOW OIL 11LB+/-	<b>T4350</b> LOW OIL 11LB+/-	<b>CS4350</b> LOW OIL 11LB+/-	<b>CR4350</b> LOW OIL 11LB+/-
4.125	8	.043 1.5 3.0	5 15 25 35 45 65	<b>MSL4350</b> LOW OIL 8LB +/-	<b>ML4350</b> LOW OIL 8LB +/-	<b>TSL4350</b> LOW OIL 8LB +/-	<b>TL4350</b> LOW OIL 8LB +/-	<b>CSL4350</b> LOW OIL 8LB +/-	<b>CRL4350</b> LOW OIL 8LB +/-
4.125	8	.043 1/16 3.0	5 15 25 35 45 65	<b>*MS4311</b> LOW OIL 11LB+/-	<b>*M4311</b> LOW OIL 11LB+/-	<b>TS4311</b> LOW OIL 11LB+/-	<b>T4311</b> LOW OIL 11LB+/-	<b>CS4311</b> LOW OIL 11LB+/-	<b>CR4311</b> LOW OIL 11LB+/-
4.125	8	.043 1/16 3/16	5 15 25 35 45 65	<b>*MS4301</b> STD OIL 21LB+/-	<b>*M4301</b> STD OIL 21LB+/-	<b>TS4301</b> STD OIL 21LB+/-	<b>T4301</b> STD OIL 21LB+/-	<b>CS4301</b> STD OIL 21LB+/-	<b>CR4301</b> STD OIL 21LB+/-
4.125	8	.043 1/16 3/16	5 15 25 35 45 65	<b>*MSL4301</b> LOW OIL 16LB+/-	<b>*ML4301</b> LOW OIL 16LB+/-	<b>TSL4301</b> LOW OIL 16LB+/-	<b>TL4301</b> LOW OIL 16LB+/-	<b>CSL4301</b> LOW OIL 16LB+/-	<b>CRL4301</b> LOW OIL 16LB+/-
4.125	8	.043 1/16 3/16	5 15 25 35 45 65	<b>*MSG4301</b> GOLD OIL 11LB+/-	<b>*MG4301</b> GOLD OIL 11LB+/-	<b>TSG4301</b> GOLD OIL 11LB+/-	<b>TG4301</b> GOLD OIL 11LB+/-	<b>CSG4301</b> GOLD OIL 11LB+/-	<b>CRG4301</b> GOLD OIL 11LB+/-
4.125	8	1.2 .043 3.0	5 15 25 35 45 65	<b>*MS4707</b> LOW OIL 11LB+/-		<b>TS4707</b> LOW OIL 11LB+/-		<b>CS4707</b> LOW OIL 11LB+/-	

#### PREFIX LEGEND:

##### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, *low tension*  
**CRG** Classic Race, *gold power low tension*  
**CS** Classic Steel top  
**CSL** Classic Steel top, *low tension*  
**CSG** Classic Steel top, *gold power low tension*

**CT** TNT  
**CTL** TNT, *low tension*

##### USE

**S** Street  
**R** Race  
**S/R** Street or Race



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# Ring Sets by Bore Diameter – Aftermarket (continued)

Ring sets for performance applications typically using non-OE ring groove sizes. *Napier 2nds now available for most applications.*

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BORE	CYLS	GROOVE SIZE	AVAILABLE SIZES <i>oversizes x .001"</i>	GAPLESS® TOP RING SETS		GAPLESS® 2ND RING SETS		CONVENTIONAL SETS	
				<i>AP Steel</i>	<i>Maxseal Ductile</i>	<i>AP Steel Top</i>	<i>TS1 Ductile Top</i>	<i>Classic AP Steel</i>	<i>Classic Race</i>
4.125	8	1.2 .043 3.0	5 15 25 35 45 65	<b>*MSL4707</b> LOW OIL 8LB +/-		<b>TSL4707</b> LOW OIL 8LB +/-		<b>CSL4707</b> LOW OIL 8LB +/-	
4.125	8	1.2 1.2 2.0	5 15 25 35	<b>MS4710</b> LOW OIL 9.5LB +/-		<b>TS4710</b> LOW OIL 9.5LB +/-		<b>CS4710</b> LOW OIL 9.5LB +/-	
4.125	8	1.2 1.2 3.0	5 15 25 35	<b>MS4709</b> LOW OIL 11LB +/-		<b>TS4709</b> LOW OIL 11LB +/-		<b>CS4709</b> LOW OIL 11LB +/-	
4.125	8	1.2 1.2 3.0	5 15 25 35	<b>MSL4709</b> LOW OIL 8LB +/-		<b>TSL4709</b> LOW OIL 8LB +/-		<b>CSL4709</b> LOW OIL 8LB +/-	
4.125	8	1.2 1.5 3.0	5 15 25 35 45	<b>MS4702</b> LOW OIL 11LB +/-		<b>TS4702</b> LOW OIL 11LB +/-		<b>CS4702</b> LOW OIL 11LB +/-	
4.125	8	1.5 .043 3.0	5 15 30	<b>*MS4321</b> LOW OIL 11LB +/-	<b>*M4321</b> LOW OIL 11LB +/-	<b>TS4321</b> LOW OIL 11LB +/-	<b>T4321</b> LOW OIL 11LB +/-	<b>CS4321</b> LOW OIL 11LB +/-	<b>CR4321</b> LOW OIL 11LB +/-
4.125	8	1.5 .043 3.0	5 15 30	<b>*MSL4321</b> LOW OIL 8LB +/-	<b>*ML4321</b> LOW OIL 8LB +/-	<b>TSL4321</b> LOW OIL 8LB +/-	<b>TL4321</b> LOW OIL 8LB +/-	<b>CSL4321</b> LOW OIL 8LB +/-	<b>CRL4321</b> LOW OIL 8LB +/-
4.125	8	1.5 1.5 3.0	5 15 25 35 45	<b>MS2012</b> LOW OIL 11LB +/-	<b>M2012</b> LOW OIL 11LB +/-	<b>TS2012</b> LOW OIL 11LB +/-	<b>T2012</b> LOW OIL 11LB +/-	<b>CS2012</b> LOW OIL 11LB +/-	<b>CR2012</b> LOW OIL 11LB +/-
4.125	8	1/16 1/16 3.0	5 10 15 20 25 30 35 40 45 55 60 65	<b>*MS1002</b> LOW OIL 11LB +/-	<b>*M1002</b> LOW OIL 11LB +/-	<b>TS1002</b> LOW OIL 11LB +/-	<b>T1002</b> LOW OIL 11LB +/-	<b>CS1002</b> LOW OIL 11LB +/-	<b>CR1002</b> LOW OIL 11LB +/-
4.125	8	1/16 1/16 1/8	5 10 15 20 25 30 35 40 45	<b>*MS1003</b> STD OIL 20LB +/-	<b>*M1003</b> STD OIL 20LB +/-	<b>TS1003</b> STD OIL 20LB +/-	<b>T1003</b> STD OIL 20LB +/-	<b>CS1003</b> STD OIL 20LB +/-	<b>CR1003</b> STD OIL 20LB +/-
4.125	8	1/16 1/16 3/16	STD 5 10 15 20 25 30 35 40 45 55 60 65	<b>*MS0690</b> STD OIL 20LB +/-	<b>*M0690</b> STD OIL 20LB +/-	<b>TS0690</b> STD OIL 20LB +/-	<b>T0690</b> STD OIL 20LB +/-	<b>CS0690</b> STD OIL 20LB +/-	<b>CR0690</b> STD OIL 20LB +/-
4.125	8	1/16 1/16 3/16	STD 5 10 15 20 25 30 35 40 45 55 60 65	<b>*MSL0690</b> LOW OIL 16LB +/-	<b>*ML0690</b> LOW OIL 16LB +/-	<b>TSL0690</b> LOW OIL 16LB +/-	<b>TL0690</b> LOW OIL 16LB +/-	<b>CSL0690</b> LOW OIL 16LB +/-	<b>CRL0690</b> LOW OIL 16LB +/-
4.125	8	1/16 1/16 3/16	STD 5 10 15 20 25 30 35 40 45 55 60 65	<b>*MSG0690</b> GOLD OIL 11LB +/-	<b>*MG0690</b> GOLD OIL 11LB +/-	<b>TSG0690</b> GOLD OIL 11LB +/-	<b>TG0690</b> GOLD OIL 11LB +/-	<b>CSG0690</b> GOLD OIL 11LB +/-	<b>CRG0690</b> GOLD OIL 11LB +/-
4.125	8	5/64 5/64 3/16	STD 5 30 35 40 45 60 65		<b>M0190</b> STD OIL 20LB +/-		<b>T0190</b> STD OIL 20LB +/-		<b>CR0190</b> STD OIL 20LB +/-
4.125	8	5/64 5/64 3/16	STD 5 30 35 40 45 60 65		<b>ML0190</b> LOW OIL 16LB +/-		<b>TL0190</b> LOW OIL 16LB +/-		<b>CRL0190</b> LOW OIL 16LB +/-

#### PREFIX LEGEND:

##### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street / race  
**MS** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension

##### (continued)

**MT** TNT  
**MTL** TNT, low tension

##### Gapless® 2nd ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension

##### (continued)

**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race



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# Ring Sets by Bore Diameter – Aftermarket (continued)

Ring sets for performance applications typically using non-OE ring groove sizes. *Napier 2nds now available for most applications*

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BORE	CYLS	GROOVE SIZE	AVAILABLE SIZES <i>oversizes x .001"</i>	GAPLESS® TOP RING SETS		GAPLESS® 2ND RING SETS		CONVENTIONAL SETS	
				<i>AP Steel</i>	<i>Maxseal Ductile</i>	<i>AP Steel Top</i>	<i>TS1 Ductile Top</i>	<i>Classic AP Steel</i>	<i>Classic Race</i>
4.125	8	5/64 5/64 3/16	STD 5 30 35 40 45 60 65		<b>MG0190</b> GOLD OIL 11LB+/-		<b>TG0190</b> GOLD OIL 11LB+/-		<b>CRG0190</b> GOLD OIL 11LB+/-
4.130	8	1.2 1.2 3.0	5	<b>MS4711</b> LOW OIL 10LB +/-		<b>TS4711</b> LOW OIL 10LB +/-		<b>CS4711</b> LOW OIL 10LB +/-	
4.130	8	1/16 1/16 3.0	5 15 65	<b>MS1012</b> LOW OIL 11LB+/-	<b>M1012</b> LOW OIL 11LB+/-	<b>TS1012</b> LOW OIL 11LB+/-	<b>T1012</b> LOW OIL 11LB+/-	<b>CS1012</b> LOW OIL 11LB+/-	<b>CR1012</b> LOW OIL 11LB+/-
4.130	8	1/16 1/16 3/16	STD 5 15 25 30 35 40 65	<b>MS7560</b> STD OIL 20LB+/-	<b>M7560</b> STD OIL 20LB+/-	<b>TS7560</b> STD OIL 20LB+/-	<b>T7560</b> STD OIL 20LB+/-	<b>CS7560</b> STD OIL 20LB+/-	<b>CR7560</b> STD OIL 20LB+/-
4.130	8	1/16 1/16 3/16	STD 5 15 25 30 35 40 65	<b>MSL7560</b> LOW OIL 16LB+/-	<b>ML7560</b> LOW OIL 16LB+/-	<b>TSL7560</b> LOW OIL 16LB+/-	<b>TL7560</b> LOW OIL 16LB+/-	<b>CSL7560</b> LOW OIL 16LB+/-	<b>CRL7560</b> LOW OIL 16LB+/-
4.130	8	1/16 1/16 3/16	STD 5 15 35	<b>MSG7560</b> GOLD OIL 11LB+/-	<b>MG7560</b> GOLD OIL 11LB+/-	<b>TSG7560</b> GOLD OIL 11LB+/-	<b>TG7560</b> GOLD OIL 11LB+/-	<b>CSG7560</b> GOLD OIL 11LB+/-	<b>CRG7560</b> GOLD OIL 11LB+/-
4.151	8	1/16 1/16 3/16	5 30 35 40 45 65		<b>M3455</b> STD OIL 22LB+/-		<b>T3455</b> STD OIL 22LB+/-		<b>CR3455</b> STD OIL 22LB+/-
4.151	8	1/16 1/16 3/16	5 30 35 40 45 65		<b>ML3455</b> LOW OIL 16LB+/-		<b>TL3455</b> LOW OIL 16LB+/-		<b>CRL3455</b> LOW OIL 16LB+/-
4.165	8	1/16 1/16 3/16	5 35		<b>M2455</b> STD OIL 22LB+/-		<b>T2455</b> STD OIL 22LB+/-		<b>CR2455</b> STD OIL 22LB+/-
4.233	8	1/16 1/16 1/8	5 35		<b>ML7155</b> LOW OIL 16LB+/-		<b>TL7155</b> LOW OIL 16LB+/-		<b>CRL7155</b> LOW OIL 16LB+/-
4.233	8	1/16 1/16 3/16	5 35 65		<b>M7190</b> STD OIL 22LB+/-		<b>T7190</b> STD OIL 22LB+/-		<b>CR7190</b> STD OIL 22LB+/-
4.233	8	1/16 1/16 3/16	5 35 65		<b>ML7190</b> LOW OIL 16LB+/-		<b>TL7190</b> LOW OIL 16LB+/-		<b>CRL7190</b> LOW OIL 16LB+/-
4.250	8	.017 1/16 3/16	5 35 65 130 195 225 255 285			<b>TS1702</b> HIGH OIL 24LB+/-	<b>T1702</b> HIGH OIL 24LB+/-	<b>CS1702</b> HIGH OIL 24LB+/-	<b>CR1702</b> HIGH OIL 24LB+/-
4.250	8	.031 1/16 3/16	5 35 65 130 255				<b>T3102</b> STD OIL 22LB+/-		<b>CR3102</b> STD OIL 22LB+/-
4.250	8	.031 1/16 3/16	5 35 65 130 255				<b>TL3102</b> LOW OIL 16LB+/-		<b>CRL3102</b> LOW OIL 16LB+/-
4.250	8	.043 .043 3.0	5 35 65 105 130 255 285	<b>*MS4343</b> LOW OIL 11LB+/-	<b>*MG4343</b> LOW OIL 11LB+/-	<b>TS4343</b> LOW OIL 11LB+/-	<b>TG4343</b> LOW OIL 11LB+/-	<b>CS4343</b> LOW OIL 11LB+/-	<b>CRG4343</b> LOW OIL 11LB+/-

#### PREFIX LEGEND:

##### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension

**CT** TNT  
**CTL** TNT, low tension

##### USE

**S** Street  
**R** Race  
**S/R** Street or Race



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WE CAN DO IT!**

# Ring Sets by Bore Diameter – Aftermarket (continued)

Ring sets for performance applications typically using non-OE ring groove sizes. *Napier 2nds now available for most applications.*

Low tension oils not recommended for street use. \*Napier 2nd Rings standard in these sets when available. [See page 44 for set descriptions.](#)

BORE	CYLS	GROOVE SIZE	AVAILABLE SIZES <i>oversizes x .001"</i>	GAPLESS® TOP RING SETS		GAPLESS® 2ND RING SETS		CONVENTIONAL SETS	
				<i>AP Steel</i>	<i>Maxseal Ductile</i>	<i>AP Steel Top</i>	<i>TS1 Ductile Top</i>	<i>Classic AP Steel</i>	<i>Classic Race</i>
4.250	8	.043 .043 3/16	5 35 65 105 130 255 285	*MS4325 STD OIL 23LB+/-	*M4325 STD OIL 23LB+/-	TS4325 STD OIL 23LB+/-	T4325 STD OIL 23LB+/-	CS4325 STD OIL 23LB+/-	CR4325 STD OIL 23LB+/-
4.250	8	.043 .043 3/16	5 35 65 105 130 255 285	*MSL4325 STD OIL 18LB+/-	*ML4325 STD OIL 18LB+/-	TSL4325 STD OIL 18LB+/-	TL4325 STD OIL 18LB+/-	CSL4325 STD OIL 18LB+/-	CRL4325 STD OIL 18LB+/-
4.250	8	.043 .043 3/16	5 35 65 105 130 255 285	*MSG4325 STD OIL 12LB+/-	*MG4325 STD OIL 12LB+/-	TSG4325 STD OIL 12LB+/-	TG4325 STD OIL 12LB+/-	CSG4325 STD OIL 12LB+/-	CRG4325 STD OIL 12LB+/-
4.250	8	.043 1/16 3/16	5 35 65 130 195 225 255 285	*MS4302 STD OIL 22LB+/-	*M4302 STD OIL 22LB+/-	TS4302 STD OIL 22LB+/-	T4302 STD OIL 22LB+/-	CS4302 STD OIL 22LB+/-	CR4302 STD OIL 22LB+/-
4.250	8	.043 1/16 3/16	5 35 65 130 195 225 255 285	*MSL4302 LOW OIL 16LB+/-	*ML4302 LOW OIL 16LB+/-	TSL4302 LOW OIL 16LB+/-	TL4302 LOW OIL 16LB+/-	CSL4302 LOW OIL 16LB+/-	CRL4302 LOW OIL 16LB+/-
4.250	8	1/16 1/16 3.0	5 35 65 105 255 285	*MS1049 LOW OIL 11LB+/-	*M1049 LOW OIL 11LB+/-	TS1049 LOW OIL 11LB+/-	T1049 LOW OIL 11LB+/-	CS1049 LOW OIL 11LB+/-	CR1049 LOW OIL 11LB+/-
4.250	8	1.5 1.5 3.0	5 30 35 65 70 100 220 250 280		M2013 STD OIL 23LB+/-		T2013 STD OIL 23LB+/-		CR2013 STD OIL 23LB+/-
4.250	8	1/16 1/16 3/16	STD 5 25 30 35 60 65 105 130 150 195 225 255 285	*MS9190 STD OIL 23LB+/-	*M9190 STD OIL 23LB+/-	TS9190 STD OIL 23LB+/-	T9190 STD OIL 23LB+/-	CS9190 STD OIL 23LB+/-	CR9190 STD OIL 23LB+/-
4.250	8	1/16 1/16 3/16	STD 5 25 30 35 60 65 105 130 150 195 225 255 285	*MSL9190 LOW OIL 18LB+/-	*ML9190 LOW OIL 18LB+/-	TSL9190 LOW OIL 18LB+/-	TL9190 LOW OIL 18LB+/-	CSL9190 LOW OIL 18LB+/-	CRL9190 LOW OIL 18LB+/-
4.250	8	1/16 1/16 3/16	STD 5 30 35 60 65 105 130 195 255 285	*MSG9190 GOLD OIL 13LB+/-	*MG9190 GOLD OIL 13LB+/-	TSG9190 GOLD OIL 13LB+/-	TG9190 GOLD OIL 13LB+/-	CSG9190 GOLD OIL 13LB+/-	CRG9190 GOLD OIL 13LB+/-
4.250	8	5/64 5/64 3/16	STD 5 30 35 45 60 65		M2090 STD OIL 23LB+/-		T2090 STD OIL 23LB+/-		CR2090 STD OIL 23LB+/-
4.250	8	5/64 5/64 3/16	STD 5 30 35 45 60 65		ML2090 LOW OIL 18LB+/-		TL2090 LOW OIL 18LB+/-		CRL2090 LOW OIL 18LB+/-
4.250	8	5/64 5/64 3/16	STD 5 30 35 60 65		MG2090 GOLD OIL 13LB+/-		TG2090 GOLD OIL 13LB+/-		CRG2090 GOLD OIL 13LB+/-
4.320	8	.017 1/16 3/16	5				T1703 HIGH OIL 25LB+/-		CR1703 HIGH OIL 25LB+/-
4.320	8	.031 1/16 3/16	5 35 65				T3103 STD OIL 22LB+/-		CR3103 STD OIL 22LB+/-
4.320	8	.031 1/16 3/16	5 35 65				TL3103 LOW OIL 18LB+/-		CRL3103 LOW OIL 18LB+/-

#### PREFIX LEGEND:

##### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street / race  
**MS** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension

##### (continued)

**MT** TNT  
**MTL** TNT, low tension

##### Gapless® 2nd ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension

##### (continued)

**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race



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# Ring Sets by Bore Diameter – Aftermarket (continued)

Ring sets for performance applications typically using non-OE ring groove sizes. *Napier 2nds now available for most applications*

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BORE	CYLS	GROOVE SIZE	AVAILABLE SIZES <i>oversizes x .001"</i>	GAPLESS® TOP RING SETS		GAPLESS® 2ND RING SETS		CONVENTIONAL SETS	
				<i>AP Steel</i>	<i>Maxseal Ductile</i>	<i>AP Steel Top</i>	<i>TS1 Ductile Top</i>	<i>Classic AP Steel</i>	<i>Classic Race</i>
4.320	8	.043 1/16 3.0	5 35 65	<b>MS4333</b> LOW OIL 11LB+/-	<b>M4333</b> LOW OIL 11LB+/-	<b>TS4333</b> LOW OIL 11LB+/-	<b>T4333</b> LOW OIL 11LB+/-	<b>CS4333</b> LOW OIL 11LB+/-	<b>CR4333</b> LOW OIL 11LB+/-
4.320	8	.043 1/16 3/16	5 35 65	<b>MS4334</b> LOW OIL 22LB+/-	<b>M4334</b> LOW OIL 22LB+/-	<b>TS4334</b> LOW OIL 22LB+/-	<b>T4334</b> LOW OIL 22LB+/-	<b>CS4334</b> LOW OIL 22LB+/-	<b>CR4334</b> LOW OIL 22LB+/-
4.320	8	.043 1/16 3/16	5 35	<b>MSG4334</b> LOW OIL 22LB+/-	<b>MG4334</b> LOW OIL 22LB+/-	<b>TSG4334</b> LOW OIL 22LB+/-	<b>TG4334</b> LOW OIL 22LB+/-	<b>CSG4334</b> LOW OIL 22LB+/-	<b>CRG4334</b> LOW OIL 22LB+/-
4.320	8	.043 1/16 3/16	5 35 65	<b>MSL4334</b> LOW OIL 22LB+/-	<b>ML4334</b> LOW OIL 22LB+/-	<b>TSL4334</b> LOW OIL 22LB+/-	<b>TL4334</b> LOW OIL 22LB+/-	<b>CSL4334</b> LOW OIL 22LB+/-	<b>CRL4334</b> LOW OIL 22LB+/-
4.320	8	1/16 1/16 3/16	STD 5 30 35 45 60 65	<b>MS6490</b> STD OIL 23LB+/-	<b>M6490</b> STD OIL 23LB+/-	<b>TS6490</b> STD OIL 23LB+/-	<b>T6490</b> STD OIL 23LB+/-	<b>CS6490</b> STD OIL 23LB+/-	<b>CR6490</b> STD OIL 23LB+/-
4.320	8	1/16 1/16 3/16	STD 5 30 35 45 60 65	<b>MSL6490</b> LOW OIL 18LB+/-	<b>ML6490</b> LOW OIL 18LB+/-	<b>TSL6490</b> LOW OIL 18LB+/-	<b>TL6490</b> LOW OIL 18LB+/-	<b>CSL6490</b> LOW OIL 18LB+/-	<b>CRL6490</b> LOW OIL 18LB+/-
4.320	8	1/16 1/16 3/16	STD 5 30 35	<b>MSG6490</b> GOLD OIL 13LB+/-	<b>MG6490</b> GOLD OIL 13LB+/-	<b>TSG6490</b> GOLD OIL 13LB+/-	<b>TG6490</b> GOLD OIL 13LB+/-	<b>CSG6490</b> GOLD OIL 13LB+/-	<b>CRG6490</b> GOLD OIL 13LB+/-
4.360	8	1/16 1/16 3/16	5 30 35 65	<b>MS2690</b> STD OIL 23LB+/-	<b>M2690</b> STD OIL 23LB+/-	<b>TS2690</b> STD OIL 23LB+/-	<b>T2690</b> STD OIL 23LB+/-	<b>CS2690</b> STD OIL 23LB+/-	<b>CR2690</b> STD OIL 23LB+/-
4.360	8	1/16 1/16 3/16	5 30 35 65	<b>MSL2690</b> LOW OIL 18LB+/-	<b>ML2690</b> LOW OIL 18LB+/-	<b>TSL2690</b> LOW OIL 18LB+/-	<b>TL2690</b> LOW OIL 18LB+/-	<b>CSL2690</b> LOW OIL 18LB+/-	<b>CRL2690</b> LOW OIL 18LB+/-
4.450	8	.043 .043 3.0	5	<b>MS2029</b> LOW OIL 18LB+/-				<b>CS2029</b> LOW OIL 18LB+/-	
4.450	8	.043 .043 3/16	5	<b>MS2030</b> LOW OIL 18LB+/-				<b>CS2030</b> LOW OIL 18LB+/-	
4.466	8	2.0 1.5 4.0	STD 5		<b>M5750</b> STD OIL 18LB+/-		<b>T5750</b> STD OIL 18LB+/-		<b>CR5750</b> STD OIL 18LB+/-
4.500	8	.043 1/16 3.0	5 35 65	<b>MS4330</b> LOW OIL 11LB+/-	<b>M4330</b> LOW OIL 11LB+/-	<b>TS4330</b> LOW OIL 11LB+/-	<b>T4330</b> LOW OIL 11LB+/-	<b>CS4330</b> LOW OIL 11LB+/-	<b>CR4330</b> LOW OIL 11LB+/-
4.560	8	1.5 1.5 3.0	STD		<b>M2016</b> STD OIL 18LB+/-		<b>T2016</b> STD OIL 18LB+/-		<b>CR2016</b> STD OIL 18LB+/-
4.560	8	.017 1/16 3/16	5 45			<b>TS1704</b> HIGH OIL 25LB+/-	<b>T1704</b> HIGH OIL 25LB+/-	<b>CS1704</b> HIGH OIL 25LB+/-	<b>CR1704</b> HIGH OIL 25LB+/-
4.560	8	.043 .043 3/16	5	<b>MS4326</b> STD OIL 23LB+/-	<b>M4326</b> STD OIL 23LB+/-	<b>TS4326</b> STD OIL 23LB+/-	<b>T4326</b> STD OIL 23LB+/-	<b>CS4326</b> STD OIL 23LB+/-	<b>CR4326</b> STD OIL 23LB+/-

#### PREFIX LEGEND:

##### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension

**CT** TNT  
**CTL** TNT, low tension

##### USE

**S** Street  
**R** Race  
**S/R** Street or Race



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# Ring Sets by Bore Diameter – Aftermarket (continued)

Ring sets for performance applications typically using non-OE ring groove sizes. *Napier 2nds now available for most applications.*

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BORE	CYLS	GROOVE SIZE	AVAILABLE SIZES <i>oversizes x .001"</i>	GAPLESS® TOP RING SETS		GAPLESS® 2ND RING SETS		CONVENTIONAL SETS	
				<i>AP Steel</i>	<i>Maxseal Ductile</i>	<i>AP Steel Top</i>	<i>TS1 Ductile Top</i>	<i>Classic AP Steel</i>	<i>Classic Race</i>
4.560	8	.043 .043 3/16	5	<b>MSL4326</b> LOW OIL 18LB+/-	<b>ML4326</b> LOW OIL 18LB+/-	<b>TSL4326</b> LOW OIL 18LB+/-	<b>TL4326</b> LOW OIL 18LB+/-	<b>CSL4326</b> LOW OIL 18LB+/-	<b>CRL4326</b> LOW OIL 18LB+/-
4.560	8	.043 .043 3.0	5	<b>MS4327</b> LOW OIL 12LB+/-	<b>MG4327</b> LOW OIL 12LB+/-	<b>TS4327</b> LOW OIL 12LB+/-	<b>TG4327</b> LOW OIL 12LB+/-	<b>CS4327</b> LOW OIL 12LB+/-	<b>CRG4327</b> LOW OIL 12LB+/-
4.560	8	.043 1/16 3/16	5 45	<b>MS4304</b> STD OIL 23LB+/-	<b>M4304</b> STD OIL 23LB+/-	<b>TS4304</b> STD OIL 23LB+/-	<b>T4304</b> STD OIL 23LB+/-	<b>CS4304</b> STD OIL 23LB+/-	<b>CR4304</b> STD OIL 23LB+/-
4.560	8	.043 1/16 3/16	5 45	<b>MSL4304</b> LOW OIL 18LB+/-	<b>ML4304</b> LOW OIL 18LB+/-	<b>TSL4304</b> LOW OIL 18LB+/-	<b>TL4304</b> LOW OIL 18LB+/-	<b>CSL4304</b> LOW OIL 18LB+/-	<b>CRL4304</b> LOW OIL 18LB+/-
4.560	8	1/16 1/16 3.0	5	<b>MS1051</b> LOW OIL 11LB+/-	<b>M1051</b> LOW OIL 11LB+/-	<b>TS1051</b> LOW OIL 11LB+/-	<b>T1051</b> LOW OIL 11LB+/-	<b>CS1051</b> LOW OIL 11LB+/-	<b>CR1051</b> LOW OIL 11LB+/-
4.560	8	1/16 1/16 3/16	5 45	<b>MS9130</b> STD OIL 23LB+/-	<b>M9130</b> STD OIL 23LB+/-	<b>TS9130</b> STD OIL 23LB+/-	<b>T9130</b> STD OIL 23LB+/-	<b>CS9130</b> STD OIL 23LB+/-	<b>CR9130</b> STD OIL 23LB+/-
4.560	8	1/16 1/16 3/16	5 45	<b>MSL9130</b> LOW OIL 18LB+/-	<b>ML9130</b> LOW OIL 18LB+/-	<b>TSL9130</b> LOW OIL 18LB+/-	<b>TL9130</b> LOW OIL 18LB+/-	<b>CSL9130</b> LOW OIL 18LB+/-	<b>CRL9130</b> LOW OIL 18LB+/-
4.600	8	.043 .043 3.0	5 15 30 50	<b>MS4010</b> LOW OIL 9LB+/-	<b>ML4010</b> LOW OIL 9LB+/-	<b>TS4010</b> LOW OIL 9LB+/-	<b>TL4010</b> LOW OIL 9LB+/-	<b>CS4010</b> LOW OIL 9LB+/-	<b>CRL4010</b> LOW OIL 9LB+/-
4.600	8	.043 .043 3/16	5 15 30 50	<b>MS5010</b> STD OIL 23LB+/-	<b>M5010</b> STD OIL 23LB+/-	<b>TS5010</b> STD OIL 23LB+/-	<b>T5010</b> STD OIL 23LB+/-	<b>CS5010</b> STD OIL 23LB+/-	<b>CR5010</b> STD OIL 23LB+/-
4.600	8	.043 .043 3/16	5 15 30 50	<b>MSL5010</b> LOW OIL 18LB+/-	<b>ML5010</b> LOW OIL 18LB+/-	<b>TSL5010</b> LOW OIL 18LB+/-	<b>TL5010</b> LOW OIL 18LB+/-	<b>CSL5010</b> LOW OIL 18LB+/-	<b>CRL5010</b> LOW OIL 18LB+/-
4.600	8	.043 .043 3/16	5 15 30	<b>MSG5010</b> LOW OIL 13LB+/-	<b>MG5010</b> LOW OIL 13LB+/-	<b>TSG5010</b> LOW OIL 13LB+/-	<b>TG5010</b> LOW OIL 13LB+/-	<b>CSG5010</b> LOW OIL 13LB+/-	<b>CRG5010</b> LOW OIL 13LB+/-
4.600	8	1/16 1/16 3.0	5 15	<b>MS1050</b> LOW OIL 11LB+/-	<b>M1050</b> LOW OIL 11LB+/-	<b>TS1050</b> LOW OIL 11LB+/-	<b>T1050</b> LOW OIL 11LB+/-	<b>CS1050</b> LOW OIL 11LB+/-	<b>CR1050</b> LOW OIL 11LB+/-
4.600	8	.043 1/16 3.0	5 15	<b>MS4318</b> LOW OIL 11LB+/-	<b>M4318</b> LOW OIL 11LB+/-	<b>TS4318</b> LOW OIL 11LB+/-	<b>T4318</b> LOW OIL 11LB+/-	<b>CS4318</b> LOW OIL 11LB+/-	<b>CR4318</b> LOW OIL 11LB+/-
4.600	8	.043 1/16 3/16	5 15	<b>MS4309</b> STD OIL 23LB+/-	<b>M4309</b> STD OIL 23LB+/-	<b>TS4309</b> STD OIL 23LB+/-	<b>T4309</b> STD OIL 23LB+/-	<b>CS4309</b> STD OIL 23LB+/-	<b>CR4309</b> STD OIL 23LB+/-
4.600	8	.043 1/16 3/16	5 15	<b>MSL4309</b> LOW OIL 18LB+/-	<b>ML4309</b> LOW OIL 18LB+/-	<b>TSL4309</b> LOW OIL 18LB+/-	<b>TL4309</b> LOW OIL 18LB+/-	<b>CSL4309</b> LOW OIL 18LB+/-	<b>CRL4309</b> LOW OIL 18LB+/-
4.600	8	.043 1/16 3/16	5 15	<b>MSG4309</b> LOW OIL 11LB+/-	<b>MG4309</b> LOW OIL 11LB+/-	<b>TSG4309</b> LOW OIL 11LB+/-	<b>TG4309</b> LOW OIL 11LB+/-	<b>CSG4309</b> LOW OIL 11LB+/-	<b>CRG4309</b> LOW OIL 11LB+/-

#### PREFIX LEGEND:

##### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street / race  
**MS** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension

##### (continued)

**MT** TNT  
**MTL** TNT, low tension

##### Gapless® 2nd ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension

##### (continued)

**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race



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# Ring Sets by Bore Diameter – Aftermarket (continued)

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BORE	CYLS	GROOVE SIZE	AVAILABLE SIZES <i>oversizes x .001"</i>	GAPLESS® TOP RING SETS		GAPLESS® 2ND RING SETS		CONVENTIONAL SETS	
				<i>AP Steel</i>	<i>Maxseal Ductile</i>	<i>AP Steel Top</i>	<i>TS1 Ductile Top</i>	<i>Classic AP Steel</i>	<i>Classic Race</i>
4.600	8	.043 1/16 3.0	5 15 30	<b>MS4331</b> LOW OIL 11LB+/-	<b>M4331</b> LOW OIL 11LB+/-	<b>TS4331</b> LOW OIL 11LB+/-	<b>T4331</b> LOW OIL 11LB+/-	<b>CS4331</b> LOW OIL 11LB+/-	<b>CR4331</b> LOW OIL 11LB+/-
4.600	8	1.5 1.5 3.0	STD		<b>M2014</b> STD OIL 23LB+/-		<b>T2014</b> STD OIL 23LB+/-		<b>CR2014</b> STD OIL 23LB+/-
4.600	8	1/16 1/16 3/16	5 15	<b>MS9150</b> STD OIL 23LB+/-	<b>M9150</b> STD OIL 23LB+/-	<b>TS9150</b> STD OIL 23LB+/-	<b>T9150</b> STD OIL 23LB+/-	<b>CS9150</b> STD OIL 23LB+/-	<b>CR9150</b> STD OIL 23LB+/-
4.600	8	1/16 1/16 3/16	5 15	<b>MSL9150</b> LOW OIL 18LB+/-	<b>ML9150</b> LOW OIL 18LB+/-	<b>TSL9150</b> LOW OIL 18LB+/-	<b>TL9150</b> LOW OIL 18LB+/-	<b>CSL9150</b> LOW OIL 18LB+/-	<b>CRL9150</b> LOW OIL 18LB+/-
4.600	8	1/16 1/16 3/16	5 15	<b>MSG9150</b> GOLD OIL 13LB+/-	<b>MG9150</b> GOLD OIL 13LB+/-	<b>TSG9150</b> GOLD OIL 13LB+/-	<b>TG9150</b> GOLD OIL 13LB+/-	<b>CSG9150</b> GOLD OIL 13LB+/-	<b>CRG9150</b> GOLD OIL 13LB+/-
4.625	8	.043 1/16 3/16	5 55 80	<b>MS4307</b> STD OIL 23LB+/-	<b>M4307</b> STD OIL 23LB+/-	<b>TS4307</b> STD OIL 23LB+/-	<b>T4307</b> STD OIL 23LB+/-	<b>CS4307</b> STD OIL 23LB+/-	<b>CR4307</b> STD OIL 23LB+/-
4.625	8	.043 1/16 3/16	5 55 80	<b>MSL4307</b> LOW OIL 18LB+/-	<b>ML4307</b> LOW OIL 18LB+/-	<b>TSL4307</b> LOW OIL 18LB+/-	<b>TL4307</b> LOW OIL 18LB+/-	<b>CSL4307</b> LOW OIL 18LB+/-	<b>CRL4307</b> LOW OIL 18LB+/-
4.625	8	.047 1/16 3/16	5		<b>M9330</b> STD OIL 23LB+/-		<b>T9330</b> STD OIL 23LB+/-		<b>CR9330</b> STD OIL 23LB+/-
4.625	8	.047 1/16 3/16	5		<b>ML9330</b> LOW OIL 18LB+/-		<b>TL9330</b> LOW OIL 18LB+/-		<b>CRL9330</b> LOW OIL 18LB+/-
4.625	8	1/16 1/16 3/16	5 55	<b>MS3340</b> STD OIL 23LB+/-	<b>M3340</b> STD OIL 23LB+/-	<b>TS3340</b> STD OIL 23LB+/-	<b>T3340</b> STD OIL 23LB+/-	<b>CS3340</b> STD OIL 23LB+/-	<b>CR3340</b> STD OIL 23LB+/-
4.625	8	1/16 1/16 3/16	5 55	<b>MSL3340</b> LOW OIL 18LB+/-	<b>ML3340</b> LOW OIL 18LB+/-	<b>TSL3340</b> LOW OIL 18LB+/-	<b>TL3340</b> LOW OIL 18LB+/-	<b>CSL3340</b> LOW OIL 18LB+/-	<b>CRL3340</b> LOW OIL 18LB+/-
4.675	8	.043 .043 3.0	5 30 55	<b>MS6010</b> LOW OIL 9LB+/-	<b>ML6010</b> LOW OIL 9LB+/-	<b>TS6010</b> LOW OIL 9LB+/-	<b>TL6010</b> LOW OIL 9LB+/-	<b>CS6010</b> LOW OIL 9LB+/-	<b>CRL6010</b> LOW OIL 9LB+/-
4.750	8	.043 1/16 3/16	5	<b>MS4328</b> STD OIL 23LB+/-	<b>M4328</b> STD OIL 23LB+/-	<b>TS4328</b> STD OIL 23LB+/-	<b>T4328</b> STD OIL 23LB+/-	<b>CS4328</b> STD OIL 23LB+/-	<b>CR4328</b> STD OIL 23LB+/-
4.750	8	.047 1/16 3/16	5		<b>M5850</b> STD OIL 23LB+/-		<b>T5850</b> STD OIL 23LB+/-		<b>CR5850</b> STD OIL 23LB+/-
4.750	8	1/16 1/16 3/16	5	<b>MS1601</b> STD OIL 23LB+/-	<b>M1601</b> STD OIL 23LB+/-	<b>TS1601</b> STD OIL 23LB+/-	<b>T1601</b> STD OIL 23LB+/-	<b>CS1601</b> STD OIL 23LB+/-	<b>CR1601</b> STD OIL 23LB+/-
4.780	8	.043 .043 3.0	5	<b>MS4329</b> LOW OIL 12LB+/-	<b>MG4329</b> LOW OIL 12LB+/-	<b>TS4329</b> LOW OIL 12LB+/-	<b>TG4329</b> LOW OIL 12LB+/-	<b>CS4329</b> LOW OIL 12LB+/-	<b>CRG4329</b> LOW OIL 12LB+/-

#### PREFIX LEGEND:

##### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, *low tension*  
**CRG** Classic Race, *gold power low tension*  
**CS** Classic Steel top  
**CSL** Classic Steel top, *low tension*  
**CSG** Classic Steel top, *gold power low tension*

**CT** TNT  
**CTL** TNT, *low tension*

##### USE

**S** Street  
**R** Race  
**S/R** Street or Race



**If you don't see it, call us,  
WE CAN DO IT!**

# Ring Sets by Bore Diameter – Aftermarket (continued)

Ring sets for performance applications typically using non-OE ring groove sizes. *Napier 2nds now available for most applications.*

Low tension oils not recommended for street use. \*Napier 2nd Rings standard in these sets when available. [See page 44 for set descriptions.](#)

BORE	CYLS	GROOVE SIZE	AVAILABLE SIZES <i>oversizes x .001"</i>	GAPLESS® TOP RING SETS		GAPLESS® 2ND RING SETS		CONVENTIONAL SETS	
				<i>AP Steel</i>	<i>Maxseal Ductile</i>	<i>AP Steel Top</i>	<i>TS1 Ductile Top</i>	<i>Classic AP Steel</i>	<i>Classic Race</i>
4.800	8	.043 .043 3.0	5	<b>MS2017</b> STD OIL 23LB+/-	<b>M2017</b> STD OIL 23LB+/-	<b>TS2017</b> STD OIL 23LB+/-	<b>T2017</b> STD OIL 23LB+/-	<b>CS2017</b> STD OIL 23LB+/-	<b>CR2017</b> STD OIL 23LB+/-
4.800	8	.043 1/16 3.0	5	<b>MS4332</b> LOW OIL 11LB+/-		<b>TS4332</b> LOW OIL 11LB+/-		<b>CS4332</b> LOW OIL 11LB+/-	
4.800	8	.043 1/16 3/16	5	<b>MS4335</b> STD OIL 23LB+/-		<b>TS4335</b> STD OIL 23LB+/-		<b>CS4335</b> STD OIL 23LB+/-	
4.800	8	.047 1/16 3/16	5		<b>M4706</b> STD OIL 23LB+/-		<b>T4706</b> STD OIL 23LB+/-		<b>CR4706</b> STD OIL 23LB+/-
4.800	8	1/16 1/16 3/16	5	<b>MS1602</b> STD OIL 23LB+/-	<b>M1602</b> STD OIL 23LB+/-	<b>TS1602</b> STD OIL 23LB+/-	<b>T1602</b> STD OIL 23LB+/-	<b>CS1602</b> STD OIL 23LB+/-	<b>CR1602</b> STD OIL 23LB+/-
4.850	8	1.5 .043 3/16	5	<b>MS2018</b> STD OIL 23LB +/-				<b>CS2018</b> STD OIL 23LB +/-	
4.875	8	.043 .043 3/16	5	<b>MS4336</b> STD OIL 23LB +/-		<b>TS4336</b> STD OIL 23LB +/-		<b>CS4336</b> STD OIL 23LB +/-	
4.875	8	.043 1/16 3/16	STD 5	<b>MS2020</b> STD OIL 23LB +/-		<b>TS2020</b> STD OIL 23LB +/-		<b>CS2020</b> STD OIL 23LB +/-	
4.875	8	1/16 1/16 3/16	STD 5	<b>MS2019</b> STD OIL 23LB +/-		<b>TS2019</b> STD OIL		<b>CS2019</b> STD OIL 23LB +/-	
4.980	8	1/16 1/16 3/16	STD	<b>MS2021</b> STD OIL 23LB +/-		<b>TS2021</b> STD OIL 23LB +/-		<b>CS2021</b> STD OIL 23LB +/-	
5.000	8	.043 .043 3/16	STD	<b>MS2022</b> LOW OIL 23LB +/-				<b>CS2022</b> LOW OIL 23LB +/-	
5.000	8	.043 1/16 3/16	STD	<b>MS2023</b> STD OIL 23LB +/-		<b>TS2023</b> STD OIL 23LB +/-		<b>CS2023</b> STD OIL 23LB +/-	
5.000	8	1/16 1/16 3/16	STD	<b>MS2024</b> STD OIL 23LB +/-		<b>TS2024</b> STD OIL 23LB +/-		<b>CS2024</b> STD OIL 23LB +/-	
5.125	8	.043 .043 3.0	STD	<b>MS2025</b> STD OIL 23LB +/-				<b>CS2025</b> STD OIL 23LB +/-	
5.125	8	.043 .043 3/16	STD	<b>MS2026</b> STD OIL 23LB +/-				<b>CS2026</b> STD OIL 23LB +/-	

#### PREFIX LEGEND:

##### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street/race  
**MS** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension  
**MT** TNT  
**MTL** TNT, low tension

##### Gapless® 2<sup>nd</sup> ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension  
**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race

##### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension  
**CT** TNT  
**CTL** TNT, low tension

##### USE

**S** Street  
**R** Race  
**S/R** Street or Race

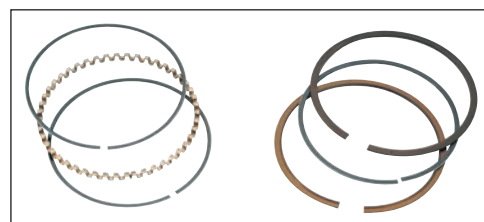


**If you don't see it, call us,  
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## Claimer Sets

These sets are specifically designed for racing classes where claiming rules are in affect. Claimer sets feature high quality cast moly top rings, Gapless 2nd rings and Gold power low tension oil rings. Only available in these specific sizes, the claimer set offers unmatched Gapless ring performance at a claimer set price.

BORE	CYLS	GROOVE	OIL RING TENSION	USE	GAPLESS® 2ND RING SET	OVERSIZES
4.000	8	1.5 1.5 4.0	LOW	RACE ONLY	CL6434	STD 30 40 60
4.000	8	1/16 1/16 3/16	LOW	RACE ONLY	CL3690	STD 30 40 60
4.000	8	5/64 5/64 3/16	LOW	RACE ONLY	CL9090	STD 30 40 60
4.125	8	1/16 1/16 3/16	LOW	RACE ONLY	CL0690	STD 30 40 60
4.125	8	5/64 5/64 3/16	LOW	RACE ONLY	CL0190	STS 30 40 60



## Advantage Ring Kits Use in pistons with 5/64 5/64 3/16 D-wall ring grooves

**NOW AVAILABLE WITH GAPLESS TOP RINGS!!!**

The Advantage ring kits were developed with "Stock" class Drag and Circle track racers in mind. These kits are for use with pistons that by the rules are required to have a ring groove combination of 5/64 5/64 3/16. Through the innovative use of specially designed rings and spacers the "stock" class racer can take advantage of the narrow, light weight, low drag rings that the "Pro" classes have successfully been using for years. Rounding out the package is our special low-tension oil ring created with wet sump engines in mind. It's a commonly known fact that less parasitic loss equals more horsepower. One of the easiest ways to achieve this is through the use of Pro style rings. There are no special tools or machining required. Check the chart for your bore size, if you don't see it listed give us a call and we'll try to build one specifically for you. Don't delay get the Total Seal Advantage and start making some real power before your competition does.

*Call for bore sizes not shown.*

BORE	GAPLESS® 2ND SET#	GAPLESS® TOP SET#
3.796	A3800	MA3800
4.000	A4000	MA4000
4.010	A4010	MA4010



BORE	GAPLESS® 2ND SET#	GAPLESS® TOP SET#
4.020	A4020	MA4020
4.030	A4030	MA4030
4.040	A4040	MA4040
4.050	A4050	MA4050
4.060	A4060	MA4060
4.080	A4080	MA4080
4.090	A4090	MA4090

BORE	GAPLESS® 2ND SET#	GAPLESS® TOP SET#
4.100	A4100	MA4100
4.125	A4125	MA4125
4.135	A4135	MA4135
4.145	A4145	MA4145
4.155	A4155	MA4155
4.165	A4165	MA4165
4.185	A4185	MA4185



JASON NOLL



ALLEN JOHNSON



GREG STANFIELD



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# Gold Finish™

## Premium Piston Ring Sets

New Total Seal® *Gold Finish™* rings utilize tighter tolerances, sharp edge technology and PVD coatings for superior performance. Similar in design and technology to our Diamond Finish™ rings used by the top teams in racing, *Gold Finish™* rings are more economical and were developed specifically for *Saturday Night* and *Sportsman* level racers.

### TOP RING

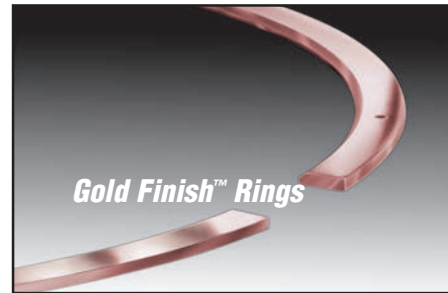
- P92 Powermax™
- Heat Treated Ductile Iron
- Barrel Faced
- P-92™ PVD Face Coating
- Lower Coefficient of Friction
- No Moly Flaking
- Parallel Lapped Sides +/- .0002"
- Fits SAE Piston Ring Grooves
- .043"-1/16"
- D-Wall or PRO Series
- Gapless® or Conventional

### 2ND RING

- Napier® 2nd Ring
- Sharp Edge Technology
- Less Parasitic Drag
- Improved Oil Control
- .043" x .140"
- 1/16" x .160"

### OIL RING

- Custom Designed Expanders
- Oil Rails Coiled on Bore Size
- Controlled End Gap
- Superior Oil Control
- 3.0mm and 3/16"



BORE	FILE FIT	CYLS	RING PACK	GAPLESS® TOP	OIL TEN	CONV	OIL TEN
4.030	Y	8	.043 .043 3.0	MP4035043	LOW	P4035043	LOW
	Y	8	1/16 1/16 3/16	MP4035062	LOW	P4035062	LOW
4.040	Y	8	1/16 1/16 3/16	MP4045062	LOW	P4045062	LOW
4.060	Y	8	.043 .043 3.0	MP4065043	LOW	P4065043	LOW
	Y	8	1/16 1/16 3/16	MP4065062	LOW	P4065062	LOW
4.120	Y	8	.043 .043 3.0	MP4125043	LOW	P4125043	LOW
4.125	Y	8	.043 .043 3.0	MP4130043	LOW	P4130043	LOW
	Y	8	1/16 1/16 3/16	MP4130062	LOW	P4130062	LOW
4.130	Y	8	.043 .043 3.0	MP4135043	LOW	P4135043	LOW
4.145	Y	8	.043 .043 3.0	MP4150043	LOW	P4150043	LOW
4.150	Y	8	.043 .043 3.0	MP4155043	LOW	P4155043	LOW
4.155	Y	8	.043 .043 3.0	MP4160043	LOW	P4160043	LOW
	Y	8	1/16 1/16 3/16	MP4160062	LOW	P4160062	LOW
4.165	Y	8	.043 .043 3.0	MP4170043	LOW	P4170043	LOW
4.170	Y	8	.043 .043 3.0	MP4175043	LOW	P4175043	LOW
4.175	Y	8	.043 .043 3.0	MP4180043	LOW	P4180043	LOW
4.180	Y	8	.043 .043 3.0	MP4180043	LOW	P4185043	LOW
4.185	Y	8	.043 .043 3.0	MP4190043	LOW	P4190043	LOW
4.280	Y	8	1/16 1/16 3/16	MP4285062	LOW	P4285062	LOW
4.500	Y	8	1/16 1/16 3/16	MP4505062	LOW	P4505062	LOW
4.670	Y	8	.043 .043 3.0	MP4675043	LOW	P4675043	LOW
4.675	Y	8	.043 .043 3.0	MP4680043	LOW	P4680043	LOW
4.680	Y	8	.043 .043 3.0	MP4685043	LOW	P4685043	LOW
4.685	Y	8	.043 .043 3.0	MP4690043	LOW	P4690043	LOW
4.700	Y	8	.043 .043 3.0	MP4705043	LOW	P4705043	LOW

Gold Finish™ sets available only as seen. No substitution of components.

CONV = Conventional



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WE CAN DO IT!**



# TNT™ Rings

TNT™ Ring Sets feature our latest Hybrid ductile iron technology. The centrifugally spun, heat-treated ductile iron top ring is specifically designed to withstand the rigors of nitrous oxide and forced induction environments. They're quick seating, easy on the cylinder walls and available with our optional PVD coatings for further reductions in friction and increased wear ability. 2nd rings are cast iron torsional taper face. Oil rings are 3 piece flex vent design. **TNT™ Rings are also available in Gapless®.**

- TNT™ Top Rings are Centrifugal Cast for Superior Grain Structure
- Engineered for Extreme Abuse such as Nitrous Oxide, Turbocharged and High Cylinder Pressure Applications
- Tighter Tolerances and PVD Coatings, Reducing Friction and Eliminating Moly Flake

## Ring Sets

TODD  
ROBERTSON



BORE	FILE FIT	CYLS	RING PACK	GAPLESS® TOP	OIL TEN	GAPLESS® 2ND	OIL TEN	CONV	OIL TEN
4.000	Y	8	1/16 1/16 3/16	MT3690 5	STD	TT3690 5	STD	CT3690 5	STD
4.030	Y	8	.043 .043 3.0	MT0010 35	LOW	TT0010 35	LOW	CT0010 35	LOW
	Y	8	.043 1/16 3/16	MT4300 35	STD	TT4300 35	STD	CT4300 35	STD
	Y	8	1/16 1/16 3/16	MT3690 35	STD	TT3690 35	STD	CT3690 35	STD
	Y	8	.017 1/16 3/16		STD	TT1700 35	STD	CT1700 35	STD
	Y	8	.031 1/16 3/16		STD	TT3104 35	STD	CT3104 35	STD
4.040	Y	8	1/16 1/16 3/16	MT3690 45	STD	TT3690 45	STD	CT3690 45	STD
	Y	8	.017 1/16 3/16		STD	TT1700 45	STD	CT1700 45	STD
	Y	8	.031 1/16 3/16		STD	TT3104 45	STD	CT3104 45	STD
4.060	Y	8	.043 .043 3.0	MT0010 65	LOW	TT0010 65	LOW	CT0010 65	LOW
	Y	8	.043 1/16 3/16	MT4300 65	STD	TT4300 65	STD	CT4300 65	STD
	Y	8	1/16 1/16 3/16	MT3690 65	STD	TT3690 65	STD	CT3690 65	STD
	Y	8	.017 1/16 3/16		STD	TT1700 65	STD	CT1700 65	STD
	Y	8	.031 1/16 3/16		STD	TT3104 65	STD	CT3104 65	STD
4.120	Y	8	.043 .043 3.0	MT0010 125	LOW	TT0010 125	LOW	CT0010 125	LOW
4.125	Y	8	.043 .043 3.0	MT9010 5	LOW	TT9010 5	LOW	CT9010 5	LOW
	Y	8	.043 1/16 3/16	MT4301 5	STD	TT4301 5	STD	CT4301 5	STD
	Y	8	1/16 1/16 3/16	MT0690 5	STD	TT0690 5	STD	CT0690 5	STD
	Y	8	.017 1/16 3/16		STD	TT1701 5	STD	CT1701 5	STD
	Y	8	.031 1/16 3/16		STD	TT3106 5	STD	CT3106 5	STD
4.130	Y	8	1/16 1/16 3/16	MT7560 5	STD	TT7560 5	STD	CT7560 5	STD
4.145	Y	8	.043 .043 3.0	MT9010 25	LOW	TT9010 25	LOW	CT9010 25	LOW
	Y	8	.043 1/16 3/16	MT4301 25	STD	TT4301 25	STD	CT4301 25	STD
4.155	Y	8	.043 .043 3.0	MT9010 35	LOW	TT9010 35	LOW	CT9010 35	LOW
	Y	8	.043 1/16 3/16	MT4301 35	STD	TT4301 35	STD	CT4301 35	STD
	Y	8	1/16 1/16 3/16	MT0690 35	STD	TT0690 35	STD	CT0690 35	STD
	Y	8	.017 1/16 3/16		STD	TT1701 35	STD	CT1701 35	STD
	Y	8	.031 1/16 3/16		STD	TT3106 35	STD	CT3106 35	STD
4.165	Y	8	.043 .043 3.0	MT9010 45	LOW	TT9010 45	LOW	CT9010 45	LOW
	Y	8	.043 1/16 3/16	MT4301 45	STD	TT4301 45	STD	CT4301 45	STD
	Y	8	1/16 1/16 3/16	MT0690 45	STD	TT0690 45	STD	CT0690 45	STD
	Y	8	.017 1/16 3/16		STD	TT1701 45	STD	CT1701 45	STD
	Y	8	.031 1/16 3/16		STD	TT3106 45	STD	CT3106 45	STD
4.185	Y	8	.043 .043 3.0	MT9010 65	LOW	TT9010 65	LOW	CT9010 65	LOW
	Y	8	.043 1/16 3/16	MT4301 65	STD	TT4301 65	STD	CT4301 65	STD
	Y	8	.017 1/16 3/16		STD	TT1702 65	STD	CT1702 65	STD

CONV = Conventional



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# TNT™ Ring Sets (continued)

BORE	FILE FIT	CYLS	RING PACK	GAPLESS® TOP	OIL TEN	GAPLESS® 2ND	OIL TEN	CONV	OIL TEN
4.280	Y	8	1/16 1/16 3/16	MT9190 35	STD	TT9190 35	STD	CT9190 35	STD
	Y	8	.017 1/16 3/16			TT1702 35	STD	CT1702 35	STD
4.310	Y	8	1/16 1/16 3/16	MT9190 65	STD	TT9190 65	STD	CT9190 65	STD
	Y	8	.017 1/16 3/16			TT1702 65	STD	CT1702 65	STD
4.320	Y	8	1/16 1/16 3/16	MT6490 5	STD	TT6490 5	STD	CT6490 5	STD
4.350	Y	8	1/16 1/16 3/16	MT6490 35	STD	TT6490 35	STD	CT6490 35	STD
	Y	8	.017 1/16 3/16			TT1703 35	STD	CT1703 35	STD
4.375	Y	8	1/16 1/16 3/16	MT9190 130	STD	TT9190 130	STD	CT9190 130	STD
	Y	8	.017 1/16 3/16			TT1702 130	STD	CT1702 130	STD
4.390	Y	8	1/16 1/16 3/16	MT2690 35	STD	TT2690 35	STD	CT2690 35	STD
	Y	8	.017 1/16 3/16			TT1702 140	STD	CT1702 140	STD
4.440	Y	8	1/16 1/16 3/16	MT9190 195	STD	TT9190 195	STD	CT9190 195	STD
	Y	8	.017 1/16 3/16			TT1702 195	STD	CT1702 195	STD
4.500	Y	8	1/16 1/16 3/16	MT9190 255	STD	TT9190 255	STD	CT9190 255	STD
	Y	8	.017 1/16 3/16			TT1702 255	STD	CT1702 255	STD
4.500	y	8	.043 .043 3.0	MT4343 255	LOW	TT4343 255	LOW	CT4343 255	STD
	Y	8	.043 .043 3/16	MT4325 255	STD	TT4325 255	STD	CT4325 255	STD
	Y	8	.043 1/16 3/16	MT4302 255	STD	TT4302 255	STD	CT4302 255	STD
4.530	Y	8	1/16 1/16 3/16	MT9190 285	STD	TT9190 285	STD	CT9190 285	STD
	Y	8	.017 1/16 3/16			TT1702 285	STD	CT1702 285	STD
4.530	Y	8	.043 .043 3.0	MT4343 285	LOW	TT4343 285	LOW	CT4343 285	STD
	Y	8	.043 .043 3/16	MT4325 285	STD	TT4325 285	STD	CT4325 285	STD
	Y	8	.043 1/16 3/16	MT4302 285	STD	TT4302 285	STD	CT4302 285	STD
4.560	Y	8	1/16 1/16 3/16	MT9130 5	STD	TT9130 5	STD	CT9130 5	STD
	Y	8	.017 1/16 3/16			TT1704 5	STD	CT1704 5	STD
4.560	Y	8	.043 .043 3.0	MT4325 5	LOW	TT4327 5	LOW	CT4327 5	LOW
	Y	8	.043 .043 3/16	MT4325 5	STD	TT4326 5	STD	CT4326 5	STD
	Y	8	.043 1/16 3/16	MT4305 5	STD	TT4304 5	STD	CT4304 5	STD
4.600	Y	8	.043 1/16 3/16	MT4309 5	STD	TT4309 5	STD	CT4309 5	STD
	Y	8	.043 1/16 3/16	MTL4309 5	LOW	TTL4309 5	LOW	CTL4309 5	LOW
	Y	8	1/16 1/16 3/16	MT9150 5	STD	TT9150 5	STD	CT9150 5	STD
	Y	8	1/16 1/16 3/16	MTL9150 5	LOW	TTL9150 5	STD	CTL9150 5	LOW
	Y	8	.017 1/16 3/16			TT1704 45	STD	CT1704 45	STD
4.600	Y	8	.043 .043 3.0	MT4010 5	LOW	TT4010 5	LOW	CT4010 5	LOW
	Y	8	.043 .043 3/16	MT5010 5	STD	TT5010 5	STD	CT5010 5	STD
4.625	Y	8	.043 .043 3.0	MT4010 30	STD	TT4010 30	STD	CT4010 30	STD
	Y	8	.043 .043 3/16	MT5010 30	STD	TT4010 30	STD	CT5010 30	STD
	Y	8	.043 1/16 3/16	MT4307 5	STD	TT4307 5	STD	CT4307 5	STD
	Y	8	1/16 1/16 3/16	MT3340 5	STD	TT3340 5	STD	CT3340 5	STD
4.675	Y	8	.043 .043 3.0	MT6010 5	LOW	TT6010 5	LOW	CT6010 5	LOW
	Y	8	.043 1/16 3/16	MT4307 55	STD	TT4307 55	STD	CT4307 55	STD
4.700	Y	8	.043 .043 3.0	MT6010 30	LOW	TT6010 30	LOW	CT6010 30	LOW
	Y	8	.043 1/16 3/16	MT4307 80	STD	TT4307 80	STD	CT4307 80	STD
4.750	Y	8	.047 1/16 3/16	MT5850 5	STD	TT5850 5	STD	CT5850 5	STD
4.800	Y	8	.047 1/16 3/16	MT4706 5	STD	TT4706 5	STD	CT4706 5	STD

CONV = Conventional



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# Ring Sets by Application – Original Equipment

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown.

*See page 44 for set descriptions.*

## ACURA *(additional applications available)*

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <i>oversizes x .001"</i>
D16A1, A6, Z6 1590CC	1.6L	86-89	75.00MM 2.953"	4	1.2 1.5 2.8	MX0464	X0464	CR0464	STD	S/R	STD 20 30 40
B17A1, VTEC 1678CC	1.7L	92-93	81.00MM 3.189"	4	1.0 1.2 2.8	MX6664	X6664	CR6664	STD	S/R	STD 20 30 40
B18A1, B1, C1 1834CC	1.8L	90-01	81.00MM 3.189"	4	1.0 1.2 2.8	MX6664	X6664	CR6664	STD	S/R	STD 20 30 40
K20A3 CIVIC RSX	2.0L	02-06	86.00MM 3.386"	4	1.2 1.2 2.0	M9805	X9805	CR9805	STD		STD
K24A2 I-VTECH	2.4L	03-05	87.00MM 3.425"	4	1.2 1.2 2.5	M9715	X9715	CR9715	STD		STD 20 30 40
C27A1 2675CC	2.7L	87-97	87.00MM 3.425"	6	1.2 1.2 4.0	MX5464	X5464	CR5464	STD	S/R	STD 20 30 40
C32A1 3206CC	3.2L	91-98	90.00MM 3.543"	6	1.2 1.2 2.8	MX7664	X7664	CR7664	STD	S/R	STD 20 30 40
C30A1 2977CC	3.0L	96-05	90.00MM 3.543"	6	1.2 1.2 2.8	MX7664	X7664	CR7664	STD	S/R	STD 20 30 40

## ALFA-ROMEO *(additional applications available)*

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <i>oversizes x .001"</i>
MILANO V6, 3000CC	3.0L		93.00MM 3.661"	6	1.5 1.5 3.5		S6474	C6474	STD	S	STD 20 30 40

## AMERICAN MOTORS *(additional applications available)*

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <i>oversizes x .001"</i>
150CI	2.5L	83-89	3.875"	4	5/64 5/64 3/16		S5660	C5660	STD	S	STD 10 20 30 40 60
199CI 232CI 258CI		64-70 67-83 71-89	3.750"	6	5/64 5/64 3/16		S6560	C6560	STD	S	STD 10 20 30 40 60
246CI		86-89	3.875"	6	5/64 5/64 3/16		S7660 T7660	C7660 CR7660	STD STD	S S/R	STD 5 10 20 30 35 40 45 60 65 80
287CI 290CI 304CI		63-66 66-69 70-79	3.750"	8	5/64 5/64 3/16		S8650	C8650	STD	S	STD 10 20 30 40 60 80 100
327CI		57-66	4.000"	8	5/64 5/64 3/16		S9090	C9090	STD	S	STD 10 20 30 40 60 80
327CI		57-66	4.000"	8	5/64 5/64 3/16	M9090	T9090	CR9090	STD	S/R	STD 5 10 20 25 30 35 40 45 60 65 80 85

### PREFIX LEGEND:

#### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street / race  
**MS** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension  
**MT** TNT  
**MTL** TNT, low tension

#### Gapless® 2nd ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension  
**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension  
**CT** TNT  
**CTL** TNT, low tension

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race

CONV = Conventional



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# Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown

*See page 44 for set descriptions.*

## AMERICAN MOTORS (continued)

MAKE/MODEL	YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
343CI 360CI	67-69 68-70	4.080"	8	5/64 5/64 3/16		S3960	C3960	STD	S	STD 20 30 40 60
390CI 401CI	68-70 71-77	4.165"	8	5/64 5/64 3/16	M2760	S2760 T2760	C2760 CR2760	STD STD	S S/R	STD 20 30 40 60

## AUDI (additional applications available)

MAKE/MODEL	YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
1457CC	1.5L 78-80	79.50MM 3.130"	4	1.75 2.0 4.0		S0944	C0944	STD	S	STD 10 20 30 40 60
FOX 80 GL GLS 4000-4 1588CC	1.6L 78-80	79.50MM 3.130"	4	1.75 2.0 4.0		S0944	C0944	STD	S	STD 10 20 30 40 60
4000 GAS 2144CC 5000 DIESEL 2226CC	2.2L 83-ON	81.00MM 3.189"	5	1.5 1.75 3.0		T1454	CR1454	STD	S/R	STD 20 30

## AUSTIN-ROVER (additional applications available)

MAKE/MODEL	YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
METRO, MG TURBO, ALLEGRO MORRIS 1275CC	80-ON	2.780"	4	1/16 1/16 5/32		S1374	C1374	STD	S	STD 20 30 40
AMERICAN, HEALY SPRITE MK 4 1275CC	60-72	2.781"	4	1/16 1/16 1/16 5/32		S2086	C2086	STD	S	STD 20 30 40 60

## BMW (additional applications available)

MAKE/MODEL	YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
318, 518, 1800, 2000 2002, 2002ti, 320i, 520i	1.8L 65-85	89.00MM 3.504"	4	1.75 2.0 4.0		S4124 T4124	C4124 CR4124	STD STD	S S/R	STD 40 60
318i 518i Z3	1.8L 93-ON	84.00MM 3.307"	4	1.5 1.5 2.0	M7554	T7554	CR7554	STD	S/R	STD 20 40
325e, 528e	84-87	84.00MM 3.307"	6	1.5 2.0 4.0		T0434	CR0434	STD	S/R	STD 10 20 30
525i 321i CABRIOLET 325e, 325i, 325is, 328e	2.5L 89-95 87-95 87-88	84.00MM 3.307"	6	1.5 1.75 3.0		S2674	C2674	STD	S	STD 20 30 40
325i 328i 525i	2.5L 92-96	84.00MM 3.307"	6	1.2 1.5 2.0	M3754	T3754	CR3754	STD	S/R	STD 20 40
535i, M5, M535i, 635csi, 735i	3.5L 85-ON	92.00MM 3.622"	6	1.5 2.0 3.5		T6374	CR6374	STD	S/R	STD 20 30 40

CONV = Conventional

### PREFIX LEGEND:

#### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street / race  
**MS** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension

#### (continued)

**MT** TNT  
**MTL** TNT, low tension

#### Gapless® 2<sup>nd</sup> ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension

#### (continued)

**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race



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# Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown.

*See page 44 for set descriptions.*

## CHRYSLER-Plymouth, Dodge (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
105CI OMNI, HORIZON	1.7L	78-84	79.50MM 3.130"	4	1.75 2.0 4.0		T0944	CR0944	STD	S/R	STD 10 20 30 40 60
122CI 2000CC GTX DOHC INCL TURBO	2.0L	88-93	85.00MM 3.346"	4	1.2 1.5 3.0	MX3164	X3164	CR3164	STD	S/R	STD 20 30 40
121CI NEON DOHC, SOHC	2.0L	94-05	87.50MM 3.445"	4	1.2 1.2 3.0	MX9574	X9574	CR9574	STD	S/R	STD 20 30 40
122CI G54B, 4G63	2.0L	11/86 -91	85.00MM 3.346"	4	1.5 1.5 4.0	MX9986	X9986	CR9986	STD	S/R	STD 20 30 40 60
135CI 16 VALVE TURBO	2.2L	92-97	87.50MM 3.445"	4	1.5 1.5 3.0		T4374	CR4374	STD	S/R	STD 20 30 40
135CI SHALLOW OIL	2.2L	85-95	87.50MM 3.445"	4	1.5 1.5 4.0	M2224	T2224	CR2224	STD	S/R	STD 20 30 40 60
135CI TURBO	2.2L	82-93	87.50MM 3.445"	4	1.5 1.5 4.0	M6024	T6024	CR6024	STD	S/R	STD 20 30 40 60
148CI	2.4L	95-97	87.50MM 3.445"	4	1.5 1.5 3.0		T4374	CR4374	STD	S/R	STD 20 30 40
146CI RDS2, 4G64	2.4L	93-05	86.50MM 3.406"	4	1.2 1.5 2.8		X0874	CR0874	STD	S/R	STD 20 30 40
146CI 4G64, VIN T	2.4L	93-96	86.50MM 3.406"	4	1.2 1.5 3.0	MX3874	X3874	CR3874	STD	S/R	STD 20 30 40
146CI G64B, VIN T	2.4L	90-93	86.50MM 3.406"	4	1.5 1.5 4.0		T8364	CR8364	STD	S/R	STD 20 30 40
153CI SHALLOW OIL	2.5L	86-95	87.50MM 3.445"	4	1.5 1.5 4.0	M2224	T2224	CR2224	STD	S/R	STD 20 30 40 60
153CI DEEP OIL	2.5L	86	87.50MM 3.445"	4	1.5 1.5 4.0		T2565	CR2565	STD	S/R	STD 10 20 30 40 60
153CI TURBO	2.5L	82-93	87.50MM 3.445"	4	1.5 1.5 4.0	M6024	T6024	CR6024	STD	S/R	STD 20 30 40 60
156CI INCL TURBO SHALLOW OIL	2.6L	04/83- 89	91.10MM 3.587"	4	1.5 1.5 4.0	M7665	T7665	CR7665	STD	S/R	STD 10 20 30 40 60
156CI	2.6L	78- 03/83	91.10MM 3.587"	4	2.0 2.0 4.0		T5955	CR5955	STD	S/R	STD 10 20 30 40 60
170CI SLANT 6	2.7L	60-69	3.400"	6	5/64 5/64 3/16		S7860	C7860	STD	S	STD 10 20 30 40 60 80
181CI VIN V, 6G72 INCL TURBO	3.0L	91-05	91.10MM 3.587"	6	1.2 1.5 3.0	MX0764	X0764	CR0764	STD	S/R	STD 20 30 40
181CI VIN V, 6G72 MINI VAN	3.0L	87-04	91.00MM 3.583"	6	1.5 1.5 4.0		S3544 T3544	C3544 CR3544	STD STD	S S/R	STD 10 20 30 40 60
226CI VIN K	3.7L	99-07	93.00MM 3.661"	6	1.5 1.5 3.0	M6364	T6364	CR6364	STD	S/R	STD 10 20 30 40 60
198CI	3.2L	70-73	3.400"	6	5/64 5/64 3/16		S7860	C7860	STD	S	STD 10 20 30 40 60 80
225CI	3.7L	60-87	3.400"	6	5/64 5/64 3/16		S7860	C7860	STD	S	STD 10 20 30 40 60 80
245CI VIN E,K SOHC	4.0L	02-07	100.40MM 3.953"	6	1.2 1.5 3.0	M7815	T7815	CR7815	STD	S/R	STD 20 30

CONV = Conventional

### PREFIX LEGEND:

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension

**CT** TNT  
**CTL** TNT, low tension

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race



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# Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown

*See page 44 for set descriptions.*

## CHRYSLER-Plymouth, Dodge (continued)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
285CI VIN N,P	4.7L	99-07	93.00MM 3.661"	8	1.5 1.5 3.0	M0974	T0974	CR0974	STD	S/R	STD 10 20 30 40
270, 273, 301, 315CI		55-69	3.625"	8	5/64 5/64 3/16		S3360	C3360	STD	S	STD 10 20 30 40 60
318CI STD OIL GROOVE	5.2L	58-93	3.910"	8	5/64 5/64 3/16	M8410	S8410 T8410	C8410 CR8410	STD STD	S S/R	STD 10 20 30 40 60
340CI		68-73	4.040"	8	.043 1/16 3/16	M4340 ML4340	T4340 TL4340	CR4340 CRL4340	STD LOW	R R	35 45 65
340CI		68-73	4.040"	8	1/16 1/16 3/16	M7590 ML7590	T7590 TL7590	CR7590 CRL7590	STD LOW	S/R R	5 35 40 45 65
340CI		68-73	4.040"	8	5/64 5/64 3/16		S4960	C4960	STD	S	STD 20 30 40 60
354CI (HEMI)		56-58	3.937"	8	5/64 5/64 3/16		S6360	C6360	STD	S	STD 20 30 40 60
5.7 HEMI	5.7	03-08	99.50MM 3.918"	8	1.5 1.5 3.0	M7905	T7905	CR7905	STD	S/R	STD 5 10 15 20 25 30 35 40
360CI	5.9L	71-95	4.000"	8	.031 1/16 3/16		T3100 TL3100	CR3100 CRL3100	STD LOW	R R	5 25 35 65
360CI	5.9L	71-95	4.000"	8	.043 1/16 3/16	M4300 ML4300	T4300 TL4300	CR4300 CRL4300	STD LOW	R R	5 25 35 45 65
360CI	5.9L	95-04	101.6MM 4.000"	8	1.5 1.5 4.0		S6274	C6274	STD	S	STD 20 30 40
360CI	5.9L	71-95	4.000"	8	1/16 1/16 3/16		S3690	C3690	STD	S	STD 5 20 30 35 40 60 65
360CI	5.9L	71-95	4.000"	8	1/16 1/16 3/16	M3690 ML3690	T3690 TL3690	CR3690 CRL3690	STD LOW	S/R R	STD 5 10 15 20 25 30 35 40 45 55 60 65 80 85 95 105
360CI	5.9L	71-95	4.000"	8	5/64 5/64 3/16		S9090	C9090	STD	S	STD 10 20 30 40 60 80
360CI	5.9L	71-95	4.000"	8	5/64 5/64 3/16	M9090 ML9090	T9090 TL9090	CR9090 CRL9090	STD LOW	S/R R	STD 5 10 20 25 30 35 40 45 60 65 80 85
CUMMINS TURBO DIESEL	5.9L	88-08	102MM 4.016"	6	3.0K 2.35 4.0		S4194	C4194	STD	S/R	STD 20 30 40
370CI HEMI	6.1L	05-08	103.00MM 4.055"	8	1.5 1.5 3.0	M7094	T7094	CR7094	STD	S/R	10 20 30
408 CU IN ETJ 24V TURBO L6 VIN: A, L	6.7L	07-12	107.0MM 4.213"	6	2.87 2.5 3.46		S2785	CR2785	STD	S/R	STD 20 40
383CI 426CI (INCL HEMI)		61-71	4.250"	8	.031 1/16 3/16		T3102 TL3102	CR3102 CRL3102	STD LOW	R R	5 35 65 130 255
383CI 426CI (INCL HEMI)		61-71	4.250"	8	.043 1/16 3/16	M4302 ML4302	T4302 TL4302	CR4302 CRL4302	STD LOW	R R	5 35 65 130 195 255 285
383CI 426CI (INCL HEMI)		61-71	4.250"	8	1/16 1/16 3/16		S9190	C9190	STD	S	STD 5 30
383CI 426CI (INCL HEMI)		61-71	4.250"	8	1/16 1/16 3/16	M9190 ML9190	T9190 TL9190	CR9190 CRL9190	STD LOW	S/R R	STD 5 25 30 60 65 105 130 150 195 225 255 285

### PREFIX LEGEND:

#### Gapless® top ring sets

- M** Maxseal, street / race
- ML** Maxseal, low tension, race
- MG** Maxseal, gold power low tension, race
- MX** Maxseal Xtreme, Sport compact, street / race
- MS** Maxseal Steel top
- MSL** Maxseal Steel top, low tension
- MSG** Maxseal Steel top, gold power low tension

#### (continued)

- MT** TNT
- MTL** TNT, low tension

#### Gapless® 2<sup>nd</sup> ring sets

- S** Street
- CL** Claimer (cast moly top ring)
- T** TS1 Street / Race
- TL** TS1 Race, low tension

#### (continued)

- TG** TS1 Race, gold power low tension
- TS** TS1 Steel top
- TSL** TS1 Steel top, low tension
- TSG** TS1 Steel top, gold power low tension
- TT** TNT
- TTL** TNT, low tension
- X** Xtreme, Sport compact, street / race

CONV = Conventional



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# Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown.

*See page 44 for set descriptions.*

## CHRYSLER-Plymouth, Dodge (continued)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
383CI 426CI (INCL HEMI)		61-71	4.250"	8	5/64 5/64 3/16		S2090	C2090	STD	S	STD 5 20 30 35 40 60
383CI 426CI (INCL HEMI)		61-71	4.250"	8	5/64 5/64 3/16	M2090 ML2090	T2090 TL2090	CR2090 CRL2090	STD LOW	S/R R	STD 5 30 35 45 60 65
392CI (HEMI)		57-58	4.000"	8	5/64 5/64 3/16		S9090	C9090	STD	S	STD 10 20 30 40 60 80
392CI (HEMI)		57-58	4.000"	8	5/64 5/64 3/16	M9090 ML9090	T9090 TL9090	CR9090 CRL9090	STD LOW	S/R R	STD 5 10 20 25 30 35 40 45 60 65 80
400CI		72-79	4.342"	8	5/64 5/64 3/16		S6760	C6760	STD	S	STD 20 30 40 60
440CI		66-80	4.320"	8	.031 1/16 3/16		T3103 TL3103	CR3103 CRL3103	STD LOW	R R	5 35 65
440CI		66-80	4.320"	8	1/16 1/16 3/16	M6490 ML6490	T6490 TL6490	CR6490 CRL6490	STD LOW	S/R R	5 30 35 40 45 60 65
440CI		66-80	4.320"	8	5/64 5/64 3/16		S3290	C3290	STD	S	STD 20 30 40 60
440CI		66-80	4.320"	8	5/64 5/64 3/16	M3290	T3290	CR3290	STD	S/R	STD 5 10 20 30 35 40 45 60 65
488CI VIPER RT10	8.0L	94-98	4.000"	10	1.5 1.5 3.0	M6184	T6184	CR6184	STD	S/R	STD 20 30 40 60

## FIAT (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
X19 STRADA 1500CC		79-82	86.50MM 3.405"	4	1.5 2.0 4.0		S9316	C9316	STD	S	STD 10 16 24 32 40
BRAVA, SPIDER 1800CC, 2000CC		73-80	84.00MM 3.307"	4	1.5 2.0 4.0	M6159	T6159	CR6159	STD	S/R	STD 10 16 20 24 30 32 60 63

## FORD-Lincoln, Mercury (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
FIESTA 1600CC PINTO 1600CC KENT / CORTINA	1.6L	78-81 73-74	3.187"	4	1/16 5/64 5/32	M5455	T5455	CR5455	STD	S/R	STD 20 30 40
TRACER, CAPRI	1.6L	88-94	78.00MM 3.071"	4	1.5 1.5 4.0	M5624	T5624	CR5624	STD	S/R	STD 10 20 30 40 60
116CI	1.9L	85-86	82.00MM 3.228"	4	1.5 1.5 4.0		T1034	CR1034	STD	S/R	STD 20 30 40 60
121CI VIN 3 ZETEC, FOCUS	2.0L	95-04	84.86MM 3.341"	4	1.5 1.75 3.0		T7884	CR7884	STD	S/R	STD 20 30 40
121CI DOHC VIN-A	2.0L	93-97	83.00MM 3.268"	4	1.2 1.5 3.0	MX9474	X9474	CR9474	STD	S/R	STD 20 30 40
122CI PINTO	2.0L	71-74	90.80MM 3.575"	4	1/16 1/16 1/8	M4455 ML4455	T4455 TL4455	CR4455 CRL4455	STD LOW	S/R R	STD 5 25 30 35 45 65

### PREFIX LEGEND:

#### Conventional sets

- C** Classic
- CR** Classic Race
- CRL** Classic Race, low tension
- CRG** Classic Race, gold power low tension
- CS** Classic Steel top
- CSL** Classic Steel top, low tension
- CSG** Classic Steel top, gold power low tension

- CT** TNT
- CTL** TNT, low tension

#### USE

- S** Street
- R** Race
- S/R** Street or Race

CONV = Conventional



**If you don't see it, call us,  
WE CAN DO IT!**

# Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown

*See page 44 for set descriptions.*

## FORD-Lincoln, Mercury (continued)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
122CI PINTO	2.0L	71-74	90.80MM 3.575"	4	1/16 1/16 3/16	M1007	T1007	CR1007	STD	S/R	25 35
122CI PINTO	2.0L	71-74	90.80MM 3.575"	4	2.0 2.5 4.0		S9950	C9950	STD	S	STD 20 30 40 60
PROBE INCL TURBO	2.2L	89-94	86.00MM 3.386"	4	1.5 1.5 4.0		T4665	CR4665	STD	S/R	STD 10 20 30 40 60
140CI VIN-A	2.3L	85-97	96.00MM 3.780"	4	1.5 1.5 4.0	M1675	T1675	CR1675	STD	S/R	STD 20 30 40 60
140CI 2300CC TURBO	2.3L	79-89	96.00MM 3.780"	4	2.0 2.0 4.75	M3165	S3165 T3165	C3165 CR3165	STD STD	S S/R	STD 20 30 40
140CI 2300CC	2.3L	74-84	96.00MM 3.780"	4	2.0 2.0 4.75	M3024	S3024 T3024	C3024 CR3024	STD STD	S S/R	STD 10 20 30 40 60
140CI 2300CC	2.3L	74-84	96.00MM 3.780"	4	1/16 1/16 3/16	M7255 ML7255	T7255 TL7255	CR7255 CRL7255	STD LOW	S/R R	STD 5 20 25 30 35 40 45 55 60 65
RANGER, VIN A RANGER, VIN C	2.3L 2.5L	95-97 98-00	96.00MM 3.780"	4	1.5 1.5 3.0		T2194	CR2194	STD	S/R	STD 20 30 40 60
152CI VIN-B	2.5L	93-97	84.50MM 3.327"	6	1.5 1.5 3.0		T0574	CR0574	STD	S/R	STD 20 30 40
183CI VIN-W	3.0L	93-98	87.00MM 3.425"	6	1.5 1.5 2.8	M6916	T6916	CR6916	STD	S/R	STD 20 30 40
183CI VIN-U SHALLOW OIL	3.0L	86-00	89.00MM 3.504"	6	1.5 1.5 4.0		T2675	CR2675	STD	S/R	STD 10 20 30 40
200CI	3.3L	63-84	3.680"	6	5/64 5/64 3/16		S6850	C6850	STD	S	STD 10 20 30 40 60 80
232CI	3.8L	88-95	96.80MM 3.811"	6	1.5 1.5 4.0	M2624	T2624	CR2624	STD	S/R	STD 20 30 40
232CI SUPERCHARGED	3.8L	88-95	96.80MM 3.811"	6	1.5 1.5 4.0		T7174	CR7174	STD	S/R	STD 20 30 40
232CI	3.8L	82-87	96.80MM 3.811"	6	2.0 2.0 4.0		S9465	C9465	STD	S	STD 20 30 40 60
244CI	4.0L	90-01	100.4MM 3.953"	6	1.6 1.75 3.5		T7264	CR7264	STD	S/R	STD 20 30 40
250CI	4.1L	69-80	3.680"	6	5/64 5/64 3/16		S6850	C6850	STD	S	STD 20 30 40 60 80
281CI VIN-V, W, 6 330CI, 5.4L	4.6L 5.4L	91-07 96-07	90.20MM 3.551"	8	1.5 1.5 3.0	MS8264	T8264	CR8264	STD	S/R	5 25 35
281CI VIN-V, W, 6 330CI	4.6L 5.4L	91-07 96-07	90.20MM 3.551"	8	1.5 1.5 3.0		S8264	C8264	STD	S	STD 10 20 30 40 60
5.0 COYOTE	5.0L	010-	92.18MM 3.629"	8	1.2 1.2 2.5	MS4714	TS4714	CS4714	STD	S/R	STD 20 30 40
289CI 302CI 351CI 400CI	4.9L 5.0L 5.8L 6.6L	63-68 68-86 69-95 71-86	4.000"	8	.031 1/16 3/16		T3100 TL3100	CR3100 CRL3100	STD LOW	R R	5 25 35 65

### PREFIX LEGEND:

#### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street / race  
**MS** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension

#### (continued)

**MT** TNT  
**MTL** TNT, low tension

#### Gapless® 2<sup>nd</sup> ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension

#### (continued)

**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race

CONV = Conventional



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# Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown.

*See page 44 for set descriptions.*

## FORD-Lincoln, Mercury (continued)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
289CI 302CI 351CI 400CI	4.9L 5.0L 5.8L 6.6L	63-68 68-86 69-95 71-86	4.000"	8	.043 1/16 3/16	M4300 ML4300	T4300 TL4300	CR4300 CRL4300	STD LOW	R R	5 25 35 45 65
289CI 302CI 351CI 400CI	4.9L 5.0L 5.8L 6.6L	63-68 68-86 69-95 71-86	4.000"	8	1/16 1/16 3/16		S3690	C3690	STD	S	STD 5 20 30 35 40 60 65
289CI 302CI 351CI 400CI	4.9L 5.0L 5.8L 6.6L	63-68 68-86 69-95 71-86	4.000"	8	1/16 1/16 3/16	M3690 ML3690	T3690 TL3690	CR3690 CRL3690	STD LOW	S/R R	STD 5 10 15 20 25 30 35 40 45 55 60 65 80 85 95 105
289CI 302CI 351CI 400CI	4.9L 5.0L 5.8L 6.6L	63-68 68-86 69-95 71-86	4.000"	8	5/64 5/64 3/16		S9090	C9090	STD	S	STD 10 20 30 40 60 80
289CI 302CI 351CI 400CI	4.9L 5.0L 5.8L 6.6L	63-68 68-86 69-95 71-86	4.000"	8	5/64 5/64 3/16	M9090 ML9090	T9090 TL9090	CR9090 CRL9090	STD LOW	S/R R	STD 5 10 20 25 30 35 40 45 60 65 80 85
292CI		55-62	3.750"	8	5/64 5/64 3/16		S8650	C8650	STD	S	STD 10 20 30 40 60 80 100
302CI VIN-N 351CI VIN W	5.0L 5.8L	86-95 95-98	4.000"	8	1.5 1.5 4.0		S6434	C6434	STD	S	STD 20 30 40 60
302CI VIN-N 351CI VIN W	5.0L 5.8L	86-95 95-98	4.000"	8	1.5 1.5 4.0	M6434	T6434	CR6434	STD	S/R	STD 5 25 30 35 45 65
390CI		61-71	4.050"	8	5/64 3/32 3/16		S4750	C4750	STD	S	STD 10 20 30 40 60
32V TURBO POWER STROKE	6.0L	03-10	95.00MM 3.740"	8	2.3 2.0 3.44		S4914	CR4914	STD	S/R	STD 20 30 40
391CI IN ETJ 24V TURBO L6 VIN: A, L	6.4L	08-10	98.20MM 3.866"	8	2.5K 2.0 3.0		S1475	CR1475	STD	S/R	STD 20 30
406CI POWER STROKE 32V TURBO VIN: T	6.7L	11-12	99.1MM 3.900"	8	3.0K 2.0K 2.5		S3585	CR3585	STD	S/R	STD 20 40
390CI 410CI		66-67	4.050"	8	5/64 5/64 3/16		S4950 T4950	C4950 CR4950	STD	S S/R	STD 20 30 40 60
390CI 410CI		66-67	4.050"	8	1/16 1/16 3/16	M1006	T1006	CR1006	STD	S/R	5 35 65
406CI 428CI		62-63 66-70	4.130"	8	5/64 5/64 3/16		S5950 T5950	C5950 CR5950	STD STD	S S/R	STD 20 30 40 60
406CI 428CI		62-63 66-70	4.130"	8	1/16 1/16 3/16	M7560 ML7560	T7560 TL7560	CR7560 CRL7560	STD LOW	S/R R	STD 5 15 25 30 35 40 65
427CI		62-65	4.233"	8	5/64 3/32 3/16		S7850	C7850	STD	S	STD 20 30 40 60
427CI		62-65	4.233"	8	1/16 1/16 1/8	ML7155	TL7155	CRL7155	LOW	S/R	5 35

### PREFIX LEGEND:

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension

**CT** TNT  
**CTL** TNT, low tension

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race

CONV = Conventional



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## Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown

*See page 44 for set descriptions.*

### FORD-Lincoln, Mercury (continued)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
427CI		62-65	4.233"	8	1/16 1/16 3/16	M7190 ML7190	T7190 TL7190	CR7190 CRL7190	STD LOW	S/R R	5 35 65
429CI 460CI		68-98	4.360"	8	1/16 1/16 3/16	M2690 ML2690	T2690 TL2690	CR2690 CRL2690	STD LOW	S/R R	5 35 45 65
429CI 460CI		68-98	4.360"	8	5/64 5/64 3/16		S8950	C8950	STD	S	STD 20 30 35 40 60
429C, 460CI		68-98	4.360"	8	5/64 5/64 3/16	M8950	T8950	CR8950	STD	S/R	5 35 45 65
445CI NAVISTAR DIESEL NON-TURBO, SPECIAL GAP 2ND RING .062"-.072"	7.3L	89-95	104.4MM 4.110"	8	3.0 2.0 3.46		S1474	C1474	STD	S	STD 20 30 40
445CI NAVISTAR DIESEL TURBO, SPECIAL GAP 2ND RING .062"-.072"	7.3L	94-99	104.4MM 4.110"	8	3.0K 2.0 3.46		S2884	C2884	STD	S	STD 20 30 40
460CI SHALLOW OIL	7.5L	92-97	110.7MM 4.358"	8	2.0 2.0 4.0		S0474	C0474	STD	S	STD 20 30 40 60

### GM-Buick, Cadillac, Chevrolet Oldsmobile, Pontiac (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
GEO SPRINT, METRO, 3 RING PISTON VIN 2, 6, INC TURBO	1.0L	85-00	74.00MM 2.913"	3	1.2 1.5 2.8		X8024	CR8024	STD	S/R	STD 20 30 40
GEO VIN 9 SUZUKI 1300CC	1.3L	90-97	74.00MM 2.913"	4	1.2 1.5 2.8	MX8524	X8524	CR8524	STD	S/R	STD 20 30 40
GEO SUZUKI ENG	1.6L	89-96	75.00MM 2.953"	4	1.2 1.5 2.8	MX0464	X0464	CR0464	STD	S/R	STD 20 30 40
NOVA TOYOTA ENG	1.6L	83-89	81.00MM 3.189"	4	1.5 1.5 2.8		S0816	C0816	STD	S/R	STD 20 30 40
CHEVETTE	1.6L	76-83	82.00MM 3.228"	4	1.5 1.5 4.0		S3934 T3934	C3934 CR3934	STD STD	S S/R	STD 10 20 30 40 60
GEO TOYOTA ENG VIN 5	1.6L	90-97	81.00MM 3.189"	4	1.2 1.5 2.8	MX4864	X4864	CR4864	STD	S/R	STD 20 30 40
GEO STORM DOHC	1.6L	90-95	80.00MM 3.150"	4	1.2 1.2 3.0	MX7464	X7464	CR7464	STD	S/R	STD 20 30 40
PONT KOREAN ENG	1.6L	88-94	79.00MM 3.110"	4	1.2 1.5 3.0	MX2064	X2064	CR2064	STD	S/R	STD 20 30 40
116CI SATURN	1.9L	96-98	82.00MM 3.228"	4	1.2 1.5 3.0		X1984	CR1984	STD	S/R	STD 20 30 40
116CI SATURN	1.9L	91-94	82.00MM 3.228"	4	1.5 1.5 3.0		S5474	C5474	STD	S	STD 20 30 40

#### PREFIX LEGEND:

##### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street / race  
**MS** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension

##### (continued)

**MT** TNT  
**MTL** TNT, low tension

##### Gapless® 2<sup>nd</sup> ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension

##### (continued)

**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race

CONV = Conventional



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# Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown.

*See page 44 for set descriptions.*

## GM-Buick, Cadillac, Chevrolet Oldsmobile, Pontiac (continued)

MAKE/MODEL	YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
119CI CHEV, GMC	1.9L 83-85	87.00MM 3.425"	4	1.5 1.5 4.0	M9416	T9416	CR9416	STD	S/R	STD 20 30 40
121 CI CHEV, PONT VIN K, M, INCL TURBO	2.0L 87-05	86.00MM 3.386"	4	1.5 1.5 3.0	MX1064	T1064	CR1064	STD	S/R	STD 20 30 40
122CI VIN-1 134CI VIN-1 SHALLOW OIL	2.0L 87-89 2.2L 87-00	89.00MM 3.504"	4	1.5 1.5 3.0		T9026	CR9026	STD	S/R	STD 20 30 40 60
ECOTEC	2.2L 00-08	86.00MM 3.386"	4	1.2 1.5 2.5	M0315	T0315	CR0315	STD	S/R	STD 20 30 40
140CI QUAD 4 SHALLOW OIL	2.3L 87-95	92.00MM 3.622"	4	1.5 1.5 3.0		T8644	CR8644	STD	S/R	STD 10 20 30 40
146CI VIN-T	2.4L 96-00	90.00MM 3.543"	4	1.2 1.5 3.0	M8984	X8984	CR8984	STD	S/R	STD 20 30 40
153CI CHEV	62-70	3.875"	4	5/64 5/64 3/16		S5660	C5660	STD	S	STD 10 20 30 40 60
164CI CORVAIR	64-69	3.437"	6	1/16 1/16 1/8		T9660	CR9660	STD	S/R	STD 20 30 40 60
173CI VIN-W SHALLOW OIL	2.8L 87-95	89.00MM 3.504"	6	1.5 1.5 4.0	M6544	T6544	CR6544	STD	S/R	STD 20 30 40 60
189CI VIN- D, M, T, W SHALLOW OIL	3.1L 87-95	89.00MM 3.504"	6	1.5 1.5 4.0	M6544	T6544	CR6544	STD	S/R	STD 20 30 40 60
207CI	3.4L 91-97	92.00MM 3.622"	6	1.5 1.5 4.0		T9464	CR9464	STD	S/R	STD 20 30 40
207CI VIN E,F,X	3.4L 96-08	92.00MM 3.622"	6	1.2 1.5 3.0	M3094	T3094	CR3094	STD	S/R	STD 20 30 40
229CI CHEV	3.8L 80-85	3.736"	6	5/64 5/64 3/16		S7165	C7165	STD	S	STD 10 20 30 40 60
230CI CHEV	63-70	3.875"	6	5/64 5/64 3/16		S7660	C7660	STD	S	STD 10 20 30 40 60 80
231CI VIN-1, K	3.8L 96-05	96.50MM 3.799"	6	1.2 1.5 2.0	MX6684	X6684	CR6684	STD	S/R	STD 20 30 40
231CI 1, L	3.8L 93-95	96.50MM 3.799"	6	1.2 1.5 3.0		X4674	CR4674	STD	S/R	STD 20 30 40
231CI BUICK SHALLOW OIL	3.8L 87-95	96.50MM 3.799"	6	1.5 1.5 3.0		T8544	CR8544	STD	S/R	STD 20 30 40 60
231CI BUICK TURBO	3.8L 78-87	3.800"	6	5/64 5/64 3/16	M2165	T2165	CR2165	STD	S/R	STD 5 25 30 35 45 65
231CI BUICK TURBO	3.8L 78-87	3.800"	6	1/16 1/16 3/16	M5899 ML5899	T5899 TL5899	CR5899 CRL5899	STD LOW	S/R R	5 15 20 25 35
231CI VIN 1,2,4,K	3.8L 96-08	96.50MM 3.800"	6	1.2 1.5 2.0	M6684	T6684	CR6684	STD	S/R	STD 20 30 40
235CI CHEV	54-62	3.562"	6	3/32 3/32 3/16		S6310	C6310	STD	S	STD 10 20 30 40 60 80 100
250CI CHEV	63-84	3.875"	6	5/64 5/64 3/16		S7660 T7660	C7660 CR7660	STD STD	S S/R	STD 10 20 30 40 60 80

### PREFIX LEGEND:

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension

**CT** TNT  
**CTL** TNT, low tension

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race

CONV = Conventional



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# Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown

*See page 44 for set descriptions.*

## GM-Buick, Cadillac, Chevrolet Oldsmobile, Pontiac (continued)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
265CI CHEV		55-57	3.750"	8	5/64 5/64 3/16		S8650	C8650	STD	S	STD 10 20 30 40 60 80 100
283CI 307CI CHEV		57-67	3.875"	8	.043 1/16 3/16	M4306 ML4306	T4306 TL4306	CR4306 CRL4306	STD LOW	R R	35 65
283CI 307CI CHEV		57-67	3.875"	8	1/16 1/16 1/8		T1490	CR1490	STD	S/R	STD 5 30 35 40 60 65
283CI 307CI CHEV		57-67	3.875"	8	1/16 1/16 3/16	M1005	T1005	CR1005	STD	S/R	5 30 35 40 60 65
283CI 307CI CHEV		57-67	3.875"	8	5/64 5/64 3/16		S0660	C0660	STD	S	STD 10 20 30 40 60 80
300CI BUICK		64-67	3.750"	8	5/64 5/64 3/16		S8650	C8650	STD	S	STD 10 20 30 40 60 80 100
294CI	4.8L	99-08	96.00MM 3.780"	8	1.5 1.5 3.0	M8794	T8794	CR8794	STD	S/R	STD 10 20 30 40
301CI PONT	4.9L	77-79	4.000"	8	5/64 5/64 3/16		S9090 T9090	C9090 CR9090	STD STD	S S/R	STD 10 20 30 40 60 80
305CI CHEV	5.0L	76-94	3.736"	8	1/16 1/16 3/16	M4920 ML4920	T4920 TL4920	CR4920 CRL4920	STD LOW	S/R R	5 35
305CI CHEV	5.0L	76-94	3.736"	8	5/64 5/64 3/16		S9945 T9945	C9945 CR9945	STD STD	S S/R	STD 10 20 30 40 60
307CI OLDS	5.0L	81-90	3.800"	8	5/64 5/64 3/16		S6960	C6960	STD	S	STD 10 20 30 40 60
340CI BUICK		66-67	3.750"	8	5/64 5/64 3/16		S8650	C8650	STD	S	STD 10 20 30 40 60 80 100
348CI CHEV		58-63	4.125"	8	5/64 5/64 3/16		S0190 T0190	C0190 CR0190	STD STD	S S/R	STD 10 20 30 40 60
323CI	5.3L	99-08	96.00MM 3.780"	8	1.5 1.5 3.0	M8794	T8794	CR8794	STD	S/R	STD 10 20 30 40
302CI CHEV 327CI 350CI		67-69 62-69 67-85	4.000"	8	.031 1/16 3/16		T3100 TL3100	CR3100 CRL3100	STD LOW	R R	5 25 35 65
302CI CHEV 327CI 350CI		67-69 62-69 67-85	4.000"	8	.043 1/16 3/16	M4300 ML4300	T4300 TL4300	CR4300 CRL4300	STD LOW	R R	5 25 35 45 65
302CI CHEV 327CI 350CI		67-69 62-69 67-85	4.000"	8	1/16 1/16 1/8		S0390	C0390	STD	S	STD 30 40 60
302CI CHEV 327CI 350CI		67-69 62-69 67-85	4.000"	8	1/16 1/16 1/8	M0390	T0390	CR0390	STD	S/R	STD 5 25 30 35 40 45 60 65
302CI CHEV 327CI 350CI		67-69 62-69 67-85	4.000"	8	1/16 1/16 3/16		S3690	C3690	STD	S	STD 5 20 30 35 40 60 65

### PREFIX LEGEND:

#### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street / race  
**MS** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension

#### (continued)

**MT** TNT  
**MTL** TNT, low tension

#### Gapless® 2<sup>nd</sup> ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension

#### (continued)

**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race

CONV = Conventional



**If you don't see it, call us,  
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# Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown.

*See page 44 for set descriptions.*

## GM-Buick, Cadillac, Chevrolet Oldsmobile, Pontiac (continued)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
302CI CHEV 327CI 350CI		67-69 62-69 67-85	4.000"	8	1/16 1/16 3/16	M3690 ML3690	T3690 TL3690	CR3690 CRL3690	STD LOW	S/R R	STD 5 10 15 20 25 30 35 40 45 55 60 65 80 85 95 105
302CI CHEV 327CI 350CI INC ZZZ, ZZ1, ZZ2 ZZ3 & 350HO CRATE ENGS		67-69 62-69 67-85	4.000"	8	5/64 5/64 3/16		S9090	C9090	STD	S	STD 10 20 30 40 60 80
302CI CHEV 327CI 350CI INC ZZZ, ZZ1, ZZ2 ZZ3 & 350HO CRATE ENGS		67-69 62-69 67-85	4.000"	8	5/64 5/64 3/16	M9090 ML9090	T9090 TL9090	CR9090 CRL9090	STD LOW	S/R R	STD 5 10 20 25 30 35 40 45 60 65 80 85
346CI LS1, LS6 VIN-G	5.7L	97-04	99.00MM 3.898"	8	1.5 1.5 3.0	M7984	T7984	CR7984	STD	S/R	STD 5 15
350CI VORTEC SHALLOW OIL	5.7L	96-97	101.6MM 4.000"	8	1.5 1.5 3.0		S0684	C0684	STD	S	STD 20 30 40 60
350CI LT1, LT4 VIN R, P, 5, 7, ZZ4 SHALLOW OIL	5.7L	90-00	101.6MM 4.000"	8	2.0 1.5 4.0	M6264	S6264 T6264	C6264 CR6264	STD STD	S S/R	STD 10 20 30 40 60
350CI VIN K SHALLOW OIL	5.7L	86-96	4.000"	8	5/64 5/64 3/16	M5165	S5165 T5165	C5165 CR5165	STD STD	S S/R	STD 20 30 40 60
350CI OLDS DIESEL	5.7L	78-85	4.058"	8	5/64 5/64 3/16		S0165	C0165	STD	S	STD 10 20 30 40
350CI BUICK	5.7L	68-80	3.800"	8	5/64 5/64 3/16		S6960	C6960	STD	S	STD 10 20 30 40 60
350CI OLDS	5.7L	68-80	4.058"	8	5/64 5/64 3/16		S7960	C7960	STD	S	STD 20 30 40 60
350CI PONT	5.7L	68-77	3.875"	8	5/64 5/64 3/16		S0660	C0660	STD	S	STD 10 20 30 40 60 80
364CI VIN U	6.0L	99-00	101.60MM 4.000"	8	1.5 1.5 3.0		S0684	C0684	STD	S	STD 20 30 40 60
LS2	6.0L	05-06	4.000"	8	1.5 1.5 2.5	MS5701	TS5701	CS5701	STD	S/R	5
LS2 CHEV	6.0L	07-08	4.000"	8	1.2 1.5 2.5	MS4712	TS4712	CS4712	STD	S/R	5
LS3 L92	6.2L		103.25MM 4.065"	8	1.5 1.5 2.5	M2925	T2925	CR2925	STD	S/R	STD 10 20 30 40
LSA LS9	6.2L		103.25MM 4.065"	8	1.5 1.2 2.0	MS4715	TS4715	CS4715	STD	S/R	5
379CI DIESEL INCL TURBO	6.2L	82-95	3.978"	8	3.0K 2.0 4.0		S5565	C5565	STD	S	STD 20 30 40 60
379CI DIESEL VIN F, S, Y INCL TURBO	6.5L	92-00	4.055"	8	3.0K 2.0 4.0		S4474	C4474	STD	S	STD 20 30 40
370CI PONT 389CI PONT		58-66	4.062"	8	5/64 5/64 3/16		S9360	C9360	STD	S	STD 20 40 60
396CI CHEV 421CI PONT		65-69 63-66	4.093"	8	5/64 5/64 3/16	M1460	S1460 T1460	C1460 CR1460	STD STD	S S/R	STD 20 30 40 60
396CI CHEV 421CI PONT		65-69 63-66	4.093"	8	1/16 1/16 3/16	M0355	T0355	CR0355	STD	S/R	5 35 65

### PREFIX LEGEND:

#### Conventional sets

- C** Classic
- CR** Classic Race
- CRL** Classic Race, low tension
- CRG** Classic Race, gold power low tension
- CS** Classic Steel top
- CSL** Classic Steel top, low tension
- CSG** Classic Steel top, gold power low tension

- CT** TNT
- CTL** TNT, low tension

#### USE

- S** Street
- R** Race
- S/R** Street or Race

CONV = Conventional



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# Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown

*See page 44 for set descriptions.*

## GM-Buick, Cadillac, Chevrolet Oldsmobile, Pontiac (continued)

MAKE/MODEL	YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
LS7	7.0L 05-06	4.125"	8	1.2 1.2 2.0	MS4710	TS4710	CS4710	STD	S/R	5 15 25 35
DURAMAX DIESEL	6.6L 01-UP 4.055"	103.00MM	8	3.0K 2.0 3.0		S9091	CR9091	STD	S/R	STD 10 20 30 40 60
400CI SBC 402CI BBC 425CI OLDS 455CI OLDS	70-80 70-73 65-76 68-76	4.125"	8	.031 1/16 3/16		T3106 TL3106	CR3106 CRL3106	STD LOW	R R	5 35 65
400CI SBC 402CI BBC 425CI OLDS 455CI OLDS	70-80 70-73 65-76 68-76	4.125"	8	.043 1/16 3/16	M4301 ML4301	T4301 TL4301	CR4301 CRL4301	STD LOW	R R	5 35 65
400CI SBC 402CI BBC 425CI OLDS 455CI OLDS	70-80 70-73 65-76 68-76	4.125"	8	1/16 1/16 3/16		S0690	C0690	STD	S	5 25 30 35 45 60 65
400CI SBC 402CI BBC 425CI OLDS 455CI OLDS	70-80 70-73 65-76 68-76	4.125"	8	1/16 1/16 3/16	M0690 ML0690	T0690 TL0690	CR0690 CRL0690	STD LOW	S R	STD 5 10 15 20 25 30 35 40 45 55 60 65
400CI SBC 402CI BBC 425CI OLDS 455CI OLDS	70-80 70-73 65-76 68-76	4.125"	8	5/64 5/64 3/16		S0190	C0190	STD	S	STD 10 20 25 30 35 40 45 60 65
400CI SBC 402CI BBC 425CI OLDS 455CI OLDS	70-80 70-73 65-76 68-76	4.125"	8	5/64 5/64 3/16	M0190 ML0190	T0190 TL0190	CR0190 CRL09090	STD LOW	S/R R	STD 5 30 35 40 45 60 65
400CI PONT 428CI PONT	6.6L 67-79 7.0L 67-77	4.121"	8	5/64 5/64 3/16		S4460 T4460	C4460 CR4460	STD STD	R S/R	STD 10 20 30 40 60
400CI PONT 428CI PONT	6.6L 67-79 7.0L 67-77	4.121"	8	1/16 1/16 1/8	M5490	T5490	CR5490	STD	S/R	5 30 35 60 65
400CI PONT 428CI PONT	6.6L 67-79 7.0L 67-77	4.121"	8	1/16 1/16 3/16	M1008 ML1008	T1008 TL1008	CR1008 CRL1008	STD LOW	S/R R	5
400CI BUICK	67-69	4.040"	8	5/64 5/64 3/16		S4960	C4960	STD	S	STD 20 30 40 60
400CI BUICK	67-69	4.040"	8	1/16 1/16 3/16	M7590 ML7590	T7590 TL7590	CR7590 CRL7590	STD LOW	S/R R	5 35 40 45 65
400CI OLDS	65-67	4.000"	8	5/64 5/64 3/16		S9090	C9090	STD	S	STD 5 20 30 35 40 60 65
403CI OLDS	6.6L 77-79	4.351"	8	5/64 5/64 3/16		S4544	C4544	STD	S	STD 10 20 30 40 60
409CI CHEV	62-65	4.312"	8	5/64 5/64 3/16		S5460	C5460	STD	S	STD 20 30 40 60
425CI BUICK 455CI BUICK	63-66 70-76	4.312"	8	5/64 5/64 3/16		S5460	C5460	STD	S	STD 20 30 40 60
427CI CHEV 454CI CHEV	66-69 70-90	4.250"	8	.031 1/16 3/16		T3102 TL3102	CR3102 CRL3102	STD LOW	R R	5 35 65 130 255
427CI CHEV 454CI CHEV	66-69 70-90	4.250"	8	.043 1/16 3/16	M4302 ML4302	T4302 TL4302	CR4302 CRL4302	STD LOW	S/R R	5 35 65 130 195 255 285

CONV = Conventional

### PREFIX LEGEND:

#### Gapless® top ring sets

- M** Maxseal, street / race
- ML** Maxseal, low tension, race
- MG** Maxseal, gold power low tension, race
- MX** Maxseal Xtreme, Sport compact, street / race
- MS** Maxseal Steel top
- MSL** Maxseal Steel top, low tension
- MSG** Maxseal Steel top, gold power low tension

#### (continued)

- MT** TNT
- MTL** TNT, low tension

#### Gapless® 2nd ring sets

- S** Street
- CL** Claimer (cast moly top ring)
- T** TS1 Street / Race
- TL** TS1 Race, low tension

#### (continued)

- TG** TS1 Race, gold power low tension
- TS** TS1 Steel top
- TSL** TS1 Steel top, low tension
- TSG** TS1 Steel top, gold power low tension
- TT** TNT
- TTL** TNT, low tension
- X** Xtreme, Sport compact, street / race



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## Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown.

*See page 44 for set descriptions.*

### GM-Buick, Cadillac, Chevrolet Oldsmobile, Pontiac (continued)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
427CI CHEV 454CI CHEV		66-69 70-90	4.250"	8	1/16 1/16 3/16		S9190	C9190	STD	S	STD 5 30
427CI CHEV 454CI CHEV		66-69 70-90	4.250"	8	1/16 1/16 3/16	M9190 ML9190	T9190 TL9190	CR9190 CRL9190	STD LOW	S/R R	STD 5 25 30 60 65 105 130 150 195 225 255 285
427CI CHEV 454CI CHEV		66-69 70-90	4.250"	8	5/64 5/64 3/16		S2090	C2090	STD	R	STD 5 20 30 35 40 60
427CI CHEV 454CI CHEV		66-69 70-90	4.250"	8	5/64 5/64 3/16	M2090 ML2090	T2090 TL2090	CR2090 CRL2090	STD LOW	S/R	STD 5 30 35 45 60 65
454CI VIN-J, N, B SHALLOW OIL	7.4L	91-00	4.250"	8	5/64 5/64 3/16		S8174	C8174	STD	S	STD 10 20 30 40 60
455CI PONT		70-76	4.151"	8	5/64 1/16 3/16		S3460 T3460	C3460 CR3460	STD STD	S S/R	STD 20 30 40 60
455CI PONT		70-76	4.151"	8	1/16 1/16 3/16	M3455 ML3455	T3455 TL3455	CR3455 CRL3455	STD LOW	S/R R	5 30 35 40 45 65
472CI CAD 500CI CAD		68-74 70-76	4.300"	8	5/64 5/64 3/16		S5960	C5960	STD	S	STD 10 20 30 40 60
502CI CHEV		ALL	4.466"	8	2.0 1.5 4.0	M5750	T5750	CR5750	STD	S/R	5 30 60
496CI VIN G,K,L,M	8.1L	01-05	107.95MM 4.250"	8	2.0 2.0 4.0	M5805	T5805	CR5805	STD	S/R	STD 10 20 30 40 60

### HONDA (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
CRX HF EJ2, EW1 D15A2		87-91	74.00MM 2.913"	4	1.0 1.2 2.8		X3634	CR3634	STD	S/R	STD 20 30 40
D15A2, EM1 EXC HF, EW1		83-87	74.00MM 2.913"	4	1.2 1.2 2.8	MX3716	X3716	CR3716	STD	S/R	STD 10 20 30 40
D15B1, B2, B7, B8, 16 VALVE D16A6, D16Z6 D15Z1		88-95 88-95 92-97	75.00MM 2.953"	4	1.2 1.5 2.8	MX0464	X0464	CR0464	STD	S/R	STD 20 30 40
D15B6 8 VALVE D16Y	1.6L	88-92 96-99	75.00MM 2.953"	4	1.0 1.2 2.8	MX0964	X0964	CR0964	STD	S/R	STD 20 30 40
DELSOL, CIVIC Si V-TEC B16A, A1 A2	1.6L	95-99	81.00MM 3.189"	4	1.0 1.2 2.8	MX6664	X6664	CR6664	STD	S/R	STD 20 30 40
1668CC D17A1 D17A2/6 VTEC	1.7L	01-05	75.00MM 2.953"	4	1.0 1.2 2.0	M1115	T1115	CR1115	STD	S/R	STD 10 20 30 40
ACCORD PRELUDE EK1, EL1, 1751CC		79-83	77.00MM 3.031"	4	1.5 1.5 4.0		T4316	CR4316	STD	S/R	STD 10 20 30 40
ACCORD,PRELUDE ES1, ES2 ES3, ET2, 1829CC		83-87	80.00MM 3.150"	4	1.5 1.5 4.0		T7716	CR7716	STD	S/R	STD 20 30 40
ACCORD BS, BT 1955CC	2.0L	85-89	82.70MM 3.256"	4	1.5 1.5 4.0	M9944	T9944	CR9944	STD	S/R	STD 20 30 40
PRELUDE B20A3, B20A5 1958CC		88-93	81.00MM 3.189"	4	1.2 1.5 2.8		X8564	CR8564	STD	S/R	STD 20 30 40

CONV = Conventional

#### PREFIX LEGEND:

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension

**CT** TNT  
**CTL** TNT, low tension

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race



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# Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown

*See page 44 for set descriptions.*

## HONDA (continued)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
PRELUDE B21A1, 16 VALVE 2056CC		90-91	83.00MM 3.268"	4	1.2 1.2 2.8	MX9374	X9374	CR9374	STD	S/R	STD 20 30 40
ACCORD F22A1, F22A4, F22B1, 2156CC	2.2L	90-97	85.00MM 3.346"	4	1.2 1.2 2.8	MX4564	X4564	CR4564	STD	S/R	STD 20 30 40
2.2 VTECH 22A4, H23A1 2259CC		92-00	87.00MM 3.425"	4	1.2 1.2 2.8	MX7674	X7674	CR7674	STD	S/R	STD 20 30 40
K20A3 CIVIC RSX	2.0L	02-06	86.00MM 3.386"	4	1.2 1.2 2.0	M9805	X9805	CR9805	STD	S/R	STD

## HYUNDAI (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
1500CC SOHC G4EK	1.5L	93-00	75.50MM 2.972"	4	1.5 1.5 3.0		T2874	CR2874	STD	S/R	STD 10 20 30 40
ELANTRA G4DM DOHC 16 VALVE	1.8L	96-UP	81.50MM 3.209"	4	1.2 1.5 3.0	MX0774	X0774	CR0774	STD	S/R	STD 20 30 40
2351CC SONATA G64B	2.4L	89-93	86.50MM 3.406"	4	1.5 1.5 4.0		T8364	CR8364	STD	S/R	STD 20 30 40
2972CC G6AT	3.0L	90-98	91.00MM 3.583"	6	1.5 1.5 4.0		T3544	CR3544	STD	S/R	STD 10 20 30 40 60

## INFINITI (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
SR20D, G20	2.0L	91-00	86.00MM 3.386"	4	1.5 1.5 3.0		T1064	CR1064	STD	S/R	STD 20 30 40
VG30E, VG30DE, M30, J30	2.9L	90-95	87.00MM 3.425"	6	1.5 1.5 2.8	M6916	T6916	CR6916	STD	S/R	STD 20 30 40
3498CC G35,I35, QX4 DOHC	3.5L	01-07	95.50MM 3.760"	6	1.2 1.2 2.5	M2115	T2115	CR2115	STD	S/R	STD 20 30 40

## ISUZU (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
1588CC 4XE1	1.6L	88-93	80.00MM 3.150"	4	1.2 1.2 3.0	MX7464	X7464	CR7464	STD	S/R	STD 20 30 40
1809CC 4XF1	1.8L	92-93	80.00MM 3.150"	4	1.2 1.2 3.0	MX7464	X7464	CR7464	STD	S/R	STD 20 30 40
2000CC ZNG200 IMPULSE	2.0L	83-86	87.00MM 3.425"	4	1.5 1.5 4.0		T7024	CR7024	STD	S/R	STD 10 20 30 40

### PREFIX LEGEND:

#### Gapless® top ring sets

- M** Maxseal, street / race
- ML** Maxseal, low tension, race
- MG** Maxseal, gold power low tension, race
- MX** Maxseal Xtreme, Sport compact, street / race
- MS** Maxseal Steel top
- MSL** Maxseal Steel top, low tension
- MSG** Maxseal Steel top, gold power low tension

#### (continued)

- MT** TNT
- MTL** TNT, low tension
- Gapless® 2nd ring sets**
- S** Street
- CL** Claimer (cast moly top ring)
- T** TS1 Street / Race
- TL** TS1 Race, low tension

#### (continued)

- TG** TS1 Race, gold power low tension
- TS** TS1 Steel top
- TSL** TS1 Steel top, low tension
- TSG** TS1 Steel top, gold power low tension
- TT** TNT
- TTL** TNT, low tension
- X** Xtreme, Sport compact, street / race

CONV = Conventional



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# Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown.

*See page 44 for set descriptions.*

## ISUZU (continued)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
2197CC HOMBRE LN2	2.2L	96-99	89.00MM 3.504"	4	1.5 1.5 3.0		T9026	CR9026	STD	S/R	STD 20 30 40 60
3097CC RODEO	3.1L	91-93	89.00MM 3.504"	6	1.5 1.5 4.0	M6544	T6544	CR6544	STD	S/R	STD 20 30 40 60

## JAGUAR (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
MARK VII, XK120, XK140, XK150 3 RING PISTON	2.4L 3.4L	49-64	83.00MM 3.268"	6	2.0 2.0 4.0		S2875	C2875	STD	S	STD 20 30 40 60
MARK IX, MARK X, XK-E	3.8L	59-68	3.425"	6	5/64 5/64 5/32		S7595	C7595	STD	S	STD 20 30 40 60
XJ6, MARK I & II DEEP OIL	4.2L	70-91	3.622"	6	5/64 5/64 3/16	M0086	T0086	CR0086	STD	S/R	STD 10 20 30 40
XK-E DEEP OIL RING	4.2L	64-71	3.622"	6	5/64 5/64 3/16	M0086	T0086	CR0086	STD	S/R	STD 10 20 30 40

## JEEP-EAGLE (additional application available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
122CI EAGLE DOHC INCL TURBO	2.0L	90-93	85.00MM 3.346"	4	1.2 1.5 3.0	MX3164	X3164	CR3164	STD	S/R	STD 20 30 40
122CI DOHC 4G63	2.0L	93-98	85.00MM 3.346"	4	1.2 1.5 3.0	MX8674	X8674	CR8674	STD	S/R	STD 20 30 40
146CI VIN-T	2.4L	92-93	86.50MM 3.406"	4	1.5 1.5 4.0		T8364	CR8364	STD	S/R	STD 20 30 40
150CI EAGLE	2.5L	83-95	3.875"	4	5/64 5/64 3/16		S5660	C5660	STD	S	STD 10 20 30 40 60
225CI 232CI		66-71 66-83	3.750"	6	5/64 5/64 3/16		S6560	C6560	STD	S	STD 10 20 30 40 60
242CI	4.0L	86-95	3.875"	6	5/64 5/64 3/16		S7660	C7660	STD	S	STD 10 20 30 40 60 80
258CI	4.2L	71-90	3.750"	6	5/64 5/64 3/16		S6560	C6560	STD	S	STD 10 20 30 40 60
304CI	5.0L	71-81	3.750"	8	5/64 5/64 3/16		S8650	C8650	STD	S	STD 10 20 30 40 60 80 100
327CI		66-68	4.000"	8	5/64 5/64 3/16	M9090	S9090 T9090	C9090 CR9090	STD S/R	S	STD 10 20 30 40 60 80
350CI		68-71	3.800"	8	5/64 5/64 3/16		S6960	C6960	STD	S	STD 20 30 40 60
360CI	5.9L	94-95	101.6MM 4.000"	8	1.5 1.5 4.0	M6434	S6434 T6434	C6434 CR6434	STD STD	S S/R	STD 10 20 30 40 60
360CI	5.9L	71-94	4.080"	8	5/64 5/64 3/16		S3960	C3960	STD	S	STD 20 30 40 60
401CI		74-77	4.165"	8	5/64 5/64 3/16	M2760	S2760 T2760	C2760 CR2760	STD STD	S S/R	STD 20 30 40 60

CONV = Conventional

### PREFIX LEGEND:

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension

**CT** TNT  
**CTL** TNT, low tension

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race



**If you don't see it, call us,  
WE CAN DO IT!**

# Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown

*See page 44 for set descriptions.*

## KIA (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
1839CC	1.8L	94-97	83.00MM 3.268"	4	1.5 1.5 3.0	M1564	T1564	CR1564	STD	S/R	STD 20 30 40
2000CC 3FE, SPORTAGE	2.0L	94-02	86.00MM 3.386"	4	1.5 1.5 4.0		T4665	CR4665	STD	S/R	STD 10 20 30 40 60

## LEXUS (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
2959CC ES300, 3VZFE	3.0L	92-93	87.50MM 3.445"	6	1.5 1.5 4.0		T9864	CR9864	STD	S/R	STD 20 30 40
2997CC 2JZGE, 2JZGTE	3.0L	92-04	86.00MM 3.386"	6	1.5 1.5 4.0		T3174	CR3174	STD	S/R	STD 10 20 30 40
3969CC LS400, 1UZFE	4.0L	90-98	87.50MM 3.445"	8	1.5 1.5 3.0		T8764	CR8764	STD	S/R	STD 20 30 40

## M.G. (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
1275CC MIDGET MK III 1300		67-74	2.780"	4	1/16 1/16 1/16 5/32		S2086	C2086	STD	S	STD 20 30 40 60
1500CC MIDGET MARK III		75-79	2.900"	4	1/16 1/16 5/32		S0486	C0486	STD	S	STD 20 30 40
1800CC MGB 3 RING PISTON		72-79	3.160"	4	1/16 1/16 5/32		S6259	C6259	STD	S	STD 20 40
1800CC MGB 4 RING PISTON		63-71	3.160"	4	1/16 1/16 1/16 5/32		S8376	C8376	STD	S	STD 20 30 40

## MAZDA (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
1586CC,1796CC 618, 808 1597CC 323, B6 TURBO 1597CC NA, VB, 616, 808 1800CC 618, 1800 PU	1.6L 1.8L	71-78 86-94 77-78 77-78	78.00MM 3.071"	4	1.5 1.5 4.0	M5624	T5624	CR5624	STD	S/R	STD 10 20 30 40 60
1597CC B6Y2, MX3	1.6L	90-94	78.00MM 3.071"	4	1.5 1.5 3.0	M7374	T7374	CR7374	STD	S/R	STD 20 30 40
1839CC 323 BP, BP01 SOHC, DOHC, MIATA VIN 6, P	1.8L	90-05	83.00MM 3.268"	4	1.5 1.5 3.0	M1564	T1564	CR1564	STD	S/R	STD 20 30 40
1991CC MX6, 626 DOHC	2.0L	93-03	83.00MM 3.268"	4	1.2 1.5 3.0	MX9474	X9474	CR9474	STD	S/R	STD 20 30 40
1998, 2184CC FE, F2, F8, 626 B2000 TURBO	2.0L 2.2L	83-87 88-93	86.00MM 3.386"	4	1.5 1.5 4.0		T4665	CR4665	STD	S/R	STD 10 20 30 40 60

### PREFIX LEGEND:

#### Gapless® top ring sets

- M** Maxseal, street / race
- ML** Maxseal, low tension, race
- MG** Maxseal, gold power low tension, race
- MX** Maxseal Xtreme, Sport compact, street / race
- MS** Maxseal Steel top
- MSL** Maxseal Steel top, low tension
- MSG** Maxseal Steel top, gold power low tension

#### (continued)

- MT** TNT
- MTL** TNT, low tension

#### Gapless® 2<sup>nd</sup> ring sets

- S** Street
- CL** Claimer (cast moly top ring)
- T** TS1 Street / Race
- TL** TS1 Race, low tension

#### (continued)

- TG** TS1 Race, gold power low tension
- TS** TS1 Steel top
- TSL** TS1 Steel top, low tension
- TSG** TS1 Steel top, gold power low tension
- TT** TNT
- TTL** TNT, low tension
- X** Xtreme, Sport compact, street / race

CONV = Conventional



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# Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown.

*See page 44 for set descriptions.*

## MAZDA (continued)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
2300CC B2300 PU	2.3L	94-97	96.00MM 3.780"	4	1.5 1.5 4.0	M1675	T1675	CR1675	STD	S/R	STD 20 30 40 60
2497CC MX6, KL, 626	2.5L	93-02	84.50MM 3.327"	6	1.5 1.5 3.0		T0574	CR0574	STD	S/R	STD 20 30 40
2555CC B2600 PU		87-88	91.10MM 3.587"	4	1.5 1.5 4.0	M7665	T7665	CR7665	STD	S/R	STD 10 20 30 40
2605CC B2600 PU	2.6L	89-94	92.00MM 3.622"	4	1.5 1.5 4.0	M6124	S6124 T6124	C6124 CR6124	STD STD	S S/R	STD 10 20 30 40 60

## MERCEDES-BENZ (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
300, 300SE, 300SL		56-64	85.00MM 3.346"	6	2.0 2.5 3.0 5.0		S4076	C4076	STD	S	STD 20 40
450SE, SEL, SL, SLC	3.5L 4.5L	69-UP	92.00MM 3.622"	8	1.75 2.5 4.0		S0945	C0945	STD	S	STD

## MITSUBISHI (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
4G93	1.8L	92-02	81.00MM 3.189"	4	1.2 1.2 2.8	MX9674	X9674	CR9674	STD	S/R	STD 20 30 40
1997CC ECLIPSE, A588	2.0L	94-99	87.50MM 3.445"	4	1.2 1.2 3.0	MX9574	X9574	CR9574	STD	S/R	STD 20 30 40
4G63 DOHC 16 VALVE INCL TURBO SHALLOW OIL	2.0L	05/92 -94	85.00MM 3.346"	4	1.2 1.5 3.0	MX8674	X8674	CR8674	STD	S/R	STD 20 30 40
4G63 DOHC 16 VALVE INCL TURBO SHALLOW OIL	2.0L	95-99	85.00MM 3.346"	4	1.2 1.5 2.8	MX3394	X3394	CR3394	STD	S/R	STD 20 30 40
GTX, DOHC TURBO	2.0L	88- 04/92	85.00MM 3.346"	4	1.2 1.5 3.0	MX3164	X3164	CR3164	STD	S/R	STD 20 30 40
4G63, G63B SOHC	2.0L	83-93	85.00MM 3.346"	4	1.5 1.5 4.0	M9986	T9986	CR9986	STD	S/R	STD 20 30 40 60
4G63 EVO 8	2.0L	03-05	85.00MM 3.346"	4	1.2 1.2 2.0	M4713	T4713	CR4713	STD	S/R	STD 20
G64B, 4G64		85-92	86.50MM 3.406"	4	1.5 1.5 4.0		T8364	CR8364	STD	S/R	STD 20 30 40
GALANT RDS2, 4G64 16 VALVE	2.4L	93-04	86.50MM 3.406"	4	1.2 1.5 2.8		X0874	CR0874	STD	S/R	STD 20 30 40
4G54		04/83 -89	91.10MM 3.587"	4	1.5 1.5 4.0	M7665	T7665	CR7665	STD	S/R	STD 10 20 30 40
4G54		82- 03/83	91.10MM 3.587"	4	2.0 2.0 4.0		T5955	CR5955	STD	S/R	STD 10 20 30 40 60

### PREFIX LEGEND:

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension

**CT** TNT  
**CTL** TNT, low tension

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race

CONV = Conventional



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# Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown

*See page 44 for set descriptions.*

## MITSUBISHI (continued)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
6G72 DIAMANTE 3000 GT INC TURBO	3.0L	90-04	91.10MM 3.587"	6	1.2 1.5 3.0	MX0764	X0764	CR0764	STD	S/R	STD 20 30 40
6G72 MONTERO, PICK UP	3.0L	87-04	91.00MM 3.583"	6	1.5 1.5 4.0		T3544	CR3544	STD	S/R	STD 10 20 30 40 60

## NISSAN (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
CA16S		83-UP	78.00MM 3.071"	4	1.5 1.5 4.0	M5624	T5624	CR5624	STD	S/R	STD 10 20 30 40 60
200SX, NAP-Z, Z20		80-84	85.00MM 3.346"	4	1.5 1.5 4.0	M9986	T9986	CR9986	STD	S/R	STD 20 30 40 60
STANZA NAP X CA20E, CA20S		82-88	84.50MM 3.327"	4	1.5 1.5 4.0		T6516	CR6516	STD	S/R	STD 20 30 40
SR20DE VIN G	2.0L	91-00	86.00MM 3.386"	4	1.5 1.5 3.0		T1064	CR1064	STD	S/R	STD 20 30 40
200SX, Z22, Z22E		81-84	87.00MM 3.425"	4	1.5 1.5 4.0	M9416	T9416	CR9416	STD	S/R	STD 20 30 40
240SX, KA24D, KA24E, KA24DE	2.4L	89-98	89.00MM 3.504"	4	1.5 1.5 2.8	M0664	T0664	C00664	STD	S	STD 20 30 40
240SX, Z24i, 720, D21		85-90	89.00MM 3.504"	4	2.0 1.5 4.0	M2544	T2544	CR2544	STD	S/R	STD 20 30 40
Z24		83-84	89.00MM 3.504"	4	1.5 1.5 4.0		T3765	CR3765	STD	S/R	STD 20 30 40
MAXIMA 810, L24E-2		82-85	83.00MM 3.268"	6	1.5 1.5 4.0	M2616	T2616	CR2616	STD	S/R	STD 20 30 40
L24, L26, 240Z, 260Z, 810		70-80	83.00MM 3.268"	6	2.0 2.0 4.0	M6586	T6586	CR6586	STD	S/R	STD 10 20 30 40
280ZX, L28E, L28ET W/O TURBO		81-83	86.00MM 3.386"	6	1.5 2.0 4.0		T2416	CR2416	STD	S/R	STD 20 30 40
280ZX TURBO		81-83	86.00MM 3.386"	6	1.5 2.0 4.0		T0516	CR0516	STD	S/R	STD 20 30 40
280Z, 280ZX, L28E	2.8L	75-80	86.00MM 3.386"	6	2.0 2.0 4.0		T4934	CR4934	STD	S/R	STD 20 30 40
300ZX, VG30E, VG30DE VG30DETT INCL TURBO	3.0L	84-98	87.00MM 3.425"	6	1.5 1.5 2.8	M6916	T6916	CR6916	STD	S/R	STD 20 30 40
VQ35DE	3.5L	01-07	95.5MM 3.760"	6	1.2 1.2 2.5	M2115	T2115	CR2115	STD	S/R	STD 20 30 40

### PREFIX LEGEND:

#### Gapless® top ring sets

- M** Maxseal, street / race
- ML** Maxseal, low tension, race
- MG** Maxseal, gold power low tension, race
- MX** Maxseal Xtreme, Sport compact, street /race
- MS** Maxseal Steel top
- MSL** Maxseal Steel top, low tension
- MSG** Maxseal Steel top, gold power low tension

#### (continued)

- MT** TNT
- MTL** TNT, low tension
- Gapless® 2<sup>nd</sup> ring sets**
- S** Street
- CL** Claimer (cast moly top ring)
- T** TS1 Street / Race
- TL** TS1 Race, low tension

#### (continued)

- TG** TS1 Race, gold power low tension
- TS** TS1 Steel top
- TSL** TS1 Steel top, low tension
- TSG** TS1 Steel top, gold power low tension
- TT** TNT
- TTL** TNT, low tension
- X** Xtreme, Sport compact, street / race

CONV = Conventional



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# Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown.

*See page 44 for set descriptions.*

## PORSCHE (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
356 A, B 1700 overbore	1.7L	62	85.00MM 3.386"	4	2.0 2.0 2.0 5.0		S5461 T5461	C5461 CR5461	STD STD	S S/R	STD
914	1.7L	71-73	90.00MM 3.543"	4	2.0 2.0 5.0		T5031	CR5031	STD	S/R	STD 10 20 40
914 BIG BORE	2.0L	ALL	96.00MM 3.780"	4	1.5 1.75 4.0		S6251	C6251	STD	S	STD
912E 914/4	2.0L 2.0L	76 72-75	94.00MM 3.701"	4	1.5 1.75 4.0		T0041	CR0041	STD	S/R	STD 20
924, S, 944, S INCL TURBO	2.5L	81-UP	100.0MM 3.937"	4	1.5 1.75 3.0		T2166	CR2166	STD	S/R	STD
CARRERA	2.7L	72-75	90.00MM 3.543"	6	1.5 1.5 4.0		T4541	CR4541	STD	S/R	STD
911SC 911 CARRERA	3.0L 3.2L	78-83 78-83	95.00MM 3.740"	6	1.5 1.75 3.5		T1980B	CR1980B	STD	S/R	STD
930 TURBO	3.3L	77-UP	97.00MM 3.819"	6	1.5 1.5 3.5		T9874	CR9874	STD	S/R	STD

## SUBARU (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
EA71, EA81, EA82, INCL TURBO		82-93	92.00MM 3.622"	4	1.2 1.5 4.0	MX7565	X7565	CR7565	STD	S/R	STD 10 20 30 40
EJ20 DOHC	2.0L	02-04	92.00MM 3.622"	4	1.2 1.2 2.5	M9315	T9315	CR9315	STD	S/R	STD 20 30 40
LEGACY EJ22E	2.2L	90-92	97.00MM 3.819"	4	1.2 1.5 3.0	MX7074	X7074	CR7074	STD	S/R	STD 20 30 40
EJ25 WRX Sti	2.5L	99-05	99.50MM 3.918"	4	1.2 1.2 2.5	M0415	T0415	CR0415	STD	S/R	STD 20 30 40
WRX Sti DOHC	2.5L	05-08	99.50MM 3.918"	4	1.2 1.2 2.0	M9125	T9125	CR9125	STD	S/R	STD 20 30 40

## TOYOTA (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
1456CC 3E	1.5L	87-94	73.00MM 2.874"	4	1.5 1.5 3.0	M3364	T3364	CR3364	STD	S/R	STD 10 20 30 40 60
1497CC 5EFE, DOHC PASEO	1.5L	93-98	74.00MM 2.913"	4	1.2 1.2 3.0	MX4774	X4774	CR4774	STD	S/R	STD 20 30 40
1587CC 5, 4AGE		90-93	81.00MM 3.189"	4	1.2 1.5 2.8	MX4864	X4864	CR4864	STD	S/R	STD 20 30 40

### PREFIX LEGEND:

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension

**CT** TNT  
**CTL** TNT, low tension

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race

CONV = Conventional



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# Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown

*See page 44 for set descriptions.*

## TOYOTA (continued)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
1587CC COROLLA, MR2 4A, 4AC, 4AE, 4AG, 4ALC		83-89	81.00MM 3.189"	4	1.5 1.5 2.8		S0816	C0816	STD	S	STD 20 30 40
1770CC COROLLA 3TC 12T, 13T		80-82	85.00MM 3.346"	4	1.5 1.5 4.0	MX9986	T9986	CR9986	STD	S/R	STD 20 30 40 60
1972CC 21R, CORONA	2.0L	70-78	84.00MM 3.307"	4	2.0 2.0 4.0		T7424	CR7424	STD	S/R	STD 10 20 30 40 60
1995CC CAMRY, 2SELC, 2RC		84-86	84.00MM 3.307"	4	1.5 1.5 4.0		T7124	CR7124	STD	S/R	STD 10 20 30 40
1998CC 3SGELC, 3SGTE MR2 TURBO	2.0L	86-95	86.00MM 3.386"	4	1.2 1.5 4.0	MX3564	T3564	CR3564	STD	S/R	STD 20 30 40
2164CC CAMRY 16 VALVE 5SFE DOHC	2.2L	92-98	87.00MM 3.425"	4	1.5 1.5 4.0		T7024	CR7024	STD	S/R	STD 10 20 30 40
2000CC CORONA MK2 CELICA, 18RC 2189CC 20R		72-75 75-80	88.50MM 3.484"	4	2.0 2.5 4.0		T6886	CR6886	STD	S/R	STD 10 20 30 40 60
2000CC CORONA MK2, 18RC 2189CC 20R SHALLOW OIL		72-75 75-80	88.50MM 3.484"	4	2.0 2.5 4.0		T3265	CR3265	STD	S/R	STD 10 20 30 40 60
2366CC 22R, 22RE, 22RGC 22RTEC		85-95	92.00MM 3.622"	4	1.5 1.5 4.0	M6124	S6124 T6124	C6124 CR6124	STD STD	S S/R	STD 10 20 30 40
2366CC 22R, 22REC, 43L		81-84	92.00MM 3.622"	4	2.0 2.5 4.0		T5465	CR5465	STD	S/R	STD 20 30 40
2954CC 5MGE, 5MGEV, 7MGE 7MGTE INCL TURBO		82-93	83.00MM 3.268"	6	1.5 1.5 4.0	M2616	T2616	CR2616	STD	S/R	STD 20 30 40
SUPRA 2JZGE, 2JZGTE INCL TURBO		93-98	86.00MM 3.385"	6	1.5 1.5 4.0	MX3174	T3174	CR3174	STD	S/R	STD 10 20 30 40
2959CC 3VZE		88-95	87.50MM 3.445"	6	1.5 1.5 4.0		T9864	CR9864	STD	S/R	STD 20 30 40

## TRIUMPH (additional applications available)

MAKE/MODEL	YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
1300,1300TC,SPITFIRE MK 3 MK 4 1296CC,1493CC	66-80	2.900"	4	1/16 1/16 5/32		S0486	C0486	STD	S	STD 10 20 30 40 60
TR4,TR4A	62-69	3.386"	4	1/16 1/16 5/32		S5376	C5376	STD	S	STD 40
TR6,TR250	68-76	2.940"	6	1/16 1/16 5/32		S7186	C7186	STD	S	STD 20 30 40

### PREFIX LEGEND:

#### Gapless® top ring sets

- M** Maxseal, street / race
- ML** Maxseal, low tension, race
- MG** Maxseal, gold power low tension, race
- MX** Maxseal Xtreme, Sport compact, street /race
- MS** Maxseal Steel top
- MSL** Maxseal Steel top, low tension
- MSG** Maxseal Steel top, gold power low tension

#### (continued)

- MT** TNT
- MTL** TNT, low tension

#### Gapless® 2<sup>nd</sup> ring sets

- S** Street
- CL** Claimer (cast moly top ring)
- T** TS1 Street / Race
- TL** TS1 Race, low tension

#### (continued)

- TG** TS1 Race, gold power low tension
- TS** TS1 Steel top
- TSL** TS1 Steel top, low tension
- TSG** TS1 Steel top, gold power low tension
- TT** TNT
- TTL** TNT, low tension
- X** Xtreme, Sport compact, street / race

CONV = Conventional



**If you don't see it, call us,  
WE CAN DO IT!**

# Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown.

*See page 44 for set descriptions.*

## VOLKSWAGEN (additional applications available)

MAKE/MODEL		YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
1200 36 & 40HP		54-65	77.00MM 3.031"	4	2.5 2.5 4.0		S8685	C8685	STD	S	STD 10 20 30 40 60
1457CC	1.5L	77-UP	79.50MM 3.130"	4	1.75 2.0 4.0		T0944	CR0944	STD	S/R	STD 10 20 30 40 60
1471CC DIESEL DASHER 1471CC DIESEL RABBIT GOLF TURBO	1.5L	77-89 77-92	76.50MM 3.012"	4	1.75 2.0 3.0		S7844	C7844	STD	S	STD 10 20 30 40
40HP overbore		61-65	83.00MM 3.268"	4	1.5 1.5 4.0		T8686	CR8686	STD	S/R	STD 20 30
1500 overbore		66-68	88.00MM 3.465"	4	2.0 2.0 5.0		S9686	C9686	STD	S	STD 20
RABBIT, SCIROCCO DASHER	1.6L	76-86 78-84	79.50MM 3.130"	4	1.75 2.0 4.0		T0944	CR0944	STD	S/R	STD 10 20 30 40 60
DIESEL DASHER, JETTA, RABBIT TURBO	1.6L	77-88	76.50MM 3.012"	4	1.75 2.0 3.0		S7844	C7844	STD	S	STD 10 20 30 40
57, 60, 65HP 1600	1.6L	66-79	85.50MM 3.366"	4	2.0 2.0 5.0	M1876	S1876 T1876	C1876 CR1876	STD STD	S S/R	STD 10 20 30 40 60
1600	1.6L	79-83	85.50MM 3.366"	4	1.75 2.0 5.0		S5616	C5616	STD	S	STD 10 20 30 40
RABBIT, SCIROCCO DASHER	1.7L 1.7L	78-86 78-84	79.50MM 3.130"	4	1.75 2.0 4.0		T0944	CR0944	STD	S/R	STD 10 20 30 40 60
1716CC, 1900CC, 2400CC CARAVELL, GOLF D, PASSAT D INCL TURBO DIESEL	1.7L 1.9L 2.4L	91-UP	79.50MM 3.130"	4	1.75 2.0 3.0		S9205	C9205	STD	S	STD 10 20
FOX, GTI, RABBIT, SCIROCCO	1.8L	73-88	81.00MM 3.189"	4	1.5 1.75 3.0	M1434	T1434	CR1434	STD	S/R	STD 10 20 30 40
1984CC, 2000CC GTI, PASSAT QUANTUM, GOLF, SANTANA VOYAGE	2.0L	88-02	82.50MM 3.248"	4	1.2 1.5 2.0	MX9364	X9364	CR9364	STD	S	STD 20 30 40
2226CC AUDI ENG	2.2L	83-96	81.00MM 3.189"	5	1.5 1.75 3.0		T1454	CR1454	STD	S/R	STD 20 30
VR6 GOLF GTI, JETTA GLX PASSAT, VENTO, EUROVAN VIN AAA, AES	2.8L	90-05	81.00MM 3.189"	6	1.5 1.75 3.0		T1294	CR1294	STD	S/R	STD 20 40

### PREFIX LEGEND:

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension

**CT** TNT  
**CTL** TNT, low tension

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race

CONV = Conventional



**If you don't see it, call us,  
WE CAN DO IT!**

## Ring Sets by Application – Original Equipment (continued)

Rings sets for OE and performance applications typically using OE ring groove sizes. Popular Aftermarket groove sizes also shown

*See page 44 for set descriptions.*

### VOLKSWAGON AFTERMARKET BIG BORE

MAKE/MODEL	YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
87MM KIT	ALL	87.00MM 3.425"	4	2.0 2.0 5.0		S8924 T8924	C8924 CR8924	STD STD	S S/R	STD 20
88MM KIT	ALL	88.00MM 3.465"	4	1.5 1.5 5.0		S8800	C8800	STD	S	STD
88MM KIT	ALL	88.00MM 3.465"	4	2.0 2.0 5.0		S9686	C9686	STD	S	STD
90.5MM KIT	ALL	90.50MM 3.563"	4	2.0 2.0 4.75		S9050	C9050	STD	S	STD
90.5MM KIT	ALL	90.50MM 3.563"	4	2.0 2.0 4.0		S9050B T9050B	C9050B CR9050B	STD STD	S S/R	STD
90.5MM KIT	ALL	90.50MM 3.563"	4	1.5 2.0 4.0	M9050C	S9050C T9050C	C9050C CR9050C	STD STD	S S/R	STD
90.5MM KIT	ALL	90.50MM 3.563"	4	1.5 1.5 4.0		S9050D	C9050D	STD	S	STD
92MM KIT	ALL	92.00MM 3.622"	4	2.0 2.0 4.0		S9200 T9200	C9200 CR9200	STD STD	S S/R	STD
92MM KIT	ALL	92.00MM 3.622"	4	1.5 2.0 4.0		S9200C T9200C	C9200C CR9200C	STD STD	S S/R	STD
94MM KIT	ALL	94.00MM 3.701"	4	2.0 2.0 4.0	M9400	S9400 T9400	C9400 CR9400	STD STD	S S/R	STD
94MM KIT	ALL	94.00MM 3.701"	4	1.5 2.0 4.75		S9400B T9400B	C9400B CR9400B	STD STD	S S/R	STD
94MM KIT	ALL	94.00MM 3.701"	4	1.5 2.0 4.0	M9400C	S9400C T9400C	C9400C CR9400C	STD STD	S S/R	STD
94MM KIT	ALL	94.00MM 3.701"	4	1.5 1.5 4.0	M9400D	S9400D T9400D	C9400D CR9400D	STD STD	S S/R	STD

### VOLVO (additional applications available)

MAKE/MODEL	YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING SETS	GAPLESS® 2ND RING SETS	CONV RING SETS	OIL TEN	USE	AVAILABLE SIZES <small>oversizes x .001"</small>
2319CC B5234F, 850 T5	2.3L 93-UP	81.00MM 3.189"	5	1.5 1.75 3.0		T1454	CR1454	STD	S/R	STD 20 30

#### PREFIX LEGEND:

##### Gapless® top ring sets

- M** Maxseal, street / race
- ML** Maxseal, low tension, race
- MG** Maxseal, gold power low tension, race
- MX** Maxseal Xtreme, Sport compact, street /race
- MS** Maxseal Steel top
- MSL** Maxseal Steel top, low tension
- MSG** Maxseal Steel top, gold power low tension

##### (continued)

- MT** TNT
- MTL** TNT, low tension

##### Gapless® 2<sup>nd</sup> ring sets

- S** Street
- CL** Claimer (cast moly top ring)
- T** TS1 Street / Race
- TL** TS1 Race, low tension

##### (continued)

- TG** TS1 Race, gold power low tension
- TS** TS1 Steel top
- TSL** TS1 Steel top, low tension
- TSG** TS1 Steel top, gold power low tension
- TT** TNT
- TTL** TNT, low tension
- X** Xtreme, Sport compact, street / race

CONV = Conventional



**If you don't see it, call us,  
WE CAN DO IT!**



# Motorcycle

Call us for any and all motorcycle applications you may have. If you do not see your application, be sure to call us, if we do not have it we can make it.

*See page 44 for set descriptions.*

## BSA

MAKE/MODEL	YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING	OIL TEN	AVAILABLE SIZES <i>oversizes x .001"</i>
250CC	67-70	2.638"	1	1/16 1/16 1/8		S2496	C2496	STD	STD 20 40
441CC	66-70	3.110"	1	1/16 1/16 1/8		S1496	C1496	STD	STD 20
650CC	63-70	2.953"	2	1/16 1/16 1/8		S9396	C9396	STD	STD 20 30 40 62 80
750CC	69-70	2.638"	3	1/16 1/16 1/8		S2496	C2496	STD	STD 20 40

## HARLEY-DAVIDSON

Join the Harley enthusiasts that already know what a substantial performance gain is achieved by putting Total Seal® Gapless® in their bike.

MAKE/MODEL	YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING	OIL TEN	AVAILABLE SIZES <i>oversizes x .001"</i>
45, 55CI G, GE, K, KH, KHK	50-65	2.745"	2	1/16 1/16 3/16		S4424	C4424	STD	STD 10 20 30 40 50 60 70
900CC XL, XLCH, XLH SPORTSTER	57-71	3.000"	2	1/16 1/16 3/16		S7546	C7546	STD	STD 10 20 30 40 50 60 70 80
1000CC XL, XLCH, XLH SPORTSTER	72-85	3.187"	2	1/16 1/16 3/16		S3007 T3007	C3007 CR3007	STD STD	STD 10 20 30 40 50 60 70
1200CC ELECTRA GLIDE FL, FLH, FXE PAN / SHOVEL HEAD	55-80	3.438"	2	1/16 1/16 3/16		S2846 T2846	C2846 CR2846	STD STD	STD 5 10 20 30 40 50 60 70 80
74CI FL, FLH, FX, FXE PAN / SHOVEL HEAD	52-76	3.438"	2	1/16 1/16 3/16		S2846 T2846	C2846 CR2846	STD STD	STD 5 10 20 30 40 50 60 70 80
1340CC EVOLUTION	83-UP	3.498"	2	1/16 1/16 5/32		S4616 T4616	C4616 CR4616	STD STD	STD 5 10 20 30 40
1200CC SPORTSTER SHOVEL HEAD / EVO	83-03	3.498"	2	1/16 1/16 5/32		S4616 T4616	C4616 CR4616	STD STD	STD 5 10 20 30 40
1340CC FL, FX 80CI SHOVEL HEAD	78-83	3.498"	2	1/16 1/16 3/16		S7216 T7216	C7216 CR7216	STD STD	STD 5 10 20 30 40

## HARLEY-DAVIDSON *(aftermarket cyls)*

MAKE/MODEL	YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING	OIL TEN	AVAILABLE SIZES <i>oversizes x .001"</i>
AXTELL 3/16" 3 RING	ALL	3.187"	1	1/16 1/16 5/32		T3596	CR3596	STD	STD 10 20 30 40 50
AXTELL 3 1/4" 3 RING	ALL	3.250"	1	1/16 1/16 5/32		T4596	CR4596	STD	STD 10 40
AXTELL 3 5/16" 3RING	ALL	3.312"	1	1/16 1/16 5/32		S5596 T5596	C5596 CR5596	STD STD	STD 10 20 30 40
AXTELL, S&S 3 1/2" 3 RING	ALL	3.500"	1	1/16 1/16 5/32		T2007	CR2007	STD	STD 10 20 30 40
AXTELL 3 5/8" 3RING	ALL	3.625"	1	1/16 1/16 5/32		T8596	CR8596	STD	STD 10 20 30 80
S&S 3 5/8"	ALL	3.625"	2	1.5 1.5 4.0		T0121	CR0121	STD	STD 5 10 20 30
3 5/8" BORE STROKER KITS	ALL	3.625"	1	1/16 1/16 3/16		T1275	CR1275	STD	STD 10 20 30 40

### PREFIX LEGEND:

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, *low tension*  
**CRG** Classic Race, *gold power low tension*  
**CS** Classic Steel top  
**CSL** Classic Steel top, *low tension*  
**CSG** Classic Steel top, *gold power low tension*

**CT** TNT  
**CTL** TNT, *low tension*

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race

CONV = Conventional



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# Motorcycle (continued)

See page 44 for set descriptions.

## HARLEY-DAVIDSON (continued)

MAKE/MODEL	YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING	OIL TEN	AVAILABLE SIZES <i>oversizes x .001"</i>
3 5/8" BORE STROKER KITS INCL S&S	ALL	3.625"	1	5/64 5/64 3/16		S2275 T2275	C2275 CR2275	STD STD	STD 10 20 30 40
3 13/16" STROKER KIT	ALL	3.813"	2	1/16 1/16 3/16		T1026	CR1026	STD	STD 5 10 20 30
TWIN CAM 88 BIG BORE KIT	98-UP	3.875"	2	1.5 1.5 2.5		T1494	CR1494	STD	STD 5 10 20 30
4.000"	ALL	4.000"	1	1/16 1/16 3/16	M3690	S3690 T3690	C3690 CR3690	STD STD	STD 5 10 15 20 25 30 35 40 45 60 65 95
4.125"	ALL	4.125"	1	1/16 1/16 3/16	M0690	S0690 T0690	C0690 CR0690	STD STD	STD 5 10 15 20 25 30 35 40 45 50 55 60 65
4.250"	ALL	4.250"	1	1/16 1/16 3/16	M9190	S9190 T9190	C9190 CR9190	STD STD	STD 5 25 30 35 60 65 105 130 150 195 225 255 285

## HONDA

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
XR80	79-07	47.5MM 1.870"	.5 1.0 1.5 2.0	1.0 1.2 2.5	WISECO	.5=M1890XE 1.0=M1909XE 1.5=M1929XE 2.0=M1949XE	.5=T1890XE 1.0=T1909XE 1.5=T1929XE 2.0=T1949XE	.5=1890XE 1.0=1909XE 1.5=1929XE 2.0=1949XE
XR100 CRF100F	85-07	53MM 2.086"	.5 1.0 1.5 2.0	1.0 1.2 2.5	WISECO	.5=M2106XE 1.0=M2126XE 1.5=M2146XE 2.0=M2165XE	.5=T2106XE 1.0=T2126XE 1.5=T2146XE 2.0=T2165XE	.5=2106XE 1.0=2126XE 1.5=2146XE 2.0=2165XE
XR185 XR200	83-02	65.5MM 2.578"	STD .5 1.0 2.0	1.0 1.2 2.8	WISECO	STD=M2579XC .5=M2598XC 1.0=M2618XC 2.0=M2638XC	STD=T2579XC .5=T2598XC 1.0=T2618XC 2.0=T2638XC	STD=2579XC .5=2598XC 1.0=2618XC 2.0=2638XC
CRF250R	04-07	78MM 3.071"	STD	.9 1.5	OE, WISECO	M7800YBT C-72 COATED TOP RING	T7800YBT C-72 COATED TOP RING	7800YBT C-72 COATED TOP RING
XL250 XR250	79-82 TO 83	74MM 2.913"	STD .5 1.0 1.5 2.0	1.0 1.2 2.8	WISECO	STD=M2913XC .5=M2933XC 1.0=M2953XC 1.5=M2973XC 2.0=M2992XC	STD=T2913XC .5=T2933XC 1.0=T2953XC 1.5=T2973XC 2.0=T2992XC	STD=2913XC .5=2933XC 1.0=2953XC 1.5=2973XC 2.0=2992XC
XR250 XL250	84-85 84-87	75MM 2.953"	STD .5 1.0	1.0 1.0 2.0	WISECO	STD=M2953XG .5=M2973XG 1.0=M2992XG	STD=T2953XG .5=T2973XG 1.0=T2992XG	STD=2953XG .5=2973XG 1.0=2992XG

### PREFIX LEGEND:

#### Gapless® top ring sets

- M** Maxseal, street / race
- ML** Maxseal, low tension, race
- MG** Maxseal, gold power low tension, race
- MX** Maxseal Xtreme, Sport compact, street / race
- MS** Maxseal Steel top
- MSL** Maxseal Steel top, low tension
- MSG** Maxseal Steel top, gold power low tension

#### (continued)

- MT** TNT
- MTL** TNT, low tension

#### Gapless® 2nd ring sets

- S** Street
- CL** Claimer (cast moly top ring)
- T** TS1 Street / Race
- TL** TS1 Race, low tension

#### (continued)

- TG** TS1 Race, gold power low tension
- TS** TS1 Steel top
- TSL** TS1 Steel top, low tension
- TSG** TS1 Steel top, gold power low tension
- TT** TNT
- TTL** TNT, low tension
- X** Xtreme, Sport compact, street / race

CONV = Conventional



**If you don't see it, call us,  
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# Motorcycle (continued)

See page 44 for set descriptions.

## HONDA (continued)

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
XR250 XRL250	86-02 91-96	73MM 2.874"	STD .5 1.0 2.5 3.0 4.0 5.0	1.0 1.2 2.8	WISECO JE	STD=M2874XC .5=M2894XC 1.0=M2913XC 2.5=M2973XC 3.0=M2992XC 4.0=M3032XC 5.0=M3071XC	STD=T2874XC .5=T2894XC 1.0=T2913XC 2.5=T2973XC 3.0=T2992XC 4.0=T3032XC 5.0=T3071XC	STD=2874XC .5=2894XC 1.0=2913XC 2.5=2973XC 3.0=2992XC 4.0=3032XC 5.0=3071XC
CB, CL, SL 350		64MM 2.520"	STD .25	1.5 1.5 2.5	OE		STD=S2796 .25=S2796 10	STD=C2796 .25=C2796 10
XR350R	83-84	84MM 3.307"	STD .5 1.0	1.0 1.2 2.8	WISECO	STD=M3307XC .5=M3327XC 1.0=M3347XC	STD=T3307XC .5=T3327XC 1.0=T3347XC	STD=3307XC .5=3327XC 1.0=3347XC
XR400R	96-04	85MM 3.346"	STD 1.0 2.0 3.0	1.0 1.2 2.8	WISECO JE	STD=M3347XC 1.0=M3386XC 2.0=M3425XC 3.0=M3465XC	STD=T3347XC 1.0=T3386XC 2.0=T3425XC 3.0=T3465XC	STD=3347XC 1.0=3386XC 2.0=3425XC 3.0=3465XC
XR400 440 BIG BORE	86-02	89MM 3.504"	STD	1.0 1.2 2.8	WISECO	STD=M3504XC	STD=T3504XC	STD=3504XC
CRF450R	02-06	96MM 3.780"	STD	.9 2.0	OE, WISECO	M9600ZVT C-72 COATED TOP RING	T9600ZVT C-72 COATED TOP RING	9600ZVT C-72 COATED TOP RING
CRF450 / CRF450X	02-07	96MM	2.0 3.0	.95 2.0	WISCO JE	2.0=M9800ZV 3.0=M9900ZV	2.0=T9800ZV 3.0=T9900ZV	2.0=9800ZV 3.0=9900ZV
CRF450R / BIG BORE CRF450X	02-07	96MM	5.0	1.2 2.0	WISCO JE	5.0=M10100ZS	5.0=T10100ZS	5.0=10100ZS
XR,XL 500	79-84	89MM 3.504"	STD .5 1.0 1.93	1.0 1.2 2.8	WISECO	STD=M3504XC .5=M3524XC 1.0=M3544XC 1.93=M3580XC	STD=T3504XC .5=T3524XC 1.0=T3544XC 1.93=T3580XC	STD=3504XC .5=3524XC 1.0=3544XC 1.93=3580XC
XR500	83-84	92MM 3.622"	STD .5 1.0	1.0 1.2 2.8	WISECO	STD=M3622XC .5=M3642XC 1.0=M3661XC	STD=T3622XC .5=T3642XC 1.0=T3661XC	STD=3622XC .5=3642XC 1.0=3661XC
XL600	83-87	100MM 3.937"	STD 1.0	1.2 1.5 4.0	WISECO	STD=M3937XH 1.0=M3977XH	STD=T3937XH 1.0=T3977XH	STD=3937XH 1.0=3977XH
XR600,R	85-01	97MM 3.819"	STD .5 1.0 3.0 4.0 4.6 5.0	1.2 1.5 4.0	WISECO JE	STD=M3819XH .5=M3839XH 1.0=M3858XH 3.0=M3937XH 4.0=M3976XH 4.6=M4000XH 5.0=M4015XH	STD=T3819XH .5=T3839XH 1.0=T3858XH 3.0=T3937XH 4.0=T3976XH 4.6=T4000XH 5.0=T4015XH	STD=3819XH .5=3839XH 1.0=3858XH 3.0=3937XH 4.0=3976XH 4.6=4000XH 5.0=4015XH
XR650C XR650L	93-99 96-06	100MM 3.937"	STD 1.0	1.2 1.5 4.0	WISECO	STD=M3937XH 1.0=M3977XH	STD=T3937XH 1.0=T3977XH	STD=3937XH 1.0=3977XH
XR650R	00-02	100MM 3.937"	STD	1.2 1.5 2.0	OE WISECO	STD=M3937XS	STD=T3937XS	STD=3937XS
XR650R	00-07	100MM 3.937"	STD 2.0	1.2 1.5 4.0	JE	STD=M3937XH 2.0=M4015XH	STD=T3937XH 2.0=T4015XH	STD=3937XH 2.0=4015XH

### PREFIX LEGEND:

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, *low tension*  
**CRG** Classic Race, *gold power low tension*  
**CS** Classic Steel top  
**CSL** Classic Steel top, *low tension*  
**CSG** Classic Steel top, *gold power low tension*

**CT** TNT  
**CTL** TNT, *low tension*

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race

CONV = Conventional



**If you don't see it, call us,  
WE CAN DO IT!**

# Motorcycle (continued)

See page 44 for set descriptions.

## HONDA (continued)

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
XR650 BIG BORE	93-07	100MM 3.937"	2.4	1.2 1.2 3.0	WISECO	2.4=M4032GF	2.4=T4032GF	2.4=4032GF
CBR600 F2,F3 CBR600SF	91-98 98-00	65MM 2.559"	1.0 2.0	.8 .8 1.5	OE, JE WISECO	1.0=M2598XA 2.0=M2638XA	1.0=T2598XA 2.0=T2638XA	1.0=2598XA 2.0=2638XA
CBR600F4 / I	99-06	67MM 2.638"	STD 1.0	.8 .8 1.5	OE WISECO	STD=M2638XA 1.0=M2677XA	STD=T2638XA 1.0=T2677XA	STD=2638XA 1.0=2677XA
HAWK 650NT	ALL	79MM 3.110"	1.0 3.0	1.0 1.2 2.8	JE	1.0=M3150XC 3.0=M3228XC	1.0=T3150XC 3.0=T3228XC	1.0=3150XC 3.0=3228XC
HAWK 650NT	ALL	79MM 3.110"	1.0 3.0	1.0 1.0 2.0	WISECO	1.0=M3150XG 3.0=M3228XG	1.0=T3150XG 3.0=T3228XG	1.0=3150XG 3.0=3228XG
CB750	69-82	61MM 2.402"	STD .25	1.5 1.5 2.8	OE		STD=S1796 .25=S1796 10	STD=C1796 .25=C1796 10
CB750 F & K	69-78	61MM 2.402"	4.0	1.0 1.2 2.8	WISECO JE	4.0=M2559XC	4.0=T2559XC	4.0=2559XC
CB750	79-82	61MM 2.402"	3.0 5.5	1.0 1.2 2.8	WISECO	3.0=M2520XC 5.5=M2658XC	3.0=T2520XC 5.5=T2658XC	3.0=2520XC 5.5=2658XC
CB900F	79-82	64.5MM 2.539"	3.0	1.0 1.2 2.8	WISECO	3.0=M2658XC	3.0=T2658XC	3.0=2658XC
CBR900RR	92-95	70MM 2.756"	2.0 4.0	.8 .8 1.5	WISECO JE	2.0=M2835XA 4.0=M2913XA	2.0=T2835XA 4.0=T2913XA	2.0=2835XA 4.0=2913XA
CBR900RR	96-99	71MM 2.795"	1.0 2.0	.8 .8 1.5	WISECO	1.0=M2835XA 2.0=M2913XA	1.0=T2835XA 2.0=T2913XA	1.0=2835XA 2.0=2913XA
CBR900RR	96-99	71MM 2.795"	3.0	.8 .8 1.5	JE	3.0=M2914XA	3.0=T2914XA	3.0=2914XA
CBR1000 / F	91-99	77MM 3.031"	2.0	1.0 1.0 2.0	WISECO	2.0=M3110XG	2.0=T3110XG	2.0=3110XG
RVT1000R/RC51	00-01	100MM 3.937"	STD	1.2 1.5 2.0	OE, JE WISECO	STD=M3937XS	STD=T3937XS	STD=3937XS
CBR1100 F & R	82-84	70MM 2.756"	2.0	1.0 1.2 2.8	WISECO	2.0=M2835XC	2.0=T2835XC	2.0=2835XC
CBR1100XX	97-03	79MM 3.110"	2.0	1.0 1.0 2.0	WISECO JE	2.0=M3189XG	2.0=T3189XG	2.0=3189XG

## INDIAN

MAKE/MODEL	YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING	OIL TEN	AVAILABLE SIZES <i>oversizes x .001"</i>
74 ENG 338TC, 339, 339B, 340 341, MTC18	ALL	3.250	2	3/32 3/32 3/32 5/32		S5405	C5405	STD	STD 20 30 40

### PREFIX LEGEND:

#### Gapless® top ring sets

- M** Maxseal, *street / race*
- ML** Maxseal, *low tension, race*
- MG** Maxseal, *gold power low tension, race*
- MX** Maxseal Xtreme, *Sport compact, street / race*
- MS** Maxseal Steel top
- MSL** Maxseal Steel top, *low tension*
- MSG** Maxseal Steel top, *gold power low tension*

#### (continued)

- MT** TNT
- MTL** TNT, *low tension*

#### Gapless® 2nd ring sets

- S** Street
- CL** Claimer (*cast moly top ring*)
- T** TS1 Street / Race
- TL** TS1 Race, *low tension*

#### (continued)

- TG** TS1 Race, *gold power low tension*
- TS** TS1 Steel top
- TSL** TS1 Steel top, *low tension*
- TSG** TS1 Steel top, *gold power low tension*
- TT** TNT
- TTL** TNT, *low tension*
- X** Xtreme, *Sport compact, street / race*

CONV = Conventional



**If you don't see it, call us,  
WE CAN DO IT!**

# Motorcycle (continued)

See page 44 for set descriptions.

## KAWASAKI

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
KFL220	88-03	67MM 2.638"	STD .5 1.0	1.0 1.2 2.8	WISECO	STD=M2638XC .5=M2658XC 1.0=M2677XC	STD=T2638XC .5=T2658XC 1.0=T2677XC	STD=2638XC .5=2658XC 1.0=2677XC
KX 250F	04-07	77MM 3.031"	STD	.8 1.5	OE, WISECO	STD=M7700YC	STD=T7700YC	STD=7700YC
KX 250F	04-06	77MM 3.031"	2.0	1.0 1.0 2.0	WISECO	2.0=M3110XG	2.0=T3110XG	2.0=3110XG
KSF250	87-05	74MM 2.913"	STD .5 1.0	1.0 1.2 2.8	WISECO	STD=M2913XC .5=M2933XC 1.0=M2953XC	STD=T2913XC .5=T2933XC 1.0=T2953XC	STD=2913XC .5=2933XC 1.0=2953XC
KLX300	97-06	78MM 3.071"	STD	1.0 1.0 2.0	OE WISECO	STD=M3071XG	STD=T3071XG	STD=3071XG
KLF300	82-03	76MM 2.992"	STD .5 1.0 1.5	1.0 1.2 2.8	WISECO	STD=M2992XC .5=M3012XC 1.0=M3032XC 1.5=M3051XC	STD=T2992XC .5=T3012XC 1.0=T3032XC 1.5=T3051XC	STD=2992XC .5=3012XC 1.0=3032XC 1.5=3051XC
GPZ 550	82-95	58MM 2.283"	3.0	.8 .8 1.5	WISECO	3.0=M2402XA	3.0=T2402XA	3.0=2402XA
KLX650	93-98	100MM 3.937"	STD	1.2 1.5 4.0	JE	STD=M3937XH	STD=T3937XH	STD=3937XH
ZX6 ZX6R	95-02	66MM 2.598"	STD 1.0 2.0	.8 .8 1.5	OE WISECO	STD=M2598XA 1.0=M2638XA 2.0=M2677XA	STD=T2598XA 1.0=T2638XA 2.0=T2677XA	STD=2598XA 1.0=2638XA 2.0=2677XA
ZX6R	03-05	68MM	STD 1.0	.8 .8 1.5	WISECO JE	STD=M2677XA 1.0=M2717XA	STD=T2677XA 1.0=T2717XA	STD=2677XA 1.0=2717XA
KZ 650	76-83	62MM 2.441"	2.0	1.0 1.2 2.8	WISECO	2.0=M2520XC	2.0=T2520XC	2.0=2520XC
GPZ 750	80-85	66MM 2.598"	3.0	1.0 1.2 2.8	WISECO	3.0=M2717XC	3.0=T2717XC	3.0=2717XC
ZX-7 ZX7R	91-95	71MM 2.795"	STD 1.0 2.0	.8 .8 1.5	WISECO JE	STD=M2795XA 1.0=M2835XA 2.0=M2874XA	STD=T2795XA 1.0=T2835XA 2.0=T2874XA	STD=2795XA 1.0=2835XA 2.0=2874XA
ZX-7R	96-03	73MM 2.874"	STD 1.0 1.5	.8 .8 1.5	WISECO JE	STD=M2874XA 1.0=M2913XA 1.5=M2933XA	STD=T2874XA 1.0=T2913XA 1.5=T2933XA	STD=2874XA 1.0=2913XA 1.5=2933XA
ZX-9R	94-97	73MM 2.874"	2.0	1.0 1.0 2.0	WISECO	2.0=M2953XG	2.0=T2953XG	2.0=2953XG
ZX-9R	94-97	73MM 2.874"	1.0	.8 .8 1.5	JE	1.0=M2913XA	1.0=T2913XA	1.0=2913XA
ZX-9R	98-03	75MM 2.953"	1.0 1.5	1.0 1.0 2.0	WISECO JE	1.0=M2992XG 1.5=M3012XG	1.0=T2992XG 1.5=T3012XG	1.0=2992XG 1.5=3012XG
GPZ900R	-87	72.5MM 2.854"	2.5	1.0 1.0 2.0	WISECO	2.5=M2953XG	2.5=T2953XG	2.5=2953XG
GPZ1000 GTR1000 ZX10 ZX1000	86-87 86-00 88-89 88-89	74MM 2.913"	1.5	1.0 1.0 2.0	WISECO	1.5=M2973XG	1.5=T2973XG	1.5=2973XG

### PREFIX LEGEND:

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, *low tension*  
**CRG** Classic Race, *gold power low tension*  
**CS** Classic Steel top  
**CSL** Classic Steel top, *low tension*  
**CSG** Classic Steel top, *gold power low tension*

**CT** TNT  
**CTL** TNT, *low tension*

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race

CONV = Conventional



**If you don't see it, call us,  
WE CAN DO IT!**



# Motorcycle (continued)

See page 44 for set descriptions.

## KAWASAKI (continued)

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
ZX11C1 ZX11D1 ZZR1100 ZR1100 GPZ1100	90-94 94-01 90-01 97-01 95-97	76MM 2.992"	1.0 2.0	1.0 1.0 2.0	WISECO JE	1.0=M3031XG 2.0=M3071XG	1.0=T3031XG 2.0=T3071XG	1.0=3031XG 2.0=3071XG
ZX10R	04-07	76MM	STD 2.0 3.0	1.0 1.0 2.0	WISECO JE	STD=M2992XG 2.0=M3071XG 3.0=M3110XG	STD=T2992XG 2.0=T3071XG 3.0=T3110XG	STD=2992XG 2.0=3071XG 3.0=3110XG
ZX12R ZR12R	00-05 01-05	83MM 3.267"	STD	1.0 1.0 2.0	JE	STD=M3267XG	STD=T3267XG	STD=3267XG
ZX12R ZR12R	00-05 01-05	83MM 3.267"	2.0 3.0	1.0 1.2 2.8	JE	2.0=M3346XC 3.0=M3385XC	2.0=T3346XC 3.0=T3385XC	2.0=3346XC 3.0=3385XC
KZ1000	73-80	70MM 2.756"	STD 1.0 2.0	1.0 1.2 2.8	WISECO JE, MTC	STD=M2756XC 1.0=M2795XC 2.0=M2835XC	STD=T2756XC 1.0=T2795XC 2.0=T2835XC	STD=2756XC 1.0=2795XC 2.0=2835XC
KZ1000 BIG BORE	ALL	70MM 2.756"	3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 12.0 13.0 14.0 15.0	1.0 1.2 2.8	WISECO JE, MTC	3.0=M2874XC 4.0=M2913XC 5.0=M2952XC 6.0=M2992XC 7.0=M3031XC 8.0=M3071XC 9.0=M3110XC 10.0=M3150XC 12.0=M3228XC 13.0=M3268XC 14.0=M3307XC 15.0=M3347XC	3.0=T2874XC 4.0=T2913XC 5.0=T2952XC 6.0=T2992XC 7.0=T3031XC 8.0=T3071XC 9.0=T3110XC 10.0=T3150XC 12.0=T3228XC 13.0=T3268XC 14.0=T3307XC 15.0=T3347XC	3.0=2874XC 4.0=2913XC 5.0=2952XC 6.0=2992XC 7.0=3031XC 8.0=3071XC 9.0=3110XC 10.0=3150XC 12.0=3228XC 13.0=3268XC 14.0=3307XC 15.0=3347XC
KZ1000 BIG BORE	ALL	70MM 2.756"	6.0 7.0 8.0 10.0 12.0 13.0	1.0 1.0 2.0	WISECO	6.0=M2992XG 7.0=M3032XG 8.0=M3071XG 10.0=M3150XG 12.0=M3228XG 13.0=M3268XG	6.0=T2992XG 7.0=T3032XG 8.0=T3071XG 10.0=T3150XG 12.0=T3228XG 13.0=T3268XG	6.0=2992XG 7.0=3032XG 8.0=3071XG 10.0=3150XG 12.0=3228XG 13.0=3268XG
GPZ1100 17mm WRIST PIN	81-82	72.5MM 2.854"	1.5 2.5	XC=1.0 1.2 2.8 XG=1.0 1.0 2.0	WISECO	1.5=M2913XC 2.5=M2953XG	1.5=T2913XC 2.5=T2953XG	1.5=2913XC 2.5=2953XC
GPZ1100 17mm WRIST PIN	81-82	72.5MM 2.854"	1.5 2.5 3.5 4.5 5.5 6.5 7.5 9.5 10.5	1.0 1.2 2.8	MTC	1.5=M2913XC 2.5=M2952XC 3.5=M2992XC 4.5=M3031XC 5.5=M3071XC 6.5=M3110XC 7.5=M3150XC 9.5=M3228XC 10.5=M3267XC	1.5=T2913XC 2.5=T2952XC 3.5=T2992XC 4.5=T3031XC 5.5=T3071XC 6.5=T3110XC 7.5=T3150XC 9.5=T3228XC 10.5=T3267XC	1.5=2913XC 2.5=2952XC 3.5=2992XC 4.5=3031XC 5.5=3071XC 6.5=3110XC 7.5=3150XC 9.5=3228XC 10.5=3267XC

### PREFIX LEGEND:

#### Gapless® top ring sets

- M** Maxseal, street / race
- ML** Maxseal, low tension, race
- MG** Maxseal, gold power low tension, race
- MX** Maxseal Xtreme, Sport compact, street /race
- MS** Maxseal Steel top
- MSL** Maxseal Steel top, low tension
- MSG** Maxseal Steel top, gold power low tension

#### (continued)

- MT** TNT
- MTL** TNT, low tension

#### Gapless® 2nd ring sets

- S** Street
- CL** Claimer (cast moly top ring)
- T** TS1 Street / Race
- TL** TS1 Race, low tension

#### (continued)

- TG** TS1 Race, gold power low tension
- TS** TS1 Steel top
- TSL** TS1 Steel top, low tension
- TSG** TS1 Steel top, gold power low tension
- TT** TNT
- TTL** TNT, low tension
- X** Xtreme, Sport compact, street / race

CONV = Conventional



**If you don't see it, call us,  
WE CAN DO IT!**

# Motorcycle (continued)

See page 44 for set descriptions.

## KAWASAKI (continued)

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING oversizes in mm	GAPLESS® 2ND RING oversizes in mm	CONVENTIONAL oversizes in mm
GPZ1100 18mm WRIST PIN	83-84	72.5MM 2.854"	1.5 2.5 3.5 4.5 5.5 6.5 7.5 9.5 10.5	1.5 WISECO 1.0 1.0 2.0 1.5 MTC 1.0 1.2 2.8 ALL OTHERS 1.0 1.2 2.8	WISECO MTC	1.5 WISECO=M2953XG 1.5 MTC=M2953XC 2.5=M2952XC 3.5=M2992XC 4.5=M3031XC 5.5=M3071XC 6.5=M3110XC 7.5=M3149XC 9.5=M3228XC 10.5=M3267XC	1.5 WISECO=T2953XG 1.5 MTC=T2953XC 2.5=T2952XC 3.5=T2992XC 4.5=T3031XC 5.5=T3071XC 6.5=T3110XC 7.5=T3149XC 9.5=T3228XC 10.5=T3267XC	1.5 WISECO=2953XG 1.5 MTC= 2953XC 2.5=2952XC 3.5=2992XC 4.5=3031XC 5.5=3071XC 6.5=3110XC 7.5=3149XC 9.5=3228XC 10.5=3267XC

## NORTON

MAKE/MODEL	YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING	OIL TEN	AVAILABLE SIZES oversizes x .001"
745CC ATLAS, COMMANDO	ALL	2.874	2	1/16 1/16 5/32		S7007	C7007	STD	STD 20 40
850CC	ALL	3.031	2	1/16 1/16 5/32		S9207	C9207	STD	STD 20 40

## SUZUKI

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING oversizes in mm	GAPLESS® 2ND RING oversizes in mm	CONVENTIONAL oversizes in mm
RM Z250	04-07	77MM 3.031"	STD	.8 1.5	OE WISECO	STD=M7700XU	STD=T7700XU	STD=7700XU
RM Z250	04-06	77MM 3.031"	2.0	1.0 1.0 2.0	WISECO	2.0=M3110VC	2.0=T3110VC	2.0=3110VC
DR350	90-00	79MM 3.110"	STD 1.0 2.0 3.0 4.0	1.0 1.0 2.0	WISECO	STD=M3110XG 1.0=M3150XG 2.0=M3189XG 3.0=M3228XG 4.0=M3268XG	STD=T3110XG 1.0=T3150XG 2.0=T3189XG 3.0=T3228XG 4.0=T3268XG	STD=3110XG 1.0=3150XG 2.0=3189XG 3.0=3228XG 4.0=3268XG
DR350	90-00	79MM 3.110"	10 10.25 10.50	1.0 1.2 2.8	JE	10=M3504XC 10.25=M3514XC 10.50=M3523XC	10=T3504XC 10.25=T3514XC 10.50=T3523XC	10=3504XC 10.25=3514XC 10.50=3523XC
DRZ400	00-07	90MM 3.543"	STD 2.0	1.0 1.2 2.0	OE WISECO	STD=M3543XR 2.0=M3622XR	STD=T3543XR 2.0=T3622XR	STD=3543XR 2.0=3622XR
DRZ400	00-07	90MM 3.543"	STD 2.0 4.0	1.0 1.2 2.8	JE	STD=M3543XC 2.0=M3622XC 4.0=M3701XC	STD=T3543XC 2.0=T3622XC 4.0=T3701XC	STD=3543XC 2.0=3622XC 4.0=3701XC
DR 600 SP 600	85-89	94MM 3.701"	1.0 2.0 3.0	1.2 1.5 4.0	WISECO	1.0=M3740XH 2.0=M3780XH 3.0=M3819XH	1.0=T3740XH 2.0=T3780XH 3.0=T3819XH	1.0=3740XH 2.0=3780XH 3.0=3819XH

### PREFIX LEGEND:

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension

**CT** TNT  
**CTL** TNT, low tension

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race

CONV = Conventional



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WE CAN DO IT!**

# Motorcycle (continued)

See page 44 for set descriptions.

## SUZUKI (continued)

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
DR650 LS650	90-95 86-95	95MM 3.740"	STD 1.0 2.0	1.2 1.5 4.0	WISECO	STD=M3740XH 1.0=M3780XH 2.0=M3819XH	STD=T3740XH 1.0=T3780XH 2.0=T3819XH	STD=3740XH 1.0=3780XH 2.0=3819XH
DR650	96-00	100MM 3.937"	STD	1.2 1.5 4.0	WISECO JE	STD=M3937XH	STD=T3937XH	STD=3937XH
GSXR600	97-00	65.5MM 2.579"	STD 2.0	.8 .8 1.5	OE WISECO	STD=M2579XA 2.0=M2658XA	STD=T2579XA 2.0=T2658XA	STD=2579XA 2.0=2658XA
GSXR600	01-03	67MM 2.638"	STD 1.0 2.0	.8 .8 1.5	JE WISECO	STD=M2638XA 1.0=M2677XA 2.0=M2716XA	STD=T2638XA 1.0=T2677XA 2.0=T2716XA	STD=2638XA 1.0=2677XA 2.0=2716XA
SV650X	99-05	81MM 3.198"	STD 2.0 3.0	1.0 1.2 2.8	WISECO JE	STD=M3189XC 2.0=M3268XC 3.0=M3307XC	STD=T3189XC 2.0=T3268XC 3.0=T3307XC	STD=3189XC 2.0=3268XC 3.0=3307XC
GS750	77-84	67MM 2.638"	2.0 3.0	1.0 1.2 2.8	WISECO	2.0=M2756XC 3.0=M2717XC	2.0=T2756XC 3.0=T2717XC	2.0=2756XC 3.0=2717XC
GSXR750	-87	70MM 2.756"	1.0	.8 .8 1.5	WISECO	1.0=M2795XA	1.0=T2795XA	1.0=2795XA
GSXR750 GSXR750F KATANA	88-89 89-97	73MM 2.874"	1.0	.8 .8 1.5	WISECO	1.0=M2913XA	1.0=T2913XA	1.0=2913XA
GSXR750	90-92	70MM 2.756"	7.0 9.0	1.0 1.2 2.8	JE	7.0=M3031XC 9.0=M3110XC	7.0=T3031XC 9.0=T3110XC	7.0=3031XC 9.0=3110XC
GSXR750	90-95	70MM 2.756"	1.0	.8 .8 1.5	WISECO	1.0=M2795XA	1.0=T2795XA	1.0=2795XA
GSXR750W	93-95	70MM 2.756"	7.0	1.0 1.0 2.0	JE	7.0=M3031XG	7.0=T3031XG	7.0=3031XG
GSXR750W	93-95	70MM 2.756"	STD 1.0	1.0 1.2 2.8	MTC	STD=M2755XC 1.0=M2795XC	STD=T2755XC 1.0=T2795XC	STD=2755XC 1.0=2795XC
GSXR750W	96-99	72MM 2.835"	STD 2.0 2.5	.8 .8 1.5	OE WISECO JE	STD=M2835XA 2.0=M2913XA 2.5=M2933XA	STD=T2835XA 2.0=T2913XA 2.5=T2933XA	STD=2835XA 2.0=2913XA 2.5=2933XA
GSXR750	00-03	72MM 2.835"	2.0 3.0	1.0 1.0 2.0	JE	2.0=M2914XG 3.0=M2953XG	2.0=T2914XG 3.0=T2953XG	2.0=2914XG 3.0=2953XG
GS1000	78-81	70MM 2.756"	3.0 3.5	1.0 1.2 2.8	WISECO	3.0=M2874XC 3.5=M2894XC	3.0=T2874XC 3.5=T2894XC	3.0=2874XC 3.5=2894XC
TL1000R	98-00	98MM 3.858"	STD	1.2 1.5 2.0	OE WISECO	STD=M3858XS	STD=T3858XS	STD=3858XS
GSXR1000	01-04	73MM 2.874"	STD 3.0	1.0 1.0 2.0	JE	STD=M2874XG 3.0=M2992XG	STD=T2874XG 3.0=T2992XG	STD=2874XG 3.0=2992XG
GSXR 1000	01-04	73MM	STD 1.0	.8 .8 1.5	WISECO JE	STD=M2874XA 1.0=M2913XA	STD=T2874XA 1.0=T2913XA	STD=2874XA 1.0=3913XA
GSXR 1000	01-04	73MM	2.0 3.0	1.0 1.0 2.0	WISECO JE	2.0=M2953XG 3.0=M2992XG	2.0=T2953XG 3.0=T2992XG	2.0=2953XG 3.0=2992XG
GSXR 1000	05-07	73.40MM	1.5 2.5	1.0 1.0 2.0	WISECO JE	1.5=M2953XG 2.5=M2992XG	1.5=T2953XG 2.5=T2992XG	1.5=2953XG 2.5=2992XG

### PREFIX LEGEND:

#### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street / race  
**MS** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension

#### (continued)

**MT** TNT  
**MTL** TNT, low tension

#### Gapless® 2<sup>nd</sup> ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension

#### (continued)

**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race

CONV = Conventional



**If you don't see it, call us,  
WE CAN DO IT!**

# Motorcycle (continued)

See page 44 for set descriptions.

## SUZUKI (continued)

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
GSXR1100	86-88	76MM 2.992"	2.0 5.0	1.0 1.0 2.0	WISECO	2.0=M3071XG 5.0=M3268XG	2.0=T3071XG 5.0=T3268XG	2.0=3071XG 5.0=3268XG
GSXR1100	86-88	76MM 2.992"	1.0 2.0 4.0 4.5 5.0 6.0 7.0 8.0 9.0 10.0	1.0 1.2 2.8	WISECO JE	1.0=M3031XC 2.0=M3071XC 4.0=M3150XC 4.5=M3170XC 5.0=M3189XC 6.0=M3228XC 7.0=M3267XC 8.0=M3307XC 9.0=M3347XC 10.0=M3386XC	1.0=T3031XC 2.0=T3071XC 4.0=T3150XC 4.5=T3170XC 5.0=T3189XC 6.0=T3228XC 7.0=T3267XC 8.0=T3307XC 9.0=T3347XC 10.0=T3386XC	1.0=3031XC 2.0=3071XC 4.0=3150XC 4.5=3170XC 5.0=3189XC 6.0=3228XC 7.0=3267XC 8.0=3307XC 9.0=3347XC 10.0=3386XC
GSXR1100 GSXR1100F KATANA	89-92 88-89	78MM 3.071"	2.0 3.0 5.0	1.0 1.0 2.0	WISECO	2.0=M3150XG 3.0=M3189XG 5.0=M3268XG	2.0=T3150XG 3.0=T3189XG 5.0=T3268XG	2.0=3150XG 3.0=3189XG 5.0=3268XG
GSXR1100 GSXR1100F KATANA	89-92 88-89	78MM 3.071"	STD 2.0 2.5 3.0 4.0 5.0 6.0 7.0 8.0 9.0	1.0 1.2 2.8	WISECO JE MTC	STD=M3071XC 2.0=M3150XC 2.5=M3169XC 3.0=M3189XC 6.0=M3307XC 7.0=M3347XC 8.0=M3385XC 9.0=M3425XC	STD=T3071XC 2.0=T3150XC 2.5=T3169XC 3.0=T3189XC 6.0=T3307XC 7.0=T3347XC 8.0=T3385XC 9.0=T3425XC	STD=3071XC 2.0=3150XC 2.5=3169XC 3.0=3189XC 6.0=3307XC 7.0=3347XC 8.0=3385XC 9.0=3425XC
GSXR1100	93-98	75.5MM 2.972"	1.5 2.5 4.0 4.25	1.0 1.0 2.0	WISECO JE	1.5=M3032XG 2.5=M3070XG 4.0=M3130XG 4.25=M3140XG	1.5=T3032XG 2.5=T3070XG 4.0=T3130XG 4.25=T3140XG	1.5=3032XG 2.5=3070XG 4.0=3130XG 4.25=3140XG
GSXR1100	93-98	75.5MM 2.972"	1.5 4.0	1.0 1.2 2.8	MTC	1.5=M3032XC 4.0=M3130XC	1.5=T3032XC 4.0=T3130XC	1.5=3032XC 4.0=3130XC
GS1100 GSX1100E	80-83	72MM 2.835"	1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 10.0 11.0 12.0 13.0	1.0 1.2 2.8	WISECO MTC	1.0=M2874XC 2.0=M2913XC 3.0=M2952XC 4.0=M2992XC 5.0=M3031XC 6.0=M3071XC 7.0=M3110XC 8.0=M3150XC 10.0=M3228XC 11.0=M3267XC 12.0=M3307XC 13.0=M3346XC	1.0=T2874XC 2.0=T2913XC 3.0=T2952XC 4.0=T2992XC 5.0=T3031XC 6.0=T3071XC 7.0=T3110XC 8.0=T3150XC 10.0=T3228XC 11.0=T3267XC 12.0=T3307XC 13.0=T3346XC	1.0=2874XC 2.0=2913XC 3.0=2952XC 4.0=2992XC 5.0=3031XC 6.0=3071XC 7.0=3110XC 8.0=3150XC 10.0=3228XC 11.0=3267XC 12.0=3307XC 13.0=3346XC
GS1100 GSX1100E	80-83	72MM 2.835"	3.0 4.0 6.0 8.0 11.0	1.0 1.0 2.0	WISECO	3.0=M2953XG 4.0=M2992XG 6.0=M3071XG 8.0=M3150XG 11.0=M3268XG	3.0=T2953XG 4.0=T2992XG 6.0=T3071XG 8.0=T3150XG 11.0=T3268XG	3.0=2953XG 4.0=2992XG 6.0=3071XG 8.0=3150XG 11.0=3268XG
GS1150	86	74MM 2.913"	2.0 3.0	1.0 1.0 2.0	WISECO	2.0=M2992XG 3.0=M3032XG	2.0=T2992XG 3.0=T3032XG	2.0=2992XG 3.0=3032XG

### PREFIX LEGEND:

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, *low tension*  
**CRG** Classic Race, *gold power low tension*  
**CS** Classic Steel top  
**CSL** Classic Steel top, *low tension*  
**CSG** Classic Steel top, *gold power low tension*

**CT** TNT  
**CTL** TNT, *low tension*

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race

CONV = Conventional



**If you don't see it, call us,  
WE CAN DO IT!**

# Motorcycle (continued)

See page 44 for set descriptions.

## SUZUKI (continued)

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
GS1150	86	74MM 2.913"	STD 1.0 2.0 3.0 4.0 5.0 6.0 8.0 9.0	1.0 1.2 2.8	MTC	STD=M2913XC 1.0=M2952XC 2.0=M2992XC 3.0=M3031XC 4.0=M3071XC 5.0=M3110XC 6.0=M3150XC 8.0=M3228XC 9.0=M3267XC	STD=T2913XC 1.0=T2952XC 2.0=T2992XC 3.0=T3031XC 4.0=T3071XC 5.0=T3110XC 6.0=T3150XC 8.0=T3228XC 9.0=T3267XC	STD=2913XC 1.0=2952XC 2.0=2992XC 3.0=3031XC 4.0=3071XC 5.0=3110XC 6.0=3150XC 8.0=3228XC 9.0=3267XC
GSF1200SF	96-05	79MM 3.110"	2.0 4.0	1.0 1.0 2.0	WISECO	2.0=M3189XG 4.0=M3268XG	2.0=T3189XG 4.0=T3268XG	2.0=3189XG 4.0=3268XG
GSF1200SF	96-05	79MM 3.110"	6.0	1.0 1.2 2.8	WISECO	6.0=M3347XC	6.0=T3347XC	6.0=3347XC
GSX1300R HAYABUSA	99-07	81MM 3.198"	STD 2.0 4.0	1.0 1.0 2.0	WISECO JE	STD=M3189XG 2.0=M3268XG 4.0=M3346XG	STD=T3189XG 2.0=T3268XG 4.0=T3346XG	STD=3189XG 2.0=3268XG 4.0=3346XG
GSX1300R HAYABUSA	99-07	81MM 3.189"	STD 2.0 3.0 4.0	1.0 1.2 2.8	WISECO JE MTC	STD=M3189XC 2.0=M3267XC 3.0=M3307XC 4.0=M3346XC	STD=T3189XC 2.0=T3267XC 3.0=T3307XC 4.0=T3346XC	STD=3189XC 2.0=3267XC 3.0=3307XC 4.0=3346XC

## TRIUMPH

MAKE/MODEL	YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING	OIL TEN	AVAILABLE SIZES <i>oversizes x .001"</i>
250CC	67-70	67.00MM 2.638"	1	1/16 1/16 1/8		S2496	C2496	STD	STD 20 40
490CC SPEED TWIN TIGER, DAYTONA, TROPHY	59-70	69.03MM 2.718"	2	1/16 1/16 1/8		S8007	C8007	STD	STD 20
650CC	66-75	71.00MM 2.795"	2	1/16 1/16 1/8		S8396	C8396	STD	STD 20 30 40 60
750CC	69-75	67.00MM 2.638"	3	1/16 1/16 1/8		S2496	C2496	STD	STD 20 40

## YAMAHA

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
TTR125	00-06	54MM 2.126"	STD .5 1.0	1.0 1.2 2.5	OE WISECO	STD=M2126XE .5=M2146XE 1.0=M2165XE	STD=T2126XE .5=T2146XE 1.0=T2165XE	STD=2126XE .5=2146XE 1.0=2165XE
TTR250	99-06	73MM 2.874"	STD .5 1.0 1.5 2.0	1.0 1.2 2.8	WISECO	STD=M2874XC .5=M2894XC 1.0=M2913XC 1.5=M2933XC 2.0=M2953XC	STD=T2874XC .5=T2894XC 1.0=T2913XC 1.5=T2933XC 2.0=T2953XC	STD=2874XC .5=2894XC 1.0=2913XC 1.5=2933XC 2.0=2953XC

### PREFIX LEGEND:

#### Gapless® top ring sets

- M** Maxseal, street / race
- ML** Maxseal, low tension, race
- MG** Maxseal, gold power low tension, race
- MX** Maxseal Xtreme, Sport compact, street / race
- MS** Maxseal Steel top
- MSL** Maxseal Steel top, low tension
- MSG** Maxseal Steel top, gold power low tension

#### (continued)

- MT** TNT
- MTL** TNT, low tension

#### Gapless® 2nd ring sets

- S** Street
- CL** Claimer (cast moly top ring)
- T** TS1 Street / Race
- TL** TS1 Race, low tension

#### (continued)

- TG** TS1 Race, gold power low tension
- TS** TS1 Steel top
- TSL** TS1 Steel top, low tension
- TSG** TS1 Steel top, gold power low tension
- TT** TNT
- TTL** TNT, low tension
- X** Xtreme, Sport compact, street / race

CONV = Conventional



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WE CAN DO IT!**



# Motorcycle (continued)

See page 44 for set descriptions.

## YAMAHA (continued)

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
YZF250	01-07	77MM 3.031"	STD	.9 .8 1.5	OE, WISECO	M7700XUT C-72 COATED TOP RING	T7700XUT C-72 COATED TOP RING	7700XUT C-72 COATED TOP RING
YZF250	01-07	77MM 3.031"	STD	.8 1.5	WISECO	STD=M7700YC	STD=T7700YC	STD=7700YC
YZF250	01-07	77MM 3.031"	2.0	1.0 1.0 2.0	WISECO	2.0=M3110XG	2.0=T3110XG	2.0=3110XG
XT350	85-98	86MM 3.386"	STD 1.0 1.5	1.0 1.2 2.8	WISECO	STD=M3386XC 1.0=M3425XC 1.5=M3445XC	STD=T3386XC 1.0=T3425XC 1.5=T3445XC	STD=3386XC 1.0=3425XC 1.5=3445XC
YZ400F WR400F	98-99 98-00	92MM 3.622"	STD 2.0 3.0	XR=1.0 1.2 2.0 XS=1.2 1.5 2.0	OE WISECO	STD=M3622XR 2.0=M3701XR 3.0=M3741XS	STD=T3622XR 2.0=T3701XR 3.0=T3741XS	STD=3622XR 2.0=3701XR 3.0=3741XS
YZ400F WR400F	98-99 98-00	92MM 3.622"	STD 2.0	1.0 1.2 2.8	JE	STD=M3622XC 2.0=M3701XC	STD=T3622XC 2.0=T3701XC	STD=3622XC 2.0=3701XC
YZ426F WR426F	00-02 01-02	95MM 3.741"	STD 1.5 2.0	1.2 1.5 2.0	OE WISECO	STD=M3741XS 1.5=M3799XS 2.0=M3819XS	STD=T3741XS 1.5=T3799XS 2.0=T3819XS	STD=3741XS 1.5=3799XS 2.0=3819XS
YZF450F	03-07	95MM 3.741"	STD	1.2 1.0 2.0	OE	STD=M4712	STD=T4712	STD=CS4712
YZF450F	03-07	95MM 3.741"	STD	1.2 1.5 2.0	WISECO	STD=M3741XS	STD=T3741XS	STD=3741XS
XT500 TT500 SR500		87MM 3.425"	STD .5 1.0 1.5 2.0	1.0 1.2 2.8	WISECO	STD=M3425XC .5=M3445XC 1.0=M3465XC 1.5=M3484XC 2.0=M3504XC	STD=T3425XC .5=T3445XC 1.0=T3465XC 1.5=T3484XC 2.0=T3504XC	STD=3425XC .5=3445XC 1.0=3465XC 1.5=3484XC 2.0=3504XC
XT500 TT500		90MM 3.544"	STD	1.0 1.2 2.8	WISECO	STD=M3544XC	STD=T3544XC	STD=3544XC
TT600	84-96	95MM 3.741"	STD 1.0 2.0	1.2 1.5 4.0	WISECO JE	STD=M3740XJ 1.0=M3780XH 2.0=M3819XH	STD=T3740XJ 1.0=T3780XH 2.0=T3819XH	STD=3740XJ 1.0=3780XH 2.0=3819XH
XT600 SRX600 TENERE 600	84-96 84-96 84-96	95MM 3.741"	STD 1.0 2.0 3.0 6.0	1.2 1.5 4.0	WISECO JE	STD=M3740XH 1.0=M3780XH 2.0=M3819XH 3.0=M3858XH 6.0=M3977XH	STD=T3740XH 1.0=T3780XH 2.0=T3819XH 3.0=T3858XH 6.0=T3977XH	STD=3740XH 1.0=3780XH 2.0=3819XH 3.0=3858XH 6.0=3977XH
FZ600 FJ600	-97	58.5MM 2.303"	2.5	.8 .8 1.5	WISECO	2.5=M2402XA	2.5=T2402XA	2.5=2402XA
FZR600	89-99	59MM 2.323"	1.0 1.5	.8 .8 1.5	WISECO	1.0=M2362XA 1.5=M2382XA	1.0=T2362XA 1.5=T2382XA	1.0=2362XA 1.5=2382XA
YZF-R6	99-00	65.5MM 2.578"	1.0 2.0	.8 .8 1.5	WISECO	1.0=M2618XA 2.0=M2658XA	1.0=T2618XA 2.0=T2658XA	1.0=2618XA 2.0=2658XA
YZF R6	01-05	65.5MM	STD 1.0	.8 .8 1.5	WISECO JE	STD=M2578XA 1.0=M2618XA	STD=T2578XA 1.0=T2618XA	STD=2578XA 1.0=2618XA
VIRAGO 920		92.00MM 3.622"	STD		1.5 2.0 4.0		VIRAGO920S	VIRAGO920
FZR1000R	87-88	75MM 2.953"	1.5	1.0 1.0 2.0	WISECO	1.5=M3012XG	1.5=T3012XG	1.5=3012XG

### PREFIX LEGEND:

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, *low tension*  
**CRG** Classic Race, *gold power low tension*  
**CS** Classic Steel top  
**CSL** Classic Steel top, *low tension*  
**CSG** Classic Steel top, *gold power low tension*

**CT** TNT  
**CTL** TNT, *low tension*

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race

CONV = Conventional



**If you don't see it, call us,  
WE CAN DO IT!**

# Motorcycle (continued)

See page 44 for set descriptions.

## YAMAHA (continued)

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
FZR1000 YZF1000 THUNDERACE	89-96 97-98	75.5MM 2.972"	1.5 2.5	XG 1.0 1.0 2.0 XC 1.0 1.2 2.8	WISECO JE	1.5 XC=M3032XC 1.5 XG=M3032XG 2.5=M3071XG	1.5 XC=T3032XC 1.5 XG=T3032XG 2.5=T3071XG	1.5 XC=3032XC 1.5 XG=3032XG 2.5=3071XG
YZF-R1	99-04	74MM 2.913"	STD 1.0 2.0	XA= .8 .8 1.5 XG=1.0 1.0 2.0	OE WISECO JE	STD=M2913XA 1.0=M2953XG 2.0=M2992XG	STD=T2913XA 1.0=T2953XG 2.0=T2992XG	STD=2913XA 1.0=2953XG 2.0=2992XG
YZF R-1	04-06	77MM	STD 1.0	1.0 1.0 2.0	WISECO JE	STD=M3032XG 1.0=M3071XG	STD=T3032XG 1.0=T3071XG	STD=3032XG 1.0=3071XG
XS1100		71.5MM 2.815"	2.5 3.0	1.0 1.2 2.8	WISECO	2.5=M2913XC 3.0=M2933XC	2.5=T2913XC 3.0=T2933XC	2.5=2913XC 3.0=2933XC
FJ1100		74.MM 2.913"	3.0 4.0 5.0 7.0	XG=1.0 1.0 2.0 XC=1.0 1.2 2.8	OE WISECO	3.0 XC=M3032XC 3.0 XG=M3032XG 4.0=M3071XG 5.0=M3110XG 7.0=M3189XG	3.0 XC=T3032XC 3.0 XG=T3032XG 4.0=T3071XG 5.0=T3110XG 7.0=T3189XG	3.0 XC=3032XC 3.0 XG=3032XG 4.0=3071XG 5.0=3110XG 7.0=3189XG
FJ1200 XJR1200	95-98	77MM 3.031"	STD 1.0 2.0 4.0	XG=1.0 1.0 2.0 XC=1.0 1.2 2.8	OE WISECO	STD XC=M3032XC STD XG=M3032XG 1.0=M3071XG 2.0=M3110XG 4.0=M3189XG	STD XC=T3032XC STD XG=T3032XG 1.0=T3071XG 2.0=T3110XG 4.0=T3189XG	STD XC=3032XC STD XG=3032XG 1.0=3071XG 2.0=3110XG 4.0=3189XG

## DWARF CARS

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
KAWASAKI ZX9R ENGINE	98-00	75MM	STD 1.0	1.0 1.0 2.0	OE WISECO JE	STD=M2953XG 1.0=M2992XG	STD=T2953XG 1.0=T2992XG	STD=2953XG 1.0=2992XG
SUZUKI GSXR 1100	89-92	78MM	STD 2.0 3.0	1.0 1.0 2.0	WISECO JE	STD=M3071XG 2.0=M3150XG 3.0=M3198XG	STD=T3071XG 2.0=T3150XG 3.0=T3198XG	STD=3071XG 2.0=3150XG 3.0=3198XG
SUZUKI GSXR 1100	93-98	75.5	STD 1.5 4.0	1.0 1.0 2.0	WISECO JE	STD=M2973XG 1.5=M3032XG 4.0=M3130XG	STD=T2973XG 1.5=T3032XG 4.0=T3130XG	STD=2973XG 1.5=3032XG 4.0=3130XG

### PREFIX LEGEND:

#### Gapless® top ring sets

- M** Maxseal, street / race
- ML** Maxseal, low tension, race
- MG** Maxseal, gold power low tension, race
- MX** Maxseal Xtreme, Sport compact, street /race
- MS** Maxseal Steel top
- MSL** Maxseal Steel top, low tension
- MSG** Maxseal Steel top, gold power low tension

#### (continued)

- MT** TNT
- MTL** TNT, low tension
- Gapless® 2nd ring sets**
- S** Street
- CL** Claimer (cast moly top ring)
- T** TS1 Street / Race
- TL** TS1 Race, low tension

#### (continued)

- TG** TS1 Race, gold power low tension
- TS** TS1 Steel top
- TSL** TS1 Steel top, low tension
- TSG** TS1 Steel top, gold power low tension
- TT** TNT
- TTL** TNT, low tension
- X** Xtreme, Sport compact, street / race

CONV = Conventional



**If you don't see it, call us,  
WE CAN DO IT!**

# ATV

See page 44 for set descriptions.

## ARTIC CAT

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
400DVX	ALL	90.0MM 3.543"	STD 2.0 4.0	1.0 1.2 2.8	JE	STD=M3544XC 2.0=M3622XC 4.0=M3701XC	STD=T3544XC 2.0=T3622XC 4.0=T3701XC	STD=3544XC 2.0=3622XC 4.0=3701XC

## HONDA

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
ATC 200 TRX	81-86 81-85	65MM 2.559"	STD .5 1.0 1.5 2.0	1.0 1.2 2.8	WISECO	STD=M2559XC .5=M2579XC 1.0=M2598XC 1.5=M2618XC 2.0=M2638XC	STD=T2559XC .5=T2579XC 1.0=T2598XC 1.5=T2618XC 2.0=T2638XC	STD=2559XC .5=2579XC 1.0=2598XC 1.5=2618XC 2.0=2638XC
ATC 200X TRX 200SX FAT CAT 200	86-88 86-88 86-87	65MM 2.559"	STD .5 1.0	1.0 1.2 2.8	WISECO	STD=M2559XC .5=M2579XC 1.0=M2598XC	STD=T2559XC .5=T2579XC 1.0=T2598XC	STD=2559XC .5=2579XC 1.0=2598XC
TRX 200	86-91	65MM 2.559"	STD .5 1.0	1.0 1.2 2.8	WISECO	STD=M2559XC .5=M2579XC 1.0=M2598XC	STD=T2559XC .5=T2579XC 1.0=T2598XC	STD=2559XC .5=2579XC 1.0=2598XC
TRX 250EX	01-06	68.5MM 2.697"	.5MM	.8 .8 1.5	JE	.5=M2717XA	.5=T2717XA	.5=2717XA
TRX 250X	87-92	74MM 2.913"	STD.5 1.0 1.5 2.0	1.0 1.2 2.8	WISECO	STD=M2913XC .5=M2933XC 1.0=M2953XC 1.5=M2973XC 2.0=M2992XC	STD=T2913XC .5=T2933XC 1.0=T2953XC 1.5=T2973XC 2.0=T2992XC	STD=2913XC .5=2933XC 1.0=2953XC 1.5=2973XC 2.0=2992XC
TRX 300EX	93-06	74MM 2.913"	2.0 6.0	1.0 1.2 2.8	JE	2.0=M2992XC 6.0=M3515XC	2.0=T2992XC 6.0=T3150XC	2.0=2992XC 6.0=3150XC
TRX 300EX	92-07	74MM 2.913"	STD.5 1.0 1.5 2.0	1.0 1.2 2.8	WISECO	STD=M2913XC .5=M2933XC 1.0=M2953XC 1.5=M2973XC 2.0=M2992XC	STD=T2913XC .5=T2933XC 1.0=T2953XC 1.5=T2973XC 2.0=T2992XC	STD=2913XC .5=2933XC 1.0=2953XC 1.5=2973XC 2.0=2992XC
TRX 300 TRX300EX	88-00 92-07	74MM 2.913"	STD .5 1.0 1.5 2.0	1.0 1.2 2.8	WISECO	STD=M2913XC .5=M2933XC 1.0=M2953XC 1.5=M2973XC 2.0=M2993XC	STD=T2913XC .5=T2933XC 1.0=T2953XC 1.5=T2973XC 2.0=T2993XC	STD=2913XC .5=2933XC 1.0=2953XC 1.5=2973XC 2.0=2993XC
ATC 350X TRX 350	85-89 85-89	81MM 3.189"	STD .5 1.0	1.0 1.0 2.0	WISECO	STD=M3189XG .5=M3208XG 1.0=M3228XG	STD=T3189XG .5=T3208XG 1.0=T3228XG	STD=3189XG .5=3208XG 1.0=3228XG
TRX 400EX	99-07	85MM 3.346"	STD 1.0 2.0 3.0	1.0 1.2 2.8	WISECO JE	STD=M3347XC 1.0=M3386XC 2.0=M3425XC 3.0=M3465XC	STD=T3347XC 1.0=T3386XC 2.0=T3425XC 3.0=T3465XC	STD=3347XC 1.0=3386XC 2.0=3425XC 3.0=3465XC

### PREFIX LEGEND:

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, *low tension*  
**CRG** Classic Race, *gold power low tension*  
**CS** Classic Steel top  
**CSL** Classic Steel top, *low tension*  
**CSG** Classic Steel top, *gold power low tension*

**CT** TNT  
**CTL** TNT, *low tension*

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race

CONV = Conventional



**If you don't see it, call us,  
WE CAN DO IT!**

# ATV (continued)

See page 44 for set descriptions.

## HONDA (continued)

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
TRX 400EX BIG BORE 440	99-07	89MM 3.504"	4.0	1.0 1.2 2.8	WISECO	4.0=M3504XC	4.0=T3504XC	4.0=3504XC
TRX 400 EX	99-06	85MM 3.346"	STD 1.0 2.0 3.0 3.5 4.0	1.0 1.2 2.8	JE	STD=M3346XC 1.0=M3386XC 2.0=M3426XC 3.0=M3465 3.5=M3484XC 4.0=M3504XC	STD=T3346XC 1.0=T3386XC 2.0=T3426XC 3.0=T3465XC 3.5=T3484XC 4.0=T3504XC	STD=3346XC 1.0=3386XC 2.0=3426XC 3.0=3465XC 3.5=3484XC 4.0=3504XC
TRX 400EX	99-07	85MM 3.346"	STD 1.0 2.0 3.0 4.0	1.0 1.2 2.8	WISECO	STD=M3347XC 1.0=M3386XC 2.0=M3425XC 3.0=M3465XC 4.0=M3504XC	STD=T3347XC 1.0=T3386XC 2.0=T3425XC 3.0=T3465XC 4.0=T3504XC	STD=3347XC 1.0=3386XC 2.0=3425XC 3.0=3465XC 4.0=3504XC
TRX400 4X4	95-03	86MM 3.385"	STD 1.0	1.0 1.2 2.8	WISECO	STD=M3386XC 1.0=M3425XC	STD=T3386XC 1.0=T3425XC	STD=3386XC 1.0=3425XC
TRX 450R	04-05	94MM 3.701"	STD	1.0 1.2 2.0	JE WISECO	STD=M3701XR	STD=T3701XR	STD=3701XR
TRX 450R	06-07	96MM 3.780"	2.0 4.0	1.2 1.5 2.0	JE	2.0=M3858XS 4.0=M3937XS	2.0=T3858XS 4.0=T3937XS	2.0=3858XS 4.0=3937XS
TRX 450R	04-05	94MM 3.701"	2.0 5.0	1.2 1.5 2.0	WISECO	2.0=M3780XS 5.0=M3898XS	2.0=T3780XS 5.0=T3898XS	2.0=3780XS 5.0=3898XS
TRX 450R	06-07	96MM 3.780"	STD	1.2 1.5 2.0	WISECO	STD=M3780XS	STD=T3780XS	STD=3780XS

## KAWASAKI

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
KLF300 LAKOTA	86-03	76MM 2.992"	STD .5 1.0 1.5	1.0 1.2 2.8	WISECO	STD=M2992XC .5=M3012XC 1.0=M3032XC 1.5=M3051XC	STD=T2992XC .5=T3012XC 1.0=T3032XC 1.5=T3051XC	STD=2992XC .5=3012XC 1.0=3032XC 1.5=3051XC
KFX 400	03-06	90MM 3.543"	STD 2.0 4.0	1.0 1.2 2.8	JE	STD=M3544XC 2.0=M3622XC 4.0=M3701XC	STD=T3544XC 2.0=T3622XC 4.0=T3701XC	STD=3544XC 2.0=3622XC 4.0=3701XC
KFX 400	03-06	90MM 3.543"	STD 2.0	1.0 1.2 2.0	WISECO	STD=M3543XR 2.0=M3622XR	STD=T3543XR 2.0=T3622XR	STD=3543XR 2.0=3622XR
KFX 450	07	96MM 3.779"	STD	.95 2.0	JE	STD=M9600ZVT	STD=T9600ZVT	STD=9600ZVT
PRAIRIE 650	02-03	80MM 3.150"	STD 1.0 2.0	1.0 1.2 2.8	WISECO	STD=M3150XC 1.0=M3189MC 2.0=M3307XC	STD=T3150XC 1.0=T3189XC 2.0=T3307XC	STD=3150XC 1.0=3189XC 2.0=3307XC
KFX 700 / PRAIRE 700	03-06	82MM 3.228"	STD 5.0	1.0 1.0 2.0	JE	STD=M3228XG 5.0=M3425XC	STD=T3425XC	STD=3228XG 5.0=3425XC

### PREFIX LEGEND:

#### Gapless® top ring sets

- M** Maxseal, street / race
- ML** Maxseal, low tension, race
- MG** Maxseal, gold power low tension, race
- MX** Maxseal Xtreme, Sport compact, street / race
- MS** Maxseal Steel top
- MSL** Maxseal Steel top, low tension
- MSG** Maxseal Steel top, gold power low tension

#### (continued)

- MT** TNT
- MTL** TNT, low tension
- Gapless® 2nd ring sets**
- S** Street
- CL** Claimer (cast moly top ring)
- T** TS1 Street / Race
- TL** TS1 Race, low tension

#### (continued)

- TG** TS1 Race, gold power low tension
- TS** TS1 Steel top
- TSL** TS1 Steel top, low tension
- TSG** TS1 Steel top, gold power low tension
- TT** TNT
- TTL** TNT, low tension
- X** Xtreme, Sport compact, street / race

CONV = Conventional



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# ATV (continued)

See page 44 for set descriptions.

## KAWASAKI (continued)

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
KFX 700	04-07	82MM 3.228"	STD 2.0	1.0 1.2 2.8	WISECO	STD=M3228XC 2.0=M3307XC	STD=T3228XC 2.0=T3307XC	STD=3228XC 2.0=3307XC
BRUTE FORCE KVF75	05-06	85MM 3.346"	STD 5.0	1.0 1.2 2.8	JE	STD=M3346XC 5.0=M3544XC	STD=T3346XC 5.0=T3544XC	STD=3346XC 5.0=3544XC
BRUTE FORCE 750	05-07	85MM 3.346"	STD 2.0	1.0 1.2 2.8	WISECO	STD=M3346XC 2.0=M3425XC	STD=T3346XC 2.0=T3425XC	STD=3228XC 2.0=3425XC

## SUZUKI

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
LT230 QUADSPORT	85-94 85-94	66MM 2.598"	STD .5 1.0 1.5 2.0	1.0 1.2 2.0	OE WISECO	STD=M2598XD .5=M2618XD 1.0=M2638XD 1.5=M2658XD 2.0=M2677XD	STD=T2598XD .5=T2618XD 1.0=T2638XD 1.5=T2658XD 2.0=T2677XD	STD=2598XD .5=2618XD 1.0=2638XD 1.5=2658XD 2.0=2677XD
LT4WD250	87-95	66MM 2.598"	STD .5 1.0 1.5 2.0	1.0 1.2 2.0	OE WISECO	STD=M2598XD .5=M2618XD 1.0=M2638XD 1.5=M2658XD 2.0=M2677XD	STD=T2598XD .5=T2618XD 1.0=T2638XD 1.5=T2658XD 2.0=T2677XD	STD=2598XD .5=2618XD 1.0=2638XD 1.5=2658XD 2.0=2677XD
LT300 4X4 KING QUAD	91-02	68.5MM 2.696"	.5 1.0	1.0 1.2 2.8	WISECO	.5=M2717XC 1.0=M2736XC	.5=T2717XC 1.0=T2736XC	.5=2717XC 1.0=2736XC
LT-R450	06-07	95.5MM 3.760"	2.5MM	1.2 1.5 2.0	JE	2.5=M3858XS	2.5=T3858XS	2.5=3858XS
Z 400	00-07	90MM 3.543"	STD 2.0 4.0	1.0 1.2 2.8	JE	STD=M3544XC 2.0=M3622XC 4.0=M3701XC	STD=T3544XC 2.0=T3622XC 4.0=T3701XC	STD=3544XC 2.0=3622XC 4.0=3701XC
Z 400	00-07	90MM 3.543"	STD 2.0	1.0 1.2 2.0	WISECO	STD=M3543XR 2.0=M3622XR	STD=T3543XR 2.0=T3622XR	STD=3543XR 2.0=3622XR

## YAMAHA

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
YFM YTM200 YFM DXT MOTO-4	84-85 87-88 87-88	67MM 2.638"	STD .5 1.0	1.0 1.2 2.8	WISECO	STD=M2638XC .5=M2658XC 1.0=2677XC	STD=T2638XC .5=T2658XC 1.0=T2677XC	STD=2638XC .5=2658XC 1.0=2677XC
YTM, YFM225 MOTO-4	84-88 87-88	70MM 2.756"	STD .5 1.0	1.0 1.2 2.8	WISECO	STD=M2756XC .5=M2776XC 1.0=M2795XC	STD=T2756XC .5=T2776XC 1.0=T2795XC	STD=2756XC .5=2776XC 1.0=2795XC

### PREFIX LEGEND:

#### Conventional sets

- C** Classic
- CR** Classic Race
- CRL** Classic Race, *low tension*
- CRG** Classic Race, *gold power low tension*
- CS** Classic Steel top
- CSL** Classic Steel top, *low tension*
- CSG** Classic Steel top, *gold power low tension*

- CT** TNT
- CTL** TNT, *low tension*

#### USE

- S** Street
- R** Race
- S/R** Street or Race

CONV = Conventional



**If you don't see it, call us,  
WE CAN DO IT!**



# ATV (continued)

See page 44 for set descriptions.

## YAMAHA (continued)

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
YFM250 TIMBERWOLF YFB250 BEAR TRACKER	92-01 00-02	71MM 2.795"	STD .5 1.0	1.0 1.2 2.8	WISECO	STD=M2795XC .5=M2815XC 1.0=M2835XC	STD=T2795XC .5=T2815XC 1.0=T2835XC	STD=2795XC .5=2815XC 1.0=2835XC
YFM 350 WARRIOR/ RAPTOR 350	87-04	83MM 3.268"	STD	1.0 1.0 2.0	JE	STD=M3268XG	STD=T3268XG	STD=3268XG
YFM 350 WARRIOR/ RAPTOR 350	99-07	83MM 3.268"	STD 1.0	1.0 1.2 2.8	WISECO	STD=M3268XC 1.0=M3307XC	STD=T3268XC 1.0=T3307XC	STD=3268XC 1.0=3307XC
YFM 350 WARRIOR/ RAPTOR 350	87-04	83MM 3.268"	2.0MM	1.0 1.2 2.8	JE	2.0=M3346XC	2.0=T3346XC	2.0=3346XC
YFM350 XT WARRIOR YFM350 WT BIG BEAR BW350T MOTO-4	ALL 99 99 99	83MM 3.268"	STD .5 1.0	1.0 1.2 2.8	WISECO	STD=M3268XC .5=M3287XC 1.0=M3307XC	STD=T3268XC .5=T3287XC 1.0=T3307XC	STD=3268XC .5=3287XC 1.0=3307XC
KODIAK 400 BIG BEAR	93-99 00-05	83MM 3.268"	STD .5 1.0	1.0 1.2 2.8	WISECO	STD=M3268XC .5=M3287XC 1.0=M3307XC	STD=T3268XC .5=T3287XC 1.0=T3307XC	STD=3268XC .5=3287XC 1.0=3307XC
YZF 450	04-07	95MM 3.740"	STD 1.0 3.0	1.2 1.5 2.0	WISECO	STD=M3740XS 1.0=M3780XS 3.0=M3858XS	STD=T3740XS 1.0=T3780XS 3.0=T3858XS	STD=3740XS 1.0=3780XS 3.0=2858XS
YZF 450	04-07	95MM 3.740"	STD 2.0 3.0	1.2 1.5 2.0	JE	STD=M3741XS 2.0=M3819XS 3.0=M3858XS	STD=3741XS 2.0=T3819XS 3.0=T3858XS	STD=3741XS 2.0=3819XS 3.0=3858XS
YFM600 GRIZZLY	98-01	95MM 3.741"	STD 1.0 2.0 3.0 6.0	1.2 1.5 4.0	WISECO	STD=M3740XH 1.0=M3780XH 2.0=M3819XH 3.0=M3858XH 6.0=M3977XH	STD=T3740XH 1.0=T3780XH 2.0=T3819XH 3.0=T3858XH 6.0=T3977XH	STD=3740XH 1.0=3780XH 2.0=3819XH 3.0=3858XH 6.0=3977XH
YFM660R RAPTOR YFM660F GRIZZLY	01-06	100MM 3.937"	STD .5 1.0	1.2 1.5 2.0	OE WISECO	STD=M3937XC .5=M3956XS 1.0=M3976XS	STD=T3937XC .5=T3956XS 1.0=T3976XS	STD=3937XC .5=3956XS 1.0=3976XS
YFM660R RAPTOR YFM660F GRIZZLY	01-06	100MM 3.937"	STD 2.0	1.2 1.5 4.0	JE	STD=M3937XH 2.0=M4015XH	STD=T3937XH 2.0=T4015XH	STD=3937XH 2.0=4015XH
YFM RAPTOR 660/ GRIZZLY/ RHINO	01-07	100MM 3.937"	STD 1.0 2.0	1.2 1.5 4.0	JE	STD=M3937XH 1.0=M3977XH 2.0=M4015XH	STD=T3937XH 1.0=T3977XH 2.0=T4015XH	STD=3937XH 1.0=3977XH 2.0=4015XH

### PREFIX LEGEND:

#### Gapless® top ring sets

- M** Maxseal, *street / race*
- ML** Maxseal, *low tension, race*
- MG** Maxseal, *gold power low tension, race*
- MX** Maxseal Xtreme, *Sport compact, street /race*
- MS** Maxseal Steel top
- MSL** Maxseal Steel top, *low tension*
- MSG** Maxseal Steel top, *gold power low tension*

#### (continued)

- MT** TNT
- MTL** TNT, *low tension*

#### Gapless® 2<sup>nd</sup> ring sets

- S** Street
- CL** Claimer (*cast moly top ring*)
- T** TS1 Street / Race
- TL** TS1 Race, *low tension*

#### (continued)

- TG** TS1 Race, *gold power low tension*
- TS** TS1 Steel top
- TSL** TS1 Steel top, *low tension*
- TSG** TS1 Steel top, *gold power low tension*
- TT** TNT
- TTL** TNT, *low tension*
- X** Xtreme, *Sport compact, street / race*

CONV = Conventional



**If you don't see it, call us,  
WE CAN DO IT!**

## ATV (continued)

See page 44 for set descriptions.

## YAMAHA (continued)

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
YFM660R RAPTOR/ GRIZZLY	01-06	100MM 3.937"	STD 1.0	1.2 1.5 2.0	WISECO	STD=M3937XS 1.0=M3976XS	STD=T3937XS 1.0=T3976XS	STD=3937XS 1.0=3976XS
YFM660R RAPTOR/ GRIZZLY	01-06	100MM 3.937"	2.0	1.2 1.2 3.0	WISECO	2.0=M4708 15	2.0=T4708 15	2.0=CR4708 15
YFM RAPTOR/ GRIZZLY 700	06-07	102MM	STD	1.2 1.5 2.0	WISECO	STD=M10200XS	STD=T10200XS	STD=10200XS

## WATERCRAFT

### HONDA

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
R12X TURBO	07	79MM 3.110"	STD	1.0 1.0 2.0	JE	STD=M3110XG	STD=T3110XG	STD=3110XG

### KAWASAKI

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
STX15F	07	83MM 3.268"	STD	1.0 1.0 2.0	JE	STD=M3268XG	STD=T3268XG	STD=3268XG

## YAMAHA

MAKE/MODEL	YR	STD BORE	AVAILABLE SIZES	GROOVE SIZE	PISTON FITMENT	GAPLESS® TOP RING <i>oversizes in mm</i>	GAPLESS® 2ND RING <i>oversizes in mm</i>	CONVENTIONAL <i>oversizes in mm</i>
FX 160 TURBO	07	76MM 2.992"	STD	1.0 1.2 2.8	JE	STD=M2992XC	STD=T2992XC	STD=2992XC
RS VECTOR/ RAGE/ NYTRO	05-07	79MM 3.110"	STD	1.0 1.0 2.0	JE	STD=M3110XG	STD=T3110XG	STD=3110XG
RX1-WARRIOR/ APEX/ATTACK	03-07	74MM 2.913"	STD	.8 .8 1.5	JE	STD=M2913XA	STD=T2913XA	STD=2913XA
RX1-WARRIOR/ APEX/ATTACK	03-07	74MM 2.913"	1.0 2.0	1.0 1.0 2.0	JE	1.0=M2953XG 2.0=M2992XG	1.0=T2953XG 2.0=T2992XG	1.0=M2953XG 2.0=M2992XG

#### PREFIX LEGEND:

##### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, *low tension*  
**CRG** Classic Race, *gold power low tension*  
**CS** Classic Steel top  
**CSL** Classic Steel top, *low tension*  
**CSG** Classic Steel top, *gold power low tension*

**CT** TNT  
**CTL** TNT, *low tension*

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race

CONV = Conventional



**If you don't see it, call us,  
WE CAN DO IT!**

# Qtr. Midget, Karting Jr. Dragster

See page 44 for set descriptions.

MAKE/MODEL	YR	BORE	CYL	GROOVE SIZE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING	AVAILABLE SIZES <i>oversizes x .001"</i>
1/4 MIDGET	ALL	2.125"	1	1/16 1/16 1/8		T2125	CR2125	STD 10 20 30 40 50 60 70
KARTING	ALL	2.250"	1	1/16 1/16 1/8		T2250	CR2250	STD 20 30 40 50 60
BRIGGS 5HP	ALL	2.562"	1	1/16		2562		STD 10 20 30 GAPLESS 2ND ONLY
BRIGGS 5HP	ALL	2.562"	1	1.0 2.8	M2562XM		2562XM	
	ALL	2.567"	1	1.0 2.8	M2567XM		2567XM	
	ALL	2.577"	1	1.0 2.8	M2577XM		2577XM	
	ALL	2.592"	1	1.0 2.8	M2592XM		2592XM	
	ALL	2.622"	1	1.0 2.8	M2622XM		2622XM	
	ALL	2.642"	1	1.0 2.8	M2642XM		2642XM	
	ALL	2.662"	1	1.0 2.8	M2662XM		2662XM	
	ALL	2.682"	1	1.0 2.8	M2682XM		2682XM	
	ALL	2.702"	1	1.0 2.8	M2702XM		2702XM	
	ALL	2.717"	1	1.0 2.8	M2717XM		2717XM	
	ALL	2.736"	1	1.0 2.8	M2736XM		2736XM	
	ALL	2.756"	1	1.0 2.8	M2756XM		2756XM	
TECHUMSEH 10HP	ALL	3.312"	1	5/64 5/64 3/16		S5974	C5974	STD 10 20

CONV = Conventional



DAVID RAMPY



JOEY MORIARTY



JONATHAN FIELLO



TERRY ANGLIN



VINNY BARONE



ROSS WILSON

**PREFIX LEGEND:**

**Gapless® top ring sets**

- M** Maxseal, street / race
- ML** Maxseal, low tension, race
- MG** Maxseal, gold power low tension, race
- MX** Maxseal Xtreme, Sport compact, street / race
- MS** Maxseal Steel top
- MSL** Maxseal Steel top, low tension
- MSG** Maxseal Steel top, gold power low tension
- MT** TNT
- MTL** TNT, low tension

**Gapless® 2" ring sets**

- S** Street
- CL** Claimer (cast moly top ring)
- T** TS1 Street / Race
- TL** TS1 Race, low tension
- TG** TS1 Race, gold power low tension
- TS** TS1 Steel top
- TSL** TS1 Steel top, low tension
- TSG** TS1 Steel top, gold power low tension
- TT** TNT
- TTL** TNT, low tension
- X** Xtreme, Sport compact, street / race

**Conventional sets**

- C** Classic
- CR** Classic Race
- CRL** Classic Race, low tension
- CRG** Classic Race, gold power low tension
- CS** Classic Steel top
- CSL** Classic Steel top, low tension
- CSG** Classic Steel top, gold power low tension
- CT** TNT
- CTL** TNT, low tension

**USE**

- S** Street
- R** Race
- S/R** Street or Race



**If you don't see it, call us, WE CAN DO IT!**

# Sets by Bore Diameter – *Motorcycle*

See page 44 for set descriptions.

## XC SETS 1.0 1.2 2.8 RING PACK

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
69MM 2.717"	M2717XC	T2717XC	2717XC
69.5MM 2.736"	M2736XC	T2736XC	2736XC
70MM 2.756"	M2756XC	T2756XC	2756XC
70.5MM 2.776"	M2776XC	T2776XC	2776XC
71MM 2.795"	M2795XC	T2795XC	2795XC
71.5MM 2.815"	M2815XC	T2815XC	2815XC
72MM 2.835"	M2835XC	T2835XC	2835XC
73MM 2.874"	M2874XC	T2874XC	2874XC
73.5MM 2.894"	M2894XC	T2894XC	2894XC
74MM 2.913"	M2913XC	T2913XC	2913XC
74.5MM 2.933"	M2933XC	T2933XC	2933XC
75MM 2.953"	M2953XC	T2953XC	2953XC
75.5MM 2.973"	M2973XC	T2973XC	2973XC
76MM 2.992"	M2992XC	T2992XC	2992XC
76.5MM 3.012"	M3012XC	T3012XC	3012XC
77MM 3.032"	M3032XC	T3032XC	3032XC

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
77.25MM 3.041"	M3041XC	T3041XC	3041XC
77.5MM 3.051"	M3051XC	T3051XC	3051XC
78MM 3.071"	M3071XC	T3071XC	3071XC
79MM 3.110"	M3110XC	T3110XC	3110XC
80MM 3.150"	M3150XC	T3150XC	3150XC
80.5MM 3.169"	M3169XC	T3169XC	3169XC
81MM 3.189"	M3189XC	T3189XC	3189XC
81.5MM 3.208"	M3208XC	T3208XC	3208XC
82MM 3.228"	M3228XC	T3228XC	3228XC
82.5MM 3.250"	M3250XC	T3250XC	3250XC
83MM 3.268"	M3268XC	T3268XC	3268XC
83.5MM 3.287"	M3287XC	T3287XC	3287XC
84MM 3.307"	M3307XC	T3307XC	3307XC
84.5MM 3.327"	M3327XC	T3327XC	3327XC
85MM 3.347"	M3347XC	T3347XC	3347XC
86MM 3.386"	M3386XC	T3386XC	3386XC

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
87MM 3.425"	M3425XC	T3425XC	3425XC
87.5MM 3.445"	M3445XC	T3445XC	3445XC
88MM 3.465"	M3465XC	T3465XC	3465XC
88.5MM 3.484"	3484XC	T3484XC	3484XC
89MM 3.504"	M3504XC	T3504XC	3504XC
89.25MM 3.514"	M3514XC	T3514XC	3514XC
89.5MM 3.524"	M3524XC	T3524XC	3524XC
89.75MM 3.534"	M3534XC	T3534XC	3534XC
90MM 3.544"	M3544XC	T3544XC	3544XC
90.5MM 3.563"	M3563XC	T3563XC	3563XC
91MM 3.583"	M3583XC	T3583XC	3583XC
92MM 3.622"	M3622XC	T3622XC	3622XC
92.5MM 3.642"	M3642XC	T3642XC	3642XC
93MM 3.661"	M3661XC	T3661XC	3661XC
94MM 3.701"	M3701XC	T3701XC	3701XC

## XX SETS 1.0 1.2 2.8 RING PACK

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
71MM 2.795"	M2795XX	T2795XX	2795XX
71.5MM 2.815"	M2815XX	T2815XX	2815XX
72MM 2.835"	M2835XX	T2835XX	2835XX
73.5MM 2.894"	M2894XX	T2894XX	2894XX
74MM 2.913"	M2913XX	T2913XX	2913XX
76MM 2.992"	M2992XX	T2992XX	2992XX

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
76.5MM 3.012"	M3012XX	T3012XX	3012XX
77.25MM 3.041"	M3041XX	T3041XX	3041XX
78MM 3.071"	M3071XX	T3071XX	3071XX
79MM 3.110"	M3110XX	T3110XX	3110XX
81MM 3.189"	M3189XX	T3189XX	3189XX
82MM 3.228"	M3228XX	T3228XX	3228XX

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
83.5MM 3.287"	M3287XX	T3287XX	3287XX
84MM 3.307"	M3307XX	T3307XX	3307XX
84.5MM 3.327"	M3327XX	T3327XX	3327XX
85MM 3.347"	M3347XX	T3347XX	3347XX
86MM 3.386"	M3386XX	T3386XX	3386XX
87MM 3.425"	M3425XX	T3425XX	3425XX

### PREFIX LEGEND:

#### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street / race  
**MS** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension  
**MT** TNT  
**MTL** TNT, low tension

#### Gapless® 2<sup>nd</sup> ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension  
**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension  
**CT** TNT  
**CTL** TNT, low tension

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race

CONV = Conventional



**If you don't see it, call us,  
WE CAN DO IT!**

# Sets by Bore Diameter – *Motorcycle* (continued)

See page 44 for set descriptions.

## XX SETS 1.0 1.2 2.8 RING PACK (continued)

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
87.5MM 3.445"	M3445XX	T3445XX	3445XX
88MM 3.465"	M3465XX	T3465XX	3465XX

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
89.75MM 3.534"	M3534XX	T3534XX	3534XX
90MM 3.544"	M3544XX	T3544XX	3544XX

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
90.5MM 3.563"	M3563XX	T3563XX	3563XX
91MM 3.583"	M3583XX	T3583XX	3583XX

## EK SETS .7 X 1.2 X 2.0 RING PACK

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
96MM 3.780"	M3780EK	T3780EK	3780EK

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
98MM 3.858"	M3858EK	T3858EK	3858EK



BRIAN WEAVER

## XA SETS .8 X .8 X 1.5 RING PACK

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
59MM 2.323"	M2323XA	T2323XA	2323XA
60MM 2.362"	M2362XA	T2362XA	2362XA
60.5MM 2.382"	M2382XA	T2382XA	2382XA
61MM 2.402"	M2402XA	T2402XA	2402XA
62MM 2.441"	M2441XA	T2441XA	2441XA
65MM 2.559"	M2559XA	T2559XA	2559XA
65.5MM 2.587"	M2587XA	T2587XA	2587XA

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
66MM 2.598"	M2598XA	T2598XA	2598XA
66.5MM 2.618"	M2618XA	T2618XA	2618XA
67MM 2.638"	M2638XA	T2638XA	2638XA
67.5MM 2.658"	M2658XA	T2658XA	2658XA
68MM 2.677"	M2677XA	T2677XA	2677XA
70MM 2.756"	M2756XA	T2756XA	2756XA

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
71MM 2.795"	M2795XA	T2795XA	2795XA
72MM 2.835"	M2835XA	T2835XA	2835XA
73MM 2.874"	M2874XA	T2874XA	2874XA
73.5MM 2.894"	M2894XA	T2894XA	2894XA
74MM 2.913"	M2913XA	T2913XA	2913XA
74.5MM 2.933"	M2933XA	T2933XA	2933XA

## XD SETS 1.0 X 1.2 X 2.0 RING PACK

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
66MM 2.598"	M2598XD	T2598XD	2598XD
66.5MM 2.618"	M2618XD	T2618XD	2618XD

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
67MM 2.638"	M2638XD	T2638XD	2638XD
67.5MM 2.658"	M2658XD	T2658XD	2658XD

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
68MM 2.677"	M2677XD	T2677XD	2677XD

### PREFIX LEGEND:

#### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street / race  
**MS** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension  
**MT** TNT  
**MTL** TNT, low tension

#### Gapless® 2<sup>nd</sup> ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension  
**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension  
**CT** TNT  
**CTL** TNT, low tension

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race

CONV = Conventional



**If you don't see it, call us,  
WE CAN DO IT!**



# Sets by Bore Diameter – *Motorcycle* (continued)

See page 44 for set descriptions.

## XE SETS 1.0 X 1.2 X 2.5 RING PACK

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
53.5MM 2.106"	M2106XE	T2106XE	2106XE
54MM 2.126"	M2126XE	T2126XE	2126XE
54.5MM 2.146"	M2146XE	T2146XE	2146XE

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
55MM 2.165"	M2165XE	T2165XE	2165XE
58MM 2.283"	M2283XE	T2283XE	2283XE



STEVE MORIARTY

## XG SETS 1.0 X 1.0 X 2.0 RING PACK

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
75MM 2.953"	M2953XG	T2953XG	2953XG
75.5MM 2.973"	M2973XG	T2973XG	2973XG
76MM 2.992"	M2992XG	T2992XG	2992XG
76.5MM 3.012"	M3012XG	T3012XG	3012XG
77MM 3.032"	M3032XG	T3032XG	3032XG
77.25MM 3.041"	M3041XG	T3041XG	3041XG

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
77.5MM 3.051"	M3051XG	T3051XG	3051XG
77.55MM 3.053"	M3053XG	T3053XG	3053XG
78MM 3.071"	M3071XG	T3071XG	3071XG
79MM 3.110"	M3110XG	T3110XG	3110XG
79.5MM 3.130"	M3130XG	T3130XG	3130XG
79.75MM 3.140"	M3140XG	T3140XG	3140XG

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
80MM 3.150"	M3150XG	T3150XG	3150XG
81MM 3.189"	M3189XG	T3189XG	3189XG
81.5MM 3.208"	M3208XG	T3208XG	3208XG
82MM 3.228"	M3228XG	T3228XG	3228XG
83MM 3.268"	M3268XG	T3268XG	3268XG

## XH SETS 1.2 X 1.5 X 4.0 RING PACK

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
95MM 3.740"	M3740XH	T3740XH	3740XH
96MM 3.780"	M3780XH	T3780XH	3780XH
97MM 3.819"	M3819XH	T3819XH	3819XH

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
97.5MM 3.839"	M3839XH	T3839XH	3839XH
98MM 3.858"	M3858XH	T3858XH	3858XH

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
100MM 3.937"	M3937XH	T3937XH	3937XH
101MM 3.977"	M3977XH	T3977XH	3977XH

## XR SETS 1.0 X 1.2 X 2.0 RING PACK

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
85MM 3.346"	M3346XR	T3346XR	3346XR
86MM 3.386"	M3386XR	T3386XR	3386XR

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
90MM 3.543"	M3543XR	T3543XR	3543XR
92MM 3.622"	M3622XR	T3622XR	3622XR

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
94MM 3.701"	M3701XR	T3701XR	3701XR

### PREFIX LEGEND:

#### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street / race  
**MS** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension  
**MT** TNT  
**MTL** TNT, low tension

#### Gapless® 2nd ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension  
**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension  
**CT** TNT  
**CTL** TNT, low tension

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race

CONV = Conventional



**If you don't see it, call us,  
WE CAN DO IT!**

# Sets by Bore Diameter – *Motorcycle* (continued)

See page 44 for set descriptions.

## XS SETS 1.2 X 1.5 X 2.0 RING PACK

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
95MM 3.741"	M3741XS	T3741XS	3741XS
96.5MM 3.799"	M3799XS	T3799XS	3799XS
97MM 3.819"	M3819XS	T3819XS	3819XS

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
98MM 3.858"	M3858XS	T3858XS	3858XS
100MM 3.9374"	M3937XS	T3937XS	3937XS
100.5MM 3.956"	M3956XS	T3956XS	3956XS

BORE	GAPLESS® TOP RING	GAPLESS® 2ND RING	CONV RING
101MM 3.976"	M3976XS	T3976XS	3976XS
103.1MM 4.059"	M4059XS	T4059XS	4059XS

CONV = Conventional



ROGER GRIGGS



ED LAW



SHAWN GANN



MONTE CAMPBELL

### PREFIX LEGEND:

#### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street / race  
**MS** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension  
**MT** TNT  
**MTL** TNT, low tension

#### Gapless® 2<sup>nd</sup> ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension  
**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race

#### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension  
**CT** TNT  
**CTL** TNT, low tension

#### USE

**S** Street  
**R** Race  
**S/R** Street or Race



**If you don't see it, call us,  
WE CAN DO IT!**

## Tools

### ADJUSTABLE RING COMPRESSOR

Total Seal's tapered adjustable ring compressor features billet aluminum construction and are hard anodized for a longer life.

RC2.700-2.800	2.700-2.800	RC3.810-3.900	3.810-3.900
RC2.800-2.900	2.800-2.900	RC3.890-3.995	3.890-3.995
RC2.900-3.000	2.900-3.000	RC4.000-4.120	4.000-4.120
RC3.000-3.100	3.000-3.100	RC4.125-4.225	4.125-4.225
RC3.100-3.200	3.100-3.200	RC4.225-4.345	4.225-4.345
RC3.200-3.300	3.200-3.300	RC4.345-4.455	4.345-4.455
RC3.300-3.400	3.300-3.400	RC4.455-4.575	4.455-4.575
RC3.400-3.500	3.400-3.500	RC4.575-4.700	4.575-4.700
RC3.475-3.575	3.475-3.575	RC4.701-4.800	4.701-4.800
RC3.580-3.675	3.580-3.675	RC4.800-4.900	4.800-4.900
RC3.680-3.775	3.680-3.775	RC4.900-5.000	4.900-5.000
RC3.780-3.885	3.780-3.885	RC5.000-5.125	5.000-5.125

Hard Anodized & Thin walled to clear head studs.



### NON ADJUSTABLE RING COMPRESSOR

Total Seal's non adjustable ring compressors are precision machined from heat treated aluminum and then hard anodized for years of use, for the builder who does a lot of repeat bore sizes. Available from 3.530" to 4.625" bore size. Part number = bore.

Ring compressors now available with a 2 degree taper especially helpful when using very shallow radial wall rings like our .7mm & .8mm Diamond finish product. These are indicated by the "2D" suffix.

RC3530	RC4000	RC4155	RC4560
RC3560	RC4005	RC4160	RC4600
RC3622	RC4020	RC4165	RC4610
RC3642	RC4025	RC4180-2D	RC4625
RC3685	RC4030	RC4185	RC4630
RC3701	RC4035	RC4200	RC4630-2D
RC3736	RC4040	RC4250	RC4650-2D
RC3766	RC4045	RC4260	RC4675
RC3780	RC4060	RC4280	RC4705-2D
RC3810	RC4070	RC4310	RC4710-2D
RC3839	RC4115	RC4310-2D	RC4720
RC3850	RC4120	RC4350	RC4720-2D
RC3858	RC4125	RC4375	RC4730-2D
RC3905	RC4130	RC4380	RC4750-2D
RC3917	RC4135	RC4390	RC4800
RC3920	RC4140	RC4440	RC4875
RC3935	RC4145	RC4500	RC4900
RC3937	RC4150	RC4530	RC5000



### PRECISION RING FILER

The ultimate in precision ring filing. High power and extremely accurate.

SPECS:

AO Smith 1/15 HP  
3,000 rpm ball bearing  
electric motor  
5/16 shaft, 6 ft cord.  
110 v U.S. model or  
220V export available.  
Grinding wheel 3" x 1/8"  
De-burring wheel 2 1/2" x 1/2"  
Diamond wheel dresser  
Manufacturer at Total Seal in Phoenix AZ USA



PRF-812DW	PRECISION RING FILER 110V
PRF-822DW	PRECISION RING FILER 220V
PRF-101	GRINDING WHEEL
PRF-102	BUFFING WHEEL
PRF-103	DRESSING DIAMOND

### SPLIT RING COMPRESSORS **NEW**

Split Ring Compressors is a unique 2-piece design that make them a "must-have" tool for engine builders working on Volkswagen, Porsche, Harley, aircraft, and other engines where the cylinder is required to slide over the piston for assembly. They are precision machined from billet aluminum, then hard anodized for extreme durability and a long life of use. New Total Seal "Split" Ring Compressors are available in any bore size.

Call for available sizes



### TOTAL SEAL'S PISTON RING FILER

This high quality hand operated ring filer is an essential for any engine builders tool box.

Now includes a diamond coated file wheel for fast accurate cuts and increased durability.

RF001	STANDARD MODEL
RFW002	DIAMOND COATED REPLACEMENT WHEEL



**If you don't see it, call us,  
WE CAN DO IT!**

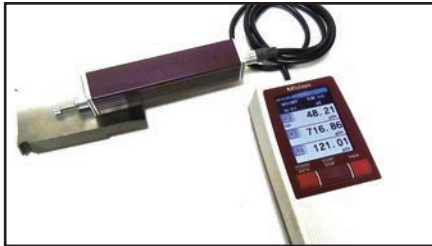
## Tools (continued)

### PORTABLE SURFACE ROUGHNESS TESTER

A small, lightweight, and extremely easy to use surface roughness measurement instrument that lets you view surface roughness waveforms right on the color LCD screen.

This is a must have tool for the professional engine builder. Why guess at what your cylinder finish is with this you will know for sure.

MIT-SJ-210



### TOTAL SEAL'S PISTON RING SQUARING TOOL

This Tool will add a new dimension to efficient, accurate, engine assembly. Guaranteed to be flat and parallel within .001 of an inch. Each tool will work through a range of sizes. Hard coated anodized aluminum.

08900	3.810-3.900 PIST.RING SQ
08905	3.905-3.980 PIST.RING SQ
08910	4.000-4.085 PIST.RING SQ
08915	4.125-4.200 PIST.RING SQ
08920	4.235-4.290 PIST.RING SQ
08925	4.310-4.390 PIST.RING SQ
08930	4.430-4.500 PIST.RING SQ
08935	4.530-4.630 PIST.RING SQ
08940	4.700-4.800 PIST.RING SQ
08945	4.800-4.900 PIST.RING SQ
08950	4.900-5.000 PIST.RING SQ



### PISTON RING EXPANDER

This deluxe piston ring expander will support the ring all the way around. This will help in not distorting the ring and cut down on breakage. This tool will save time and money. Available in three sizes for pistons from 2" to 7".

HAS1723

PISTON RING INSTALLER



### DUAL GAUGE LEAKDOWN TESTER

This tester is the superior dual gauge design, it has an adjustable left-hand gauge, with a precision regulator, and a large easy to read right hand gauge. This precision tool allows you to check engine condition. Comes with a 14mm hose. With adapter it can be used to set injection barrel valves.

14MMLDT

DUAL GAUGE LEAKDOWN TESTER

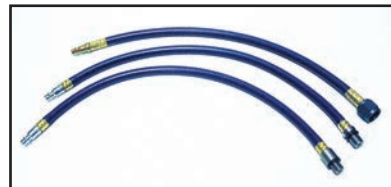


### OPTIONAL HOSE ASSEMBLIES

Allows a broader use of your leak down tester

10MM ADAPTER HOSE  
12MM ADAPTER HOSE  
14MM ADAPTER HOSE  
18MM ADAPTER HOSE

10MMLDTHOSE  
12MMLDTHOSE  
14MMLDTHOSE  
18MMLDTHOSE



### TOTAL SEAL® SERVICES

Piston regrooving.  
Ring back cutting.  
Ring conversion to .017 or .031 dykes style  
Custom axial sizing.



**If you don't see it, call us,  
WE CAN DO IT!**



## Tools (continued)

### QUICKSEAT®

Dry film cylinder wall lubricant provides the proper lubrication during the critical break-in period. Virtually eliminating ring related cylinder wall burnishing and glazing.

**QS Quickseat dry film powder - 2 grams**

**QS-14 Quickseat dry film powder - 14 grams**



### BREAK-IN OILS

Announcing a new series of high performance break in oils formulated for Total Seal by Driven racing oil, born from Joe Gibbs racing. These unique lubricants provide the highest level of zinc and phosphorus for optimum ring seating during that critical initial break in period ... for maximum performance and prolonged ring life, make sure you break your engine in right!

- Petroleum based oil provides the highest levels of zinc and phosphorus.
- Additive package promotes superior ring seating while providing maximum protection during break in.
- No additional additives required.
- Compatible with gasoline and methanol fuels.
- Can be used for up 2 hours of break in / dyno time.
- Specifically designed for optimum ring seating.

#### BR10

Exclusively formulated for Total Seal.  
Viscosity typical of SAE 0W-10.  
For break in use on competition engines only.  
Should be used in applications that normally race on 0W-0 - 0W20 grade oils.

#### BR30

Viscosity typical of SAE 5W-30.  
Good for most general applications.  
Circle track, drag race, OE type rebuilds.

#### BR

Viscosity typical of SAE 15W-50.  
Good for applications requiring heavier oil.  
Forced induction application, Nitrous assisted applications or similar.



### ASSEMBLY LUBE

- Provides a tenacious yet fluid film to protect reciprocating and rotating components during assembly and initial break-in
- Non-foaming product mixes with break-in oil and extends film thickness during the critical break-in process
- Can be added to regular oil to increase film thickness
- Does not harden or cause parts to become sticky

**AL8  
AL-PKT**



### TOTAL SEAL ACCESSORIES

**BANNERS**

**30" X 72"**



**TEES L, XL, XXL  
HATS OSFM**



**If you don't see it, call us,  
WE CAN DO IT!**



# Ring Diametrical

See application as radial wall dimension can vary.

Visit our updated website to search the Ring Diametrical.

www.totalseal.com

**TOTAL SEAL®**  
High Performance  
PISTON RINGS 1-800-874-2753

- SPECIALTY RINGS
- APPLICATION
- YEAR
- BORE
- PART NUMBER
- INTERCHANGE
- DIAMETRICAL**
- TECHNICAL
- TOOL BOX
- RFQ

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INTERACTIVE TABLET    TECHNICAL FAQ    ABOUT TOTAL SEAL    YOUTUBE VIDEOS  
INSTALLATION SHEET  
GAP CHART



If you don't see it, call us,  
WE CAN DO IT!

# Hastings® Power Flex to Total Seal® Classic Conversion

HASTINGS	TOTAL SEAL
SC5558	CR0464
2M5545	CR5455
SC5572	3189XX-4
SC5572 010	NA
SC5572 020	3208XX-4
SC5572 030	NA
SC5572 040	3228XX-4
2C5573	CR1564
SC5556	CR9574
2M5544	CR4455
2M5547	CR9945
2M5548	CRL9945
2M5567	CR4920
2M5527	CR7255
2M5506	CR0660
2M5503	CRL0660
2M5522	CR1490
2M5575	CR5755

HASTINGS	TOTAL SEAL
2M5507	CR7055
SM5587	CRG0010
2M5535	CR6434
2M5540	CRG2010
2M5538	CR1001
2M5502	CR2055
2M5508	CR9090
2M5504	CRL9090
2M5521	CR0390
2M5523	CR3690
2M5505	CRL3690
2M5561	CR1655
2M5525	CR5255
2M5511	CR1155
2M5512	CR2155
2M5524	CR5490
2M5590	CR1008
SM5593	CRG9010

HASTINGS	TOTAL SEAL
2M5513	CR0190
2M5501	CR1003
2M5529	CR0690
2M5539	CR1002
2M5510	CRL0690
2M5543	CR3455
2M5542	CR2455
2M5526	CR7190
2M5516	CR7850
2M5517	CR7155
SM5597	CR4325
2M5518	CR2090
2M5514	CRL2090
2M5519	CR9190
2M5515	CRL9190
2M5577	CR7755
2M5528	CR6490
2M5520	CRL6490

HASTINGS	TOTAL SEAL
2M5536	CR2690
2M5537	CR9190 195
2M5589	CR9190 250
2M5589 005	CR9190 255
2M5589 030	CR9190 280
2M5589 035	CR9190 285
2M5589 060	CR9130
2M5589 065	CR9130 5
2M5589 100	CR9150
2M5589 105	CR9150 5
2M5596	CRL9190 250
2M5596 005	CRL9190 255
2M5596 030	CRL9190 280
2M5596 035	CRL9190 285
2M5596 060	CRL9130
2M5596 065	CRL9130 5
2M5596 100	CRL9150
2M5596 105	CRL9150 5

# JE® Ring to Total Seal® Conversion

JE	TOTAL SEAL
J10008-4000-5	CRL3690 5
J10008-4010-0	CRL3690 10
J10008-4020-5	CRL3690 25
J10008-4030-5	CRL3690 35
J10008-4040-5	CRL3690 45
J10008-4060-5	CRL3690 65
J10008-4070-5	CRL7590 35
J10008-4080-5	CRL7590 45
J10008-4095-5	CRL3690 95
J10008-4120-5	CRL1008 5
J10008-4125-5	CRL0690 5
J10008-4130-5	CR7560 5
J10008-4135-5	CRL0690 15
J10008-4145-5	CRL0690 25
J10008-4155-5	CRL0690 35
J10008-4165-5	CRL0690 45
J10008-4185-5	CRL0690 65
J10008-4250-5	CRL9190 5
J10008-4280-5	CRL9190 35
J10008-4310-5	CRL9190 65
J10008-4320-5	CRL6490 5

JE	TOTAL SEAL
J10008-4350-5	CRL6490 35
J10008-4360-5	CRL6490 45
J10008-4375-5	CRL9190 130
J10008-4390-5	CRL2690 35
J10008-4440-5	CRL9190 195
J10008-4500-5	CRL9190 255
J10008-4530-5	CRL9190 285
J10008-4560-5	CRL9130 5
J10008-4600-5	CRL9150 5
J10008-4625-5	CRL3340 5
J100F8-4000-5	CR3690 5
J100F8-4010-5	CR3690 10
J100F8-4020-5	CR3690 25
J100F8-4030-5	CR3690 35
J100F8-4040-5	CR3690 45
J100F8-4060-5	CR3690 65
J100F8-4070-5	CR7590 35
J100F8-4080-5	CR7590 45
J100F8-4095-5	CR3690 95
J100F8-4120-5	CR1008 5
J100F8-4125-5	CR0690 5

JE	TOTAL SEAL
J100F8-4130-5	CRL7560 5
J100F8-4135-5	CR0690 15
J100F8-4145-5	CR0690 25
J100F8-4155-5	CR0690 35
J100F8-4165-5	CR0690 45
J100F8-4185-5	CR0690 65
J100F8-4250-5	CR9190 5
J100F8-4280-5	CR9190 35
J100F8-4310-5	CR9190 65
J100F8-4320-5	CR6490 5
J100F8-4350-5	CR6490 35
J100F8-4360-5	CR6490 45
J100F8-4375-5	CR9190 130
J100F8-4390-5	CR2690 35
J100F8-4440-5	CR9190 195
J100F8-4470-5	CR9190 225
J100F8-4500-5	CR9190 255
J100F8-4530-5	CR9190 285
J100F8-4560-5	CR9130 5
J100F8-4600-5	CR9150 5
J100F8-4625-5	CR3340 5

JE	TOTAL SEAL
J20008-4000-5	CRL4300 5
J20008-4020-5	CRL4300 25
J20008-4030-5	CRL4300 35
J20008-4040-5	CRL4300 45
J20008-4060-5	CRL4300 65
J20008-4125-5	CRL4301 5
J20008-4130-5	CRL4301 10
J20008-4145-5	CRL4301 25
J20008-4155-5	CRL4301 35
J20008-4280-5	CRL4302 5
J20008-4375-5	CRL4302 130
J20008-4440-5	CRL4302 195
J20008-4500-5	CRL4302 255
J20008-4530-5	CR4302 285
J20008-4560-5	CRL4304 5
J20008-4600-5	CRL4309 5
J200F8-4125-5	CR4301 5
J200F8-4530-5	CR4302 285
J200F8-4560-5	CR4304 5
J200F8-4600-5	CR4309 5
J30008-4000-5	CR1001 5

## PREFIX LEGEND:

### Gapless® top ring sets

**M** Maxseal, street / race  
**ML** Maxseal, low tension, race  
**MG** Maxseal, gold power low tension, race  
**MX** Maxseal Xtreme, Sport compact, street / race  
**MSL** Maxseal Steel top  
**MSL** Maxseal Steel top, low tension  
**MSG** Maxseal Steel top, gold power low tension  
**MT** TNT  
**MTL** TNT, low tension

### Gapless® 2<sup>nd</sup> ring sets

**S** Street  
**CL** Claimer (cast moly top ring)  
**T** TS1 Street / Race  
**TL** TS1 Race, low tension  
**TG** TS1 Race, gold power low tension  
**TS** TS1 Steel top  
**TSL** TS1 Steel top, low tension  
**TSG** TS1 Steel top, gold power low tension  
**TT** TNT  
**TTL** TNT, low tension  
**X** Xtreme, Sport compact, street / race

### Conventional sets

**C** Classic  
**CR** Classic Race  
**CRL** Classic Race, low tension  
**CRG** Classic Race, gold power low tension  
**CS** Classic Steel top  
**CSL** Classic Steel top, low tension  
**CSG** Classic Steel top, gold power low tension  
**CT** TNT  
**CTL** TNT, low tension

### USE

**S** Street  
**R** Race  
**S/R** Street or Race



**If you don't see it, call us,  
WE CAN DO IT!**

# JE® Ring to Total Seal® Conversion (continued)

JE	TOTAL SEAL
J30008-4010-5	CR1001 15
J30008-4020-5	CR1001 25
J30008-4030-5	CR1001 35
J30008-4040-5	CR1001 45
J30008-4060-5	CR1001 65
J30008-4070-5	CR1001 75
J30008-4080-5	CR1001 85
J30008-4095-5	CR1001 100
J30008-4120-5	CR1002
J30008-4125-5	CR1002 5
J30008-4130-5	CR1002 10
J30008-4135-5	CR1002 15
J30008-4145-5	CM1002 35
J30008-4155-5	CM1002 35
J30008-4165-5	CR1002 45
J30008-4185-5	CR1002 65
J30008-4500-5	CR1049 255
J30008-4600-5	CR1050 5
J40008-4000-5	CR4308 5
J40008-4020-5	CR4308 25
J40008-4030-5	CR4308 35
J40008-4040-5	CR4308 45
J40008-4060-5	CR4308 65
J40008-4125-5	CR4311 5
J40008-4155-5	CR4311 35
J40008-4600-5	CM4318 5
J50008-4000-5	TL3690 5
J50008-4020-5	TL3690 25
J50008-4030-5	TL3690 35
J50008-4040-5	TL3690 45
J50008-4060-5	TL3690 65
J50008-4080-5	TL7590 45
J50008-4120-5	TL1008 5
J50008-4125-5	TL0690 5
J50008-4130-5	TL7560 5
J50008-4135-5	TL0690 35
J50008-4145-5	TL0690 45
J50008-4155-5	TL0690 55
J50008-4165-5	TL0690 65
J500F8-4000-5	T3690 5
J500F8-4020-5	T3690 25

JE	TOTAL SEAL
J500F8-4030-5	T3690 35
J500F8-4040-5	T3690 45
J500F8-4060-5	T3690 65
J500F8-4080-5	T7590 45
J500F8-4120-5	T1008 5
J500F8-4125-5	T0690 5
J500F8-4130-5	T7560 5
J500F8-4135-5	T0690 35
J500F8-4145-5	T0690 45
J500F8-4155-5	T0690 55
J500F8-4165-5	T0690 65
J60008-4000-5	CRL2010 5
J60008-4020-5	CRL2010 25
J60008-4030-5	CRL2010 35
J60008-4040-5	CRL2010 45
J60008-4060-5	CRL2010 65
J60008-4080-5	CRL2010 85
J60008-4125-5	CRL2010 130
J60008-4135-5	CRL2010 140
J60008-4155-0	CRL2010 155
J600B8-4030-5	CRL2011 35
J600B8-4040-5	CRL2011 45
J600B8-4125-5	CRL2011 130
J600B8-4135-5	CRL2011 140
J600B8-4155-0	CRL2011 155
J70008-4000-5	CRL0010 5
J70008-4020-5	CRL0010 25
J70008-4030-5	CRL0010 35
J70008-4040-5	CRL0010 45
J70008-4060-5	CRL0010 65
J70008-4080-5	CRL0010 85
J70008-4120-5	CRL0010 125
J70008-4130-5	CRL0010 135
J70008-4145-5	CRL9010 25
J70008-4155-5	CRL9010 35
J70008-4165-5	CRL9010 45
J70008-4185-5	CRL9010 65
J70008-4190-5	CRG9010 70
J70008-4195-5	CRG9010 75
J70008-4205-5	CRG9010 85
J70018-4030-5	CR4308 35

JE	TOTAL SEAL
J70018-4060-5	CR4308 65
J70018-4080-5	CR4308 85
J70018-4125-5	CR4311 5
J70018-4130-5	CR4311 10
J70028-4600-5	CRL4010 5
J70028-4625-5	CRL4010 30
J70028-4675-5	CRL6010 5
J700B8-4000-5	CRL1010 5
J700B8-4030-5	CRL1010 35
J700B8-4040-5	CRL1010 45
J700B8-4060-5	CRL1010 65
J700B8-4130-5	CRL9011 10
J700B8-4155-5	CRL9011 35
J700B8-4165-5	CRL9011 45
J700B8-4600-5	CRL5010 5
J70D08-4000-5	CRL4315 5
J70D08-4020-5	CRL4315 25
J70D08-4030-5	CRL4315 35
J70D08-4040-5	CRL4315 45
J70D08-4060-5	CRL4315 65
J70D08-4080-5	CRL4315 85
J70D08-4125-5	CRL4316 5
J70D08-4130-5	CRL4316 10
J70D08-4155-5	CRL4316 35
J70D08-4600-5	CRL4309 5
J820F8-4030-5	CTL3690 35
J820F8-4040-5	CTL3690 45
J820F8-4060-5	CTL3690 65
J820F8-4125-5	CTL0690 5
J820F8-4155-5	CTL0690 35
J820F8-4165-5	CTL0690 45
J820F8-4185-5	CTL0690 65
J820F8-4280-5	CTL9190 35
J820F8-4310-5	CTL9190 65
J820F8-4500-5	CTL9190 255
J820F8-4600-5	CTL9190 285
J840F8-4125-5	CTL4301 5
J840F8-4155-5	CTL4301 35
J840F8-4165-5	CTL4301 45
J840F8-4185-5	CTL4301 65
J86008-4500-5	CTL4309 5

JE	TOTAL SEAL
J86008-4530-5	CTL4305 285
J86008-4560-5	CTL4304 5
J86008-4600-5	CTL4302 255
J86008-4600-5	CTL4302 255
J86008-4625-5	CTL4307 5
J880H8-4187-5	CT1701 65
J880H8-4310-5	CTL1702 65
J880H8-4375-5	CT1702 130
J910A8-4030-5	CS4701 35
J910A8-4040-5	CS4701 45
J910A8-4060-5	CS4701 65
J910A8-4080-5	CS4701 85
J910A8-4125-5	CS4702 5
J910A8-4135-5	CS4702 15
J910A8-4140-5	CS4702 20
J910A8-4145-5	CS4702 25
J910A8-4150-5	CS4702 30
J910A8-4155-5	CS4702 35
J910A8-4165-5	CS4702 45
J911A8-4000-5	CS4706 5
J911A8-4020-5	CS4706 25
J911A8-4030-5	CS4706 35
J911A8-4040-5	CS4706 45
J911A8-4060-5	CS4706 65
J911A8-4080-5	CS4706 85
J911A8-4125-5	CS4707 5
J911A8-4130-5	CS4707 10
J911A8-4155-5	CS4707 35
J911A8-4165-5	CS4707 45
J911A8-4185-5	CS4704 65
J911A8-4195-5	CS4704 75
J930A8-4030-5	CS4708 35
J930A8-4040-5	CS4708 45
J930A8-4060-5	CS4708 65
J930A8-4080-5	CS4708 85
J930A8-4125-5	CS4709 5
J930A8-4135-5	CS4709 15
J930A8-4155-5	CS4709 35

## PREFIX LEGEND:

### Gapless® top ring sets

- M** Maxseal, street / race
- ML** Maxseal, low tension, race
- MG** Maxseal, gold power low tension, race
- MX** Maxseal Xtreme, Sport compact, street / race
- MS** Maxseal Steel top
- MSL** Maxseal Steel top, low tension
- MSG** Maxseal Steel top, gold power low tension

### (continued)

- MT** TNT
- MTL** TNT, low tension
- Gapless® 2nd ring sets**
- S** Street
- CL** Claimer (cast moly top ring)
- T** TS1 Street / Race
- TL** TS1 Race, low tension

### (continued)

- TG** TS1 Race, gold power low tension
- TS** TS1 Steel top
- TSL** TS1 Steel top, low tension
- TSG** TS1 Steel top, gold power low tension
- TT** TNT
- TTL** TNT, low tension
- X** Xtreme, Sport compact, street / race



**If you don't see it, call us,  
WE CAN DO IT!**

# Sealed Power to Total Seal® Interchange

See page 44 for set descriptions.

## EXAMPLES

SEALED POWER	HASTINGS	TS1 GAPLESS® 2ND RINGS	AP STEEL GAPLESS® 2ND RINGS	TNT™ GAPLESS® 2ND RINGS	MAXSEAL GAPLESS® TOP RINGS	AP STEEL GAPLESS® TOP RINGS	TNT™ GAPLESS® TOP RINGS	CLASSIC RACE CONV	AP STEEL CONV	TNT™ CONV	OVERSIZE
R9771 STD		T3690	TS3690	TT3690	M3690	MS3690	MT3690	CR3690	CS3690	CT3690	
R9771 5		T3690 5	TS3690 5	TT3690 5	M3690 5	MS3690 5	MT3690 5	CR3690 5	CS3690 5	CT3690 5	
R9771 35		T3690 35	TS3690 35	TT3690 35	M3690 35	MS3690 35	MT3690 35	CR3690 35	CS3690 35	CT3690 35	

SEALED POWER	HASTINGS	TS1 GAPLESS® 2ND RINGS	AP STEEL GAPLESS® 2ND RINGS	TNT™ GAPLESS® 2ND RINGS	MAXSEAL GAPLESS® TOP RINGS	AP STEEL GAPLESS® TOP RINGS	TNT™ GAPLESS® TOP RINGS	CLASSIC RACE CONV	AP STEEL CONV	TNT™ CONV	OVERSIZE
R5875	2M5503	TL0660						CRL0660			STD-30-60
R5877		T9090			M9090			CR9090			35
R5878		NA									
R5879	2M5513	T0190			M0190			CR0190			5-35-45-65
R5882	2M5518	T2090			M2090			CR2090			STD-30-60
R5883		T5460			M5460			CR5460			35
R5942	2M5514	TL2090			ML2090			CRL2090			5-30-35-45-60-65
R5959		T0390	TS0390	TT0390	M0390	MS0390	MT0390	CR0390	CS0390	CT0390	5-35-65
R6375	C5534	NA						C0690			STD-30-40-60
R6902	C5532	NA						C3690			STD 30 40 60
R6904		NA									
R8375	CM5534				NA			C0690			STD-30-60
R8902	CM5532				NA			C3690			STD-30-60
R8904					NA			C9190			STD-30-60
R9140	2M5517	TL7155			ML7155			CRL7155			5-35
R9210	2M5512	TL1460			ML1460			CRL1460			5-35-65
R9211		TL1490			ML1490			CRL1490			5-35-65
R9219		T4950			M4950			CR4950			35
R9220		NA									
R9221		T5950			M5950			CR5950			5-35-65
R9223	2M5516	T5090			M5090			CR5090			5-35
R9224		T3290			M3290			CR3290			5-35-45-65
R9228		T4460			M4460			CR4460			35-45-65
R9229		NA									
R9255	2M5524	TL5490			ML5490			CRL5490			5-35-65
R9278	2M5520	TL6490	TSL6490		ML6490	MSL6490		CRL6490	CSL6490		5-35-45-65
R9280		TL7560	TSL7560		ML7560	MSL7560		CRL7560	CSL7560		5-15-25-35-65
R9281	2M5525	TL1006			ML1006			CRL1006			5-35-65
R9332		TL9190 195	TSL9190 195	TTL9190 195	ML9190 195	MSL9190 195	MTL9190 195	CRL9190 195	CSL9190 195	CTL9190 195	
R9342	2M5521	T0390	TS0390	TT0390	M0390	MS0390	MT0390	CR0390	CS0390	CT0390	5-25-35-45-65
R9343	2M5508	T9090			M9090			CR9090			5-25-35-45-65
R9344	2M5515	TL9190	TSL9190	TTL9190	ML9190	MSL9190	MTL9190	CRL9190	CSL9190	CTL9190	5-25-35-65-105-130-150-195-225-255-285
R9345		TL5390			ML5390			CRL5390			5-35
R9346	2M5510	TL0690	TSL0690	TTL0690	ML0690	MSL0690	MTL0690	CRL0690	CSL0690	CTL0690	5-15-25-35-45-65
R9349	2M5542	TL2455	TSL2455		ML2455	MSL2455		CRL2455	CSL2455		5-35
R9357		TL7590			ML7590			CRL7590			35-45-65
R9374	2M5536	TL2690	TSL2690		ML2690	MSL2690		CRL2690	CSL2690		5-35-65
R9401	2M5505	TL3690	TSL3690	TTL3690	ML3690	MSL3690	MTL3690	CRL3690	CSL3690	CTL3690	5-15-25-35-45-65-95-105
R9406	2M5519 125	TL9190 130	TSL9190 130	TTL9190 130	ML9190 130	MSL9190 130	MTL9190 130	CRL9190 130	CSL9190 130	CTL9190 130	
R9453		TL3690	TSL3690	TTL3690	ML3690	MSL3690	MTL3690	CRL3690	CSL3690	CTL3690	5-35-65
R9519		TL9519			ML9519			CRL9519			5-35-65
R9542		TL0355			ML0355			CRL0355			5
R9548	2M3455	TL3455	TSL3455		ML3455	MSL3455		CRL3455	CSL3455		5-35-45-65
R9590	2M5518	T2090			M2090			CR2090			5-35-45-65
R9600		TL3105						CRL3105			5-35
R9602	2M5544	TL4455			ML4455			CRL4455			STD-5-25-35-45
R9621		TL1005			ML1005			CRL1005			5-35-65
R9637		TL7369			ML7369			CRL7369			5-35
R9650	2M5545	T5455			M5455			CR5455			STD-5-20-30-35-45
R9681		TL3106			NA			CRL3106			5-35-65
R9745	2M5519	T9190	TS9190	TT9190	M9190	MS9190	MT9190	CR9190	CS9190	CT9190	5-25-35-65-105-130-150-195-225-255-285

CONV = Conventional



# Sealed Power to Total Seal® Interchange (continued)

See page 44 for set descriptions.

SEALED POWER	HASTINGS	TS1 GAPLESS® 2ND RINGS	AP STEEL GAPLESS® 2ND RINGS	TNT™ GAPLESS® 2ND RINGS	MAXSEAL GAPLESS® TOP RINGS	AP STEEL GAPLESS® TOP RINGS	TNT™ GAPLESS® TOP RINGS	CLASSIC RACE CONV	AP STEEL CONV	TNT™ CONV	OVERSIZE
R9755	2M5522	T1490			M1490			CR1490			5-35-65
R9767		TL7190			ML7190			CRL7190			5-35-65
R9771	2M5523	T3690	TS3690	TT3690	M3690	MS3690	MT3690	CR3690	CS3690	CT3690	5-15-25-35-45-65-95-105
R9772			TS3690	TT3690		MS3690	MT3690		CS3690	CT3690	5-35-65
R9785		TL4306	TSL4306		ML4306	MSL4306		CRL4306	CSL4306		35-65
R9786		TL4300	TSL4300		ML4300	MSL4300		CRL4300	CSL4300		5-10-25-35-45-65
R9787		TL4301	TSL4301	TTL4301	ML4301	MSL4301	MTL4301	CRL4301	CSL4301	CTL4301	5-35-65
R9788		TL4302	TSL4302		ML4302	MSL4302		CRL4302	CSL4302		5-35-65-130-195-255-285
R9789		TL4302 130	TSL4302 130		ML4302 130	MSL4302 130	CRL4302 130	CSL4302 130			
R9798	2M5528	T6490	TS6490		M6490	MS6490		CR6490	CS6490		5-35-45-65
R9799		T9190 130	TS9190 130	TT9190 130	M9190 130	MS9190 130	MT9190 130	CR9190 130	CS9190 130	CT9190 130	
R9840		TL0489			ML0489			CRL0489			5-15-25-35-45-65
R9901	2M5506	T0660			M0660			CR0660			STD-5-30-35-65
R9902	2M5523	T3690			M3690			CR3690			STD-10-20-30-40-60
R9903	2M5508	T9090			M9090			CR9090			STD-10-20-30-40-60
R9904	2M5519	T9190			M9190			CR9190			STD-30-60
R9905	2M5518	T2090			M2090			CR2090			STD-30-60
R9941		TL3100	TSL3100					CRL3100	CSL3100		5-25-35-65
R9967	2M5522	T1490			M1490			CR1490			STD-30-40-60
R9968	2M5521	T0390			M0390			CR0390			STD-30-40-60
R9985		TL5899	TSL5899		ML5899	MSL5899		CRL5899	CSL5899		5-15-25-35
R9988		NA									
R10202	2M5501	T1003	TS1003	TT1003	M1003	MS1003	MT1003	CR1003	CS1003	CT1003	5-15-25-30-35-45-55
R10127		TL7210			ML7210			CRL7210			5-35
R10133 5		T9190 195	TS9190 195	TT9190 195	M9190 195	MS9190 195	MT9190 195	CR9190 195	CS9190 195	CT9190 195	
R10133 35		T9190 225	TS9190 225		M9190 225	TS9190 225		CR9190 225	CS9190 225		
R10133 65		T9190 255	TS9190 255	TT9190 255	M9190 255	TS9190 255	MT9190 255	CR9190 255	CS9190 255	CT9190 255	
R10136			TS0690	TT0690		MS0690	MT0690		CS0690	CT0690	5-35
R10144		NA									
R10177		TL3102	TSL3102		NA			CRL3102	CSL3102		5-35-65
R10185		NA									
R10202		T1003	TS1003	TT1003	M1003	MS1003	MT1003	CR1003	CS1003	CT1003	5-15-25-35-45-55
R10206		TL1003	TSL1003	TTL1003	ML1003	MSL1003	MTL1003	CRL1003	CSL1003	CTL1003	35-45
R10230	2M5545	TG5455			MG5455			CRG5455			5-35
R10246	2M598	T8950			M8950			CR8950			5-35-45-65
R10248	2M5529	T0690	TS0690	TT0690	M0690	MS0690	MT0690	CR0690	CS0690	CT0690	5-15-25-35-45-65
R10249		T3460			M3460			CR3460			5-35-45-65
R10277		NA									
R10279		NA									
R10280		NA									
R10294		T4920			M4920			CR4920			5-35
R10295		TL4920			ML4920			CRL4920			35-65
R10306		TL3102	TSL3102	TTL3102				CRL3102	CSL3102	CTL3102	5
R10315	2M5522	T1490			M1490			CR1490			5-35-65
R10316 5		TL4302 255	TSL4302 255	TTL4302 255	ML4302 255	MSL4302 255	MTL4302 255	CRL4302 255	CSL4302 255	CTL4302 255	
R10316 35		TL4302 285	TSL4302 285	TTL4302 285	ML4302 285	MSL4302 285	MTL4302 285	CRL4302 285	CSL4302 285	CTL4302 285	
R10317 5		TL9190 255	TSL9190 255	TTL9190 255	ML9190 255	MSL9190 255	MTL9190 255	CRL9190 255	CSL9190 255	CTL9190 255	
R10317 35		TL9190 285	TSL9190 285	TTL9190 285	ML9190 285	MSL9190 285	MTL9190 285	CRL9190 285	CSL9190 285	CTL9190 285	
R10318		TL4304	TSL4304	TTL4304	ML4302	MSL4304	MTL4304	CRL4302	CSL4304	CTL4304	5-45
R10319		TL9130	TS9130	TTL9130	ML9130	MSL9130	MTL9130	CRL9130	CSL9130	CTL9130	5-45
R10331 5		T4302 130	TS4302 130		M4302 130	MS4302 130		CR4302 130	CS4302 130		
R10332	2M5561	T0290			M0290			CR0290			35-45
R10336		NA									
R10339		T9330			M9330			CR9330			5
R10343		NA									
R10374	2M661	T0190			M0190			CR0190			STD-30-40-60
R10375	2M5529	T0690			M0690			CR0690			STD-10-20-30-40-60
R10379	2M5529	T0690	TS0690	TT0690	M0690	MS0690	MT0690	CR0690	CS0690	CT0690	5-25-35-45-65
R10381	2M4206	T6024			M6024			CR6024			STD-20-25-30-40
R10393		T4300	TS4300	TT4300	M4300	MS4300	MT4300	CR4300	CS4300	CT4300	5-10-25-35-45-65
R10433		TL3340	TS3340	TT3340	ML3340	MS3340	MT3340	CRL3340	CS3340	CT3340	5

CONV = Conventional



# Sealed Power to Total Seal® Interchange (continued)

See page 44 for set descriptions.

SEALED POWER	HASTINGS	TS1 GAPLESS® 2ND RINGS	AP STEEL GAPLESS® 2ND RINGS	TNT™ GAPLESS® 2ND RINGS	MAXSEAL GAPLESS® TOP RINGS	AP STEEL GAPLESS® TOP RINGS	TNT™ GAPLESS® TOP RINGS	CLASSIC RACE CONV	AP STEEL CONV	TNT™ CONV	OVERSIZE
R10434		T9945			M9945			CR9945			STD-5-30-35-40-45-60-65
R10437		T2165			M2165			CR2165			5-25-35-45
R10441		T9130	TS9130	TT9130	M9130	MS9130	MT9130	CR9130	CS9130	CT9130	5-45
R10450		T4304	TS4304	TT4304	M4304	MS4304	MT4304	CR4304	CS4304	CT4304	5-45
R10451 5		T9190 255	TS9190 255	TT9190 255	M9190 255	MS9190 255	MT9190 255	CR9190 255	CS9190 255	CT9190 255	
R10451 35		T9190 285	TS9190 285	TT9190 285	M9190 285	MS9190 285	MT9190 285	CR9190 285	CS9190 285	CT9190 285	
R10452 5		TL4302 255	TSL4302 255	TTL4302 255	M4302 255	MSL4302 255	MTL402 255	CR4302 255	CSL4302 255	CTL4302 255	
R10470		TL6434	TSL6434 5		ML6434	MSL6434		CRL6434	CSL6434		5-25-35-45-65
R10471		T6434			M6434			CR6434			STD-30-40
R10472	CM5530	T6434	TS6434		M6434	MS6434		CR6434	CS6434		5-25-35-45-65
R10473	2M5499	TL9945			ML9945			CRL9945			5-35-45-65
R10474	2M5499	T9945			M9945			CR9945			5-35-45-65
R10498	2M5503	TL0660						CRL0660			STD-30-60
R10499		T2165			M2165			CR2165			STD-30-60
R10500		NA									
R10504		NA									
R10510	2M5522	T1490			M1490			CR1490			STD -5-30-35-60-65
R10515		T3024			M3024			CR3024			STD-30-40
R10516		T6150			M6150			CR6150			20-40
R10519		TL9150			ML9150			CRL9150			5
R10517		T3024			M3024			CR3024			5-25-35-45-65
R10575		T5750			M5750			CR5750			5
R10576	2M5527	TL7255			ML7255			CRL7255			STD-5-20-25-30-35-40-45-55-65
R10585		TL5850		TTL5850	ML5850		MTL5850	CRL5850		CTL5850	5
R10586		TL6850			ML6850			CRL6850			5
R10593	2M692	T2690			M2690	MS2690		CR2690			STD-30
R10595		NA									
R10601		T2690	TS2690		M2690	MS2690		CR2690	CS2690		5-35-65
R19100			TS3690	TT3690		MS3690	MT3690		CS3690	CT3690	5-35-45-65
R19101			TS0690	TT0690		MS0690	MT0690		CS0690	CT0690	5-35-45-65
R19102			TS9190	TT9190		MS9190	MT9190		CS9190	CT9190	35-65
R19103			TS6490	TT6490		MS6490	MT6490		CS6490	CT6490	35
R19104			TS2690	TT2690		MS2690	MT2690		CS2690	CT2690	35
R19105			TS9190 130	TT9190 130		MS9190 130	MT9190 130		CS9190 130	CT9190 130	
R19106			TS9190 195	TT9190 195		MS9190 195	MT9190 195		CS9190 195	CT9190 195	
R19107 5			TS9190 255	TT9190 255		MS9190 255	MT9190 255		CS9190 255	CT9190 255	
R19107 35			TS9190 285	TT9190 285		MS9190 285	MT9190 285		CS9190 285	CT9190 285	
R19107 65				TT9130 5			MT9130 5			CT9130 5	
R19108				TT4309			MT4309			CT4309	5
R19109				TT9150			MT9150			CT9150	5
R19110				TT4307 55			MT4307 55			CT4307 55	
R20100		TG0010	TS0010	TT0010	MG0010	MS0010	MT0010	CRG0010	CS0010	CT0010	5-25-35-45-65
R20101		TG1010	TS1010	TT1010	MG1010	MS1010	MT1010	CRG1010	CS1010	CT1010	5-25-30-35-40-45
R20102		TG2010	TS2010		MG2010	MS2010		CRG2010	CS2010		5-25-35-45-65-85-130
R20104		TG4010	TS4010	TT4010	MG4010	MS4010	MT4010	CRG4010	CS4010	CT4010	5-30
R20105		TG5010	TS5010	TT5010	MG5010	MS5010	MT5010	CRG5010	CS5010	CT5010	5-30-50
R20106		TG6010	TS6010	TT6010	MG6010	MS6010	MT6010	CRG6010	CS6010	CT6010	5-30
R20107		T1001	TS1001	TT1001	M1001	MS1001	MT1001	CR1001	CS1001	CT1001	5-25-35-45-68-85
R20108		T1002	TS1002	TT1002	T1002	MS1002	MT1002	CR1002	CS1002	CT1002	5
R20109		TG9010	TS9010	TT9010	MG9010	MS9010	MT9010	CRG9010	CS9010	CT9010	STD-5-10-35-45-65
R20112		TG4325	TS4325		MG4325	MS4325		CRG4325	CS4325		5
R20113		TG4325 255	TS4325 255		MG4325 255	MS4325 255		CRG4325 255	CS4325 255		

CONV = Conventional

**Sealed Power to Total Seal® Interchange**  
**Now Available Online** →



# Conversion Charts

## DECIMAL EQUIVALENTS

FRACTION	DECIMAL	FRACTION	DECIMAL	FRACTION	DECIMAL	FRACTION	DECIMAL	FRACTION	DECIMAL	FRACTION	DECIMAL
1/64	.0156	3/16	.1875	23/64	.3594	17/32	.5312	45/64	.7031	7/8	.875
1/32	.0312	13/64	.2031	3/8	.375	35/64	.5469	23/32	.7187	57/64	.8906
3/64	.0469	7/32	.2187	25/64	.3906	9/16	.5625	47/64	.7344	29/32	.9062
1/16	.0625	15/64	.2344	13/32	.4062	37/64	.5781	3/4	.750	59/64	.9219
5/64	.0781	1/4	.250	27/64	.4219	19/32	.5937	49/64	.7656	15/16	.9375
3/32	.0937	17/64	.2656	7/16	.4375	39/64	.6094	25/32	.7812	61/64	.9531
7/64	.1094	9/32	.2812	29/64	.4531	5/8	.625	51/64	.7969	31/32	.9687
1/8	.125	19/64	.2969	15/32	.4687	41/64	.6406	13/16	.8125	63/64	.9844
9/64	.1406	5/16	.3125	31/64	.4844	21/32	.6562	53/64	.8281	1	1.000
5/32	.1562	21/64	.3281	1/2	.500	43/64	.6719	27/32	.8437		
1/64	.1719	11/32	.3437	33/64	.5156	11/16	.6875	55/64	.8594		

## CONVERSION TABLE - MILLIMETERS TO INCHES

MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES
.1	.00394	27	1.06299	62	2.44094	97	3.81889	132	5.19684	167	6.57479
.2	.00787	28	1.10236	63	2.48031	98	3.85826	133	5.23621	168	6.61416
.3	.01181	29	1.14173	64	2.51968	99	3.89763	134	5.27558	169	6.65353
.4	.01575	30	1.18110	65	2.55905	100	3.93700	135	5.31495	170	6.69290
.5	.01969	31	1.22047	66	2.59842	101	3.97637	136	5.35432	171	6.73227
.6	.02362	32	1.25984	67	2.63779	102	4.01574	137	5.39369	172	6.77164
.7	.02756	33	1.29921	68	2.67716	103	4.05511	138	5.43306	173	6.81101
.8	.03150	34	1.33858	69	2.71653	104	4.09448	139	5.47243	174	6.85038
.9	.03543	35	1.37795	70	2.75590	105	4.13385	140	5.51180	175	6.88975
1	.03937	36	1.41732	71	2.79527	106	4.17322	141	5.55117	176	6.92912
2	.07874	37	1.45669	72	2.83464	107	4.21259	142	5.59054	177	6.96849
3	.11811	38	1.49606	73	2.87401	108	4.25196	143	5.62991	178	7.00786
4	.15748	39	1.53543	74	2.91338	109	4.29133	144	5.66928	179	7.04723
5	.19685	40	1.57484	75	2.95275	110	4.33070	145	5.70865	180	7.08660
6	.23622	41	1.61417	76	2.99212	111	4.37007	146	5.74802	181	7.12597
7	.27559	42	1.65354	77	3.03149	112	4.40944	147	5.78739	182	7.16534
8	.31496	43	1.69291	78	3.07086	113	4.44881	148	5.82676	183	7.20471
9	.35433	44	1.73228	79	3.11023	114	4.48818	149	5.86613	184	7.24408
10	.39370	45	1.77165	80	3.14960	115	4.52755	150	5.90550	185	7.28345
11	.43307	46	1.81102	81	3.18897	116	4.56692	151	5.94487	186	7.32282
12	.47244	47	1.85039	82	3.22834	117	4.60629	152	5.98424	187	7.36219
13	.51181	48	1.88976	83	3.26770	118	4.64566	153	6.02361	188	7.40156
14	.55118	49	1.92913	84	3.30708	119	4.68503	154	6.06298	189	7.44093
15	.59055	50	1.96850	85	3.34645	120	4.72440	155	6.10235	190	7.48030
16	.62992	51	2.00787	86	3.38582	121	4.76377	156	6.14172	191	7.51967
17	.66929	52	2.04724	87	3.42519	122	4.80314	157	6.18109	192	7.55914
18	.70866	53	2.08661	88	3.46456	123	4.84251	158	6.22046	193	7.59841
19	.74803	54	2.12598	89	3.50395	124	4.88188	159	6.25983	194	7.63778
20	.78740	55	2.16535	90	3.54330	125	4.92125	160	6.29920	195	7.67715
21	.82677	56	2.20472	91	3.58267	126	4.96062	161	6.33857	196	7.71652
22	.86614	57	2.24409	92	3.62204	127	5.00000	162	6.37794	197	7.75589
23	.90551	58	2.28346	93	3.66141	128	5.03936	163	6.41731	198	7.79526
24	.94488	59	2.32283	94	3.70078	129	5.07873	164	6.45668	199	7.83463
25	.98425	60	2.36220	95	3.74015	130	5.11810	165	6.49605	200	7.87400
26	1.02362	61	2.40157	96	3.77952	131	5.15747	166	6.53542		



**If you don't see it, call us,  
WE CAN DO IT!**

# Terms and Conditions of Sale

## SALES POLICY:

All orders will be priced according to our current price schedule. Due to the rising costs of labor and production we reserve the right to change prices without notification.

## TERMS:

2% Discount on 10 days or Net 30 Days. 2% Discount allowed if paid in 10 days or less following the date on invoice. Open accounts are due and payable 30 days following the invoice date. Interest will be charged on all balances past due at the rate of 1.5% per month (18% APR). VISA, MASTERCARD, DISCOVER and AMEX are accepted. No discounts are given on C.O.D. or Bank Card shipments. All custom made sets must be prepaid.

## SALES TAX:

Non-refundable sales tax will be charged on all invoices to customers in Arizona that do not have a resale card on file with us at time of invoicing.

## WARRANTY DISCLAIMER:

Total Seal<sup>®</sup>, Inc. products are warranted to be free from defects in material and workmanship. It is the responsibility of the purchaser to inspect all the goods carefully before use. Any returns are to be made before the product is used.

Due to the nature of high performance applications, the parts in this catalog are sold without any expressed or implied warranty of merchantability or fitness for a particular purpose. Total Seal<sup>®</sup> shall not, under any circumstances, be liable for any special, consequential or incidental damages, including but not limited to loss of profits or revenue, loss of other property or equipment, cost of purchased or replacement of goods, or claims of customers of the purchaser, which may arise and/or result from the sale, installation or use of these parts.

Installation of these parts could adversely affect the vehicle manufacturer's warranty coverage. Subject to applicable state law. Some items may not be legal for use in CA on pollution controlled vehicles.

## RETURNED GOODS:

All sales are final. No refunds will be made. All corrections will be handled by credits to your account or exchanges. Credits or exchanges will be subject to a 15% handling charge and must be completed within 45 days of purchase, or they will be considered invalid.

No returned merchandise will be accepted without prior authorization. Any request to return unused goods must be made within 30 days of purchase date.

All returning goods must be accompanied with an SRO# and a copy of the invoice and must be shipped with freight prepaid.

No returns will be allowed on custom orders.

**Annual Return Policy:** 2% of annual sales. **SRO is required in advance.**

## CUSTOMER GOODS:

Pistons, rings, and other customer goods sent in to Total Seal<sup>®</sup> for modification are accepted at customer's risk. Reasonable care will be taken; however, Total Seal<sup>®</sup> will not be responsible for modifications correctly accomplished to the customer's specifications or other related losses.

## SHIPPING:

All orders will be shipped by the fastest, most economical way unless otherwise specified. All shipments are F.O.B. Phoenix, Arizona.

When necessary we are able to drop-ship orders. The Total Seal<sup>®</sup> fee for this service is \$5.00 per shipment. All shipments are charged a \$4.25 packaging/handling fee. All orders requiring special handling, i.e. must go a.s.a.p., will receive a \$25.00 fast charge.

Total Seal<sup>®</sup> reserves the right to make changes in design, specifications, materials, or make product changes without incurring liability or obligation with respect to similar product previously manufactured.

## DISTRIBUTION INFORMATION:

### General Notes:

### Pro-Jobber Qualification:

A new customer with an established automotive business may purchase piston rings at the "Pro-Jobber" price which is 10% below the Racer price. Pro-Jobbers (P) may convert to Jobber status by completing their \$2,500.00 "Buy in" over a two month period. Pro-Jobbers do not receive referrals, regular mailing, new catalogs, etc., automatically. Established Jobbers (J) and Warehouse Distributors (WD) are on our mailing list and automatically receive newsletters, updates, new product notices, advance price change notices, etc. In addition, referrals from written and phone inquiries are made only to established customers. Co-op advertising, special programs and promotions, etc., are available only to established WDs.

### Jobber Qualification:

A \$2,500.00 initial order and a 2 set per month minimum is required to maintain Jobber status.

### Warehouse Distributors Qualification:

A \$7,500.00 initial order and a 10 set per month minimum is required to maintain Warehouse Distributors status.



***If you don't see it, call us,  
WE CAN DO IT!***



Pip Mark on Top Side



# Joe Moriarty

February 11, 1928 - June 1, 2016

Innovator, Inventor,  
Racer, Pilot and  
Visionary Founder of  
Total Seal Piston Rings

