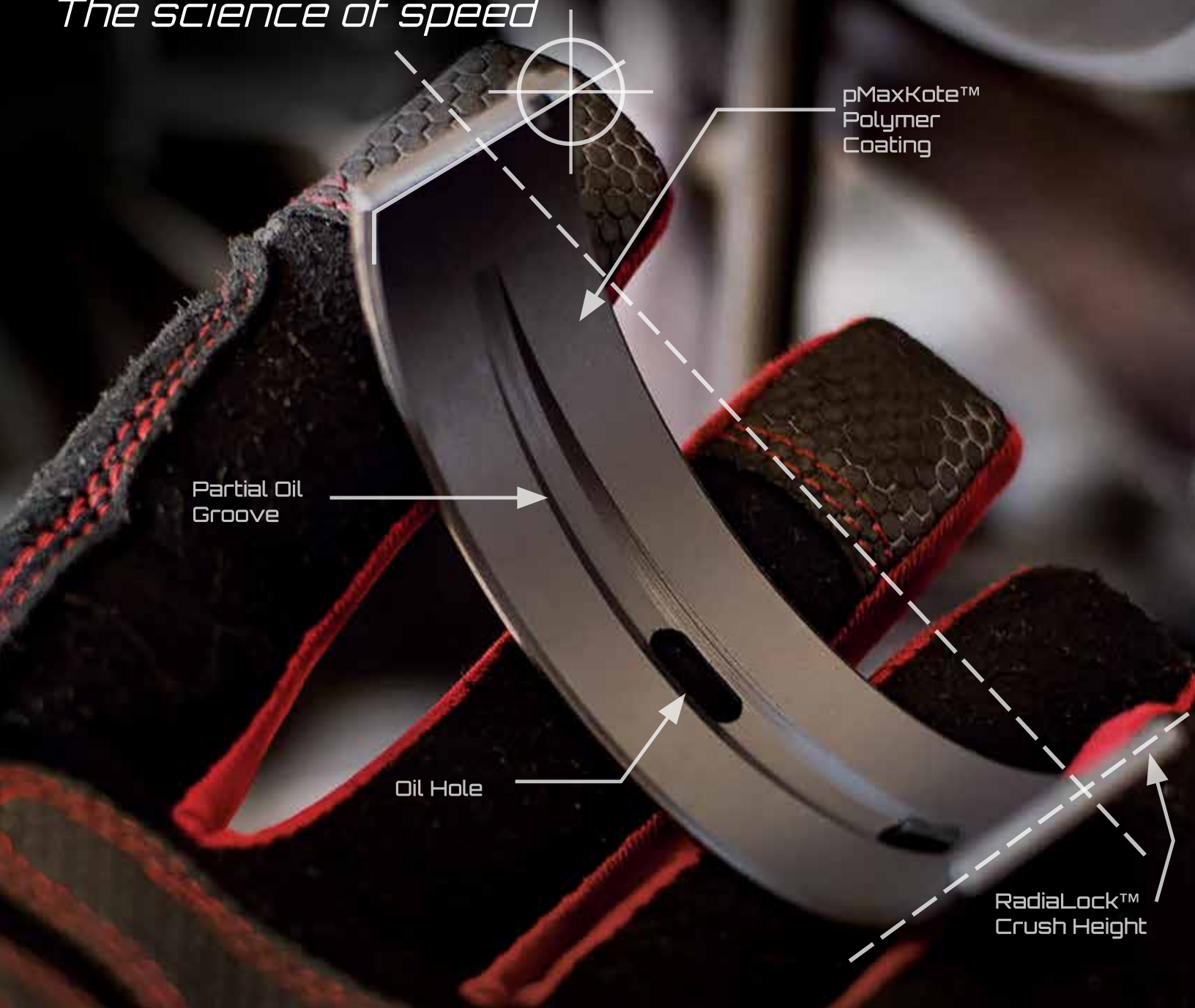


KING RACING


HIGH PERFORMANCE BEARINGS

The science of speed



RACING APPLICATION GUIDE
2025-2026

Choose The Right Material

	HP SERIES	XP SERIES	XPC SERIES	TFC SERIES	GPC SERIES
					
	aka Flecular™	aka pMaxBlack™	aka pMaxKote™	aka TOP FUEL	aka SILVER
Metal Structure	Bi-Metal Aluminum Silicon Alloy	Tri-Metal Copper-lead, Hardened Overlay	Tri-Metal Copper-lead, Hardened Overlay, Coated	Tri-Metal Strengthened Steel, Ductile Copper-lead, Coated	Tri-Metal Silver Overlay, Coated
Competition Type	For applications requiring a harder than Babbitt top layer to better resist extrusion & material migration (drag racing, monster truck, tractor pull). Also for all other applications using nodular cast iron crankshafts.	Circle track, drag racing, offshore, and other applications using steel crankshafts.	Circle track, drag racing, offshore, and other applications using steel crankshafts. Polymer Coated.	Top Fuel Dragster, Top Alcohol Dragster, Funny Car, Pro Mod	Diesel Performance, Sprint Cars
Load Characteristics	High load/short duration or medium load/long duration	High load/long duration	High load/long duration	Extra high load/short duration	Very high load/long duration
Melting Temperature	 450 F°	 350 F°	 350 F°	 480 F°	 350 F°
Load Capacity					
Conformability Embeddability					
Anti-seizure					
Special Attributes	Designed for high loads for short durations	Race geometrical features like U-groove™, ElliptiX™, RadiaLock™	pMaxKote™ polymer coating operates as a solid lubricant	Contains special ductile bronze, extra thick Babbitt & K-40 polymer	Lead-free copper, silver overlay & polymer coating

Continuously Pushing the Limits

Today's race engines make more power than ever before. Yesterday's engine bearing load capacity no longer works today... and tomorrow's race engines will be even more powerful. There's a need to meet these demands with higher bearing design standards and improved materials.

King Racing's XP (pMaxBlack™) series of rod and main bearings was developed to meet these challenges through technologically advanced geometrical features and a unique metal structure. Together, they drive the industry to a new level of durability and performance.



pMaxBlack™

Superior load capacity

A unique tri-metal structure developed to meet the ongoing demand for increased engine bearing load capacity.

- 24% stronger overlay
- 17% more fatigue resistance
- SecureBond™ - A micro-etch process that improves multi-layer adhesion and structural integrity
- Compatible with all crankshafts

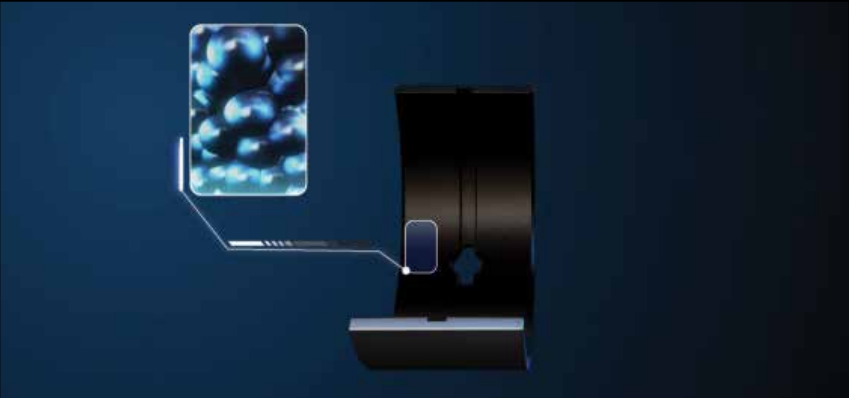
Intermediate layer:

- Copper based alloy strengthened by 4.5% tin
- Industry's highest hardness level - 115HV
- Load capacity - 17,000 PSI

Overlay:

- Strengthened by 5% copper
- Industry's highest hardness level - up to 18.1HV
- Fatigue resistance - 10,200 PSI

Breakthrough hardening technology



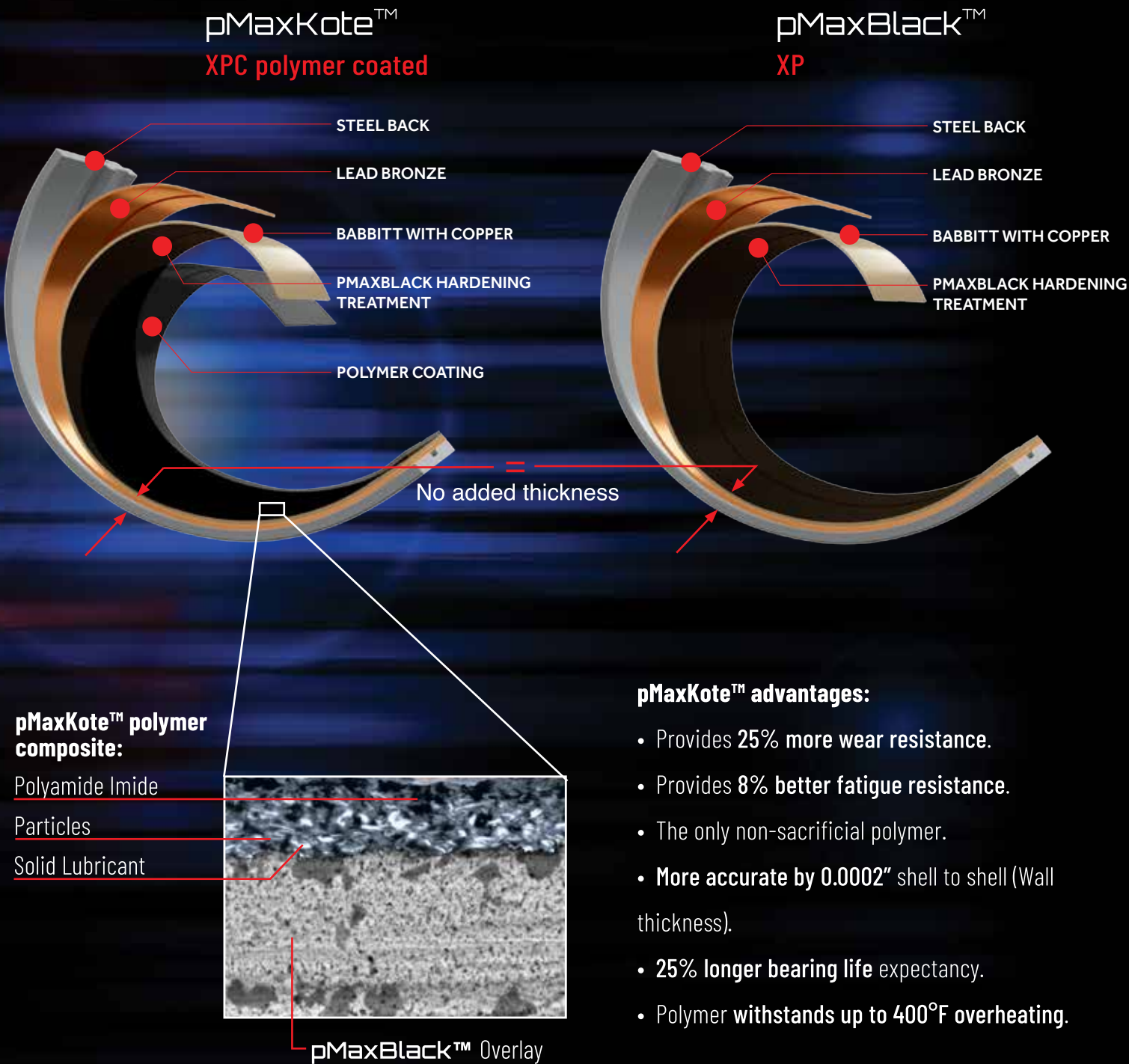
King Racing's new hardening technology modifies the overlay's molecular structure and creates a fatigue resistant shield, capable of carrying 24% more load.

King Racing Coating Solutions

pMaxKote™

King's factory applied nano-composite polymer coating

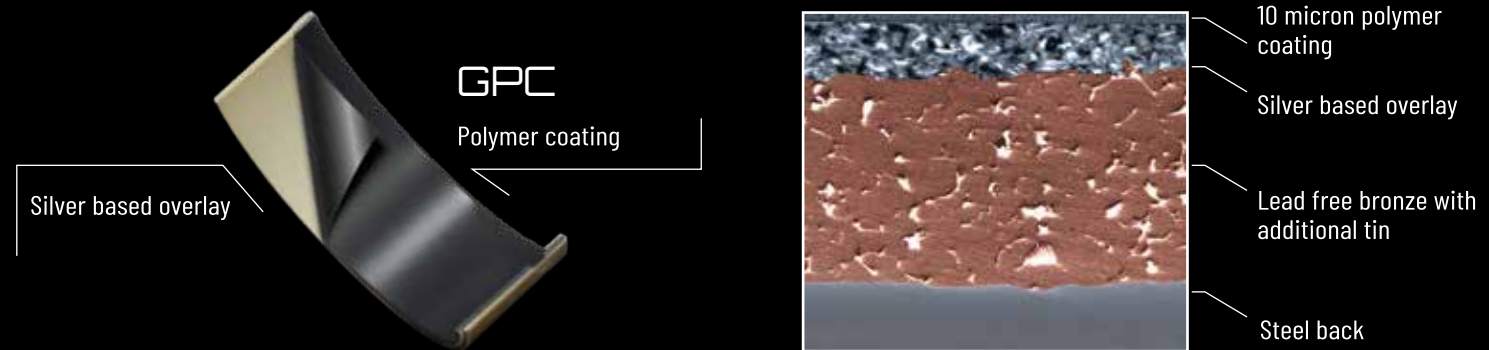
King's factory applied, proprietary nano-composite polymer coating (pMaxKote™) is a revolutionary approach to coated bearings. It improves wear resistance and protects bearings during periods of marginal lubrication.



GPC - Silver Composite, Polymer Coated

The solution for extreme loads

King's new GPC is a tri-metal material that handles 17,000 PSI compared to available race materials that peak at 11,000 PSI. GPC, the polymer coated version of the SV composite, features an intermediate lead-bronze layer over steel, topped by a silver overlay containing solid lubricant particles. GPC's polymer coating helps protect the bearings in case of oil starvation and metal-to-metal contact.

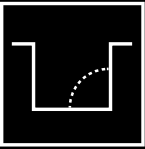


GPC Applications Range

Make	Application	Rod Bearing	Main Bearing
DIESEL PERFORMANCE			
DODGE/CUMMINS	5.9L B series	CR1035GPC	MB7009GPC (single flange upper) MB7119GPC (double flange)
DODGE/CUMMINS	6.7L B series		MB7009GPC (single flange upper)
FORD	6.7L Powerstroke, 32V Diesel	CR8056GPC	MB5836GPC
GENERAL MOTORS	403 6.6L Turbo 32v V8 Duramax	CR8037GPC (connecting rods marked B) CR8059GPC (connecting rods marked A)	MB5724GPC MB5848GPC (housing +0.040")
SPORT COMPACT			
AUDI / VW	2.0L TFSI EA888 Gen 2	CR4637GPC	MB5778XP
AUDI / VW	2.0L TFSI EA888 Gen 3	CR4637GPC	MB5779XP
AUDI / VW	2.5L TFSI (CEPA/CEPB) TTRS, RS3, RS Q3	CR5000GPC	MB 639XP
BMW	2.0L DOHC 16v N20B20, N26B20	CR 222GPC	MB5784SI*
BMW	3.0L DOHC 24v N54B30 / N55B30	CR 222GPC	MB7776GPC
BMW	3.0L DOHC 24V S58B30A	CR6905GPC	
BMW	3.0L Toyota Supra GR	CR6887GPC	MB7779XPC
BMW	4.0L DOHC 32v S65B40A	CR 224GPC	MB5803XP (65mm)
BMW	4.4L V8 DOHC 32v N62B44, N63B44, S63B44	CR8049GPC (-2011) CR8050GPC (2011-)	MB5801SM* (70mm)
BMW	4.8L V8 DOHC 32v N62B48	CR8049GPC (-2011) CR8050GPC (2011-)	
BMW	5.0L DOHC 40v S85B50A	CR 224GPC	MB 637XP
TOYOTA	3.0L Toyota Supra GR	CR6887GPC	MB7779XPC
SPRINT CAR			
CUSTOM	1.888" Rod Journal w/ 0.792" length	CR8028GPC	
GENERAL MOTORS	262, 265, 267, 302, 305, 307, 327, 350 OHV 16v V8 Small Block (68-96) 2.100" Large journal	CR 807XPN/XPND CR 807XPNC/XPNDC	MB 557GPC
GENERAL MOTORS	265, 283, 302, 327 OHV 16v V8 (62-67) 2.000" Small journal	CR 803GPNC	MB 554XP
GENERAL MOTORS	400 OHV 16v V8 Small Block	CR 807XPN/XPND CR 807XPNC/XPNDC	MB 509GPC

* Normal street bearings

King Advantages

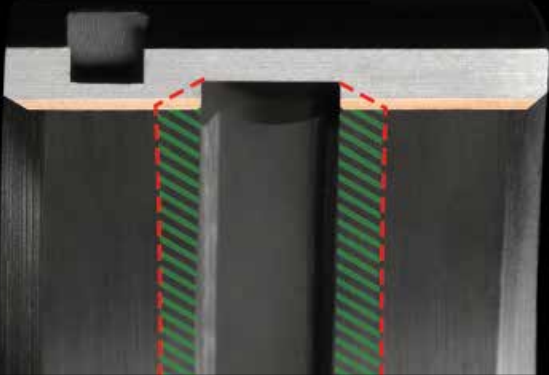


U-Groove™

Greater load surface

A unique oil groove design with a 90° groove shape. **U-Groove™** increases bearing load capacity by expanding the effective surface area, while keeping oil flow capacity intact.

- Better load distribution across the bearing surface
- More stable hydrodynamic lubrication regime
- Greater bearing durability at high RPM's



Bull's Eye Tolerance™

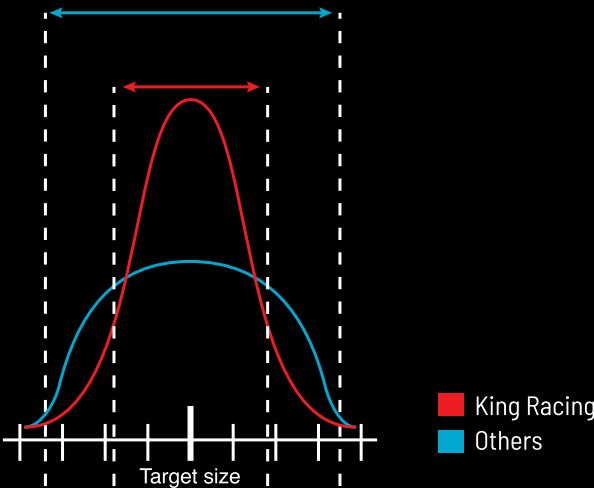
Perfect clearance in every set

Bull's Eye Tolerance™ sets new standards in bearing thickness consistency. It outperforms the industry's wall thickness tolerance, ensuring the least thickness variation.

- No more purchasing multiple sets or "fishing" for bearings to reach the right clearance
- No need to grind cranks "fat" or "thin"
- No need to adjust housing diameter
- Less taper across the bearing face

The most accurate clearance in the industry

Wall Thickness Variation

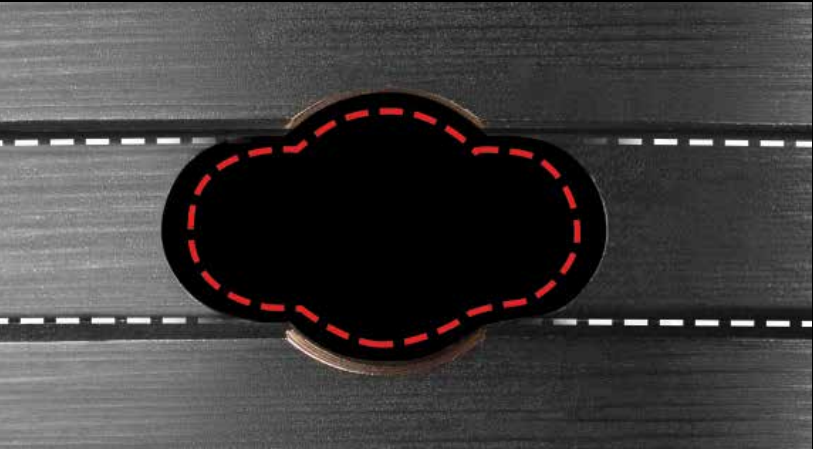


ElliptiX™

Improved oil ingress

ElliptiX™ is a newly designed oil slot / oil hole hybrid. It improves oil ingress without affecting the bearing's surface or compromising the load capacity.

- Increases oil passage capacity
- Higher oil supply reliability
- Eliminates need for custom- made oil hole enlargement



RadiaLock™

Optimal crush height and heat transfer

RadiaLock™ is an optimal crush height value determined by a robust R&D process that customizes each bearing crush height to its specific performance demands.

- Optimal press fit
- Improves bearing spin and fretting prevention
- Better heat transfer
- Reduces bearing and housing distortion



EccentriX™

A superior hydrodynamic regime

EccentriX™ is an optimized eccentricity value reached through elastohydrodynamic analysis and dynamic calculations. Each bearing's eccentricity value is custom designed to meet specific performance requirements.

- Better oil wedge formation
- More stable hydrodynamic lubrication regime
- Reduces vibration and wear
- Prevents oil film "wiping" under high RPM conditions
- Optimizes load distribution across the bearing surface

Bearing Lug Innovation

New lug-less bearing design

The growing trend among OE engine manufacturers to use robotic equipment for engine block assembly has eliminated their need for locating lugs in engine bearings.

The locating lug has no function in preventing the bearing from spinning. Engine bearings are retained in place as a result of the crush height - a parameter completely unaffected by the presence or absence of a locating lug.

This new lug-less bearing design leaves the aftermarket bearing installer without the traditional visual marker of the bearing location in its housing.



For aftermarket installers, placing a lug-less bearing into its correct position requires additional accuracy and attention to details. Shell and housing should be aligned for unimpeded oil hole orientation and for proper centering to avoid bearing-to-crank fillet ride.

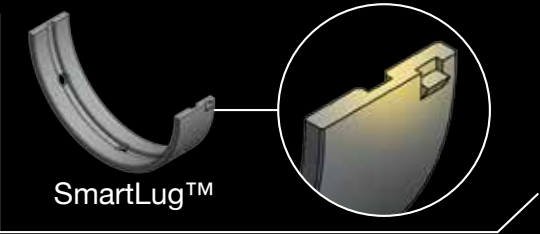
Generally, the proper initial procedure for installing a lug-less bearing is to line up the center of the bearing with the center of the connecting rod or main bore. Slight adjustments can then be performed for final optimal location.

SmartLug™ by King

Developed for high performance bearings

SmartLug™ prevents lug generated oil leaks and maintains full bearing surface in the parting line area for better load capacity and oil film distribution.

Traditional locating lug designs reduce available load carrying surface area and can cause oil leak paths, especially when located adjacent to an oil groove. SmartLug™ features a locating lug protruding only from the back of the bearing, leaving the bearing work surface intact.



Powersports

Unique tailor-made solution for powersports vehicle racing & cruising

Following in-depth research on performance powersports engine needs, King is proud to introduce the industry's first high performance Powersports engine bearing line.

King's Powersports line utilizes pMaxBlack™, a superior performance bearing structure and overlay, developed by King specifically for professional race teams in various demanding race platforms such as NASCAR, drift, drag, rally and more, and the pMaxKote™, the polymer coated version of pMaxBlack™.

Smart design

King Powersports connecting rod bearings and main bearings are designed with tight, graded tolerances to preserve the exacting hydrodynamic regime required by high RPMs. They are available in thicker and thinner 5 grades of STD to produce less or more clearance as well as 5 grades of 0.25mm to fit ground/resized crankshafts! These bearings are perfectly suited for both on-track competition and touring/cruising riders.

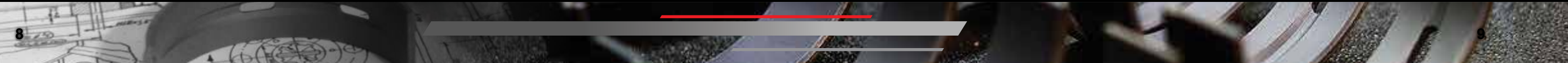
**Want to make the most of your ride?
Don't compromise with ordinary bearings...
choose King Powersports bearings.**

King range for Powersports:

Make	Application	Years	King No.	Min Thickness	Max Thickness	OE Ref
CAN-AM	0.9L X3 TURBO OFFROAD	2017-2020	CR3002XPC	1.482	1.494	420933195
			MB4201XPC	1.977	1.989	420933180 420933185
KAWASAKI	ZX-14	2006-2011	CR1710XP STD-1	1.472	1.476	
			CR1710XP STD-2	1.476	1.480	92139-0131
			CR1710XP STD-3	1.480	1.484	92139-0130
			CR1710XP STD-4	1.484	1.488	92139-0129
			CR1710XP STD-5	1.488	1.492	
		2006-2011	MB1336XP STD-1	1.486	1.490	
			MB1336XP STD-2	1.490	1.494	
			MB1336XP STD-3	1.494	1.498	92139-0133
			MB1336XP STD-4	1.498	1.502	
			MB1336XP STD-5	1.502	1.506	
	ZX-14R	2012-	MB1337XP STD-1	1.486	1.490	
			MB1337XP STD-2	1.490	1.494	
			MB1337XP STD-3	1.494	1.498	92139-0136
			MB1337XP STD-4	1.498	1.502	
			MB1337XP STD-5	1.502	1.506	
			CR1710XP STD-1	1.472	1.476	
			CR1710XP STD-2	1.476	1.480	92139-0131 92139-0830
			CR1710XP STD-3	1.480	1.484	92139-0130 92139-0829
			CR1710XP STD-4	1.484	1.488	92139-0828 92139-0129
			CR1710XP STD-5	1.488	1.492	
KAWASAKI	ZX-14R	2012-	MB1334XP STD-1	1.486	1.490	
			MB1334XP STD-2	1.490	1.494	92139-0740
			MB1334XP STD-3	1.494	1.498	92139-0739
			MB1334XP STD-4	1.498	1.502	92139-0738
			MB1334XP STD-5	1.502	1.506	
			MB1335XP STD-1	1.486	1.490	
			MB1335XP STD-2	1.490	1.494	92139-0743
			MB1335XP STD-3	1.494	1.498	92139-0742
			MB1335XP STD-4	1.498	1.502	92139-0741
			MB1335XP STD-5	1.502	1.506	
POLARIS	1.0L RZR	2017-2020	CR1715XPC STD-1	1.466	1.474	
			CR1715XPC STD-2	1.474	1.482	3514989-053
			CR1715XPC STD-3	1.482	1.490	



Make	Application	Years	King No.	Min Thickness	Max Thickness	OE Ref
POLARIS	1.0L RZR	2017-2020	MB1340XPC STD-1	1.499	1.507	
			MB1340XPC STD-2	1.507	1.515	3514662-003
			MB1340XPC STD-3	1.515	1.523	
			MB1341XPC STD-1	1.499	1.507	
			MB1341XPC STD-2	1.507	1.515	3514803-003
			MB1341XPC STD-3	1.515	1.523	
SUZUKI	GSX-R1000	2001-2011	CR1712XP STD-1	1.476	1.480	12164-41G01-0A0 12164-47H10-0A0
			CR1712XP STD-2	1.480	1.484	12164-40F00-0A0 12164-41G01-0B0 12164-47H10-0B0
			CR1712XP STD-3	1.484	1.488	12164-40F00-0B0 12164-41G01-0C0 12164-47H10-0C0
			CR1712XP STD-4	1.488	1.492	12164-41G01-0D0 12164-47H10-0D0
			CR1712XP STD-5	1.492	1.496	
		2005-2008 2012-2016	MB1333XP STD-1	1.488	1.492	12229-41G00-0A0
			MB1333XP STD-2	1.492	1.496	12229-41G00-0B0
			MB1333XP STD-3	1.496	1.500	12229-41G00-0C0 12229-41G00-0D0
			MB1333XP STD-4	1.500	1.504	12229-41G00-0E0
			MB1333XP STD-5	1.504	1.508	
SUZUKI	Hayabusa GSX1300R	1999-2017	CR1711XP STD-1	1.480	1.484	12164-46E01-0A0
			CR1711XP STD-2	1.484	1.488	12164-46E01-0B0
			CR1711XP STD-3	1.488	1.492	12164-46E01-0C0
			CR1711XP STD-4	1.492	1.496	12164-46E01-0D0
			CR1711XP STD-5	1.496	1.500	
		2008-2017	MB1332XP STD-1	1.491	1.495	12229-15H00-0A0
			MB1332XP STD-2	1.495	1.499	12229-15H10-0B0
			MB1332XP STD-3	1.499	1.503	12229-15H10-0C0 12229-15H10-0D0
			MB1332XP STD-4	1.503	1.507	12229-15H00-0E0
			MB1332XP STD-5	1.507	1.511	



Engine		Race Rod Bearing		Race Main Bearing		Thrust Washer	Cam Bearing
		Non-Coated	Polymer Coated	Non-Coated	Polymer Coated		
CUSTOM							
1	1.888" Rod Journal w/ 0.792" length	CR1708XPD (1 pair) CR6899XP (6 pairs) CR8028XP (8 pairs)	CR1708XPDC (1 pair) CR8028GPC (8 pairs) CR8028XPC (8 pairs)				
2	327 Crank Journal w/ 350 rod	CR 867XPN					
3	400 Spacer Bearing (use Chevy 350 crank in 400)			MB5224AM* (bearing spacer set)			
4	6.2L 377 OHV 16v V8 Cleveland Stroker Kit Chevy 2.100" pin w/ .712" width	CR8005XP		MB5503HP MB5503XP	MB5503XPC		
5	Top Fuel Engines Chrysler Hemi 3 Inch Main Journals				MB5650TFC20L (20 lowers, housing 3.1922-3.1930) MB5650TFC20U (20 uppers, housing 3.1922-3.1930) MB5860TFC20L (20 lowers, housing 3.1910-3.1915) MB5860TFC20U (20 uppers, housing 3.1910-3.1915)		
ALFA ROMEO							
6	1.3L DOHC 8v 101, 105/31, 115	CR4595XP		MB 511XP			
7	1.6L DOHC 8v 105	CR4595XP		MB 511XP			
8	1.8L DOHC 8v 105.48	CR4595XP		MB 511XP			
9	2.0L DOHC 8v AR016	CR4595XP		MB 511XP			
10	2.0L DOHC 8v AR64103, AR67201	CR4595XP		MB 511XP			
11	3.2L JTS V6 159, Brera, Spider	CR6826XP		MB4272XP			
AUDI / VOLKSWAGEN							
12	1.6L 8v AFT	CR4104XP CR4104XPD	CR4104XPC	MB5269XP (180° oil groove) MB5566XP (360° oil groove in pos. 4) MB5661XP (180° oil groove)	MB5566XPC	TW2010AM	
13	1.6L 8v APF	CR4104XP CR4104XPD	CR4104XPC	MB5661XP (180° oil groove)		TW2010AM	
14	1.6L SOHC ABB, ABM, ADA, ADP, DT, JU, PP, RN, SA (83-01)	CR4104XP CR4104XPD	CR4104XPC	MB5566XP	MB5566XPC		
15	1.6L SOHC/OHC 8v AEA			MB5028XP		TW2010AM	
16	1.6L SOHC/OHC 8v AEH, AKL, AWH, AUR, AHL, ARM	CR4104XP CR4104XPD	CR4104XPC	MB5661XP (180° oil groove)		TW1004AM	
17	1.6L SOHC/OHC 8v AKS	CR4104XP CR4104XPD	CR4104XPC	MB5269XP (180° oil groove) MB5566XP (360° oil groove in pos. 4) MB5661XP (180° oil groove)	MB5566XPC	TW2010AM	
18	1.8L 20v APH	CR4104XP CR4104XPD	CR4104XPC	MB5269XP (180° oil groove)		TW2010AM	
19	1.8L 20v BAM			MB5661XP (180° oil groove)		TW2010AM	
20	1.8L 8v AAM, ANN, ANP, ADF	CR4104XP CR4104XPD	CR4104XPC	MB5566XP MB5661XP (180° oil groove)	MB5566XPC		
21	1.8L DOHC 20v AFY, ADR	CR4104XP CR4104XPD	CR4104XPC	MB5269XP (180° oil groove) MB5566XP (360° oil groove in pos. 4) MB5661XP (180° oil groove)	MB5566XPC	TW2010AM	
22	1.8L DOHC 20v AJL (from 99)	CR4104XP CR4104XPD	CR4104XPC	MB5269XP (180° oil groove) MB5566XP (360° oil groove in pos. 4) MB5661XP (180° oil groove)	MB5566XPC	TW2010AM	
23	1.8L DOHC 20v AQE, ARH, AVV (97-04)			MB5269XP (180° oil groove)		TW2010AM	
24	1.8L DOHC 20v ARG, APT, ANB, APG, AWC, AGN, APX	CR4104XP CR4104XPD	CR4104XPC	MB5661XP (180° oil groove)		TW2010AM	
25	1.8L DOHC 20v AVC, AQE, ARH, AVV ('97-'04)	CR4104XP CR4104XPD	CR4104XPC	MB5269XP (180° oil groove)		TW2010AM	
26	1.8L DOHC Turbo AEB (95-01)			MB5566XP	MB5566XPC	TW2010AM	
27	1.8L DOHC Turbo AJQ, AMK, APP, APY, AQA, ARZ, AUL, BFV (97 06)			MB5661XP (180° oil groove)		TW2010AM	
28	1.8L DOHC Turbo AMB, ARX, ARY, AUM, AUQ, AVJ, AWT, BEX, BFB (00->)	CR4597XP (w/o lug)		MB5661XP (180° oil groove)		TW2010AM	
29	1.8L SOHC 10v 4B, DR, DS, DZ, JN, JV, JW, NE, NP, PH, PM, PV, RS, RU, SF, SH (82-91)	CR4104XP CR4104XPD	CR4104XPC	MB5566XP	MB5566XPC		

* Normal street bearings
 • XPC pMaxKote, polymer coated • GPC silver-based polymer coated • TFC Top Fuel/ Pro Mod, polymer coated • HPT - Fluoropolymer Coated

Engine		Race Rod Bearing		Race Main Bearing		Thrust Washer	Cam Bearing
		Non-Coated	Polymer Coated	Non-Coated	Polymer Coated		
30	1.8L SOHC/OHC 8v ADZ	CR4104XP CR4104XPD	CR4104XPC	MB5566XP MB5661XP (180° oil groove)	MB5566XPC	TW2010AM	
31	2.0L 10v JL, PS, KP, RT, SK, SL	CR 505XP (1.5mm oil hole)				TW2009AM	
32	2.0L 20v NM	CR 505XP (1.5mm oil hole)		MB 605XP		TW2009AM	
33	2.0L 8v AGG, AKR, AWF, AWG	CR4104XP CR4104XPD	CR4104XPC	MB5269XP (180° oil groove) MB5566XP (360° oil groove in pos. 4) MB5661XP (180° oil groove)	MB5566XPC	TW2010AM	
34	2.0L 8v AXA, AUZ, AVA	CR4104XP (w/ lug) CR4104XPD (w/ lug) CR4597XP (w/o lug)	CR4104XPC	MB5661XP (180° oil groove)		TW2010AM	
35	2.0L DOHC 16v 6A, ACE (90-96)	CR4104XP CR4104XPD	CR4104XPC	MB5566XP	MB5566XPC		
36	2.0L DOHC 16v Turbo AXX, BGB, BUL, BWA, BWE (04->)	CR4597XP (w/o lug)		MB5661XP (180° oil groove)		TW1004AM	
37	2.0L DOHC 20v ALT (00-08)	CR4597XP (w/o lug)		MB5661XP (180° oil groove)		TW1004AM	
38	2.0L DOHC16v AWA, AXW, BMB (00-08)	CR4597XP (w/o lug)		MB5661XP (180° oil groove)		TW1004AM	
39	2.0L SOHC 8v 3A, AAD, AAE, ABK, ABT, ADW (88-98)	CR4104XP CR4104XPD	CR4104XPC	MB5566XP	MB5566XPC		
40	2.0L SOHC/OHC 8v AQY, AEG, BHY, ASU, APK	CR4104XP CR4104XPD	CR4104XPC	MB5661XP (180° oil groove)		TW1004AM	
41	2.0L SOHC/OHC, 10v HP, JS	CR 505XP (1.5mm oil hole)		MB 605XP		TW2009AM	
42	2.0L TFSI EA888 Gen 2		CR4637GPC	MB5778XP		TW1045AM	
43	2.0L TFSI EA888 Gen 3		CR4637GPC	MB5779XP		TW1088AM	
44	2.2L SOHC/OHC 10v KM, KX, HY, HX, KU, KZ, PX, KV, JT	CR 505XP (1.5mm oil hole)		MB 605XP		TW2009AM	
45	2.3L DOHC 20v 7A	CR 505XP (1.5mm oil hole)				TW2009AM	
46	2.3L SOHC/OHC 10v NF, NG, PR, AAR	CR 505XP (1.5mm oil hole)				TW2009AM	
47	2.5L 10v AAF, AEN, AET, AEU, AVT	CR 505XP (1.5mm oil hole)		MB 605XP		TW2009AM	
48	2.5L SOHC/OHC 10v ACU, APL	CR 505XP (1.5mm oil hole)		MB 605XP		TW2009AM	
49	2.5L TFSI (CEPA/CEPB) TTRS, RS3, RS Q3		CR5000GPC	MB 639XP			
50	2.8L VR6 R30 AAA, AES, AQP, AUE, AYL, BDE		CR6764XPC	MB7089XP			
51	3.2L VR6 R32 AZZ, AXJ, BDL, BFH, BJS, BKK, BKJ, BUB, CFLA		CR6764XPC	MB7089XP			
52	5.2L Audi R8 V10 / Lamborghini Galardo / Huracan V10	CR 227XP	CR 227XPC	MB1322XP	MB1322XPC (66.972 mm shaft)	TW2027AM	
BMW							
53	1.6L DOHC 16v N12, N14, N16, N18B16 Mini (Prince)	CR4633XP		MB5758XP		TW1046AM	
54	1.6L DOHC 16v N13B16A	CR4633XP		MB5758XP		TW1046AM	
55	1.6L SOHC 16v Super Charged W11B16 Mini Cooper	CR4600XP		MB5667SI*			
56	1.6L SOHC 16v W10B16 Mini Cooper	CR4537XP		MB5667SI*			
57	1.6L SOHC 8v M40B16, M43B16	CR4042XP		MB5082XP			
58	1.8L SOHC/DOHC 8v/16v M40B18, M42B18, M43B18	CR4042XP		MB5082XP			
59	1.9L SOHC/DOHC 8v/16v M43B19, M44B19	CR4042XP		MB5082XP			
60	2.0L DOHC 16v N20B20, N26B20		CR 222GPC	MB5784SI*			
61	2.0L DOHC 16v N47D20O1	CR1658SV*					
62	2.0L DOHC 16v S14B20	CR4596XP		MB 544AM*			
63	2.0L SOHC/DOHC 12v/24v M20B20, M50B20, M52B20	CR6640XP		MB7039XP			
64	2.2L DOHC 24v M54B22	CR6640XP	CR6640XPC	MB7039XP	MB7039XPC		
65	2.3L DOHC 16v S14B23	CR4596XP		MB 544AM*			
66	2.3L SOHC 12v M20B23	CR6640XP		MB7039XP			
67	2.4L SOHC/OHC 12v M21D24 Turbo Diesel	CR1689SV*					
68	2.5L DOHC 16v S14B25	CR4596XP		MB 544AM*			
69	2.5L SOHC/DOHC 12v/24v M20B25, M50B25, M52B25, M54B25	CR6640XP		MB7039XP			
70	2.7L SOHC/DOHC 12v/24v M20B27, M50B27	CR6640XP		MB7039XP			

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Engine		Race Rod Bearing		Race Main Bearing		Thrust Washer	Cam Bearing
		Non-Coated	Polymer Coated	Non-Coated	Polymer Coated		
71	2.8L DOHC 24v M52B28, M52B28TU DOHC 24v	CR6640XP		MB7039XP			
72	3.0L DOHC 24v M54B30	CR6640XP	CR6640XPC	MB7039XP	MB7039XPC		
73	3.0L DOHC 24v N54B30 / N55B30		CR 222GPC		MB7776GPC		
74	3.0L DOHC 24v N57D30TU	CR1658SV*		MB7781SM			
75	3.0L DOHC 24v S50B30 Euro	CR6854XP		MB7039XP	MB7039XPC		
76	3.0L DOHC 24V S58B30A		CR6905GPC				
77	3.2L DOHC 24v S50B32	CR6853XP		MB7039XP	MB7039XPC		
78	3.2L DOHC 24v S54B32	CR6877XP	CR6877XPC	MB7039XP			
79	4.0L DOHC 32v S65B40A		CR 224GPC	MB5803XP			
80	4.8L V8 DOHC 32v N62B48		CR8049GPC (-2011) CR8050GPC (2011-)				
81	4.9L DOHC 32v S62B50	CR8063XP		MB5872XP		TW2037AM	
82	5.0L DOHC 40v S85B50A		CR 224GPC	MB 637XP			
CAN-AM							
83	0.9L X3 TURBO OFFROAD		CR3002XPC		MB4201XPC		
CHRYSLER							
84	1.6L DOHC 16v (Incl. Turbo) 4G61, 4G61-T	CR4481XP	CR4481XPC	MB5227XP			
85	2.4L 146 DOHC 16v EDZ SRT4 (02-05)	CR4256XP		MB5270XP			
86	3.5L 215 OHV 12v	CR6672XP		MB7723XP			
87	4.0L 245 OHV 12v	CR6672XP		MB7723XP			
88	4.3L 265 OHV 12v	CR6672XP		MB7723XP			
89	4.5L 273 OHV 16v V8	CR 805XPN	CR 805XPNC		MB 558XPC (1/2 groove)		CS 512HP
90	5.2L 318 OHV 16v V8	CR 805XPN	CR 805XPNC		MB 558XPC (1/2 groove)		CS 512HP
91	5.6L 340 OHV 16v V8	CR 805XPN	CR 805XPNC		MB 558XPC (1/2 groove)		CS 512HP
92	5.7L 345 OHV 16v V8 Hemi (03->)	CR8032XPN	CR8032XPNC	MB5840XP	MB5840XPC	TW1003AM	
93	5.7L 350 OHV 16v V8	CR 806HPND CR 806XPND CR 863HPN (no hole)	CR 806TFC CR 806XPND	MB 555HP			CS 533HP
94	5.9L 360 OHV 16v V8	CR 805XPN	CR 805XPNC	MB 517XP	MB 517XPC		CS 512HP
95	5.9L 361 OHV 16v V8	CR 806HPND CR 806XPND CR 863HPN (no hole)	CR 806TFC CR 806XPND	MB 555HP			CS 533HP
96	6.1L 370 OHV 16v V8 Hemi (05->) 6.2L 376 16v Hemi Hellcat	CR8032XPN	CR8032XPNC	MB5840XP	MB5840XPC	TW1003AM	
97	6.3L 383 OHV 16v V8	CR 806HPND CR 806XPND CR 863HPN (no hole)	CR 806TFC CR 806XPND	MB 555HP			CS 533HP
98	6.4L 392 OHV 16v V8 Hemi	CR8032XPN	CR8032XPNC	MB5840XP	MB5840XPC	TW1003AM	
99	6.6L 400 OHV 16v V8	CR 806HPND CR 806XPND CR 863HPN (no hole)	CR 806TFC CR 806XPND	MB 555HP			CS 533HP
100	6.7L 413 OHV 16v V8	CR 806HPND CR 806XPND CR 863HPN (no hole)	CR 806TFC CR 806XPND				CS 533HP
101	7.0L 426 OHV 16v V8	CR 806HPND CR 806XPND CR 863HPN (no hole)	CR 806TFC CR 806XPND	MB5116HP (multi-bored contoured wall) MB5116XP (multi-bored contoured wall) MB5116SI* (non-contoured wall)	MB5116XPC (multi-bored contoured wall) MB5116TFC		CS 533HP
102	7.0L 426 OHV 16v V8 Hemi	CR 806HPND CR 806XPND CR 863HPN (no hole)	CR 806TFC CR 806TFC32L (32 lowers) CR 806TFC32U (32 uppers) CR 806XPND		MB5116TFC		CS 533HP
103	7.2L 440 OHV 16v V8	CR 806HPND CR 806XPND CR 863HPN (no hole)	CR 806TFC CR 806XPND	MB5116HP (multi-bored contoured wall) MB5116XP (multi-bored contoured wall) MB5116SI* (non-contoured wall)	MB5116TFC MB5116TFC24L (24 lowers) MB5116TFC24U (24 uppers) MB5116TFC6LF (6 flange lowers) MB5116TFC6UF (6 flange uppers) MB5116XPC (multi-bored contoured wall)		CS 533HP
DODGE/CUMMINS							
104	5.9L B series		CR1035GPC		MB7009GPC (single flange upper) MB7119GPC		
105	6.7L B series				MB7009GPC (single flange upper)		

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Engine		Race Rod Bearing		Race Main Bearing		Thrust Washer	Cam Bearing
		Non-Coated	Polymer Coated	Non-Coated	Polymer Coated		
FORD							
106	1.3L OHV 8v 2735E, 711M X Flow, 751M	CR 410XP		MB 512XP			
107	1.5L, 1.6L OHV 8v 116E Lotus, Kent engine	CR 410XP		MB 512XP			
108	1.6L 4 Cyl Duratec (Fiesta, Focus)	CR4365XP		MB5009XP			
109	1.6L, 1.7L BDA, BDB, BDC, BDD	CR4540XP		MB 512XP			
110	2.0L DOHC 16v LF MZR	CR4515XP		MB5442XP			
111	2.0L DOHC 16v YB	CR4440XP		MB5672XP		TW2022CP	
112	2.0L, 2.3L DOHC 16v EcoBoost	CR4604XP CR4695XP (w/o lug)	CR4604XPC CR4695XPC (w/o lug)	MB5442XP			
113	2.3L 140 Inline 4 SOHC 8v 2300 Stroker			MB 582XP MB5278XP			
114	2.3L DOHC 16v Duratec	CR4507XP		MB5442XP			
115	2.4L 144 OHV 12v Inline 6 Falcon	CR 618XP					
116	2.8L 170 OHV 12v Inline 6 Falcon	CR 618XP					
117	3.1L 188 OHV 12v Inline 6 Falcon	CR 618XP					
118	3.3L 200 OHV 12v Inline 6	CR 618XP		MB7703XP			
119	3.5L ECOBOOST V6	CR6895XP					
120	4.0L DOHC 24v (Incl. Turbo) Inline 6	CR 618XP		MB7063XP MB7790XP (2 flanged halves)			
121	4.0L SOHC 12v EB-ED, EF-EL	CR 618XP		MB7703XP			
122	4.0L SOHC 12v Intech	CR 618XP		MB7063XP MB7790XP (2 flanged halves)			
123	4.1L 250 OHV 12v Inline 6	CR 618XP		MB7750SI*			
124	4.3L 260 OHV 16v V8	CR 804HPN CR 804XPN CR 804XPND	CR 804XPNC	MB 529HP MB 529XP	MB 529XPC		CS 514HP CS 514HPT
125	4.6L DOHC 32v Aluminum Block Vin H, R, V, Y (96-05)	CR 868HPN CR 868XPN	CR 868XPNC	MB5283HP (upper shell offset lug) MB5283XP (upper shell offset lug)	MB5283XPC (upper shell offset lug)	lower flange 1 thrust washer	CS 605BB (DOHC, -1996) CS 606BB (1996-)
126	4.6L SOHC 16v Cast Iron Block, Romeo Vin W (91-10), X (96-04), V (06-10)	CR 868HPN CR 868XPN	CR 868XPNC	MB5353HP MB5353XP	MB5353XPC	lower flange 1 thrust washer	CS 604BB
127	4.6L SOHC 16v Windsor Vin 6 (96-03), W (93-10), X (96-04)	CR 868HPN CR 868XPN	CR 868XPNC	MB5280HP MB5280XP	MB5280XPC	contains 3 thrust washers	CS 604BB
128	4.6L SOHC 24v Aluminum Block Vin 8 (06-10), H (05-10)	CR 868HPN CR 868XPN	CR 868XPNC	MB5283HP (upper shell offset lug) MB5283XP (upper shell offset lug)	MB5283XPC (upper shell offset lug)	lower flange 1 thrust washer	CS 606BB
129	4.7L 289 OHV 16v V8	CR 804HPN CR 804XPN CR 804XPND	CR 804XPNC	MB 529HP MB 529XP	MB 529XPC		CS 514HP CS 514HPT
130	5.0L 302 DOHC 32v V8 Coyote (11-13)	CR 868HPN CR 868XPN	CR 868XPNC	MB5734XP	MB5734XPC	contains thrust washers	
131	5.0L 302 OHV 16v V8 Windsor	CR 804HPN CR 804XPN CR 804XPND	CR 804XPNC	MB 529HP MB 529XP	MB 529XPC		CS 514HP CS 514HPT
132	5.0L 307CI Coyote	CR 868HPN CR 868XPN	CR 868XPNC	MB5734XP	MB5734XPC	contains thrust washers	
133	5.2L 315CI Aluminator/Predator	CR 868HPN CR 868XPN	CR 868XPNC	MB5734XP	MB5734XPC	contains thrust washers	
134	5.4L DOHC 32v In Tech Windsor Vin A (99-02), R (01-04)	CR 868HPN CR 868XPN	CR 868XPNC	MB5280HP MB5280XP	MB5280XPC	contains 3 thrust washers	
135	5.4L SOHC 16v Windsor Vin 3 (99-04), L (97-10), Z (98-04)	CR 868HPN CR 868XPN	CR 868XPNC	MB5280HP MB5280XP	MB5280XPC	contains 3 thrust washers	
136	5.4L SOHC 24v Windsor Vin 5 (04-10), V (06-10)	CR 868HPN CR 868XPN	CR 868XPNC	MB5280HP MB5280XP	MB5280XPC	contains 3 thrust washers	
137	5.7L 351 OHV 16v V8 Windsor	CR 814XPN		MB5505XP (1977-1988)			
138	5.8L 351 OHV 16v V8 Cleveland	CR 813XPN		MB5503HP MB5503XP			CS 516HP
139	5.8L GT500 Shelby Aluminum block	CR 868HPN CR 868XPN	CR 868XPNC	MB5824XP	MB5824XPC	contains 3 thrust washers	
140	6.7L Powerstroke, 32V Diesel		CR8056GPC		MB5836GPC	TW3000AM	

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Engine		Race Rod Bearing		Race Main Bearing		Thrust Washer	Cam Bearing
		Non-Coated	Polymer Coated	Non-Coated	Polymer Coated		
141	7.0L 429	CR 874HP		MB5650HP (multi-bored) MB5650XP (multi-bored)	MB5650TFC MB5650TFC20L (20 lowers, housing 3.1922-3.1930) MB5650TFC20U (20 uppers, housing 3.1922-3.1930) MB5650XPC (multi-bored)		CS 517HP CS 517HPT
142	7.3L GODZILLA V8 OHV 16v		CR8064XPC		MB5881XPC		
143	7.5L 460	CR 874HP		MB5650HP (multi-bored) MB5650XP (multi-bored)	MB5650TFC MB5650TFC20L (20 lowers, housing 3.1922-3.1930) MB5650TFC20U (20 uppers, housing 3.1922-3.1930) MB5650XPC (multi-bored)		CS 517HP CS 517HPT
GENERAL MOTORS							
144	2.0L DOHC 16v LNF, LSJ	CR4363XP	CR4363XPC	MB5413CP*			
145	2.0L SOHC 8v 20SE, 20SEH, 20SER, C20NE, C20LE, LT2, LT3	CR4017XP	CR4017XPC	MB5179XP	MB5179XPC		
146	2.0L, 2.2L, 2.4L 16v DOHC Ecotec	CR4363XP	CR4363XPC	MB5413CP*			
147	2.2L DOHC 16v L42, L61, LAP	CR4363XP	CR4363XPC	MB5413CP*			
148	2.4L DOHC 16v LAF, LAT, LE5, LE9, LEA, LUK	CR4363XP	CR4363XPC	MB5413CP*			
149	2.8L, 3.0L, 3.2L, 3.6L HFV6, LAU, LP1, LP9, LF1, LFX, LLT, LY7, 10HMA	CR6826XP		MB4272XP			
150	204 3.3L OHV 12v Holden LG7	CR6664XP		MB5737XP (contains additional lowers to fit different applications)			
151	231 3.8L OHV 12v Holden LN3, L27, L36, L67, L32	CR6664XP		MB5737XP (contains additional lowers to fit different applications)			
152	262, 265, 267, 302, 305, 307, 327, 350 OHV 16v V8 Small Block (68-96) 2.100" Large journal	CR 807HPN CR 807HPND CR 807XPN CR 807XPND	CR 807XPNC CR 807XPNDC	MB 557HP MB 557XP	MB 557GPC MB 557XPC		CS 507HP CS 507HPT
153	265, 283, 302, 327 OHV 16v V8 (62-67) 2.000" Small journal	CR 803HPN CR 803XPN CR 803XPND CR 867XPN	CR 803GPNC CR 803XPNC	MB 554XP			CS 507HP CS 507HPT
154	3.8L 231 OHV 12v V6	CR6664XP		MB5737XP (contains additional lowers to fit different applications)			
155	3.8L OHV 12v V6	CR6618XP					
156	325, 350, 389, 400 Pontiac 3" main			MB5511HP MB5511XP			
157	348, 409 OHV 16v V8	CR 808HPN CR 808HPND CR 808XPN	CR 808TFC CR 808TFC32L (32 lowers) CR 808TFC32U (32 uppers) CR 808XPNC CR 808XPNDC				
158	366, 396, 402, 454, 502 OHV 16v V8 Big Block	CR 808HPN CR 808HPND CR 808XPN CR 808XPND	CR 808TFC CR 808XPNC CR 808XPNDC	MB1124HP (flange pair) MB 556HP MB 556HPN MB 556XP MB 556XPN	MB 556TFC MB 556TFC24L (24 lowers) MB 556TFC24U (24 uppers) MB 556TFC6LF (6 flange lowers) MB 556TFC6UF (6 flange uppers) MB 556XPC MB 556XPNC		CS 524HP CS 524HPT
159	5.7L 348 OHV 16v Gen III LS1	CR 807HPN CR 807HPND CR 807XPN CR 807XPND	CR 807XPNC CR 807XPNDC	MB5013HP MB5013XP MB5777XP			
160	6.0L 364 16v V8 LZ1 Vortec	CR 807HPN CR 807HPND CR 807XPN CR 807XPND	CR 807XPNC CR 807XPNDC	MB1328XP (flange pair) MB5013HP MB5013XP	MB5013XPC		CS5503HPT
161	6.0L OHV 16v Gen IV L76, L98, LS2	CR 807HPN CR 807HPND CR 807XPN CR 807XPND	CR 807XPNC CR 807XPNDC	MB5013HP MB5013XP MB5777XP			
162	6.2L 16v V8 LT1, LT4, L86 (Gen V)	CR8057XPN	CR8057XPNC	MB5013XP			CS5161HPT
163	6.6L 400 OHV 16v V8 Small Block	CR 807HPN CR 807HPND CR 807XPN CR 807XPND	CR 807XPNC CR 807XPNDC	MB 509HP MB 509XP	MB 509GPC MB 509XPC		CS 507HP CS 507HPT

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Engine		Race Rod Bearing		Race Main Bearing		Thrust Washer	Cam Bearing
		Non-Coated	Polymer Coated	Non-Coated	Polymer Coated		
164	6.6L 403 Turbo 32v V8 Duramax		CR8037GPC (connecting rods marked B) CR8059GPC (connecting rods marked A)		MB5724GPC MB5848GPC (housing +0.040")	TW 312AM	
165	6.9L 421 OHV 16v	CR 815CP*		MB5849HP			
166	7.0L 428 OHV 16v	CR 815CP*		MB5849HP			
167	7.5L 455 OHV 16v	CR 815CP*		MB5849HP			
168	LS series 4.8L OHV 16v Vortec 5.3L OHV 16v Vortec 5.7L OHV 16v 6.0L OHV 16v (also Vortec) 6.2L OHV 16v (also Vortec)	CR 807HPN CR 807HPND CR 807XPN CR 807XPND	CR 807XPNC CR 807XPNDC	MB1328XP (flange pair) MB5013HP MB5013XP	MB5013XPC		CS5171HP (2006-2013 .775" wide) CS5171HPT (2006-2013 .775" wide) CS5503HP (1997-2003) CS5503HPT (1997-2003)
HOLDEN							
169	2.3L 138 OHV 12v Red Motor	CR6649XP					
170	2.4L 149 OHV 12v Red Motor	CR6649XP					
171	2.6L 161 OHV 12v Red Motor	CR6649XP					
172	2.8L 174 OHV 12v Blue Motor	CR6649XP		MB7704XP			
173	2.9L 179 OHV 12v	CR6649XP					
174	3.0L 186 OHV 12v Red Motor	CR6649XP					
175	3.0L, 3.2L, 3.6L Alloytec HFV6, LF1, 10HMA, LLT, LY7	CR6826XP		MB4272XP			
176	3.3L 202 OHV 12v Red/Blue/Black Motor	CR6649XP		MB7704XP			
177	4.1L 253 OHV 16v Red/Blue Motor	CR8007XP		MB5381XP			
178	5.0L 308 EFI OHV 16v	CR8007XP		MB5381XP			
179	5.0L 308 OHV 16v Red/Blue Motor	CR8007XP		MB5381XP			
HONDA							
180	1.5L SOHC 8v/16v D15B, D15Z		CR4046XPC	MB5244AM*		TW 110AM	
181	1.6L DOHC 16v B16A	CR 439XPD	CR 439XPC CR 439XPDC		MB5259XPC	TW 140AM	
182	1.6L SOHC 16v D16W		CR4046XPC	MB5568XP (full groove)		TW 140AM	
183	1.6L SOHC/DOHC 16v D16A, D16B		CR4046XPC	MB5568XP (full groove)		TW 140AM	
184	1.6L SOHC/DOHC 16v D16Y, D16Z		CR4046XPC	MB5568XP (full groove)		TW 140AM	
185	1.6L SOHC/DOHC 8v/16v ZC		CR4046XPC	MB5568XP (full groove)		TW 140AM	
186	1.7L DOHC 16v B17A1	CR 439XPD	CR 439XPC CR 439XPDC		MB5259XPC	TW 140AM	
187	1.7L SOHC 16v D17A, D17Z	CR4512SI*		MB5568XP (full groove)		TW 140AM	
188	1.8L DOHC 16v B18A1, B18B1, B18B2	CR 439XPD	CR 439XPC CR 439XPDC		MB5259XPC	TW 140AM	
189	1.8L DOHC VTEC 16v B18C1, B18C5	CR4287XPD	CR 439XPC CR 439XPDC		MB5259XPC	TW 140AM	
190	1.8L F18B, 2.0L F20B SOHC 16v	CR 439XPD	CR 439XPC CR 439XPDC	MB5168XP		TW 152AM	
191	1.8L SOHC 12v A18A	CR 439XPD	CR 439XPC CR 439XPDC	MB5168XP		TW 110AM	
192	1.8L SOHC 12v ES, ET	CR 439XPD	CR 439XPC CR 439XPDC	MB5168XP		TW 110AM	
193	2.0L DOHC 16v B20A5	CR4033XP		MB5568XP (full groove)		TW 140AM	
194	2.0L DOHC 16v B20B3, B20B8	CR 439XPD	CR 439XPC CR 439XPDC		MB5259XPC	TW 140AM	
195	2.0L DOHC 16v B20B4, B20Z2		CR4046XPC		MB5259XPC	TW 140AM	
196	2.0L DOHC 16v F20C	CR4033XP		MB5673XP		TW 140AM	
197	2.0L DOHC 16v K20A2, K20Z1	CR4542XPD	CR4542XPC CR4542XPDC		MB5259XPC	TW 140AM	
198	2.0L DOHC 16v K20A3	CR4541XP			MB5259XPC	TW 140AM	
199	2.0L SOHC 12v A20A	CR 439XPD	CR 439XPC CR 439XPDC	MB5168XP		TW 110AM	
200	2.0L SOHC 12v B20A3	CR 439XPD	CR 439XPC CR 439XPDC	MB5568XP (full groove)		TW 140AM	
201	2.1L DOHC 16v B21A1	CR4033XP		MB5568XP (full groove)		TW 140AM	
202	2.2L DOHC 16v F22C	CR4033XP		MB5673XP		TW 140AM	
203	2.2L DOHC 16v H22A1	CR4033XP		MB5168XP		TW 152AM	
204	2.2L DOHC 16v H22A4, H22Z	CR4033XP		MB5568XP (full groove)		TW 140AM	
205	2.2L SOHC 16v F22A1, F22A4, F22B1, F22B2, F22B6, F22A6	CR4033XP		MB5168XP		TW 152AM	

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Engine		Race Rod Bearing		Race Main Bearing		Thrust Washer	Cam Bearing
		Non-Coated	Polymer Coated	Non-Coated	Polymer Coated		
206	2.3L DOHC 16v H23A1	CR4033XP		MB5168XP		TW 152AM	
207	2.3L SOHC 16v F23A, F23Z	CR4541XP		MB5568XP (full groove)		TW 140AM	
208	2.4L DOHC 16v K24A, K24Z1	CR4542XPD	CR4542XPC CR4542XPDC		MB5259XPC	TW 140AM	
209	3.2L SOHC 24v J32	CR6837XP		MB4508XP		TW1015SI	
210	3.5L SOHC 24v J35	CR6837XP		MB4508XP		TW1015SI	
HYUNDAI							
211	2.0L 16v G4KF	CR4634XP CR4668XP (w/o lug)		MB5771XP			
212	2.4L 16v G4KC, F4KE "World Engine"	CR4634XP		MB5707SI*		TW1050AM	
IHC TRACTOR							
213	IHC Tractor 5.9L DT361	CR1629XP		MB7747XP			
214	IHC Tractor 6.7L DT407	CR1629XP		MB7747XP			
JAGUAR							
215	2.8L XJ6	CR 697XP		MB 788XP			
216	3.4L XK6	CR 697XP		MB 788XP			
217	3.8L MK, XK	CR 697XP		MB 788XP			
218	4.2L XJ	CR 697XP		MB 771XP			
KAWASAKI							
219	1.4 ZX-14R (ZXR 1400) 	CR1710XP (graded)		MB1334XP (location #1,3,5, graded) MB1335XP (location #2,4, graded)			
220	1.4L ZX-14 	CR1710XP (graded)		MB1336XP (location #1,3,5, graded) MB1337XP (location #2,4, graded)			
LADA							
221	1.5L 12L 1973-	CR4007XP		MB5546XP			
LANCIA							
222	2.0L 8v/16v Delta HF Integrale	CR4601XP		MB5730XP			
MAZDA							
223	1.5L DOHC 16v Z5-DE			MB5304XP		TW 133AM	
224	1.5L DOHC 16v ZL-VE	CR4002XP		MB5304XP		TW 133AM	
225	1.6L DOHC 16v B6D	CR4002XP		MB5304XP		TW 133AM	
226	1.6L DOHC 16v Turbo B6-T	CR4002XP		MB5304XP		TW 133AM	
227	1.6L DOHC 16v ZM-DE	CR4002XP		MB5304XP		TW 133AM	
228	1.6L DOHC ZMD	CR4002XP		MB5304XP		TW 133AM	
229	1.6L SOHC 16v B6-2E/ME	CR4002XP		MB5304XP		TW 133AM	
230	1.6L SOHC 8v B6, B6F	CR4002XP		MB5304XP		TW 133AM	
231	1.8L DOHC 16v BP-T, BP-Z3, BPD	CR4002XP		MB5304XP		TW 133AM	
232	1.8L DOHC 16v Turbo BP-4W, BP-Z3T, BP-ZE	CR4002XP		MB5304XP		TW 133AM	
233	1.8L SOHC 16v BP	CR4002XP		MB5304XP		TW 133AM	
234	2.0L DOHC 16v Duratec	CR4515XP		MB5442XP			
235	2.3L DOHC 16v Duratec, MZR L3V, MZR L3X, Duratec Hybrid	CR4507XP		MB5442XP			
236	2.3L DOHC 16v L3-VDT MZR DISI Turbo Duratec	CR4604XP CR4695XP (w/o lug)	CR4604XPC CR4695XPC (w/o lug)	MB5442XP			
MCLAREN							
237	3.8L DOHC 32v M838T			MB5884XP			
238	4.2L DOHC 32v M840T			MB5884XP			
MITSUBISHI							
239	1.5L DOHC 16v 4G91	CR4119XP		MB5176XP		TW 143AM	
240	1.6L SOHC 8v 4G32/G32B	CR4481XP	CR4481XPC	MB5227XP			
241	1.6L SOHC/DOHC 16v 4G92	CR4119XP		MB5176XP		TW 143AM	
242	1.7L SOHC 8v 4G35	CR4481XP	CR4481XPC	MB5227XP			
243	1.8L SOHC 8v (Incl. Turbo) 4G62/ G62B, G62BT	CR4481XP	CR4481XPC	MB5227XP			
244	1.8L SOHC 8v Diesel 4D65	CR4481XP	CR4481XPC	MB5227XP			
245	1.8L SOHC 8v Turbo Diesel 4D65-T	CR4481XP	CR4481XPC	MB5227XP			
246	1.8L SOHC/DOHC (Incl. Turbo) 4G93, 4G93-T	CR4119XP		MB5176XP		TW 143AM	
247	2.0L 4G63 EVO I-IV (92->)		CR4120XPC	MB5209XP (w/ flange)			
248	2.0L 4G94	CR4607XP		MB5176XP		TW 143AM	
249	2.0L DOHC 16v Turbo 4B11T Evo X (07->)		CR4586XPC		MB5722XPC	TW1050AM	



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Engine		Race Rod Bearing		Race Main Bearing		Thrust Washer	Cam Bearing
		Non-Coated	Polymer Coated	Non-Coated	Polymer Coated		
250	2.0L SOHC 8v Diesel 4D68		CR4120XPC		MB5315XPC	TW 173AM	
251	2.4L 4G64 EVO I-IV (92->)		CR4120XPC	MB5209XP (w/ flange)			
252	2.4L 4G64 EVO V-IX (97-07)		CR4120XPC		MB5315XPC	TW 173AM	
253	2.4L DOHC 16v 4G69		CR4120XPC		MB5315XPC	TW 173AM	
254	2.5L SOHC 24v 6G73	CR6629XP		MB 458XP			
255	3.0L SOHC 12v, 24v 6G72, 6G72T	CR6629XP		MB 458XP			
NISSAN							
256	1.6L DOHC 16v CA16DE	CR 407XP					
257	1.6L DOHC 16v CA16DET, CA20ET	CR 407XP		MB5232XP			
258	1.7L SOHC 8v Diesel CD17	CR 407XP					
259	1.8L DOHC 16V (Incl. Turbo) CA18DE, CA18DET	CR 407XP					
260	2.0L DOHC 16v (Incl. Turbo) SR20DE, SR20DET	CR4136XP (17 mm rod width)	CR4136XPC (17 mm rod width)	MB5243XP	MB5243XPC		
261	2.0L DOHC 24v (Incl. Turbo) RB20DE, RB20DET	CR6752XP		MB7008XP	MB7008XPC		
262	2.0L DOHC 24v VQ20DE	CR6752XP		MB4058XP		TW 271AM	
263	2.0L SOHC 8v CA20E, CA20S	CR 407XP					
264	2.0L SOHC 8v Diesel (Incl. Turbo) CD20, CD20-T			MB5232XP			
265	2.0L SR20DET (GTiR), 16v	CR4587XP		MB5721XP		TW 139AM	
266	2.4L SOHC 12V KA24DE	CR4065XP		MB5595XP			
267	2.5L DOHC 24v (Incl. Turbo) RB25DET, RB25DETT	CR6697XP	CR6697XPC	MB7008XP	MB7008XPC		
268	2.5L DOHC 24v VQ25DE, VQ25DET	CR6752XP		MB4058XP		TW 271AM	
269	2.6L DOHC 24v Turbo RB26DETT	CR6697XP	CR6697XPC	MB7092XP	MB7092XPC		
270	3.0L DOHC 24v Twin Turbo VG30DETT	CR6676XP		MB4104XP			
271	3.0L SOHC 12v (Incl. Turbo) RB30E, RB30ET	CR6676XP		MB7008XP	MB7008XPC		
272	3.0L SOHC 12v VG30i	CR6676XP		MB4104XP			
273	3.3L SOHC 12v VG33E	CR6676XP		MB4104XP			
274	3.5L DOHC 24v VQ35DE	CR6775XP		MB4058XP		TW 271AM	
275	3.5L VQ35HR		CR6902XPC		MB4524XPC	TW1042AM	
276	3.7L VQ37VHR		CR6902XPC		MB4524XPC	TW1042AM	
277	3.8L DOHC 24v Twin Turbo VR38DETT	CR6870XP CR6870XPN CR6870XPND	CR6870XPC CR6870XPNC CR6870XPNDC		MB4524XPC	TW1042AM	
278	4.5L VK45DD, VK45DE	CR8051XP		MB5770XP			
279	4.8L TB48DE	CR6715XP		MB7782XP			
280	5.6L VK56DE, VK56VD	CR8051XP		MB5770XP			
OPEL							
281	1.6L SOHC 8v 16N, 16SH	CR4017XP	CR4017XPC	MB5179XP	MB5179XPC		
282	1.6L SOHC 8v Diesel 16D, 16DA	CR4017XP	CR4017XPC	MB5179XP	MB5179XPC		
283	1.7L SOHC 8v Diesel 17D, 17DR	CR4017XP	CR4017XPC	MB5179XP	MB5179XPC		
284	1.8L 18SV	CR4017XP	CR4017XPC	MB5179XP	MB5179XPC		
285	1.8L DOHC 16v C18XE, C18XEL	CR4017XP	CR4017XPC	MB5179XP	MB5179XPC		
286	1.8L DOHC 16v X18XE	CR4017XP	CR4017XPC	MB5179XP	MB5179XPC		
287	1.8L SOHC 8v 18E, 18N, 18NV, 18S, 18SE, 18SEH	CR4017XP	CR4017XPC	MB5179XP	MB5179XPC		
288	1.8L SOHC 8v C18NE, C18NV, C18NT, C18NZ	CR4017XP	CR4017XPC	MB5179XP	MB5179XPC		
289	1.8L SOHC 8v E18NV, E18NVR	CR4017XP	CR4017XPC	MB5179XP	MB5179XPC		
290	1.8L SOHC 8v S18NV	CR4017XP	CR4017XPC	MB5179XP	MB5179XPC		
291	2.0L DOHC 16v 20XE	CR4017XP	CR4017XPC	MB5179XP	MB5179XPC		
292	2.0L DOHC 16v C20XE	CR4017XP	CR4017XPC	MB5179XP	MB5179XPC		
293	2.0L DOHC 16v Turbo C20LET	CR4017XP	CR4017XPC	MB5179XP	MB5179XPC		
294	2.0L DOHC 16v X20SE, X20XEV, X20SED	CR4017XP	CR4017XPC	MB5179XP	MB5179XPC		
295	2.0L SOHC 16v C20SED	CR4017XP	CR4017XPC	MB5179XP	MB5179XPC		
296	2.2L DOHC 16v C22SEL	CR4017XP	CR4017XPC	MB5179XP	MB5179XPC		
297	2.2L DOHC 16v X22SE, X22XE	CR4017XP	CR4017XPC	MB5179XP	MB5179XPC		
298	2.2L DOHC 16v Y22SE	CR4017XP	CR4017XPC	MB5179XP	MB5179XPC		
299	2.2L DOHC 16v Z22SE (Ecotec)	CR4363XP	CR4363XPC	MB5413CP			
300	2.8L, 3.2L V6 28NEL, Z28NET, Z32SE	CR6826XP		MB4272XP			
PEUGEOT							
301	1.3L SOHC 8v TU2.4, TU2J2	CR4493XP		MB5569AM*		TW 132AM	

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Engine		Race Rod Bearing		Race Main Bearing		Thrust Washer	Cam Bearing
		Non-Coated	Polymer Coated	Non-Coated	Polymer Coated		
302	1.4L SOHC 8v TU3.2, TU3J2/Z, TU3JP (88->)	CR4493XP		MB5729XP			
303	1.4L SOHC 8v TU3A, TU3CP, TU3M, TU3S	CR4493XP		MB5569AM*		TW 132AM	
304	1.4L SOHC 8v XY6B, XY7, XY8	CR4493XP		MB5508AM*		TW 132AM	
305	1.5L SOHC 8v Diesel TUD5			MB5729XP			
306	1.6L DOHC 16v EP6, EP6DT	CR4633XP		MB5758XP			
307	1.6L SOHC/DOHC 8v/16v TU5J2, TU5J4, TU5JP, TU5JP4	CR4493XP		MB5729XP			
308	1.7L DOHC 16v EW7J4	CR4603XP		MB5760SI*			
309	1.8L DOHC 16v XU7JP4	CR4603XP					
310	1.8L SOHC 8v XU7JB, XU7JP	CR4603XP					
311	1.9L SOHC 8v XU92C, XU9S	CR4602XP		MB5182AM*		TW 246AM	
312	2.0L DOHC 16v EW10A, EW10D, EW10J4, EW10J4S	CR4603XP		MB5760SI*			
313	2.0L DOHC 16v XU10J4, XU10J4RS, XU10J4TE	CR4602XP		MB5129AM*			
314	2.0L SOHC 8v XU102C, XU10J2, XU10J2TE, XU10M	CR4602XP		MB5129AM*			
315	2.2L DOHC 16v EW12J4	CR4603XP					
POLARIS							
316	0.9L, 1.0L RZR		CR1715XPC		MB1340XPC (graded) MB1341XPC (graded) MB1342XPC (housing 1.75", graded) MB1343XPC (housing 1.75", graded)		
PORSCHE							
317	2.0L OHC (inc. Turbo) 911, 914	CR6855XP					
318	2.2L OHC 911	CR6855XP					
RENAULT							
319	1.2L SOHC 8v 129-5/XZ7R R14	CR4493XP		MB5508AM*		TW 132AM	
320	1.4L SOHC 8v 150-X5J R14	CR4493XP		MB5508AM*		TW 132AM	
321	1.6L SOHC 8v Diesel F8M	CR4019XP		MB5180XP		TW 162AM	
322	1.7L SOHC 8v F1N, F2N, F2R, F3N	CR4019XP		MB5180XP		TW 162AM	
323	1.8L DOHC 16v F7P	CR4019XP		MB5180XP		TW 162AM	
324	1.8L SOHC 8v F3P	CR4019XP		MB5180XP		TW 162AM	
325	1.9L SOHC 8v Diesel, Turbo Diesel F8Q	CR4019XP		MB5180XP		TW 162AM	
326	2.0L DOHC 16v F7R	CR4019XP		MB5180XP		TW 162AM	
327	2.0L SOHC 8v F3R	CR4019XP		MB5180XP		TW 162AM	
SAAB							
328	2.0L B204, B205	CR4606XP					
329	2.3L B234, B235	CR4606XP					
330	2.8L Turbo V6 LP9	CR6826XP		MB4272XP			
SUBARU							
331	2.0L 16v FA20		CR4616XPGC	MB5799XPG	MB5745XPGC		
332	2.0L 16v FB20	CR4622XP CR4689XP		MB5799XPG	MB5745XPGC		
333	2.0L DOHC 16v (Incl. Turbo) EJ20 WRX/STI	CR4125XPG (52mm journal) CR4280XP (48mm journal)	CR4125XPGC (52mm journal)	MB5220XP (flange in pos. 3) MB5382XPG (flange in pos. 5) MB5739XPG (housing +.002") MB5740XPG (housing +.005")	MB5382XPGC (flange in pos. 5)		
334	2.2L SOHC 16v/DOHC 16v (Incl. Turbo) EJ22 WRX/STI	CR4125XPG (52mm journal) CR4280XP (48mm journal)	CR4125XPGC (52mm journal)	MB5220XP (flange in pos. 3) MB5382XPG (flange in pos. 5) MB5739XPG (housing +.002") MB5740XPG (housing +.005")	MB5382XPGC (flange in pos. 5)		
335	2.5L 16v FB25	CR4622XP CR4689XP		MB5799XPG	MB5745XPGC		
336	2.5L SOHC 16v/DOHC 16v (Incl. Turbo) EJ25 WRX/STI	CR4125XPG (52mm journal) CR4280XP (48mm journal)	CR4125XPGC (52mm journal)	MB5220XP (flange in pos. 3) MB5382XPG (flange in pos. 5) MB5739XPG (housing +.002") MB5740XPG (housing +.005")	MB5382XPGC (flange in pos. 5)		
337	3.0L DOHC 24v EZ30, EZ30D	CR6874XP		MB7772XP			

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	Engine	Race Rod Bearing		Race Main Bearing		Thrust Washer	Cam Bearing
		Non-Coated	Polymer Coated	Non-Coated	Polymer Coated		
SUZUKI							
338	1.0L GSX-R1000 	CR1712XP <small>(graded)</small>		MB1333XP <small>(graded)</small>		TW1062AM	
339	1.3L Hayabusa GSX1300R 	CR1711XP <small>(graded)</small>		MB1332XP <small>(graded)</small>		TW1060AM	
340	1.3L SOHC 16v G13BB	CR4605XP		MB5731XP		TW 134AM	
341	1.3L SOHC 8v G13BA	CR4605XP		MB5731XP		TW 134AM	
342	1.5L DOHC 16v M15A	CR4594XP		MB5727XP			
343	1.6L DOHC 16v M16A	CR4594XP		MB5727XP			
344	1.8L DOHC 16v M18A	CR4594XP		MB5727XP			
TOYOTA							
345	1.3L SOHC 8 v 2A, 2A-LC			MB5527XP		TW 231AM	
346	1.5L DOHC 16v 5A-F, 5A-FE			MB5527XP		TW 231AM	
347	1.5L SOHC 8 v 3A, 3A-C, 3A-U			MB5527XP		TW 231AM	
348	1.6L DOHC 16v 4A-F, 4A-FE			MB5527XP		TW 231AM	
349	1.6L DOHC 16v 4A-GEC, 4A-GELC	CR4032XP		MB5527XP		TW 231AM	
350	1.6L DOHC 16v Supercharged 4A-GZE	CR4032XP		MB5527XP		TW 231AM	
351	1.6L DOHC 16v/20v 4A-GE	CR4032XP		MB5527XP		TW 231AM	
352	1.6L SOHC 8v 4A-C, 4A-LC			MB5527XP		TW 231AM	
353	1.8L DOHC 16v 2ZZ-GE	CR4608XP		MB5375XP		TW 185AM	
354	1.8L DOHC 16v 4S-FE			MB5554XP	MB5554XPC	TW 226AM	
355	1.8L DOHC 16v 7A-FE			MB5527XP		TW 231AM	
356	1.8L SOHC 8v 1S			MB5554XP	MB5554XPC	TW 226AM	
357	2.0L 1RZ	CR4219XP		MB5089XP		TW 285AM	
358	2.0L 4U-GSE		CR4616XPGC	MB5799XPG	MB5745XPGC		
359	2.0L DOHC 16v (Incl. Turbo) 3S-GE, 3S-GTE	CR4209XP	CR4209XPC	MB5554XP	MB5554XPC	TW 226AM	
360	2.0L DOHC 16v 3S-FC, 3S-FE			MB5554XP	MB5554XPC	TW 226AM	
361	2.0L SOHC 8v 2S, 2S-E			MB5554XP	MB5554XPC	TW 226AM	
362	2.2L DOHC 16v 5S-FE			MB5554XP	MB5554XPC	TW 226AM	
363	2.4L 2RZ-FE, 2TZ-FE	CR4219XP		MB5089XP		TW 285AM	
364	2.5L DOHC 24v (Incl. Twin Turbo) 1JZ-GE, 1JZ-GTE		CR6754XPC CR6754XPDC		MB7084XPC	TW 284AM	
365	2.7L 3RZ-FE	CR4219XP		MB5089XP		TW 285AM	
366	3.0L DOHC 24v (Incl. Twin Turbo) 2JZ-GE, 2JZ-GTE		CR6754XPC CR6754XPDC		MB7084XPC	TW 284AM	
367	3.0L Toyota Supra GR		CR6887GPC				
368	4.0L DOHC 32v 1UZ-FE	CR 888XP		MB5286XP		TW 288AM	
369	4.3L DOHC 32v 3UZ-FE	CR 888XP		MB5286XP		TW 288AM	
370	4.5L DOHC 24v 1FZ-FE	CR6727XP		MB7049XP		TW 287AM	
371	4.7L DOHC 32v 2UZ-FE	CR 888XP		MB5286XP		TW 288AM	
VOLKSWAGEN							
See under AUDI/VOLKSWAGEN							
VOLVO							
372	2.0L DOHC 16v (Incl. Turbo) B204	CR4599XP					
373	2.0L SOHC 8v (Incl. Turbo) B200	CR4599XP					
374	2.3L DOHC 16v B234	CR4599XP					
375	2.3L SOHC 8v (Incl. Turbo) B230	CR4599XP					
376	2.5L Turbo HYDA	CR 509XP	CR 509XPC	MB 612XP			

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Interchange List :

ACL	KING	LINE
1B1442H	CR 868HPN	125, 126, 127, 128, 130, 132, 133, 134, 135, 136, 139
1B1442H	CR 868XPN	125, 126, 127, 128, 130, 132, 133, 134, 135, 136, 139
1B1663H	CR8028XP	1
1B1808H	CR8032XPN	92, 96, 98
1B2500H	CR6870XPNC	277
1B481H	CR 805XPN	89, 90, 91, 94
1B527HD	CR 806HPND	93, 95, 97, 99, 100, 101, 102, 103
1B527HD	CR 806XPND	93, 95, 97, 99, 100, 101, 102, 103
1B5562H	CR5000GPC	49
1B634HD	CR 804XPND	124, 129, 131
1B634H	CR 804XPN	124, 129, 131
1B663HD	CR 807XPND	152, 159, 161, 163
1B663H	CR 807HPN	152, 159, 160, 161, 163, 168
1B663H	CR 807HPND	152, 159, 160, 161, 163, 168
1B663H	CR 807XPN	152, 159, 161, 163
1B743HD	CR 808XPND	158
1B743H	CR 808HPN	157, 158
1B743H	CR 808HPND	157, 158
1B743H	CR 808XPN	157, 158
1B745HD	CR 803XPND	153
1B818H	CR 874HP	141, 143
10B1580H	CR 224GPC	79, 82
4B1060H	CR4540XP	109
4B1110H	CR4595XP	6, 7, 8, 9, 10
4B1146H	CR4481XP	84, 240, 242, 243, 244, 245
4B1146H	CR4481XPC	84, 240, 242, 243, 244, 245
4B1185H	CR4120XPC	247, 250, 251, 252, 253
4B1236H	CR4586XPC	249
4B1293H	CR4634XP	211, 212
4B1490H	CR4042XP	57, 58, 59
4B1568H	CR4596XP	62, 65, 68
4B1584H	CR 222GPC	60, 73
4B1606HC	CR4104XPC	12, 13, 14, 16, 17, 18, 20, 21, 22, 24, 25, 29, 30, 33, 34, 35, 39, 40
4B1606H	CR4104XP	12, 13, 14, 16, 17, 18, 20, 21, 22, 24, 25, 29, 30, 33, 34, 35, 39, 40
4B1609H	CR4597XP	28, 34, 36, 37, 38
4B1630H	CR 407XP	256, 257, 258, 259, 263
4B1780H	CR4032XP	349, 350, 351
4B1856H	CR4608XP	353
4B1906H	CR4541XP	198, 207
4B1912H	CR4033XP	193, 196, 201, 202, 203, 204, 205, 206
4B1925HD	CR4287XPD	189
4B1925H	CR4287XPC	189
4B1946HD	CR 439XPD	181, 186, 188, 190, 191, 192, 194, 199, 200
4B1946H	CR 439XPC	181, 186, 188, 190, 191, 192, 194, 199, 200
4B1956H	CR4046XPC	180, 182, 183, 184, 185, 195
4B1972HC	CR4542XPC	197, 208
4B1972HD	CR4542XPD	197, 208
4B1980A	CR4512SI	187
4B2010H	CR4606XP	328, 329
4B2166H	CR4440XP	111
4B2296H	CR4363XP	144, 146, 147, 148, 299
4B2322H	CR4017XP	145, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298

ACL	KING	LINE
4B2322H	CR4017XPC	145, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298
4B2726H	CR4599XP	372, 373, 374, 375
4B2746H	CR4065XP	266
4B2902H	CR4600XP	55
4B2903H	CR4537XP	56
4B2904H	CR4601XP	222
4B2960HC	CR4136XPC	260
4B2960H	CR4136XP	260
4B2960H	CR4136XPC	260
4B2976H	CR4587XP	265
4B4390H	CR4515XP	110, 234
4B4565H	CR4256XP	85
4B5562H	CR4637GPC	42, 43
4B603H	CR 410XP	106, 107
4B7267H	CR4365XP	108
4B7700H	CR4602XP	311, 313, 314
4B7712H	CR4493XP	301, 302, 303, 304, 307, 319, 320
4B7736H	CR4603XP	308, 309, 310, 312, 315
4B7787H	CR4633XP	53, 54, 306
4B7820H	CR4019XP	321, 322, 323, 324, 325, 326, 327
4B8036H	CR4119XP	239, 241, 246
4B8050H	CR4607XP	248
4B8170H	CR4507XP	114, 235
4B8171H	CR4695XP	112, 236
4B8172H	CR4604XP	112, 236
4B8296HC	CR4125XPGC	333, 334, 336
4B8296H	CR4125XPG	333, 334, 336
4B8310H	CR4616XPGC	331, 358
4B8320H	CR4280XP	333, 334, 336
4B8325H	CR4622XP	332, 335
4B8336H	CR4605XP	340, 341
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How to Identify a King Bearing Set

1 Bearing types:

- **MB** - Main Bearing Set
- **CR** - Con Rod Bearing Set
- **CS** - Camshaft Bearing Set
- **TW** - Thrust Washer Set
- **PB** - Pin bushing set

2 Number of pairs in a set

3 Random code

4 Material construction:

Main & Rod Bearing Suffixes

- **HP** - Bi-metal aluminum silicon alloy
- **XP** - Tri-metal copper lead
- **XPC** - Tri-metal copper lead, polymer coated
- **TFC** - Tri-metal strengthened steel, special coper lead, polymer coated
- **GPC** - Tri-metal silver overlay, polymer coated

Thrust Washer Suffix

- **AM** - Aluminum tin-based material

Cam Bearing Suffixes

- **BB** - Lead based Babbitt material
- **HP** - Micro Babbitt, chill cast & burnished construction
- **HPT** - HP construction with fluoropolymer coating

5 Bearing Features:

- **N** - Narrowed
- **D** - Dowel

6 Dimension/Undersize e.g. “STD” for standard, X equals .001” extra clearance

Dimension/Sizes:

Bearing Size - Inches	STDX	STD	.001”	.010X	.010”	.011”	.020X	.020”	.021”	.030”
Bearing Size - Metric	STDX	STD	.026		0.25			0.5		0.75
Crankshaft Undersize	0	0	0	-.010”	-.010”	-.010”	-.020”	-.020”	-.020”	-.030”
Additional Shell Thickness (on nominal)	-.0005”	0	+.0005”	+.0045”	+.005”	+.0055”	+.0095”	+.010”	+.0105”	+.015”

7 Item barcode

8 i-King code for online verification and warranty activation





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