

KING *RACING*

HIGH PERFORMANCE BEARINGS

The science of speed



Bull's Eye Tolerance™

Perfect clearance
in every set



pMaxBlack™

Superior load
capacity



U-Groove™

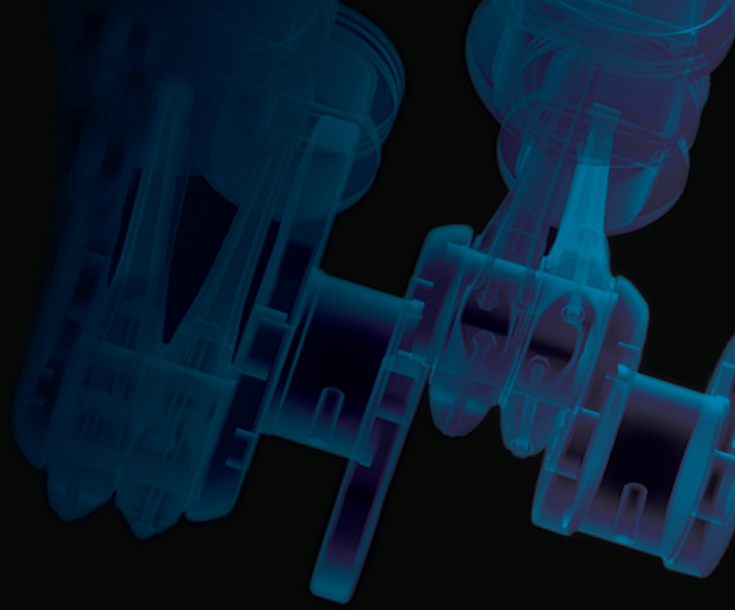
Greater load
surface



ElliptiX™

Improved oil
ingress

2016-2017 Application Guide



Visit us at:
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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 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.



pMAX Black™ 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

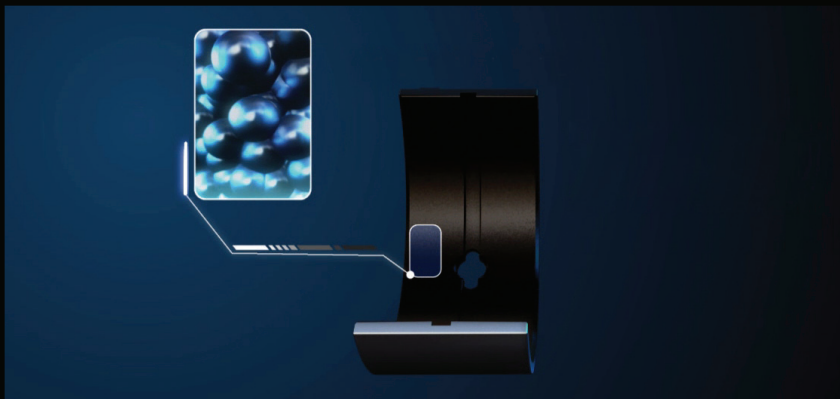
Intermediate layer:

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

Overlay:

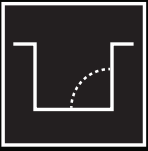
- Strengthened by 5% copper
- Industry's highest hardness level - up to 18.1HV
- Fatigue resistance - 10,200 PSI

Breakthrough hardening technology



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



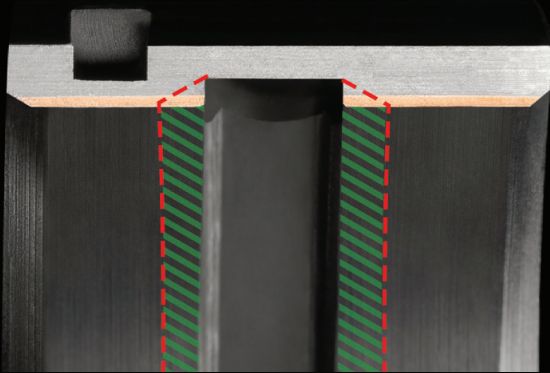


U-Groove™

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™

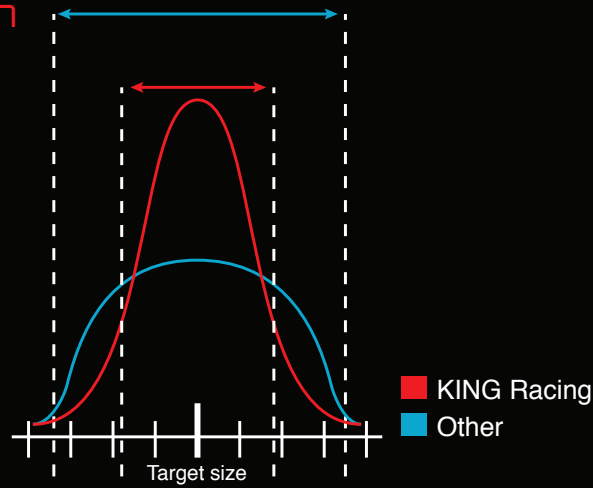
Perfect clearance in every set

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



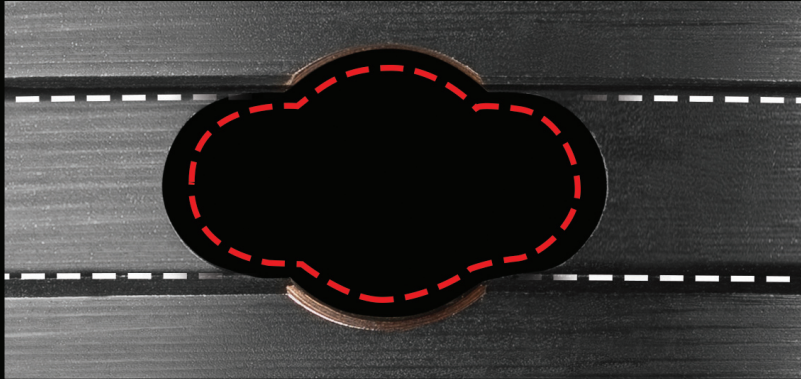


ElliptiX™

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 elasto hydrodynamic 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



Engine		Conrod Bearing Set XP Series	Conrod Bearing Set HP Series	Main Bearing Set XP Series	Main Bearing Set HP Series	Thrustwasher Set	Cam bearings set
ALFA ROMEO							
1	1.3L DOHC 8v 101, 105/31, 115	CR4595XP		MB 511XP			
2	1.6L DOHC 8v 105	CR4595XP		MB 511XP			
3	1.8L DOHC 8v 105.48	CR4595XP		MB 511XP			
4	2.0L DOHC 8v AR016	CR4595XP		MB 511XP			
5	2.0L DOHC 8v AR64103, AR67201	CR4595XP		MB 511XP			
AUDI / VOLKSWAGEN							
6	1.6L SOHC/OHC 8v AEA	CR4597XP		MB5028XP		TW2010AM	
7	1.6L SOHC ABB, ABM, ADA, ADP, DT, JU, PP, RN, SA ('83-'01)	CR4104XP		MB5566XP		TW2010AM	
8	1.6L 8v AFT	CR4104XP		MB5269XP		TW2010AM	
9	1.6L SOHC/OHC 8v AKS	CR4104XP		MB5269XP		TW2010AM	
10	1.6L 8v APF	CR4104XP		MB5661XP		TW2010AM	
11	1.6L SOHC/OHC 8v AEH, AKL, AWH, AUR, AHL, ARM	CR4104XP		MB5661XP		TW2010AM	
12	1.8L DOHC 20v AVC	CR4104XP		MB5269XP		TW2010AM	
13	1.8L DOHC 20v AJL (till '99)	CR4104XP		MB5566XP (360° oil groove in pos. 4) MB5269XP (180° oil groove)		TW2010AM	
14	1.8L DOHC 20v AJL (from '99)	CR4104XP		MB5661XP		TW2010AM	
15	1.8L 20v APH	CR4104XP		MB5269XP		TW2010AM	
16	1.8L SOHC 10v 4B, DR, DS, DZ, JN, JV, JW, NE, NP, PH, PM, PV, RS, RU, SF, SH ('82-'91)	CR4104XP		MB5566XP		TW2010AM	
17	1.8L DOHC 20v AFY, ADR, ARK	CR4104XP		MB5566XP (360° oil groove in pos. 4) MB5269XP (180° oil groove)		TW2010AM	
18	1.8L DOHC 20v AQE, ARH, AVV ('97-'04)	CR4104XP		MB5661XP		TW2010AM	
19	1.8L DOHC Turbo AEB ('95-'01)	CR4104XP		MB5566XP			
20	1.8L DOHC Turbo AJQ, AMK, APP, APY, AQA, ARZ, AUL, BFV ('97-'06)	CR4104XP		MB5661XP			
21	1.8L DOHC Turbo AMB, ARX, ARY, AUM, AUQ, AVJ, AWT, BEX, BFB ('00-→)	CR4597XP		MB5661XP			
22	1.8L 8v AAM, ANN, ANP, ADF	CR4104XP		MB5661XP		TW2010AM	
23	1.8L DOHC 20v ARG, APT, ANB, APG, AWC, AGN, ANB, APX, AGU, APU	CR4104XP		MB5661XP		TW2010AM	
24	1.8L 20v BAM	CR4104XP		MB5661XP		TW2010AM	
25	1.8L SOHC/OHC 8v ADZ	CR4104XP		MB5661XP		TW2010AM	
26	2.0L 8v AGG, AKR, AWF, AWG, BEF	CR4104XP		MB5269XP		TW2010AM	
27	2.0L SOHC 8v 3A, AAD, AAE, ABK, ABT, ADW ('88-'98)	CR4104XP		MB5566XP		TW2010AM	
28	2.0L DOHC 16v 6A, ACE ('90-'96)	CR4104XP		MB5566XP		TW2010AM	
29	2.0L DOHC 20v ALT ('00-'08)	CR4597XP		MB5661XP		TW2010AM	
30	2.0L DOHC16v AWA, AXW, BMB ('00-'08)	CR4597XP		MB5661XP		TW2010AM	
31	2.0L DOHC 16v Turbo AXX, BGB, BUL, BWA, BWE ('04-→)	CR4597XP		MB5661XP		TW2010AM	
32	2.0L 10v JL, PS, KP, RT, SK, SL	CR 505XP		MB 605XP		TW2009AM	
33	2.0L 20v NM	CR 505XP		MB 605XP		TW2009AM	
34	2.0L SOHC/OHC, 10v HP, JS	CR 505XP		MB 605XP		TW2009AM	
35	2.0L 8v AXA, AUZ, AVA	CR4104XP		MB5661XP		TW2010AM	
36	2.0L SOHC/OHC 8v AQY, AEG, BHY, ASU, APK	CR4104XP		MB5661XP		TW2010AM	
37	2.2L SOHC/OHC 10v KM, KX, HY, HX, KU, KZ, PX, KV, JT	CR 505XP		MB 605XP		TW2009AM	
38	2.3L SOHC/OHC 10v NF, NG, PR, AAR	CR 505XP		MB 605XP		TW2009AM	
39	2.3L DOHC 20v 7A	CR 505XP		MB 605XP		TW2009AM	
40	2.5L 10v AAF, AEN, AET, AEU, AVT	CR 505XP		MB 605XP		TW2009AM	
41	2.5L SOHC/OHC 10v ACU, APL	CR 505XP		MB 605XP		TW2009AM	
42	2.8L VR6 R30 AAA, AES, AQP, AUE, AYL, BDE	CR6764XP		MB7089XP			
43	3.2L VR6 R32 AZZ, AXJ, BDL, BFH, BJS, BKK, BKJ, BUB, CFLA	CR6764XP		MB7089XP			
BMW							
44	1.6L SOHC 8v M40B16, M43B16	CR4042XP		MB5082XP			
45	1.6L SOHC 16v W10B16 Mini Cooper	CR4537XP			MB5667SI**		
46	1.6L SOHC 16v Super Charged W11B16 Mini Cooper	CR4600XP			MB5667SI**		
47	1.8L SOHC/DOHC 8v/16v M40B18, M42B18, M43B18	CR4042XP		MB5082XP			
48	1.9L SOHC/DOHC 8v/16v M43B19, M44B19	CR4042XP		MB5082XP			
49	2.0L DOHC 16v S14B20	CR4596XP					
50	2.0L SOHC/DOHC 12v/24v M20B20, M50B20, M52B20	CR6640XP		MB7039XP			
51	2.2L DOHC 24v M54B22	CR6640XP					
52	2.3L DOHC 16v S14B23	CR4596XP					
53	2.3L SOHC 12v M20B23	CR6640XP		MB7039XP			
54	2.5L DOHC 16v S14B25	CR4596XP					
55	2.5L SOHC/DOHC 12v/24v M20B25, M50B25, M52B25, M54B25	CR6640XP		MB7039XP			
56	2.7L SOHC/DOHC 12v/24v M20B27, M50B27	CR6640XP		MB7039XP			
57	3.0L DOHC 24v M54B30	CR6640XP					
58	3.0L DOHC 24v S50B30 Euro	CR6854XP		MB7039XP			
59	3.0L DOHC 24v S50B30 Euro - for USA	CR6640XP		MB7039XP			
60	3.2L DOHC 24v S50B32	CR6853XP		MB7039XP			
61	3.2L DOHC 24v S52B32	CR6640XP		MB7039XP			
62	3.2L DOHC 24v S54B32	CR6877XP		MB7039XP			

** Normal street bearings



Engine	Conrod Bearing Set XP Series	Conrod Bearing Set HP Series	Main Bearing Set XP Series	Main Bearing Set HP Series	Thrustwasher Set	Cam bearings set
CHRYSLER						
63	2.4L 146 DOHC 16v EDZ SRT4 ('02-'05)	CR4256XP		MB5270XP		
64	3.5L 215 OHV 12v	CR6672XP		MB7723XP		
65	4.0L 245 OHV 12v	CR6672XP		MB7723XP		
66	4.3L 265 OHV 12v	CR6672XP		MB7723XP		
67	4.5L 273 OHV 16v V8	CR 805XPN		MB 558XP		CS 512HP
68	5.2L 318 OHV 16v V8	CR 805XPN		MB 558XP		CS 512HP
69	5.6L 340 OHV 16v V8	CR 805XPN		MB 558XP		CS 512HP
70	5.7L 345 OHV 16v V8 Hemi ('03->)	CR8032XPN		MB5659XP	TW1003AM	
71	5.7L 350 OHV 16v V8	CR 806XPND	CR 806HPND		MB 555HP	
72	5.9L 360 OHV 16v V8	CR 805XPN				
73	5.9L 361 OHV 16v V8	CR 806XPND	CR 806HPND		MB 555HP	
74	6.1L 370 OHV 16v V8 Hemi ('05->)	CR8032XPN		MB5659XP	TW1003AM	
75	6.3L 383 OHV 16v V8	CR 806XPND	CR 806HPND		MB 555HP	
76	6.4L 392 OHV 16v V8 Hemi	CR8032XP				
77	6.6L 400 OHV 16v V8	CR 806XPND	CR 806HPND		MB 555HP	
78	6.7L 413 OHV 16v V8	CR 806XPND	CR 806HPND			
79	7.0L 426 OHV 16v V8	CR 806XPND	CR 806HPND	MB5116XP	MB5116HP	CS 533HP
80	7.0L 426 OHV 16v V8 Hemi	CR 806XPND	CR 806HPND	MB5116XP	MB5116HP	CS 533HP
81	7.2L 440 OHV 16v V8	CR 806XPND	CR 806HPND	MB5116XP	MB5116HP	CS 533HP
FORD						
82	1.3L OHV 8v 273SE, 711M X Flow, 751M	CR 410XP		MB 512XP		
83	1.5L, 1.6L OHV 8v 116E Lotus	CR 410XP		MB 512XP		
84	1.6L/1.7L BDA, BDB, BDC, BDD	CR4540XP		MB 512XP		
85	2.0L DOHC 16v YB	CR4440XP		MB5672XP		TW2022CP
86	2.0L DOHC 16v Duratec	CR4515XP (for 47mm journal)		MB5442XP		
87	2.3L DOHC 16v Duratec	CR4507XP (for 50mm journal)		MB5442XP		
88	2.0L, 2.3L DOHC 16v EcoBoost	CR4604XP (for 52mm journal)		MB5442XP		
89	2.3L 140 Inline 4 SOHC 8v 2300 Stroker			MB 582XP (-> '90, for 2.591" housing bore) MB5278XP ('89 ->, for 2.397" housing bore)		
90	2.3L 144 OHV 12v Inline 6 Falcon	CR 618XP				
91	2.8L 170 OHV 12v Inline 6 Falcon	CR 618XP				
92	3.0L 188 OHV 12v Inline 6 Falcon	CR 618XP				
93	3.3L 200 OHV 12v Inline 6	CR 618XP		MB7703XP		
94	3.9L 250 OHV 12v Inline 6	CR 618XP		MB7703XP		
95	4.0L DOHC 24v (Incl. Turbo) Inline 6	CR 618XP		MB7063XP		
96	4.0L SOHC 12v EB-ED, EF-EL	CR 618XP		MB7703XP		
97	4.0L SOHC 12v Intech	CR 618XP		MB7063XP		
98	4.2L 260 OHV 16v V8	CR 804XPN	CR 804HPN	MB 529XP	MB 529HP	CS 514HP
99		CR 804XPND				CS 514HPT
100	4.6L SOHC 16v Cast Iron Block, Romeo Vin W ('91-'10), X ('96-'04), V ('06-'10)	CR 868XPN	CR 868HPN	MB5353XP (upper shell centered lug)	MB5353HP	lower flange1 thrustwasher
101	4.6L SOHC 16v WindsorVin 6 ('96-'03), W ('93-'10), X ('96-'04)	CR 868XPN	CR 868HPN	MB5280XP	MB5280HP	set includes 3 thrustwashers
102	4.6L SOHC 24v Aluminum BlockVin 8 ('06-'10), H ('05-'10)	CR 868XPN	CR 868HPN	MB5283XP (upper shell offset lug)	MB5283HP	lower flange1 thrustwasher
103	4.6L DOHC 32v Aluminum BlockVin H, R, V, Y ('96-'05)	CR 868XPN	CR 868HPN	MB5283XP (upper shell offset lug)	MB5283HP	lower flange1 thrustwasher
104	4.7L 289 OHV 16v V8	CR 804XPN CR 804XPND	CR 804HPN	MB 529XP	MB 529HP	CS 514HP CS 514HPT
105	5.0L 302 OHV 16v V8 Windsor	CR 804XPN CR 804XPND	CR 804HPN	MB 529XP	MB 529HP	CS 514HP CS 514HPT
106	5.0L 302 DOHC 32v V8 Coyote ('11-'13)	CR 868XPN	CR 868HPN	MB5734XP		
107	5.4L SOHC 16v WindsorVin 3 ('99-'04), L ('97-'10), Z ('98-'04)	CR 868XPN	CR 868HPN	MB5280XP	MB5280HP	set includes 3 thrustwashers
108	5.4L SOHC 24v WindsorVin 5 ('04-'10), V ('06-'10)	CR 868XPN	CR 868HPN	MB5280XP	MB5280HP	set includes 3 thrustwashers
109	5.4L DOHC 32v In Tech WindsorVin A ('99-'02), R ('01-'04)	CR 868XPN	CR 868HPN	MB5280XP	MB5280HP	set includes 3 thrustwashers
110	5.7L 351 OHV 16v V8 Cleveland	CR 813XPN		MB5503XP	MB5503HP	CS 516HP
111	5.7L 351 OHV 16v V8 Windsor	CR 814XPN		MB5505XP (⁷⁷ - ⁸⁸)		CS 514HP CS 514HPT
112	6.2L 377 OHV 16v V8 Cleveland Stroker	CR8005XP		MB5503XP	MB5503HP	
113	7.0L 429		CR 874HP	MB5650XP (multi-bored)	MB5650HP (multi-bored)	CS 517HP CS 517HPT
114	7.5L 460		CR 874HP	MB5650XP (multi-bored)	MB5650HP (multi-bored)	CS 517HP CS 517HPT

** Normal street bearings



Engine	Conrod Bearing Set XP Series	Conrod Bearing Set HP Series	Main Bearing Set XP Series	Main Bearing Set HP Series	Thrustwasher Set	Cam bearings set
GENERAL MOTORS						
115 2.0L, 2.2L, 2.4L 16v DOHC Ecotec	CR4363XP			MB5413SI **		
116 3.3L 200 12v V6	CR6618XP					
117 3.8L 229 12v V6 GNX	CR6664XP					
118 265, 283, 302, 327 OHV 16v V8 ('62-'67) Small journal	CR 803XPN CR 803XPND	CR 803HPN	MB 554XP			CS 507HP CS 507HPT
119 262, 265, 267, 302, 305, 307, 327, 350 OHV 16v V8 Small Block ('68-'96) Large journal	CR 807XPN CR 807XPND	CR 807HPN CR 807HPND	MB 557XP	MB 557HP		CS 507HP CS 507HPT
120 348, 409 OHV 16v V8	CR 808XPN CR 808XPND	CR 808HPN CR 808HPND				
121 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 807XPN	CR 807HPN	MB5013XP	MB5013HP		CS5503HP CS5503HPT ('97-'02) CS5510HP CS5510HPT ('03-'10) CS5171HP CS5171HPT ('06-'13 0.775" wide)
122 Dart LS Next Block	CR 807XPN	CR 807HPN	MB5777XP			CS5172HP CS5172HPT
123 325, 350, 389, 400 Pontiac 3" main			MB5511XP	MB5511HP		
124 400 OHV 16v V8 Small Block	CR 807XPN CR 807XPND	CR 807HPN CR 807HPND	MB 509XP	MB 509HP		CS 507HP CS 507HPT
125 366, 396, 402, 454, 502 OHV 16v V8 Big Block	CR 808XPN CR 808XPND	CR 808HPN CR 808HPND	MB 556XP	MB 556HP	MB1124HP (flanged bearing pair)	CS 524HP CS 524HPT
HOLDEN						
126 138 OHV 12v Red Motor	CR6649XP					
127 149 OHV 12v Red Motor	CR6649XP					
128 161 OHV 12v Red Motor	CR6649XP					
129 173 OHV 12v Red Motor	CR6649XP					
130 179 OHV 12v	CR6649XP					
131 186 OHV 12v Red Motor	CR6649XP					
132 174 OHV 12v Blue Motor	CR6649XP		MB7704XP			
133 202 OHV 12v Red Motor	CR6649XP		MB7704XP			
134 202 OHV 12v Blue/Black Motor	CR6649XP		MB7704XP			
135 204 3.3L OHV 12v Holden LG7	CR6664XP		MB5737XP (set contains additional lower shells to fit different applications)			
136 231 3.8L OHV 12v Holden LN3, L27, L36, L67, L32	CR6664XP		MB5737XP (set contains additional lower shells to fit different applications)			
137 253 OHV 16v Red Motor	CR8007XP		MB5381XP			
138 253 OHV 16v Blue Motor	CR8007XP		MB5381XP			
139 308 OHV 16v Red Motor	CR8007XP		MB5381XP			
140 308 OHV 16v Blue Motor	CR8007XP		MB5381XP			
141 305 5.0L OHV 16v	CR8007XP		MB5381XP			
142 308 5.0L EFI OHV 16v	CR8007XP		MB5381XP			
143 348 OHV 16v EFI Stroker	CR8007XP		MB5381XP			
144 348 OHV 16v Gen III LS1	CR 807XPN		MB5013XP	MB5013HP		
145 355 OHV 16v Stroker	CR 807XPN		MB5381XP			
146 6.0L OHV 16v Gen IV L76	CR 807XPN		MB5013XP	MB5013HP		
147 6.0L OHV 16v Gen IV L98	CR 807XPN		MB5013XP	MB5013HP		
148 6.0L OHV 16v Gen IV LS2	CR 807XPN		MB5013XP	MB5013HP		
149 6.2L OHV 16v Gen IV LS3	CR 807XPN		MB5013XP	MB5013HP		
HONDA						
150 1.5L SOHC 8v/16v D15B, D15Z	CR4046XP					
151 1.6L DOHC 16v B16A	CR 439XP CR 439XPD		MB5259XP		TW 140AM	
152 1.6L SOHC/DOHC 16v D16A, D16B	CR4046XP		MB5568XP		TW 140AM	
153 1.6L SOHC 16v D16W	CR4046XP		MB5568XP		TW 140AM	
154 1.6L SOHC/DOHC 16v D16Y, D16Z	CR4046XP		MB5568XP		TW 140AM	
155 1.6L SOHC/DOHC 8v/16v ZC	CR4046XP		MB5568XP		TW 140AM	
156 1.7L DOHC 16v B17A1	CR 439XP CR 439XPD		MB5259XP		TW 140AM	
157 1.7L SOHC 16v D17A, D17Z			MB5568XP		TW 140AM	
158 1.8L SOHC 12v A18A	CR 439XP CR 439XPD		MB5168XP (for 50mm journal)			
159 1.8L DOHC 16v B18A	CR 439XP CR 439XPD		MB5259XP		TW 140AM	

** Normal street bearings



Engine		Conrod Bearing Set XP Series	Conrod Bearing Set HP Series	Main Bearing Set XP Series	Main Bearing Set HP Series	Thrustwasher Set	Cam bearings set
HONDA							
160	1.8L DOHC 16v B18A1	CR 439XP CR 439XPD		MB5259XP		TW 140AM	
161	1.8L DOHC 16v B18B1, B18B2	CR 439XP CR 439XPD		MB5259XP		TW 140AM	
162	1.8L DOHC VTEC 16v B18C1, B18C5	CR4287XP		MB5259XP		TW 140AM	
163	1.9L SOHC 12v ES, ET	CR 439XP CR 439XPD		MB5259XP		TW 140AM	
164	1.9L SOHC 16v F18B	CR 439XP CR 439XPD					
165	2.0L SOHC 12v A20A	CR 439XP CR 439XPD		MB5168XP (for 50mm journal)			
166	2.0L SOHC 12v B20A3	CR 439XP		MB5568XP		TW 140AM	
167	2.0L DOHC 16v B20A5, B21A1	CR4033XP		MB5568XP		TW 140AM	
168	2.0L DOHC 16v B20B3, B20B8	CR 439XP		MB5259XP		TW 140AM	
169	2.0L DOHC 16v B20B4, B20Z2	CR4046XP		MB5259XP		TW 140AM	
170	2.0L SOHC 16v F20B	CR 439XP					
171	2.0L DOHC 16v F20C	CR4033XP		MB5673XP		TW 140AM	
172	2.0L DOHC 16v K20A2, K20Z1	CR4542XP CR4542XPD		MB5259XP		TW 140AM	
173	2.0L DOHC 16v K20A3	CR4541XP		MB5259XP		TW 140AM	
174	2.1L DOHC 16v B21A1	CR4033XP		MB5568XP		TW 140AM	
175	2.2L DOHC 16v F22C	CR4033XP		MB5673XP		TW 140AM	
176	2.2L DOHC 16v H22A4, H22Z	CR4033XP		MB5568XP		TW 140AM	
177	2.2L DOHC 16v H22A1	CR4033XP		MB5168XP (for 50mm journal)		TW 152AM	
178	2.2L SOHC 16v F22A1, F22A4, F22B1, F22B2, F22B6, F22A6	CR4033XP		MB5168XP (for 50mm journal)		TW 152AM	
179	2.3L DOHC 16v H23A1	CR4033XP		MB5168XP (for 50mm journal)		TW 152AM	
180	2.3L SOHC 16v F23A, F23Z	CR4541XP		MB5568XP		TW 140AM	
181	2.4L DOHC 16v K24A, K24Z1	CR4542XP CR4542XPD		MB5259XP		TW 140AM	
JAGUAR							
182	2.8L XJ6	CR 697XP		MB 788XP			
183	3.4L XK6	CR 697XP		MB 788XP			
184	3.8L MK, XK	CR 697XP		MB 788XP			
185	4.2L XJ	CR 697XP		MB 771XP			
LANCIA							
186	2.0L 8v/16v Delta HF Integrale	CR4601XP		MB5730XP			
MAZDA							
187	1.5L DOHC 16v ZL-VE	CR4002XP		MB5304XP		TW 133AM	
188	1.5L DOHC 16v Z5-DE			MB5304XP		TW 133AM	
189	1.6L SOHC 8v B6, B6F	CR4002XP		MB5304XP		TW 133AM	
170	1.6L DOHC 16v B6D	CR4002XP		MB5304XP		TW 133AM	
171	1.6L DOHC 16v Turbo B6-T	CR4002XP		MB5304XP		TW 133AM	
172	1.6L SOHC 16v B6-2E/ME	CR4002XP		MB5304XP		TW 133AM	
173	1.6L DOHC 16v ZM-DE	CR4002XP		MB5304XP		TW 133AM	
174	1.6L DOHC ZMD	CR4002XP		MB5304XP		TW 133AM	
175	1.8L SOHC 16v BP	CR4002XP		MB5304XP		TW 133AM	
176	1.8L DOHC 16v BP-T	CR4002XP		MB5304XP		TW 133AM	
177	1.8L DOHC 16v BPD	CR4002XP		MB5304XP		TW 133AM	
178	1.8L DOHC 16v BP-Z3	CR4002XP		MB5304XP		TW 133AM	
179	1.8L DOHC 16v Turbo BP-Z3T	CR4002XP		MB5304XP		TW 133AM	
180	1.8L DOHC 16v BP-4W	CR4002XP		MB5304XP		TW 133AM	
181	1.8L DOHC 16v BP-ZE	CR4002XP		MB5304XP		TW 133AM	
182	2.0L DOHC 16v LF MZR	CR4515XP (for 47mm journal)		MB5442XP			
183	2.3L DOHC 16v L3-VDT MZR DISI Turbo Duratec	CR4604XP (for 52mm journal)		MB5442XP			
184	2.3L DOHC 16v Duratec, MZR L3V, MZR L3X, Duratec Hybrid	CR4507XP (for 50mm journal)		MB5442XP			
MITSUBISHI							
185	1.5L DOHC 16v 4G91	CR4119XP		MB5176XP		TW 143AM	
186	1.6L SOHC 8v 4G32/G32B	CR4481XP		MB5227XP			
187	1.6L DOHC 16v (Incl. Turbo) 4G61, 4G61-T	CR4481XP		MB5227XP			
188	1.6L SOHC/DOHC 16v 4G92	CR4119XP		MB5176XP		TW 143AM	
189	1.7L SOHC 8v 4G35	CR4481XP		MB5227XP			
190	1.8L SOHC 8v 4G37	CR4481XP		MB5227XP			
191	1.8L SOHC/DOHC (Incl. Turbo) 4G93, 4G93-T	CR4119XP		MB5176XP		TW 143AM	
192	1.8L SOHC 8v (Incl. Turbo) 4G62/G62B, G62BT	CR4481XP		MB5227XP			
193	1.8L SOHC 8v Diesel 4D65	CR4481XP		MB5227XP			
194	1.8L SOHC 8v Turbo Diesel 4D65-T	CR4481XP		MB5227XP			
195	2.0L SOHC 8v Diesel 4D68	CR4120XP		MB5315XP			
196	2.0L 4G63 (->92)	CR4481XP		MB5227XP			

** Normal street bearings



Engine		Conrod Bearing Set XP Series	Conrod Bearing Set HP Series	Main Bearing Set XP Series	Main Bearing Set HP Series	Thrustwasher Set	Cam bearings set
MITSUBISHI							
197	2.0L 4G63 EVO I-IV ('92->)	CR4120XP		MB5209XP (with flanged brg)			
				MB5315XP		TW 173AM	
198	2.0L 4G63 EVO V-IX ('97-'07)	CR4120XP		MB5315XP		TW 173AM	
199	2.0L DOHC 16v Turbo 4B11T Evo X ('07->)	CR4586XP		MB5722XP		TW1029AM	
200	2.0L 4G94	CR4607XP		MB5176XP		TW 143AM	
201	2.4L 4G64 EVO I-IV ('92->)	CR4120XP		MB5209XP (with flanged brg)			
				MB5315XP		TW 173AM	
202	2.4L 4G64 EVO V-IX ('97-'07)	CR4120XP		MB5315XP		TW 173AM	
203	2.4L 4G64 (->'92)	CR4481XP		MB5227XP			
204	2.4L DOHC 16v 4G69	CR4120XP		MB5315XP			
NISSAN							
205	1.6L DOHC 16v CA16DE	CR 407XP		MB5232XP			
206	1.6L DOHC 16v CA16DET, CA18DET, CA20ET	CR 407XP		MB5232XP			
207	1.6L DOHC 16v CA16DET, CA18DET, CA20ET	CR 407XP		MB5232XP			
208	1.7L SOHC 8v Diesel CD17	CR 407XP		MB5232XP			
209	1.8L DOHC 16V (Incl. Turbo) CA18DE, CA18DET	CR 407XP		MB5232XP			
210	2.0L SOHC 8v CA20E, CA20S	CR 407XP		MB5232XP			
211	2.0L SOHC 8v Diesel (Incl. Turbo) CD20, CD20-T			MB5232XP			
212	2.0L DOHC 24v (Incl. Turbo) RB20DE, RB20DET	CR6752XP		MB7008XP			
213	2.0L DOHC 16v (Incl. Turbo) SR20DE, SR20DET	CR4136XP		MB5243XP		TW 139AM	
214	2.0L SR20DET (GTiR), 16v	CR4587XP		MB5721XP			
215	2.4L DOHC 16v KA24DE / 2.4L SOHC 12V KA24E	CR6752XP		MB7008XP			
216	2.4L DOHC 12V KA24DE	CR4065XP		MB5595XP			
217	2.5L DOHC 24v (Incl. Turbo) RB25DET, RB25DETT	CR6697XP		MB7008XP			
218	2.5L DOHC 24v VQ25DE, VQ25DET	CR6752XP		MB7008XP			
219	2.6L DOHC 24v Turbo RB26DETT	CR6697XP		MB7092XP			
220	3.0L SOHC 12v (Incl. Turbo) RB30E, RB30ET	CR6676XP		MB7008XP			
221	3.0L DOHC 24v VQ30DE, VQ30DET	CR6752XP		MB7008XP			
222	3.0L SOHC 12v VG30i	CR6676XP		MB4104XP			
223	3.0L DOHC 24v Twin Turbo VG30DETT	CR6676XP		MB4104XP			
224	3.3L SOHC 12v VG33E	CR6676XP		MB4104XP			
225	3.5L DOHC 24v VQ35DE	CR6775XP		MB4058XP		TW 271AM	
226	3.5L VQ35HR			MB4524XP		TW1042AM	
227	3.7L VQ37VHR			MB4524XP		TW1042AM	
228	3.8L DOHC 24v Twin Turbo VR38DETT	CR6870XP		MB4524XP		TW1042AM	
229	4.5L VK45DD, VK45DE			MB5770XP			
230	5.6L VK56DE, VK56VD			MB5770XP			
OPEL							
231	1.6L SOHC 8v 16N, 16SH	CR4017XP		MB5179XP			
232	1.6L SOHC 8v Diesel 16D, 16DA	CR4017XP		MB5179XP			
233	1.7L SOHC 8v Diesel 17D, 17DR	CR4017XP		MB5179XP			
234	1.8L 18SV	CR4017XP		MB5179XP			
235	1.8L SOHC 8v 18E, 18N, 18NV, 18S, 18SE, 18SEH	CR4017XP		MB5179XP			
236	1.8L SOHC 8v C18NE, C18NV, C18NT, C18NZ	CR4017XP		MB5179XP			
237	1.8L DOHC 16v C18XE, C18XEL	CR4017XP		MB5179XP			
238	1.8L SOHC 8v E18NV, E18NVR	CR4017XP		MB5179XP			
239	1.8L SOHC 8v S18NV	CR4017XP		MB5179XP			
240	1.8L DOHC 16v X18XE	CR4017XP		MB5179XP			
241	2.0L SOHC 16v C20SED	CR4017XP		MB5179XP			
242	2.0L SOHC 8v 20SE, 20SEH, 20SER, C20NE, C20LE, LT2, LT3	CR4017XP		MB5179XP			
243	2.0L DOHC 16v 20XE	CR4017XP		MB5179XP			
244	2.0L DOHC 16v Turbo C20LET	CR4017XP		MB5179XP			
245	2.0L DOHC 16v C20XE	CR4017XP		MB5179XP			
246	2.0L DOHC 16v X20SE, X20XEV, X20SED	CR4017XP		MB5179XP			
247	2.2L DOHC 16v C22SEL	CR4017XP		MB5179XP			
248	2.2L DOHC 16v X22SE, X22XE	CR4017XP		MB5179XP			
249	2.2L DOHC 16v Y22SE	CR4017XP		MB5179XP			
PEUGEOT							
250	1.3L SOHC 8v TU 2.4, TU2J2	CR4493XP			MB5569AM**		
251	1.4L SOHC 8v TU3A, TU3CP, TU3M, TU3S	CR4493XP			MB5569AM**		
252	1.4L SOHC 8v TU3.2, TU3J2/Z, TU3JP ('88->)	CR4493XP		MB5729XP			
253	1.4L SOHC 8v TU3JP ('05->)			MB5729XP			
254	1.4L SOHC 8v XY6B, XY7, XY8	CR4493XP			MB5508AM**		
255	1.5L SOHC 8v Diesel TUD5			MB5729XP			
256	1.6L SOHC/DOHC 8v/16v TU5J2, TU5J4, TU5JP, TU5JP4	CR4493XP		MB5729XP			
257	1.6L SOHC 8v XU5J, XU5JP	CR4493XP		MB5729XP			
258	1.8L DOHC 16v EW7J4	CR4603XP			MB5760SI**		
259	1.8L SOHC 8v XU7JB, XU7JP	CR4603XP			MB5760SI**		
260	1.8L DOHC 16v XU7JP4	CR4603XP			MB5760SI**		
261	1.9L SOHC 8v XU92C, XU9S	CR4602XP			MB5182AM**		
262	2.0L DOHC 16v EW10A, EW10D, EW10J4, EW10J4S	CR4603XP			MB5760SI**		

** Normal street bearings



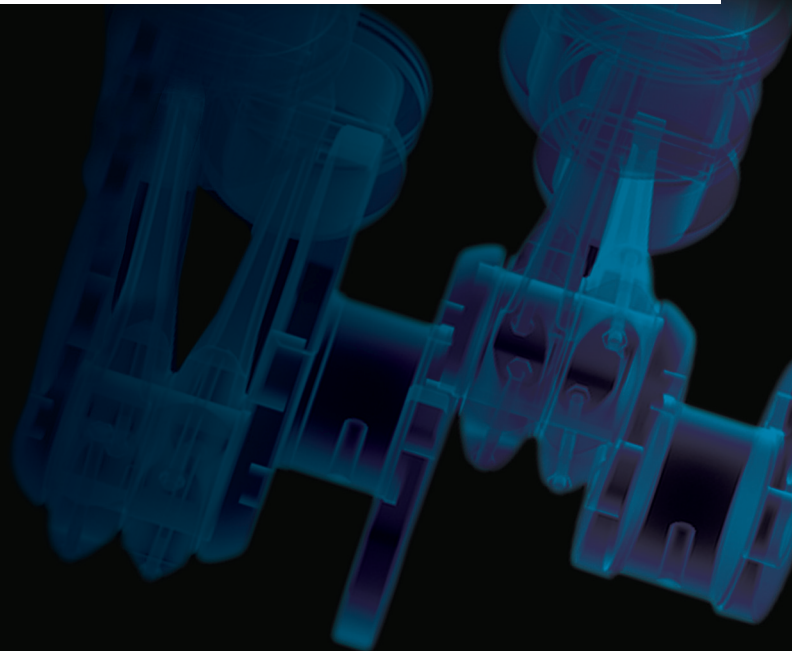
Engine		Conrod Bearing Set XP Series	Conrod Bearing Set HP Series	Main Bearing Set XP Series	Main Bearing Set HP Series	Thrustwasher Set	Cam bearings set
PEUGEOT							
263	2.2L DOHC 16v EW12J4	CR4603XP			MB5760SI**		
264	2.0L DOHC 16v XU10J4, XU10J4RS, XU10J4TE	CR4602XP			MB5129AM**		
265	2.0L SOHC 8v XU102C, XU10J2, XU10J2TE, XU10M	CR4602XP			MB5129AM**		
PORSCHE							
266	2.0L OHC (inc. Turbo) 911, 914	CR6855XP					
267	2.2L OHC 911	CR6855XP					
RENAULT							
268	1.2L SOHC 8v 129-5/XZ7R R14	CR4493XP			MB5508AM**		
269	1.4L SOHC 8v 150-X5J R14	CR4493XP			MB5508AM**		
270	1.7L SOHC 8v F1N, F2N	CR4019XP		MB5180XP			
271	1.7L SOHC 8v F2R	CR4019XP		MB5180XP			
272	1.7L SOHC 8v F3N	CR4019XP		MB5180XP			
273	1.8L SOHC 8v F3P	CR4019XP		MB5180XP			
274	2.0L SOHC 8v F3R	CR4019XP		MB5180XP			
275	1.8L DOHC 16v F7P	CR4019XP		MB5180XP			
276	2.0L DOHC 16v F7R	CR4019XP		MB5180XP			
277	1.6L SOHC 8v Diesel F8M	CR4019XP		MB5180XP			
278	1.9L SOHC 8v Diesel, Turbo Diesel F8Q	CR4019XP		MB5180XP			
SAAB							
279	2.0L B204, B205	CR4606XP		MB5732XP			
280	2.3L B234, B235	CR4606XP		MB5732XP			
SUBARU							
281	2.0L DOHC 16v (Incl. Turbo) EJ20 WRX/STI	CR4125XPG (for 52mm journal)		MB5382XPG (flange in position 5) MB5739XPG (housing bore + .002") MB5740XPG (housing bore + .005")			
		CR4280XP (for 48mm journal)		MB5220XP (flange in position 3)			
282	2.0L 16v FA20	CR4616XPG		MB5745XPG MB5800XPG (housing bore + .002") MB5799XPG (housing bore + .005")			
283	2.0L 16v FB20	CR4622XP		MB5745XPG MB5800XPG (housing bore + .002") MB5799XPG (housing bore + .005")			
284	2.2L SOHC 16v/DOHC 16v (Incl. Turbo) EJ22 WRX/STI	CR4125XPG (for 52mm journal)		MB5382XPG (flange in position 5) MB5739XPG (housing bore + .002") MB5740XPG (housing bore + .005")			
		CR4280XP (for 48mm journal)		MB5220XP (flange in position 3)			
285	2.5L SOHC 16v/DOHC 16v (Incl. Turbo) EJ25 WRX/STI	CR4125XPG (for 52mm journal)		MB5382XPG (flange in position 5) MB5739XPG (housing bore + .002") MB5740XPG (housing bore + .005")			
		CR4280XP (for 48mm journal)		MB5220XP (flange in position 3)			
286	3.0L DOHC 24v EZ30, EZ30D	CR6874XP		MB7772XP			
SUZUKI							
287	1.3L SOHC 8v G13A	CR4605XP		MB5731XP		TW 134AM	
288	1.3L DOHC 16v G13B	CR4605XP		MB5731XP		TW 134AM	
289	1.3L SOHC 16v G13BB	CR4605XP		MB5731XP		TW 134AM	
290	1.3L SOHC 8v G13BA	CR4605XP		MB5731XP		TW 134AM	
291	1.5L DOHC 16v M15A	CR4594XP		MB5727XP			
292	1.6L DOHC 16v M16A	CR4594XP		MB5727XP			
293	1.8L DOHC 16v M18A	CR4594XP		MB5727XP			

** Normal street bearings



Engine		Conrod Bearing Set XP Series	Conrod Bearing Set HP Series	Main Bearing Set XP Series	Main Bearing Set HP Series	Thrustwasher Set	Cam bearings set
TOYOTA							
294	1.3L SOHC 8 v 2A, 2A-LC			MB5527XP		TW 231AM	
295	1.4L DOHC 16v 6A-FC			MB5527XP		TW 231AM	
296	1.5L SOHC 8 v 3A, 3A-C, 3A-U			MB5527XP		TW 231AM	
297	1.5L DOHC 16v 5A-F, 5A-FE			MB5527XP		TW 231AM	
298	1.6L SOHC 8v 4A-C, 4A-LC			MB5527XP		TW 231AM	
299	1.6L DOHC 16v 4A-F, 4A-FE			MB5527XP		TW 231AM	
300	1.6L DOHC 16v/20v 4A-GE	CR4032XP		MB5527XP		TW 231AM	
301	1.6L DOHC 16v 4A-GEC, 4A-GELC	CR4032XP		MB5527XP		TW 231AM	
302	1.6L DOHC 16v Supercharged 4A-GZE	CR4032XP		MB5527XP		TW 231AM	
303	1.8L SOHC 8v 1S			MB5554XP		TW 226AM	
304	1.8L DOHC 16v 4S-FE			MB5554XP		TW 226AM	
305	1.8L DOHC 16v 7A-FE			MB5527XP		TW 231AM	
306	1.8L DOHC 16v 2ZZ-GE	CR4608XP		MB5375XP		TW 185AM	
307	2.0L 4U-GSE	CR4616XPG		MB5745XPG MB5800XPG (housing bore + .002") MB5799XPG (housing bore + .005")			
308	2.0L SOHC 8v 2S, 2S-E			MB5554XP		TW 226AM	
309	2.0L DOHC 16v 3S-FC, 3S-FE			MB5554XP		TW 226AM	
310	2.0L DOHC 16v (Incl. Turbo) 3S-GE, 3S-GTE	CR4209XP		MB5554XP		TW 226AM	
311	2.2L DOHC 16v 5S-FE			MB5554XP		TW 226AM	
312	2.5L DOHC 24v (Incl. Twin Turbo) 1JZ-GE, 1JZ-GTE	CR6754XP		MB7084XP		TW 284AM	
313	3.0L DOHC 24v (Incl. Twin Turbo) 2JZ-GE, 2JZ-GTE	CR6754XP		MB7084XP		TW 284AM	
314	4.0L DOHC 32v 1UZ-FE	CR 888XP		MB5286XP			
315	4.3L DOHC 32v 3UZ-FE	CR 888XP		MB5286XP			
316	4.5L DOHC 24v 1FZ-FE	CR6727XP		MB7049XP			
317	4.7L DOHC 32v 2UZ-FE	CR 888XP		MB5286XP			
VOLKSWAGEN							
318	See under AUDI/VOLKSWAGEN						
VOLVO							
319	2.0L SOHC 8v (Incl. Turbo) B200	CR4599XP					
320	2.0L DOHC 16v (Incl. Turbo) B204	CR4599XP					
321	2.3L SOHC 8v (Incl. Turbo) B230	CR4599XP					
322	2.3L DOHC 16v B234	CR4599XP					
CUSTOM							
323	IHC Tractor 5.9L DT361	CR1629XP		MB7747XP			
324	IHC Tractor 6.7L DT407	CR1629XP		MB7747XP			
325	1.888" Rod Journal w/ 0.792" length	CR8028XP					
326	327 Crank Journal w/ 350 rod	CR 867XPN					
327	6.2L 377 OHV 16v V8 Cleveland Stroker- 2.100" pin w/ .712" width	CR8005XP					
328	400 Spacer Bearing (use Chevy 350 crank in 400)				MB5224AM (spacer set)		

** Normal street bearings







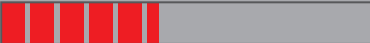





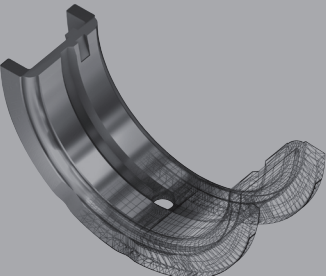


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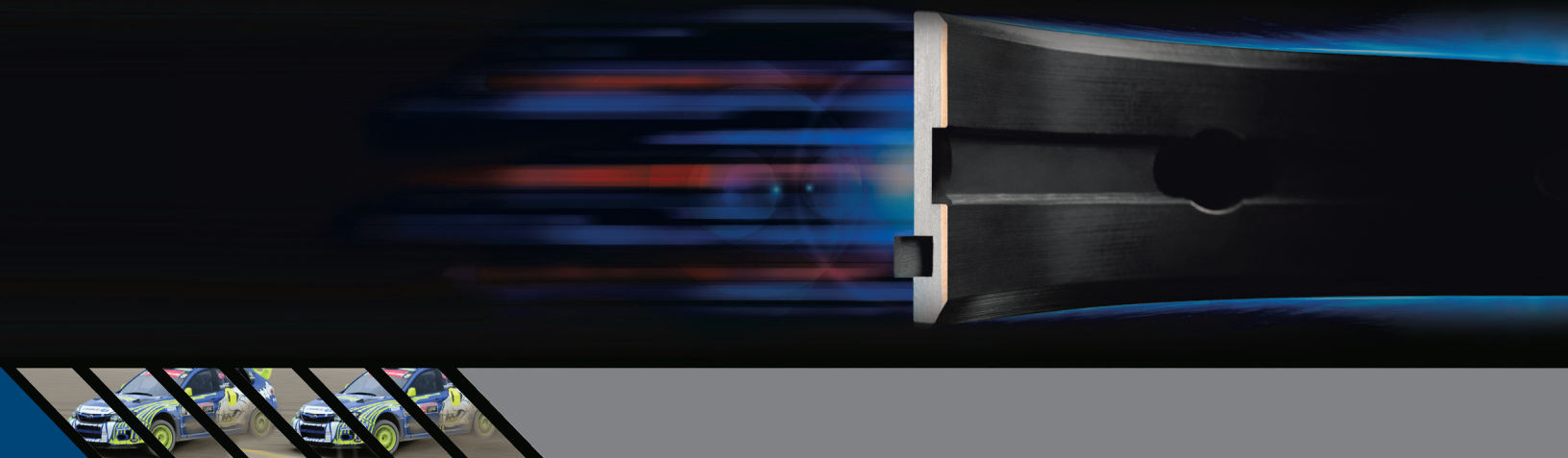
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4B1490H	CR4042XP
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4B4390H	CR4515XP
4B603H	CR 410XP
4B7700H	CR4602XP
4B7712H	CR4493XP
4B7736H	CR4603XP
4B7820H	CR4019XP
4B8036H	CR4119XP
4B8170H	CR4507XP
4B8172H	CR4604XP
4B8296H	CR4125XPG
4B8320H	CR4280XP
4B8336H	CR4605XP
4B8351H	CR4002XP
4B8366H	CR4209XP
4B8440H	CR4594XP
6B1227H	CR6618XP
6B1490H	CR6640XP
6B1497H	CR6853XP
6B1515H	CR6854XP
6B2150H	CR 618XP
6B2306H	CR6664XP
6B2380H	CR6649XP
6B2390H	CR6676XP
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8B1442H	CR 868XPN
8B1663H	CR8028XP
8B1808H	CR8032XPN
8B2356H	CR8007XP
8B481H	CR 805XPN
8B527HD	CR 806HPND
8B527HD	CR 806XPND
8B634H	CR 804XPN
8B663H	CR 807XPN
8B663HD	CR 807XPND
8B743H	CR 808XPN
8B743HD	CR 808XPND
8B745H	CR 803XPN
8B8091H	CR 888XP
8B818H	CR 874HP

ACL	KING
8B831H	CR 814XPN
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5M1633H	MB5232XP
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5M1695H	MB5527XP
5M1743H	MB5278XP
5M1857H	MB5375XP
5M1913H	MB5673XP
5M1957H	MB5568XP
5M1959H	MB5259XP
5M2015H	MB5732XP
5M2152H	MB 512XP
5M2167H	MB5672XP
5M2220H	MB5659XP
5M2232A	MB5413SI
5M2357H	MB5381XP
5M2797H	MB5729XP
5M2908H	MB5730XP
5M2964H	MB5243XP
5M2975H	MB5721XP
5M2995H	MB5770XP
5M429H	MB 554XP
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5M909H	MB 557XP
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7M2092H	MB7063XP
7M2158H	MB7703XP
7M2394H	MB7008XP
7M2428H	MB7092XP
7M8103H	MB7084XP
1T1219	TW 173AM
1T1853	TW 185AM
1T1937	TW 152AM
1T1957	TW 140AM
1T2964	TW 139AM
1T611S	TW1003AM
1T8037	TW 143AM
1T8337	TW 134AM
1T8353	TW 133AM
2T1644	TW2010AM
2T1689	TW 226AM
2T1695	TW 231AM
2T2633	TW 271AM
2T8103	TW 284AM

CLEVITE	KING
CB-1120HN x4	CR4481XP
CB-1353H x4	CR 439XP
CB-1426H x4	CR4104XP
CB-1442H x8	CR 868XPN
CB-1453H	CR4002XP
CB-1461HN x4	CR4046XP
CB-1512M	CR 863HPN
CB-1628H x6	CR6754XP
CB-1629H x4	CR4136XP
CB-1629H x6	CR6697XP
CB-1643H x4	CR4120XP
CB-1657H x4	CR4125XPG
CB-1663H x8	CR8028XP
CB-1780H x4	CR4033XP
CB-1785H x4	CR4287XP
CB-1808HN	CR8032XPN
CB-1838H	CR4507XP
CB-1840H	CR4515XP
CB-1856HN x8	CR 867XPN
CB-1861H x4	CR4542XP
CB-1918H x4	CR4586XP
CB-481HN x8	CR 805XPN
CB-527HD x8	CR 806XPND
CB-527HND x8	CR 806HPND
CB-634H x8	CR 804XPN
CB-663HN	CR 807HPN
CB-663H x8	CR 807XPN
CB-663HD x8	CR 807XPND
CB-663HN x8	CR 807XPN
CB-663HND x8	CR 807XPND
CB-743H x8	CR 808HPN
CB-743HD x8	CR 808XPND
CB-743HN x8	CR 808XPN
CB-745H x8	CR 803XPN
CB-818H x8	CR 874HP
CB-831HN x8	CR 814XPN
CB-927HN	CR 813XPN
MS-1010H	MB5503XP
MS-1038H	MB 509XP
MS-1039V	MB5650XP
MS-1432H	MB5505XP
MS-1564P	MB5224AM
MS-1795H	MB5116HP
MS-1795M	MB5116XP
MS-1802H	MB5304XP
MS-1804H	MB5568XP
MS-2007H	MB5353XP
MS-2014H	MB7084XP
MS-2015H	MB5243XP
MS-2039H	MB5209XP
MS-2095H	MB5259XP
MS-2198H	MB5283HP
MS-2199H	MB5013XP
MS-2202H	MB5280XP
MS-2220H	MB5659XP
MS-2232AL	MB5413SI
MS-2258H	MB5382XPG
MS-2259H	MB5283XP
MS-2261H	MB5315XP
MS-2307H	MB5722XP
MS-2309H	MB5673XP
MS-2321H	MB5777XP
MS-429H	MB 554XP
MS-483P	MB5511HP
MS-540H	MB 558XP
MS-590H	MB 529XP
MS-829H	MB 556HP
MS-829H	MB 556XP
MS-909H	MB 557XP
S-2245H	MB5442XP
TW-340S	TW2009AM
TW-455S	TW 134AM
TW-472S	TW 133AM
TW-587S	TW 152AM
TW-611S	TW1003AM
TW-683S	TW 185AM



	 HP SERIES	 XP SERIES
Metal Structure	Bimetal aluminum Silicon alloy	Trimetal Copper lead
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, off-shore, others using steel crankshafts.
Load Characteristics	High load/short duration or medium load/long duration	High load/long duration
Melting Temperature	 450° F	 350° F
Load Capacity		
Conformability/Embedability		
Anti Seizure		
		



- 1 Bearing types:
 - **MB** - Main bearing set
 - **CR** - Con rod bearing set
 - **CS** - Camshaft bearing set
 - **TW** - Thrust washer 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

Thrustwasher suffix

- **AM** - Aluminum based material

Cam bearing suffix

- **BB** - Lead base 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	.025		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





www.kingracebearings.com

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performance descriptions subject to engine customization, which
therefore may not always apply as described, or may change due to
product developments.

MRK-RC003 REV-03

