

KING RACING

HIGH PERFORMANCE BEARINGS

King Racing for BMW



BRING IT ON!

With King engine bearings in the rotating assembly, your BMW engine is ready for all the torque, horsepower and RPM range you need to drop jaws and finish first.

Highly modified BMW engines can suffer from issues such as low oil pressure and oil starvation, which can cause premature rod and/or main bearing failure. Additionally, the greater loads and increased cylinder pressures can easily fatigue “street duty” engine bearings, again leading to premature failure.

King Engine Bearings offers superior engine bearing choices designed to outperform anything available in the market today. Our advanced technology bearing materials and constructions enable every high-end BMW engine builder to achieve the performance his clients demand and the reliability they require. Whether for all-out racing competition or combination street/strip ego indulgence, King has the right bearing for every requirement.

SV/GPC - New Material for Extreme Loads
King's new silver based SV and GPC tri-metal material

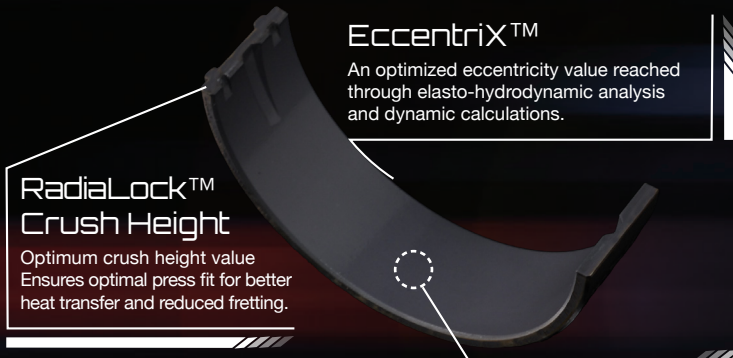
handles 17,000 PSI compared to available race materials that peak at 11,000 PSI. SV and its polymer coated version, GPC, feature an intermediate lead-bronze layer over steel, topped by a silver overlay containing solid lubricant particles. GPC's polymer coating helps protect the bearings in case of oil starvation and metal-to-metal contact. See the application chart in this brochure for current SV and GPC coverage.

King Polymer Coatings - No Added Thickness!
Unlike conventional coatings, King factory applied polymer coatings maintain original wall thickness. Need 0.026mm extra clearance on a STD crank? No problem, order STDX ! And you can mix STDX shells with STD if needed to reach the exact clearance you want.

King SV, XP, XPC and GPC bearings are the key to reliable high-performance BMW engines.

Design Features* for
BMW N54, N55, N20, N26
CR 222SV/GPC

Design Features* for
BMW M20, M50, M52, M54
MB7039XPC



SV/GPC - New Material for Extreme Loads

SV and its polymer coated version, GPC feature an intermediate lead-bronze layer over steel, topped by a silver overlay containing solid lubricant particles. GPC's polymer coating provides added protection to the engine in case of oil starvation and metal-to-metal contact.

pMaxKote™ - Polymer coating

Contains ceramic nano-composite particles. Functions as a 4th layer over the pMaxBlack™ (XP) without changing the original wall thickness.

*Exclusive King features are available per select applications. Please consult King's online catalog for definitive features for your selected bearing.

Chassis	Engine Information	CR	MB
E21 (1977-1983)	M20B23 2.3L	CR6640XP/XPC	MB7039XP/XPC
E28 (1982-1988)	M20B27 2.7L	CR6640XP/XPC	MB7039XP/XPC
E28 (1982-1988)	M21D24 2.4L Turbo Diesel	CR1689SV	
E30 (1984-1992)	M20B25 2.5L	CR6640XP/XPC	MB7039XP/XPC
E30 (1984-1992)	M20B27 2.7L	CR6640XP/XPC	MB7039XP/XPC
E30 (1984-1992)	S14B23 2.3L DOHC	CR4596XP	
E30 (1984-1992)	S14B25 2.5L DOHC	CR4596XP	
E30	S14B20 2.0L DOHC 16v	CR4596XP	
E30/ E34/ E36	M40B16, M43B16 1.6L SOHC 8v	CR4042XP	MB5082XP
E30/ E36/ Also Fits Z3	M40B18, M42B18, M43B18 1.8L SOHC/ DOHC 8V/16v	CR4042XP	MB5082XP
E34 (1989-1995)	M20B25 2.5L	CR6640XP/XPC	MB7039XP/XPC
E34 (1989-1995)	M50B25 2.5L DOHC 24v	CR6640XP/XPC	MB7039XP/XPC
E36 (1992-1999)	M44B19 1.9L DOHC 16v	CR4042XP/XPC	MB5082XP
E36 (1992-1999)	M50B25 2.5L DOHC 24v	CR6640XP/XPC	MB7039XP/XPC
E36 (1992-1999)	M52B25 2.5L DOHC 24v	CR6640XP/XPC	MB7039XP/XPC
E36 (1992-1999)	M52B28 2.8L DOHC 24v	CR6640XP/XPC	MB7039XP/XPC
E36 (1992-1999)	S50B30US 3.0L	CR6854XP	MB7039XP/XPC
E36, E46, ALSO FITS Z3	M43B16, M44B19 1.9L SOHC/DOHC 8v/16v	CR4042XP	MB5082XP
E36/5 (1995-1999)	M44B19 1.9L DOHC 16v	CR4042XP	MB5082XP
E36/7 Roadster / E36/8 Coupe Z3 (1997-2002)	M44B19 1.9L DOHC 16v	CR4042XP	MB5082XP
E36/7 Roadster / E36/8 Coupe Z3 (1997-2002)	M52B25TU 2.5L	CR6640XP/XPC	MB7039XP/XPC
E36/7 Roadster / E36/8 Coupe Z3 (1997-2002)	M52B28 2.8L DOHC 24v	CR6640XP/XPC	MB7039XP/XPC
E36/7 Roadster / E36/8 Coupe Z3 (1997-2002)	M52B28TU 2.8L	CR6640XP/XPC	MB7039XP/XPC
E36/7 Roadster / E36/8 Coupe Z3 (1997-2002)	M54B25 2.5L	CR6640XP/XPC	MB7039XP/XPC
E36/7 Roadster / E36/8 Coupe Z3 (1997-2002)	M54B30 3.0L	CR6640XP/XPC	MB7039XP/XPC
E36/7 Roadster / E36/8 Coupe Z3 (1997-2002)	S54B32 3.2L	CR6640XP/XPC	MB7039XP/XPC
E39 (1997-2003)	M52B28 2.8L DOHC 24v	CR6640XP/XPC	MB7039XP/XPC
E39 (1997-2003)	M54B25 2.5L	CR6640XP/XPC	MB7039XP/XPC
E39 (1997-2003)	M54B30 3.0L	CR6640XP/XPC	MB7039XP/XPC
E46 (1999-2006)	M52B20TU 2.0L	CR6640XP/XPC	MB7039XP/XPC
E46 (1999-2006)	M52B25TU 2.5L	CR6640XP/XPC	MB7039XP/XPC
E46 (1999-2006)	M52B28TU 2.8L	CR6640XP/XPC	MB7039XP/XPC
E46 (1999-2006)	M54B22 2.2L	CR6640XP/XPC	MB7039XP/XPC
E46 (1999-2006)	M54B25 2.5L	CR6640XP/XPC	MB7039XP/XPC
E46 (1999-2006)	M54B30 3.0L	CR6640XP/XPC	MB7039XP/XPC
E46 (1999-2006)	S54B32 3.2L	CR6640XP/XPC	MB7039XP/XPC
E53 (2000-2006)	M54B30 3.0L	CR6640XP/XPC	MB7039XP/XPC
E53 (2000-2006)	N62B44O0 4.4L V8	CR8049SV/GPC	

Chassis	Engine Information	CR	MB
E53 (2000-2006)	N62B48O0 4.8L V8	CR8049SV/GPC	
E60 Sedan / E61 Sport Wagon (2004-2010)	M54B25 2.5L	CR6640XP/XPC	MB7039XP/XPC
E60 Sedan / E61 Sport Wagon (2004-2010)	M54B30 3.0L	CR6640XP/XPC	MB7039XP/XPC
E60 Sedan / E61 Sport Wagon (2004-2010)	N54B30M0 3.0L	CR 222SV/GPC	
E60 Sedan / E61 Sport Wagon (2004-2010)	N62B44M0 4.4L V8	CR8049SV/GPC	
E60 Sedan / E61 Sport Wagon (2004-2010)	N62B48M0 4.8L V8	CR8049SV/GPC	
E60 Sedan / E61 Sport Wagon (2004-2010)	S85B50 5.0L V10	CR 224SV/GPC	MB 637XP
E63 Coupe / E64 Convertible (2004-2010)	N62B44M0 4.4L V8	CR8049SV/GPC	
E63 Coupe / E64 Convertible (2004-2010)	N62B48M0 4.8L V8	CR8049SV/GPC	
E63 Coupe / E64 Convertible (2004-2010)	S85B50 5.0L V10	CR 224SV/GPC	MB 637XP
E65 SWB / E66 LWB (2002-2008)	N62B44M0 4.4L V8	CR8049SV/GPC	
E65 SWB / E66 LWB (2002-2008)	N62B48, N62B48M0 4.8L V8	CR8049SV/GPC	
E70 (2007-2013)	N55B30M0 3.0L	CR 222SV/GPC	
E70 (2007-2013)	N62B48O0 4.8L V8	CR8049SV/GPC (2007-3/2011) CR8050SV/GPC (3/2011-2013)	
E70 (2007-2013)	N63B44O0, S63B44O0 4.4L V8	CR8049SV/GPC (2007-3/2011) CR8050SV/GPC (3/2011-2013)	
E71 (2009-2013)	N54B30M0 3.0L	CR 222SV/GPC	
E71 (2009-2013)	N55B30M0 3.0L	CR 222SV/GPC	
E71 (2009-2013)	N63B44O0, S63B44O0 4.4L V8	CR8049SV/GPC (2009-3/2011) CR8050SV/GPC (3/2011-2013)	
E82 Coupe / E88 Convertible (2008-2013)	N54B30M0, N54B30T0 3.0L	CR 222SV/GPC	
E82 Coupe / E88 Convertible (2008-2013)	N55B30M0 3.0L	CR 222SV/GPC	
E83 (2003-2010)	M54B25 2.5L	CR6640XP/XPC	MB7039XP/XPC
E83 (2003-2010)	M54B30 3.0L	CR6640XP/XPC	MB7039XP/XPC
E84 (2009-2015)	N20B20M0 2.0L	CR 222SV/GPC	
E84 (2009-2015)	N55B30M0 3.0L	CR 222SV/GPC	
E85 Roadster / E86 Coupe Z4 (2003-2008)	M54B25 2.5L	CR6640XP/XPC	MB7039XP/XPC
E85 Roadster / E86 Coupe Z4 (2003-2008)	M54B30 3.0L	CR6640XP/XPC	MB7039XP/XPC
E85 Roadster / E86 Coupe Z4 (2003-2008)	S54B32 3.2L	CR6877XP/XPC	MB7039XP/XPC
E89 Z4 (2009-2016)	N20B20M0 2.0L	CR 222SV/GPC	
E89 Z4 (2009-2016)	N54B30M0, N54B30O0 3.0L	CR 222SV/GPC	

Chassis	Engine Information	CR	MB
E90 Sedan / E91 Sport Wagon (2006-2011)	N54B30M0, N54B30O0 3.0L	CR 222SV/GPC	
E90 Sedan / E91 Sport Wagon (2006-2011)	N55B30M0 3.0L	CR 222SV/GPC	
E90 Sedan / E91 Sport Wagon (2006-2011)	S65B40 4.0L V8	CR 224SV/GPC	MB5803XP
E92 Coupe / E93 Convertible (2007-2013)	N54B30O0, N54B30T0 3.0L	CR 222SV/GPC	
E92 Coupe / E93 Convertible (2007-2013)	N55B30M0 3.0L	CR 222SV/GPC	
E92 Coupe / E93 Convertible (2007-2013)	S65B40 4.0L V8	CR 224SV/GPC	MB5803XP
F01 SWB / F02 LWB (2009-2015)	N54B30M0 3.0L	CR 222SV/GPC	
F01 SWB / F02 LWB (2009-2015)	N55B30M0 3.0L	CR 222SV/GPC	
F01 SWB / F02 LWB (2009-2015)	N63B44O0 4.4L V8	CR8049SV/GPC (2009-3/2011) CR8050SV/GPC (3/2011-2015)	
F06 GranCoupe / F12 Convertible / F13 Coupe (2012-2017)	N55B30M0 3.0L	CR 222SV/GPC	
F06 GranCoupe / F12 Convertible / F13 Coupe (2012-2017)	N63B44O1 4.4L V8	CR8050SV/GPC	
F06 GranCoupe / F12 Convertible / F13 Coupe (2012-2017)	S63B44T1 4.4L V8	CR8050SV/GPC	
F07 GT, F10 Sedan (2011-2016)	N20B20M0 2.0L	CR 222SV/GPC	
F07 GT, F10 Sedan (2011-2016)	N55B30M0 3.0L	CR8049SV/GPC (-3/2011) CR8050SV/GPC (3/2011-2016)	
F07 GT, F10 Sedan (2011-2016)	N63B44O0, N63B44O1 4.4L V8	CR8049SV/GPC (-3/2011) CR8050SV/GPC (3/2011-2016)	
F07 GT, F10 Sedan (2011-2016)	S63B44T1 4.4L V8	CR8049SV/GPC (-3/2011) CR8050SV/GPC (3/2011-2016)	
F15 (2014-2018)	N55B30M0 3.0L	CR 222SV/GPC	
F15 (2014-2018)	N57D30TU 3.0L	CR1658SV	
F15 (2014-2018)	N63B44O2 4.4L V8	CR8050SV/GPC	
F16 (2014-2019)	N55B30M0 3.0L	CR 222SV/GPC	
F16 (2014-2019)	N63B44O0 4.4L V8	CR8050SV/GPC	
F22 Coupe / F23 Convertible (2014+)	N20B20M0 2.0L	CR 222SV/GPC	
F22 Coupe / F23 Convertible (2014+)	N26B20M0 2.0L	CR 222SV/GPC	
F22 Coupe / F23 Convertible (2014+)	N55B30M0 3.0L	CR 222SV/GPC	
F25 (2011-2017)	N20B20O0 2.0L	CR 222SV/GPC	
F25 (2011-2017)	N55B30M0 3.0L	CR 222SV/GPC	
F26 (2014-2018)	N20B20O0 2.0L	CR 222SV/GPC	

Chassis	Engine Information	CR	MB
F26 (2014-2018)	N55B30M0, N55B30T0 3.0	CR 222SV/GPC	
F30 Sedan / F31 Sport Wagon / F34 GT (2012-2018)	N20B20K0, N20B20M0 2.0L	CR 222SV/GPC	
F30 Sedan / F31 Sport Wagon / F34 GT (2012-2018)	N26B20M0 2.0L	CR 222SV/GPC	
F30 Sedan / F31 Sport Wagon / F34 GT (2012-2018)	N47D20O1 2.0L	CR1658SV	
F30 Sedan / F31 Sport Wagon / F34 GT (2012-2018)	N55B30M0 3.0L	CR 222SV/GPC	
F32 Coupe / F33 Convertible / F36 GranCoupe (2014-2020)	N20B20M0 2.0L	CR 222SV/GPC	
F32 Coupe / F33 Convertible / F36 GranCoupe (2014-2020)	N26B20M0 2.0L	CR 222SV/GPC	
F32 Coupe / F33 Convertible / F36 GranCoupe (2014-2020)	N55B30M0 3.0L	CR 222SV/GPC	
F48 (2016-)	N20B20M0 2.0L	CR 222SV/GPC	
F85 (2014-)	S63B44T2 4.4L V8	CR8050SV/GPC	
F86 (2014-)	S63B44T2 4.4L V8	CR8050SV/GPC	
F87 (2016+)	N55B30T0 3.0L	CR 222SV/GPC	
F90 (2018-)	S63B44T4 4.4L V8	CR8050SV/GPC	
F91 Convertible / F92 Coupe / F93 GranCoupe (2018-)	S63B44T1 4.4L V8	CR8050SV/GPC	
G05 (2019-)	N63B44M0 4.4L V8	CR8050SV/GPC	
G06 (2020-)	N63B44M0 4.4L V8	CR8050SV/GPC	
G07 (2019-)	N63B44O2 4.4L V8	CR8050SV/GPC	
G11 SWB / G12 LWB (2016-)	N63B44O2 4.4L V8	CR8050SV/GPC	
G14 Convertible / G15 Coupe / G16 GranCoupe (2018-)	N63B44T0 4.4L V8	CR8050SV/GPC	
G30 (2017-)	N63B44T2, N63R, 4.4L V8	CR8050SV/GPC	
Mini Cooper	W10B16 1.6L SOHC 16v	CR4537XP	MB5667SI*
Mini Cooper	W11B16 1.6L SOHC 16v Supercharged	CR4600XP	MB5667SI*
Mini Cooper	M20B20, M50B20 2.0L 12v/24v	CR6640XP/XPC	MB7039XP/XPC
Mini Cooper	M50B27 2.7L	CR6640XP/XPC	MB7039XP/XPC
Mini Cooper	S50B32 3.2L DOHC 24v	CR6853XP/XPC	MB7039XP/XPC
Mini Cooper	S52B32 3.2L DOHC 24v	CR6640XP/XPC	MB7039XP/XPC

*O.E. replacement bearing

It is customer's responsibility to verify with the auto maker and/or King Engine Bearings the product compatibility along with the automobile's engine and chassis codes.



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