



RACE SEALS

PERFORMANCE ENGINE BEARINGS



**NO RISK
NO COMPROMISE
TOTAL PERFORMANCE**



WINNERS FOR DESIGN - METALLURGY - ENGINEERING

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Application	Rod Bearing Set	Sizes	Main Bearing Set	Sizes	Cam Bearing Set / Thrustwasher Set / Piston Pin Bush	Size
Alfa Romeo 1570cc, 1779cc, 1962cc Alfetta, Giulia, Giulietta, Spider, GT	4B1110H	Std, .25	5M1112H	Std, .25		
BMW M40B16, M40B18, M42B18, M43B16, M43B18, M43B19, M44B19 (1.6,1.8,1.9L) 316, 318, Z3	4B1490H	Std, .025, .25, .50	5M1538H	Std, .025, .25, .50		
	4B1490HX	Std	5M1538HX	Std		
BMW M20B20, M20B25, M20B27, M50B20, M50B25, M50B27, M52B20, M52B25, M52B28, M54B22, M54B25, M54B30	6B1490H	Std, .025, .25, .50	7M1532H	Std, .025, .25, .50		
	6B1490HX	Std	7M1532HX	Std		
Custom Performance (1.889" journal, 0.792" wide)	8B1663H	Std,001,010				
	8B1663HX	Std				
Custom Performance (1.889" journal, 0.896" wide w/ dowel)	8B1665HD	Std,001				
	8B1665HDX	Std				
Chev 262, 267, 302, 305, 307, 327, 350 ci V8	8B663H	Std,001,009,010,011,020	5M909H	Std,001,009,010,011,020	5C3349C	Std
	8B663HX	Std	5M909HX	Std	5C3346C {housing bores constant at 1.999/2.001" (50.775/50.825mm)}	Std
	8B663HD	Std,001,010			5C004AS {+0.010" OD, hsg bore 2.029/2.031" (51.537/51.587mm), customer to drill oil holes}	Std
	8B663HDX	Std			5C004BS {+0.020" OD, hsg bore 2.039/2.041" (51.791/51.841mm), customer to drill oil holes}	Std
Chev 265, 283, 327 ci V8	8B745H	Std,001,010	5M429H	Std,001,010	5C3349C	Std
	8B745HX	Std	5M429HX	Std	5C3346C {housing bores constant at 1.999/2.001" (50.775/50.825mm)}	Std
	8B745HD	Std,001,010			5C004AS {+0.010" OD, hsg bore 2.029/2.031" (51.537/51.587mm), customer to drill oil holes}	Std
	8B745HDX	Std			5C004BS {+0.020" OD, hsg bore 2.039/2.041" (51.791/51.841mm), customer to drill oil holes}	Std
Chev 294 (4.8L), 325 (5.3L) 346 (5.7L) Gen III, 365 (6.0L) Vortec	8B663H	Std,001,009,010,011,020	5M7297H	Std,001,010,020	5C1000S (1st design 1997-2003)	Std
	8B663HX	Std	5M7297HX	Std	5C1001S (2nd design 2003-on)	Std
	8B663HD	Std,001,010				
	8B663HDX	Std				
Chev 400 ci V8	8B663H	Std,001,009,010,011,020	5M1038H	Std,001,010	5C3349C	Std
	8B663HX	Std	5M1038HX	Std	5C3346C {housing bores constant at 1.999/2.001" (50.775/50.825mm)}	Std
	8B663HD	Std,001,010			5C004AS {+0.010" OD, hsg bore 2.029/2.031" (51.537/51.587mm), customer to drill oil holes}	Std
	8B663HDX	Std			5C004BS {+0.020" OD, hsg bore 2.039/2.041" (51.791/51.841mm), customer to drill oil holes}	Std
Chev 366, 396, 402, 427 454 ci V8	8B743H	Std,001,009,010,011,020	5M829H	Std,001,009,010,011,020	5C615S (1965-66)	Std
	8B743HX	Std	5M829HX	Std	5C616S (1967 on)	Std
	8B743HD	Std,001,010				
	8B743HDX	Std				
Chrysler 273, 318 ci V8	8B481H	Std,001,010	5M540P**	Std,10,20,30,40	5C875S (was part # 5C4636)	Std
	8B481HX	Std				
Chrysler 318 ci LA / Magnum V8	8B481H	Std,001,010	5M1344P**	Std,01,10,20,30,40	5C875S (1974-79)	Std
	8B481HX	Std			5C1112S (1980 on)	Std
Chrysler 345 ci (5.7L) Hemi	8B1808H	Std,.025,.25	5M2220H	Std,.025,.25	1T611S	Std
	8B1808HX	Std	5M2220HX	Std		
Chrysler 360 ci V8	8B481H	Std,001,010	5M1051P** (1971-73)	Std,10,20,30,40	5C875S (1971-79)	Std
	8B481HX	Std	5M1266P** (1974 on)	Std,01,10,20,30	5C1112S (1980 on)	Std
Chrysler 350, 361, 383, 400 ci V8	8B527HD	Std,010	5M876P**	Std,10,20,30,40	5C876S	Std
	8B527HDX	Std				
Chrysler 413, 440 ci V8	8B527HD	Std,010	5M1277P** (1974-80)	Std,10,20,30	5C876S	Std
	8B527HDX	Std	5M877P** (1959-73)	Std,10,20,30,40		
Ford BDA, BDB, BDC, BDD etc.	4B1060H	Std,001,010,020	5M2152H	Std,001,010,020	1T2152	Std, +005
	4B1060HX	Std	5M2152HX	Std		
Ford Cosworth 2.0L	4B2166H	Std, .25, .50	5M2167H	Std, .25, .50	2T2167	Std, +005
	4B2166HX	Std	5M2167HX	Std		
Ford 2300 Stroker (Ford USA)	1B2280H	Std,01,10,20	5M1117H	Std,01,10,20	4C777S	Std
	1B2280HX	Std	5M1117HX	Std	4C777BS	Std
			5M1743H	Std,01,10,20	2C1095S (Aux.)	Std
			5M1743HX	Std		
Ford 200ci, 250ci Non X Flow 3.2L, 3.3L, 3.9L, 4.0L, 4.1L X Flow Inline 6 (Ford Australia)	6B2150H	Std,001,010,020	7M2158H	Std,001,010,020	4C5826	Std
	6B2150HX	Std	7M2158HX	Std		
Ford 4.0L Inline 6 (AU/BA) (Ford Australia)	6B2150H	Std,001,010,020	7M2092H	Std,001,010,020		
	6B2150HX	Std	7M2092HX	Std		

**Duraglide 780 material
HX - 0.001" extra clearance on
Standard journal.
HD - Bearing has dowel hole
location.

PLEASE NOTE: WE RECOMMEND BEFORE GRINDING YOUR CRANKSHAFT, YOU CHECK WITH YOUR LOCAL DISTRIBUTOR TO ENSURE THE UNDERSIZE REQUIRED IS AVAILABLE.

For technical enquiries call +61 (0)3 6324 4600 or visit www.aciperformance.com.au

Application	Rod Bearing Set	Sizes	Main Bearing Set	Sizes	Cam Bearing Set / Thrustwasher Set / Piston Pin Bush	Size
Ford 221, 255, 260, 289, 302 ci Windsor V8	8B634H	Std,001,009,010,011,020	5M590H	Std,001,009,010,011,020	5C1321S	Std
	8B634HX	Std	5M590HX	Std	5C1763S (constant hsg bores at 2.2041"/2.2051" - SVO engines)	Std
	8B634HD	Std,001,010				
	8B634HDX	Std				
Ford 4.6L VIN 6,W,X Windsor SOHC, 5.4L SOHC V8	8B1442H	Std,.025,.25	5M7296H	Std,.025,.25	6C1100A	Std
	8B1442HX	Std	5M7296HX	Std	RB4113	Semi
Ford 4.6L DOHC, 4.6L SOHC 24V V8	8B1442H	Std,.025,.25	5M5647H	Std,.025,.25	6C1201A (late '96 on)	Std
	8B1442HX	Std	5M5647HX	Std	RB4113	Semi
Ford 351 Windsor V8	8B831P**	Std,01,10,20,30,40	5M1432H	Std,001,010	5C1321S	Std
			5M1432HX	Std		
Ford 302/351ci Cleveland V8	8B927H	Std,001,010,020	5M1010H	Std,001,010,020	5C710C (was part # 5C5696)	Std
			5M1010HX	Std	5C1763S (constant hsg bores at 2.2041"/2.2051" - SVO engines)	Std
Ford 377ci Cleveland stroker (using Chev conrods)	8B1227H	Std,01,10	5M1010H	Std,001,010,020	5C710C (was part # 5C5696)	Std
	8B1227HX	Std	5M1010HX	Std	5C1763S (constant hsg bores at 2.2041"/2.2051" - SVO engines)	Std
Ford 429, 460 ci V8	8B818H	Std,001,010	5M1039H	Std,001,010	5C1763S (constant hsg bores at 2.2041"/2.2051" - SVO engines)	Std
			5M1039HX	Std		
Ford/Lotus 1500cc-1600cc Inline 4 OHV & Twin Cam (Elan/Escort/Cortina)	4B603H	Std,001,010,020	5M2152H	Std,001,010,020	10C5808 (Twin Cam)	Std
	4B603HX	Std	5M2152HX	Std	1T2152	Std, +005
Ford / Lotus 1598cc twin cam	4B603H	Std, 001, 010, 020	5M2152H	Std,.025, .25, .50		
	4B603HX	Std				
	4B1060H	Std, 001, 010, 020	5M2152HX	Std		
	4B1060HX	Std				
Ford/Mazda 2.0L (LF) Duratec	4B4390H	Std,.025,.25				
	4B4390HX	Std				
Ford/Mazda 2.3L (L3) Duratec	4B8170H	Std,.025,.25				
	4B8170HX	Std				
GM/Holden/Opel 1.6/1.8/2.0/2.4L Family II engines	4B2322H	Std, .025, .25, .50				
	4B2322HX	Std				
Holden 202ci Inline 6 Red, Blue, Black	6B2380H	Std,001,010,020	7M2398H	Std,001,010,020	4C5116	Std,001
	6B2380HX	Std	7M2398HX	Std		005, 010
Holden 138, 149, 161, 173, 179, 186 ci Inline 6	6B2380H	Std,001,010,020	7M2384H	Std,001,010,020	4C5116	Std,001
	6B2380HX	Std	7M2384HX	Std		005, 010
Holden/Buick 231 ci (3.8L V6) (Universal Main Set to suit all)	6B2306H (1990 on)	Std,001,010,020	4SM2222H	Std,001,010,020	4C5106 (1988-5/95)	Std,010
	6B2306HX (1990 on)	Std	4SM2222HX	Std	4C5108 (5/95 on)	Std,010
Holden 253ci, 4.9L, 308ci, 5.7L V8 Red, Blue, Black	8B2356H	Std,001,010,020	5M2357H	Std,001,010,020	5C5146C	Std,002,010
	8B2356HX	Std	5M2357HX	Std		
Honda A20A4, A20A2, ES, ET 1955cc	4B1946H	Std,.025,.25				
	4B1946HX	Std				
Honda/Acura D16A1/A6, D16Z, D16Y 1590cc Inline 4	4B1956H	Std,.025,.25	5M1957H	Std,.025,.25	1T1957	Std
	4B1956HX	Std	5M1957HX	Std		
Honda/Acura B16A2/B16A3	4B1946H	Std,.025,.25	5M1959H	Std,.025,.25	1T1957	Std
	4B1946HX	Std	5M1959HX	Std		
Honda/Acura B17A1/B18A1/B18B1 1678cc/1834cc Inline 4	4B1946H	Std,.025,.25	5M1959H	Std,.025,.25	1T1957	Std
	4B1946HX	Std	5M1959HX	Std		
Honda/Acura B18C1 /B18C5 VTEC 1797cc Inline 4	4B1925H	Std,.025,.25	5M1959H	Std,.025,.25	1T1957	Std
	4B1925HX	Std	5M1959HX	Std		
Honda B20B/B20Z 1972cc Inline 4	4B1946H	Std,.025,.25	5M1959H	Std,.025,.25	1T1957	Std
	4B1946HX	Std	5M1959HX	Std		
Honda/Acura K20A3 2.0L Inline 4	4B1906H	Std,.025,.25, .50	5M1959H	Std,.025,.25	1T1957	Std
	4B1906HX	Std	5M1959HX	Std		
Honda/Acura K20A2/K24A 2.0L/2.4L Inline 4	4B1972H	Std,.025,.25	5M1959H	Std,.025,.25	1T1957	Std
	4B1972HX	Std	5M1959HX	Std		
Honda F20C / F22C 2.0L/2.2L Inline 4	4B1912H	Std,.025,.25	5M1913H	Std,.025,.25	1T1957	Std
	4B1912HX	Std	5M1913HX	Std		
Honda H22A4 (97-01) 2.2L Inline 4	4B1912H	Std,.025,.25	5M1957H	Std,.025,.25	1T1957	Std
	4B1912HX	Std	5M1957HX	Std		
Honda F23A (1998 on) 2.3L Inline 4	4B1906H	Std,.025,.25, .50	5M1957H	Std,.025,.25		
	4B1906HX	Std	5M1957HX	Std		
Mazda 2.3L (L3) Duratech, Mazda 3,6	4B8170H	Std, .025, .25				
	4B8170HX	Std				
Mazda B6/B6-T, BP/BP-T, ZM, B3, B5, 1.6L, 1.8L Inline 4	4B8351H	Std,.025,.25,.50	5M8353H	Std,.025,.25,.50	1T8353	Std
	4B8351HX	Std	5M8353HX	Std		
Mitsubishi 4G63/4G63T/4G64 (1983-1992)	4B1146H	Std,.025,.25	5M1144H	Std,.025,.25		
	4B1146HX	Std	5M1144HX	Std		
Mitsubishi 4G63/4G63T/4G64 (1992-97 with flange main)	4B1185H	Std,.025,.25	5M1186H	Std,.025,.25		
	4B1185HX	Std	5M1186HX	Std		

Application	Rod Bearing Set	Sizes	Main Bearing Set	Sizes	Cam Bearing Set / Thrustwasher Set / Piston Pin Bush	Size
Mitsubishi 4G63/4G63T/4G64 (1997 on with T/W)	4B1185H	Std.,.025,.25	5M1219H	Std.,.025,.25	1T1219	Std
	4B1185HX	Std	5M1219HX	Std		
Mitsubishi 4G91/4G92/4G93 1.5L/1.6L/1.8L Inline 4	4B8036H	Std.,.25	5M8037H	Std.,.25	1T8037	Std
Mitsubishi 4G94 2.0L Inline 4	4B8050H	Std.,.025,.25	5M8037H	Std.,.25	1T8037	Std
		Std				
Mitsubishi 4B11T (EVO X) Lancer Evolution	4B1236H	Std.,.025,.25	5M1237H	Std.,.025,.25	1T1237	Std
	4B1236HX	Std	5M1237HX	Std		
Nissan CA16DET, CA18ET, CA20ET 1.6L/1.8L/2.0L Inline 4	4B1630H	Std.,.025,.25,.50	5M1633H	Std.,.025,.25,.50		
	4B1630HX	Std	5M1633HX	Std		
Nissan RB20DET 2.0L Inline 6	6B2630H	Std.,.025,.25	7M2394H	Std.,.025,.25,.50	RB4074 (DOHC)	
	6B2630HX	Std	7M2394HX	Std	RB4107 (SOHC)	
Nissan RB25DETT 2.5L Inline 6	6B2960H	Std.,.025,.25,.50	7M2394H	Std.,.025,.25,.50	RB4074	
	6B2960HX	Std	7M2394HX	Std		
Nissan RB26DETT 2.6L Inline 6	6B2960H	Std.,.025,.25,.50	7M2428H	Std.,.025,.25,.50	RB4074	
	6B2960HX	Std	7M2428HX	Std		
Nissan RB30/RB30ET 3.0L Inline 6	6B2390H	Std.,.025,.25,.50	7M2394H	Std.,.025,.25,.50	RB4074	
	6B2390HX	Std	7M2394HX	Std		
Nissan SR20DE/DET (non GTiR) 2.0L Inline 4	4B2960H (17mm wide)	Std.,.025,.25,.50	5M2964H	Std.,.025,.25,.50	1T2964	Std
	4B2960HX	Std	5M2964HX	Std		
Nissan SR20DET (GTiR) 2.0L Inline 4	4B2976H (19mm wide)	Std.,.025,.25	5M2975H (5 oil holes in upper)	Std.,.025,.25	1T2964	Std
	4B2976HX	Std	5M2975HX	Std		
Nissan TB42/TB48 L6 4.2L/4.8L Inline 6	6B2955H	Std.,.025,.25				
	6B2955HX	Std				
Nissan VG20-ET 2.0L V6 Turbo			4M2737H	Std.,.025,.25		
			4M2737HX	Std		
Nissan VG30DE/VG30DETT VG30E, VG30T, VG33E 3.0L V6	6B2390H	Std.,.025,.25,.50	4M2737H	Std.,.025,.25,.50		
	6B2390HX	Std	4M2737HX	Std		
Nissan VQ35DE 3.5L V6	6B2640H	Std.,.025,.25	4M2633H	Std.,.025,.25	2T2633	Std
	6B2640HX	Std	4M2633HX	Std	6RB4128 (set of 6)	
Opel 1.6/1.8/2.0/2.4L Family II	4B2322H	Std.,.025,.25,.50				
	4B2322HX	Std				
Peugeot 1905cc (XU9S/XU92C), 1998cc (XU10J4/XU10J4RS) 406	4B7700H	Std.,.25				
Peugeot TU5J2/TU5J4/TU5JP 1587cc Inline 4	4B7712H	Std.,.30,.50	5M2797H	Std.,.30,.50	1T7709	Std, +.10
	4B7712HX	Std	5M2797HX	Std		
Porsche 911/914 (incl. Turbo) 1990cc/2193cc H6	6B2452H	Std.,.025,.25				
	6B2452HX	Std				
Renault F7P, F7R 16V 1763cc/1998cc Inline 4	4B7820H	Std.,.25,.50	5M7807H	Std.,.25,.50	1T7807	Std, +.10
	4B7820HX	Std	5M7807HX	Std		
Subaru EJ20/EJ22/EJ25 (incl. Turbo) 2.0L/2.2L/2.5L H4	4B8296H (suits 52 mm journal size)	Std.,.025,.25,.50	5M8297H (for thrust in #3 position)	Std.,.025,.25,.50		
	4B8296HX	Std	5M8297HX	Std		
Subaru EJ20/EJ22/EJ25 (incl. Turbo) 2.0L/2.2L/2.5L H4	4B8320H (suits 48 mm journal size)	Std.,.025,.25,.50	5M8309H (for thrust in #5 position)	Std.,.025,.25,.50		
	4B8320HX	Std	5M8309HX	Std		
Suzuki G13A/G13BA/G13K 1.3L Inline 4	4B8336H	Std.,.25,.50	5M8337H	Std.,.25,.50	1T8337	Std
	4B8336HX	Std	5M8337HX	Std		
Suzuki M16A Liana	4B8440H	Std.,.025,.25	5M8443H	Std.,.025,.25		
	4B8440HX	Std	5M8443HX	Std		
Toyota 4AGE, 4AGZE 1.6L Inline 4	4B1780H	Std.,.025,.25,.50	5M1695H	Std.,.025,.25,.50	2T1695	Std
	4B1780HX	Std	5M1695HX	Std		
Toyota 3SGTE 2.0L Inline 4	4B8366H	Std.,.025,.25,.50	5M8361H	Std.,.025,.25,.50	2T1689	Std
	4B8366HX	Std	5M8361HX	Std		
Toyota 2AZFE 2.4L Inline 4	4B8411H	Std.,.025,.25	5M8412H	Std.,.025,.25	1T8412	Std
	4B8411HX	Std	5M8412HX	Std		
Toyota/Lexus 2JZGE/2JZGTE 3.0L Inline 6	6B8100H	Std.,.025,.25	7M8103H	Std.,.025,.25	2T8103	Std
	6B8100HX	Std	7M8103HX	Std		
Toyota/Lexus 1UZFE 4.0L V8	8B8091H	Std.,.025,.25,.50	5M8092H	Std.,.025,.25,.50	2T8092	Std
	8B8091HX	Std	5M8092HX	Std		
Toyota/Lexus 2UZFE 4.7L V8	8B8091H	Std.,.025,.25,.50			2T8092	Std
	8B8091HX	Std				
Toyota 3UZFE Lexus GS430, LS430	8B8091H	Std.,.025,.25,.50				
	8B8091HX	Std				
Toyota 1FZFE 4.5L Inline 6	6B7990H	Std.,.025,.25	7M7989H	Std.,.025,.25		
	6B7990HX	Std	7M7989HX	Std		
VW/Audi 1781cc, 1984cc, 1998cc (incl Turbo) Inline 4	4B1606H	Std.,.025,.25,.50	5M1644H	Std.,.25,.50	2T1644	Std
	4B1606HX	Std	5M1644HX	Std		



RACE SERIES

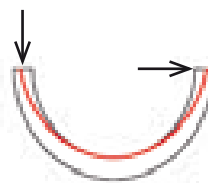
If you place demands on your engine you must demand the best!

High performance driving demands that you use the best parts. So rely on ACL's Race Series engine bearings to perform to exacting race standards you expect. They provide the dependability it takes to hold up under higher RPM conditions. The unique combination of design, metallurgy and engineering come together to deliver what drivers expect from high performance trimetal bearings. These Race Series bearings go the distance.

So, if you're looking for the best result, demand the best - demand ACL Race Series.

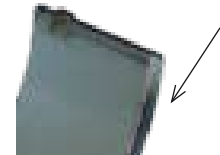
NO RISK
NO COMPROMISE
TOTAL PERFORMANCE

Features of ACL Race Series Bearings



- **Increased crush** for improved bearing retention
- **Increased eccentricity** to compensate for housing bore elongation at high rpm and to assist in the formation of the hydrodynamic oil film

- **No flash plating** on the back of the bearings to improve heat transfer through the bearings and to maximise the grip between the bearing and its housing
- **Improved material** for better load carrying capacity and fatigue resistance
- **Hardened steel backing** on conrod bearings to improve the support of the bearing lining, and assist with bearing retention in the housing
- **Consistent wall thickness** to help you maintain consistent clearances
- **Reduced overlay thickness** on conrod bearings to increase fatigue resistance
- **3/4 grooved mains** to optimise bearing load carrying surface area and oil flow to the conrod bearings
- **Enlarged ID chamfers** on bearing edges where required to accommodate large fillet radius on performance crankshafts

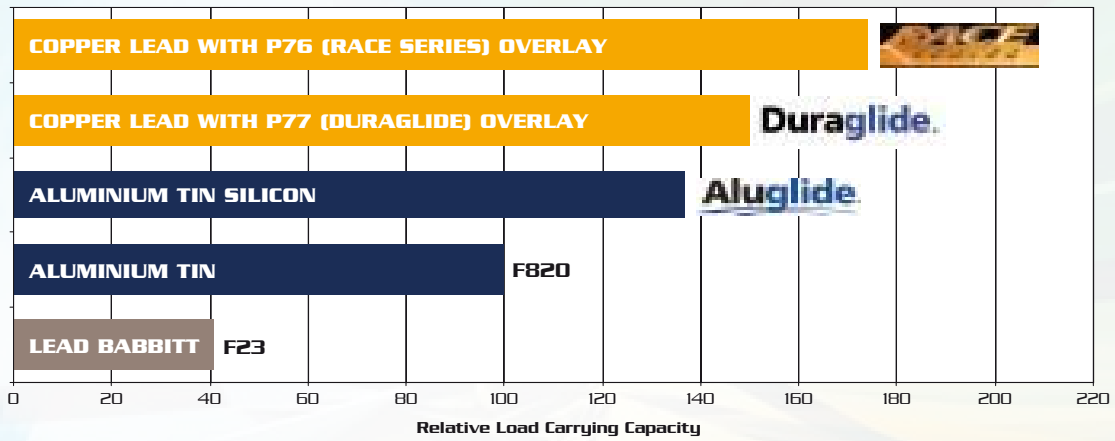


- LEAD-TIN-COPPER OVERLAY FOR IMPROVED FATIGUE PERFORMANCE
- NICKEL BARRIER
- HIGH FATIGUE STRENGTH COPPER-LEAD LINING
- STEEL BACKING



RACE SERIES

Comparison of ACL Materials



Engine Bearing Stockist



ACL Bearing Company

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