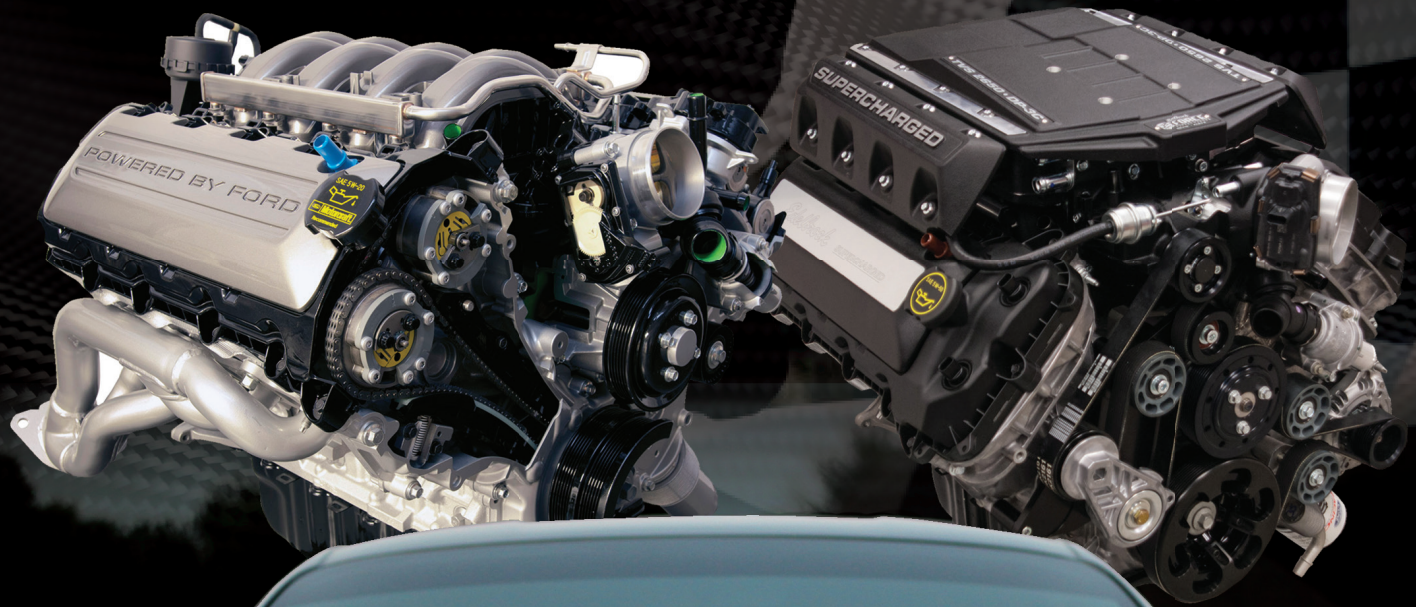




RACE SERIES

PERFORMANCE ENGINE BEARINGS



FORD APPLICATION GUIDE 2024

FORD – WE HAVE YOU COVERED!

YOUR #1 FORD SOLUTION

Ford is one of the oldest and most iconic automotive producers in the world. Throughout its history Ford has produced a diverse range of passenger and commercial vehicles. Ford also has a long history of involvement in many forms of racing, often with a great degree of success. The company has for a large part of its history catered to the car enthusiast by creating performance variants of many of its vehicles. Many of these variants have become classics which are treasured and sought after to this day.

ACL has a proud and rich history in Motorsport – it is in our DNA. There is no better proving ground than the racetrack whatever its configuration. In the heat of competition proven technology always comes through.

The ACL RACE Series performance engine bearings of today has a strong pedigree in motorsport and traces its roots back to the 1960's with the manufacture of engine bearings for use in the world conquering Brabham Formula 1.

Further experience in the Australian Supercars Championship & numerous other race codes has culminated in the current ACL RACE Series technology platform. The unique combination of design, metallurgy, engineering, precision manufacturing and quality control come together to deliver what engine builders expect from performance engine bearings.

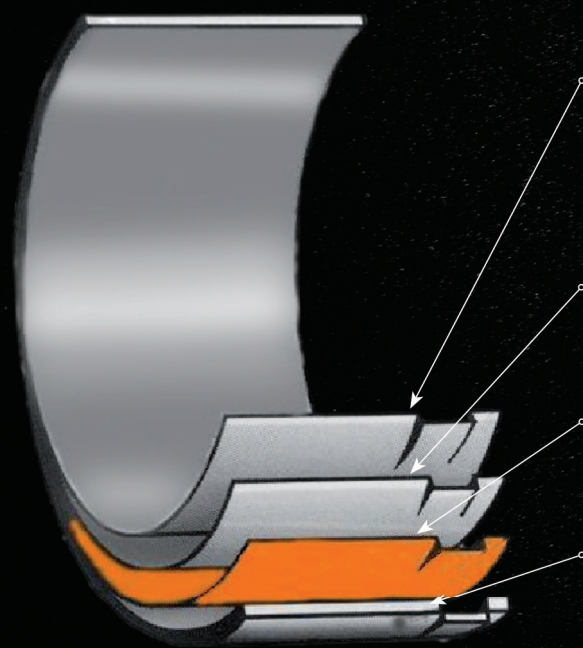
ACL has also had a long history (over 50 years) as an OEM supplier to the Australian vehicle manufacturing industry, including to the Ford Motor Company of Australia.

ACL offers a comprehensive range of ACL RACE Series Performance engine bearings for many Ford engines from the small 1.0L Ecoboost 3 cylinder to the 7.3L Godzilla V8. For your next Ford engine build, ACL offers a range of performance engine bearings to cover what you need. If you are looking for the best – demand the best.

BEARING MATERIAL ENHANCEMENTS

A blend of characteristics to provide high strength and excellent seizure resistance.

No flash plating is applied to further improve bearing retention and maximize heat transfer.



LAYER	Alloy
OVERLAY	Lead - Tin - Copper
Thickness (Typical) 0.013* - 0.018mm / 0.0005" - 0.0007"	
*Connecting Rod Bearings Only - Reduced for increased fatigue resistance	
Seizure Resistant - Low friction and deformable	
BARRIER	Nickel
Thickness (Typical) 0.001mm / 0.00004"	
Separation Layer	
LINING	Copper - Lead - Tin
Thickness (Typical) 0.3mm / 0.012"	
Fatigue Strength - Strong yet deformable	
STEEL	SAE1010 (High tensile)
Thickness Remainder	
High Strength - Supports bearing lining	

	Application	Rod Bearing Set	Sizes	Main Bearing Set	Sizes	Cam Set	Sizes
Ford	1.0L Ecoboost 3 Cyl. Turbo (Fiesta, Focus)	3B7328H 3B7328HX	Std.,.025,.25 Std	4M7330H 4M7330HX	Std.,.025,.25 Std		
Ford	1.6L Duratec 4 Cyl. (Fiesta, Focus)	4B7267H 4B7267HX	Std.,.025,.25 Std	5M7250A** 5M7253A**	Std.,.25,.50,.75,1.00 .25,.50,.75,1.00		
Ford	1.6L Ecoboost 4 Cyl. Turbo (Fiesta ST, Focus)	4B7267H 4B7267HX	Std.,.025,.25 Std	5M7250A** 5M7253A**	Std.,.25,.50,.75,1.00 .25,.50,.75,1.00		
Ford	2.0L, 2.3L Ecoboost 4 Cyl. Turbo (Mustang, Focus RS)	4B8171H (No notch) 4B8171HX 4B8172H (With notch) 4B8172HX	Std.,.025,.25 Std Std.,.025,.25 Std	5M8174H 5M8174HX	Std.,.025,.25 Std		
Ford	2.0L Duratec 4 Cyl. (Mazda LF)	4B4390H 4B4390HX	Std.,.025,.25 Std	5M8174H 5M8174HX	Std.,.025,.25 Std		
Ford	2.3L Duratec 4 Cyl. (Mazda L3)	4B8170H 4B8170HX	Std.,.025,.25 Std	5M8174H 5M8174HX	Std.,.025,.25 Std		
Ford	2.5L Duratec 4 Cyl. (Mazda L5-VE)	4B8171H 4B8171HX	Std.,.025,.25 Std	5M8174H 5M8174HX	Std.,.025,.25 Std		
Ford	3.5L Ecoboost V6 Twin Turbo	6B4380H * 6B4380HX	Std.,.025,.25 Std	4M4382A+3T includes thrust washer set	Std.,.25		
Ford	4.6L VIN 6,W,X Windsor SOHC 5.4L SOHC V8	8B1442H (For OE Cranks) 8B1442HX 8B1442HN (for aftermarket cranks) 8B1442HXN	Std.,.025,.25 Std Std.,.025,.25 Std	5M7296H 5M7296HX	Std.,.025,.25 Std		
Ford	4.6L SOHC 16V, SOHC 24V, DOHC 32V V8 Romeo, Triton, InTech, SC Vin 8,H,R,V,Y	8B1442H (For OE Cranks) 8B1442HX 8B1442HN (for aftermarket cranks) 8B1442HXN	Std.,.025,.25 Std Std.,.025,.25 Std	5M5647H 5M5647HX	Std.,.025,.25 Std		
Ford	"221ci 3.6L, 255ci 4.2L, 260ci 4.3L, 289ci 4.7L, 302ci 5.0L Windsor" V8 OHV	8B634H 8B634HX 8B634HD 8B634HDX	Std,001,009,010,011,020 Std Std,001,010 Std	5M590H 5M590HX	Std,001,009,010,011,020 Std	5C5616C	Std
Ford	5.0L 302 Coyote V8 Mustang (2010 on)	8B1442H (For OE Cranks) 8B1442HX 8B1442HN (for aftermarket cranks) 8B1442HXN	Std.,.025,.25 Std Std.,.025,.25 Std	5M5655H 5M5655HX	Std.,.025,.25 Std		
Ford	5.4L DOHC 24V (Supercharged) V8 Aluminum Block (2011 on)	8B1442H (For OE Cranks) 8B1442HX 8B1442HN (for aftermarket cranks) 8B1442HXN	Std.,.025,.25 Std Std.,.025,.25 Std	5M5645H 5M5645HX	Std.,.025,.25 Std		
Ford	5.8L 351ci Windsor V8 OHV	8B831A** 8B831AO/S2***	Std, 010, 020, 030 10, 20, 30	5M1432H 5M1432HX	Std,001,010 Std	5C5616C	Std
Ford	5.8L 351ci Cleveland V8 OHV	8B927H	Std,001,010,020	5M1010H 5M1010HX	Std,001,010,020 Std		
Ford	6.2L 379ci Boss V8 SOHC F-Series Trucks	8B7255A**	Std.,.25,.50	5M7257A**	Std.,.25,.50		
Ford	6.8L Triton V10 SOHC 20V & 30V	10B1442H (For OE Cranks) 10B1442HX 10B1442HN (for aftermarket cranks) 10B1442HXN	Std.,.025,.25 Std Std.,.025,.25 Std	6M7296H 6M7296HX	Std.,.025,.25 Std		
Ford	7.0L 429ci, 7.5L 460ci V8 OHV	8B818H	Std,001,010	5M1039H 5M1039HX	Std,001,010 Std		
Ford	7.3L Godzilla V8 OHV	8B4396H * 8B4396HX *	Std.,.025,.25 Std	5M4397H * 5M4397HX *	Std.,.025,.25 Std		

* In Development
 ** Available only as Aluglide
 *** O/S2 oversized O.D. .002" Aluglide only
 HX - 0.001" extra clearance on Standard journal.
 HD - Bearing has dowel hole location.

ACL offers a selection of the range on this page in our Calico Coated range – refer to our Calico Brochure CBAG21

Australian Engineering Excellence



NO RISK | NO COMPROMISE | TOTAL PERFORMANCE

YOUR ENGINE BEARINGS STOCKIST



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  ACL Race Series

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PERFORMANCE ENGINE BEARINGS