



Volume XVIII

PERFORMANCE COMPONENTS CATALOG

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PBM PERFORMANCE PRODUCTS LIMITED ONE YEAR WARRANTY

LIMITED WARRANTY

PBM Performance Products warrants that all of its products are free from defects in material and workmanship, and against excessive wear for a period of 12 months from date of purchase. Due to the nature of modifications made on performance engines that may affect performance, economy and engine life, PBM Performance Products' obligation under this warranty is limited to the repair or replacement, only of PBM Performance Products, when the consumer returns these PBM products. PBM Performance Products retains sole discretion in determining defective merchandise and assumes no responsibility for diagnosis, removal, and/or installation labor, inconvenience or any other damages or expenses including towing. There is absolutely no warranty, implied or otherwise, on PBM Performance Products used in competition (racing) engine applications. This **limited warranty** begins on the date of purchase and is good for a period of one (1) year from validated date of purchase. This **limited warranty** shall cover only the original purchaser.

PBM Performance Products's obligation under this warranty is limited to the repair or replacement of its product. To make a warranty claim, the part must be returned within one year of purchase to the address listed below, freight prepaid. Items covered under warranty will be returned to you freight collect.

PBM Performance Products Warranty Department

It is the responsibility of the installer to ensure that all of the components are correct before installation. Proper assembly always requires that the installer measure all tolerances for proper clearance. We assume no liability for any errors made in tolerances, component selection, or installation.

IMPORTANT NOTICE

This catalog has been completed using our best efforts. We assume no liability for errors contained herein. The catalog on our website is updated on a regular basis and should be used to supplement the information contained herein.

There is absolutely no warranty on the following:

- 1) Any parts used in racing applications
- 2) Any product that has been physically altered, improperly installed or maintained;
- 3) Any product used in improper applications, abused, or not used in conjunction with the proper parts.

There are no implied warranties of merchantability or fitness for a particular purpose. There are no warranties, which extend beyond the description of the face hereof. PBM Performance Products will not be responsible for incidental and consequential damages, property damage or personal injury damages to the extent permitted by law. Where required by law, implied warranties of merchantability and fitness are limited for a term of one (1) year from the date of original purchase.

This limited warranty gives you specific legal rights and you may also have other legal rights, which vary from state to state.

PBM Performance Products reserves the right to make necessary changes in the products it manufactures and markets at any time to improve product performance. These changes in products will be made without obligation to change or improve products that were previously manufactured.

WARNING: Some parts in this catalog have been designed and are intended for OFF-HIGHWAY application only. Installation on a vehicle intended for use on public roads may violate U.S., Canadian, State or Provincial laws and regulations including those relating to emission requirements and motor vehicle safety standards.

Prices on all products are subject to change without notice. We reserve the right to make changes in products at any time.

Except as noted, products in this catalog may not be legal for sale or use in pollution-controlled motor vehicles (pre-1966 domestic vehicles certified to California standards, pre-domestic vehicles certified to federal standards).

This catalog, the information contained herein, and our part numbers used are copywritten by PBM Performance Products 2017.

V2-3/18



PBM Performance Products is well known among professional engine builders and machine shops as a supplier of premium quality hardcore performance engine components and related products. We carry a wide array of brands from leading manufacturers in addition to our own extensive line of PBM brand components. We also specialize in pre-packaged engine kits with performance matched and dyno tested combinations, as well as custom engine kits.

At PBM we listen to our customers, and we are constantly updating and improving our product lines to provide our customers with the latest technology and popular current engine combinations. We offer only high quality components, our products are suited to various performance levels including street, drag racing, oval track and professional venues. As you will see browsing our website and in our catalog, we have your needs covered with an outstanding line of performance products.

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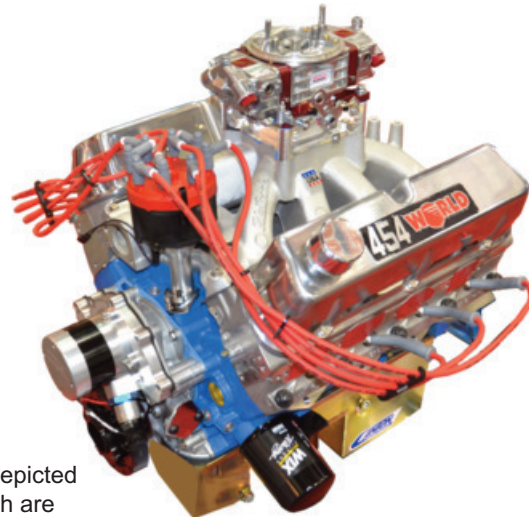
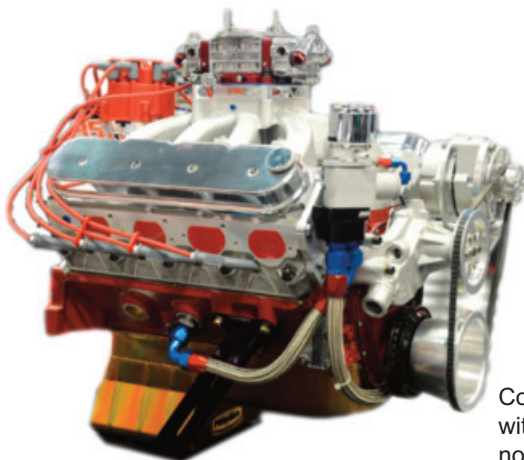
Engine kits from PBM Performance Products deliver a total performance package. All components are carefully selected for maximum performance and compatibility to ensure great results. PBM's one-stop performance shopping saves valuable time in sourcing and ordering, saves time lost waiting for deliveries from multiple vendors, and saves you money by bundling all the components in a single order so you can spend more of your valuable time building engines!

PBM Kits contain top quality components from industry leading brands



PBM Performance Engine Kits

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Completed engines depicted with some items which are not included in kits.

Small Block Ford 363 CI Street/Strip Performance Engine Package



Representative Photo - Actual Components May Vary

This new 363 cubic inch street performance engine kit is based on World Products new Man O'War Ford Windsor style small block, which offers significant improvements in strength and performance. Loaded with premium components, this package is pre-engineered to simplify building and is capable of producing serious power coupled with strong reliability.

Kit# KITSBF363SEK SBF 363 Street Performance Engine Package

Short Block Components

Part Number	Description
WPI087020	World 8.200" - 4.125" SBF Block
PBM85072	3.400" Stroke 4340 Forged Crank
PBMCR5400	5.400" H-Beam Rods
SRP231569	12.5 cc Dish Pistons
PBMPS14120DS	1/16, 1/16, 3/16 File Fit Rings
KIMMB529HP	Performance Main Bearings
KINCR804HPN	Performance Rod Bearings
DUR 351HPT	Dura Bond Coated Cam Bearings
FEL2922RS	Rear Main Seal
PBMBKSBF	PBM Assembly Kit
ERSE212860	Erson Hydraulic Roller Cam
PBM7982	True Roller Timing Set
PIOFP351	Cam Sprocket Bolt & Washer
PBM782TPK	Cam Retainer Plate
EQSTC351A	Timing Cover
ARP554-9801	Accessory Bolt Kit
PBMPB1060ST	External Balance 28 OZ Balancer
PBM650	Billet Timing Pointer
SSPTW6592	Fuel Pump Block Off
MELM68HV	Melling High Volume Oil Pump
ARP150-6902	ARP Oil Pump Bolt Kit
MELIS68	Oil Pump Drive Shaft
CAN15-641	Oil Pump Pick Up
CAN20-850	Dipstick & Tube
CAN13-600	Oil Pan Rear Sump
FEL1809	Oil Pan Gasket
FELTCS45450	Timing Cover Gasket & Seal
ARP150-2501	Balancer Bolt
PBMRL966	Hydraulic Roller Lifters
SSPFA302	Oil Filter Adapter

Top End Components

Part Number	Description
BMP023005	BMP Cylinder Heads 18° 200cc
PBM1105	Intake Valves 2.020" +.100" long
PBM1004	Exhaust Valves 1.600" +.100" long
PBM3450	1.460" Hydraulic Roller Springs
PBM502	7° Retainers
PBM205	7° Valve Locks
PBM5301132	Valve Seals
PBM2679	I.D. Locators
ARP100-7101	Rocker Stud Kit
PBM603	Pushrod Guideplates
PBM807-16	1.6 7/16 Severe Duty Roller Rockers
PBM1992-8	5/16 .080 Wall 6.600 Push Rods
CMEC5485-040	Cometic Head Gaskets
ARP154-3603	Head Bolts
PBM77474	Valve Cover Gaskets
PBM734C	Chrome Valve Covers
EDE2921	Aluminum Intake Manifold 4150
FEL1262	Intake Gaskets
MSD8582	Pro Billet Distributor
MSD8583	Bronze Distributor Gear
MSD31199	Plug Wire Set
MOR26211	Distributor Clamp
JGP00107	15w40 Driven Break In Oil
JGP51515R	Wix Racing Oil Filter



PERFORMANCE ENGINE KITS

Small Block Ford 363 CI Drag Race Performance Engine Package

This new 363 cubic inch drag race engine kit is based on World Products new Man O'War Ford Windsor style small block, which offers significant improvements in strength and performance. Loaded with premium components, this package is pre-engineered to simplify building and is capable of producing serious power coupled with strong reliability.



Representative Photo - Actual Components May Vary

Kit# KITSBF363DEK SBF 363 Drag Race Engine Package

Short Block Components

Part Number	Description
WP1087020	World 8.200" - 4.125" SBF Block
PBM85072	3.400" Stroke 4340 Forged Crank
PBMPHM219	Heavy Metal 1" dia x 1" (4)
PBMCR5400	5.400" H-Beam Rods
JEP232475	6.5 cc Dome Pistons
PBMPS14120DS	1/16, 1/16, 3/16 File Fit Rings
KIMMB529HP	Performance Main Bearings
KINCR804HPN	Performance Rod Bearings
DUR351HPT	Dura Bond Coated Cam Bearings
FEL2922RS	Rear Main Seal
PBMBKSBF	PBM Assembly Kit
ERSE212999	Erson Custom Roller Cam
PBM8982TA	Billet Adjustable Timing Set
PBM1750	Cam Sprocket Bolt & Washer
PBM782TPK	Cam Retainer Plate
EQSTC351A	Timing Cover
ARP554-9801	Accessory Bolt Kit
PBMPB1086SS	Internal Balance Balancer
PBM650	Billet Timing Pointer
SSPTW6592	Fuel Pump Block Off
MELM68HV	Melling High Volume Oil Pump
ARP150-6902	ARP Oil Pump Bolt Kit
MELIS68	Oil Pump Drive Shaft
CAN15-641	Oil Pump Pick Up
CAN20-850	Dipstick & Tube
CAN13-600	Oil Pan Rear Sump
FEL1809	Oil Pan Gasket
FELTCS45450	Timing Cover Gasket & Seal
ARP150-2501	Balancer Bolt
PBMRL992	Ultra Series Roller Lifters
SSPFA302	Oil Filter Adapter

Top End Components

Part Number	Description
BMP023010C	BMP CNC Heads 18° 245cc 68cc
PBM1110	Intake Valves 2.080" +.100" long
PBM1005	Exhaust Valves 1.600" +.100" long
ERSE915043	Erson 1.580 FSP Dual Springs
PBM517	Titanium 10° Retainers
PBM203+50	10° Valve Locks
PBM5301132	Valve Seals
PBM2682	I.D. Locators
ARP100-7101	Rocker Stud Kit
PBM603	Pushrod Guideplates
PBM807-16	1.6 7/16 Severe Duty Roller Rockers
PBM1930-8	5/16 .080 Wall 7.100 Push Rods
CMEC5485-040	Cometic Head Gaskets
ARP154-3603	Head Bolts
PBM77474	Valve Cover Gaskets
PBM7012	Billet Rail Fabricated Valve Covers
EDE2928	Aluminum Intake Manifold 4150
FEL1262R	Intake Gaskets
MSD8582	Pro Billet Distributor
MSD8583	Bronze Distributor Gear
MSD31199	Plug Wire Set
MOR26211	Distributor Clamp
JGP00107	15w40 Driven Break In Oil
JGP51515R	Wix Racing Oil Filter



Representative Photo - Actual Components May Vary

Small Block Ford 454 CI Street/Strip Performance Engine Package

This new 454 cubic inch street performance engine kit is based on World Products new Man O'War Ford Windsor style small block, which offers significant improvements in strength and performance. Loaded with premium components, this package is pre-engineered to simplify building and is capable of producing serious power coupled with strong reliability.

Kit# KITSBF454SEK SBF 454 Street Performance Engine Package

Short Block Components

Part Number	Description
WPI087082	World 9.500" - 4.125" SBF Block
PBM85075	4.250" Stroke Std. Wt. Forged Crank
PBMPHM219	1" x 1" Heavy Metal (5)
PBMCR6200	6.200" H-Beam Rods
WISK0113X125	Pistons - 22cc Dish
Inc w/pistons	1/16, 1/16, 3/16 File Fit Rings
MICMS1010HX	Clevite H Series Main Bearings
MICCB663HN	Clevite H Series Rod Bearings
DUR351HPT	Dura Bond Coated Cam Bearings
FEL2942RS	Rear Main Seal
PBMBKSBF	PBM Assembly Kit
ERSE212865	Erson Hydraulic Roller Cam
PBM7982	True Roller Timing Set
PIOPF351	Fuel Pump Eccentric
PBM782TPK	Cam Retainer Plate
EQSTC351A	Timing Cover
ARP554-9803	Accessory Bolt Kit
PBMPB1086SS	SFI Balancer -Int Balance
PBM650	Billet Timing Pointer
SSPTW6592	Fuel Pump Block Off
MELM83HV	Melling High Volume Oil Pump
ARP150-6902	ARP Oil Pump Bolt Kit
MELIS83	Oil Pump Drive Shaft
CAN15-671	Oil Pump Pick Up
CAN20-850	Dipstick & Tube
CAN13-672SV	Oil Pan Rear Sump
CAN88-650	Oil Pan Gasket
FELTCS45450	Timing Cover Gasket & Seal
ARP150-2501	Balancer Bolt
PBMRL966	Hydraulic Roller Lifters
SSPFA302	Oil Filter Adapter

Top End Components

Part Number	Description
BMP023010C	BMP Cylinder Heads 18° 245cc 68cc
PBM1110	Intake Valves 2.080" +.100" long
PBM1004	Exhaust Valves 1.600" +.100" long
PBM3450	1.460" Hydraulic Roller Springs
PBM502	7° Retainers
PBM205	7° Valve Locks
PBM5301132	Valve Seals
PBM2679	I.D. Locators
ARP100-7101	Rocker Stud Kit
PBM603	Pushrod Guideplates
PBM807-16	1.6 7/16 Severe Duty Roller Rockers
PBM1903-8	5/16 .080 Wall 7.900 Push Rods
CMEC5485-040	Cometic Head Gaskets
ARP154-3603	Head Bolts
PBM77474	Valve Cover Gaskets
WPI07095-454W	Aluminum Valve Covers
BMP063415	Aluminum Intake Manifold 4150
FEL1262R	Intake Gaskets
MSD8584	Pro Billet Distributor
MSD8585	Bronze Distributor Gear
MSD31199	Plug Wire Set
MOR26211	Distributor Clamp
JGP00107	15w40 Driven Break In Oil
JGP51515R	Wix Racing Oil Filter



PERFORMANCE ENGINE KITS

Small Block Ford 454 CI Drag Race Performance Engine Package

This new 454 cubic inch drag race engine kit is based on World Products new Man O'War Ford Windsor style small block, which offers significant improvements in strength and performance. Loaded with premium components, this package is pre-engineered to simplify building and is capable of producing serious power coupled with strong reliability.



Representative Photo - Actual Components May Vary

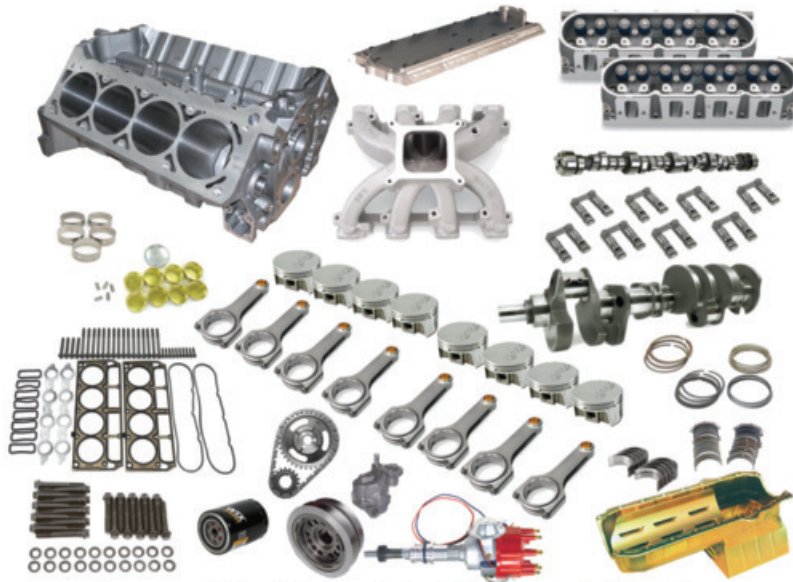
Kit# KITSBF454DEK SBF 454 Drag Race Engine Package

Short Block Components

Part Number	Description
WPI087082	World 9.500" - 4.125" SBF Block
PBM85075	4.250" Stroke Std. Wt. Forged Crank
PBMPHM219	1" x 1" Heavy Metal (5)
PBMCR6200A	6.200" H-Beam Rods w/ARP 2000
JEP232477	JE Pistons - 6.5cc Dome
PBMPS24125FS	1/16, 1/16, 3/16 File Fit Rings
MICMS1010HX	Clevite H Series Main Bearings
MICCB663HN	Clevite H Series Rod Bearings
DUR351HPT	Dura Bond Coated Cam Bearings
FEL2942RS	Rear Main Seal
PBMBKSBF	PBM Assembly Kit
ERSE212999	Erson Custom Grind Solid Roller Cam
PBM8982TA	Billet Adjustable timing Set
PBM1750	Cam Sprocket Bolt & Washer
PBM782TPK	Cam Retainer Plate
EQSTC351A	Timing Cover
ARP554-9803	Accessory Bolt Kit
PBMPB1086SS	SFI Balancer -Int Balance
PBM650	Billet Timing Pointer
SSPTW6592	Fuel Pump Block Off
MELM83HV	Melling High Volume Oil Pump
ARP150-6902	ARP Oil Pump Bolt Kit
MELIS83	Oil Pump Drive Shaft
CAN15-671	Oil Pump Pick Up
CAN20-850	Dipstick & Tube
CAN13-672SV	Oil Pan Rear Sump
CAN88-650	Oil Pan Gasket
FELTCS45450	Timing Cover Gasket & Seal
ARP150-2501	Balancer Bolt
ERSRL960	Erson Solid Roller Lifters
SSPFA302	Oil Filter Adapter

Top End Components

Part Number	Description
BMP023010C	BMP Cylinder Heads 18° 245cc 68cc
PBM1110	Intake Valves 2.080" +.100" long
PBM1004	Exhaust Valves 1.600" +.100" long
ERSE915043	Erson FSP 1.580" Dual Springs
PBM517	Titanium 10° Retainers
PBM203+50	10° Valve Locks
PBM5301132	Valve Seals
PBM2682	I.D. Locators
ARP100-7101	Rocker Stud Kit
PBM603	Pushrod Guideplates
PBM807-16	1.6 7/16 Severe Duty Roller Rockers
ERSE28450-8	5/16 .120 Wall 8.450 Push Rods
CMEC5485-040	Cometic Head Gaskets
ARP154-4003	Head Studs
PBM77474	Valve Cover Gaskets
WPI07095-454W	Aluminum Valve Covers
BMP063416	Aluminum Intake Manifold 4500
FEL1262R	Intake Gaskets
MSD8584	Pro Billet Distributor
MSD8585	Bronze Distributor Gear
MSD31199	Plug Wire Set
MOR26211	Distributor Clamp
JGP00107	15w40 Driven Break In Oil
JGP51515R	Wix Racing Oil Filter



Representative Photo - Actual Components May Vary

LS/SBC Hybrid 427 CI Street/Strip Performance Engine Package

This new 427 cubic inch engine kit is based on World Products innovative Motown LS **LS/SBC Hybrid** block. Adapting the high flowing Gen III-LS cylinder heads and intake to a conventional Gen I small block produces great power and is affordable and easy to build, and it fits easily into any classic chassis where a standard small block fits! No special motor mounts, cross members, oil pans, etc. are required.

Kit# KITLS427SEK LS/SBC 427 Street Performance Engine Package

Short Block Components

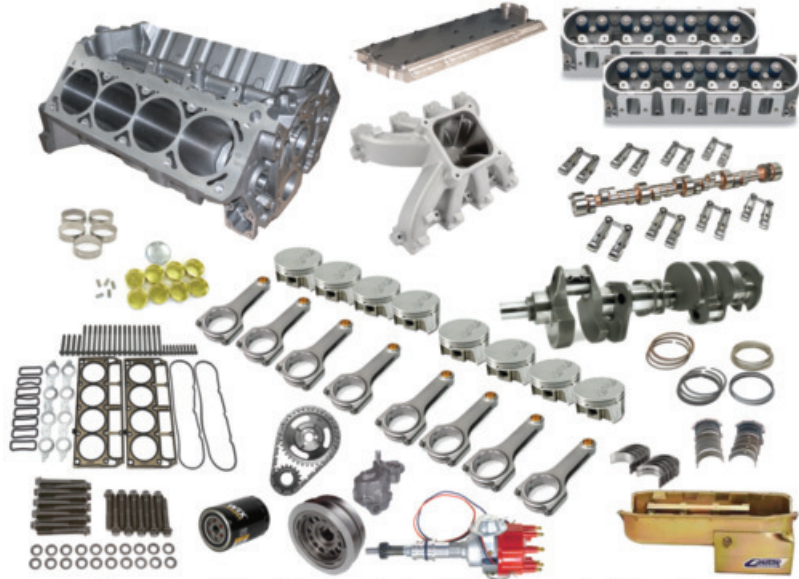
Part Number	Description
WPI084081	4.125 Bore Motown LS Nodular Cap Block
PBM85028	4.000 Stroke 4340 Forged Crankshaft
PBMCR6126A	4340 H-Beam 6.125 Stroker Rods
WISK395X125	Flat Top Forged Pistons w/Rings
KINMB557XP	King XP Main Bearings
KINCR807XPN	King XP Rod Bearings
DURGMP55	Cam Bearings
FELP2909	Rear Main Seal
PBMBKRC	Assembly Kit
ERSE115996	Custom Erson Hydraulic Roller Camshaft
PBM8981TRC	Billet Timing Set
PBM007-3	Cam Lock Plate
PBM325	Roller Cam Button
PBM490	Timing Cover
ARP534-9801	Accessory Bolt Kit
PBMPB1012ST	SFI Balancer Int. Bal.
PBM641	Billet Timing Pointer
PBM921	Aluminum Fuel Pump Block Off
MEL55HV	Oil Pump
ARP230-7001	Oil Pump Stud
ARP134-7901	Oil Pump Drive Shaft
MIL18314	Oil Pump Pickup Tube
SSPTW6538CP	Stock SBC Dipstick
MIL30908	7" Deep Oil Pan
FEL1821	Oil Pan Gasket
FELPT5124	Timing Cover Gasket
SSP74241	Front Seal
ARP134-2501	Balancer Bolt
PBM12558081	Head to Block Dowels
PBMRL973	Tie-Bar Hydraulic Roller Lifters
EQSOFA305	Oil Filter Adapter

Top End Components

Part Number	Description
PBM88958758	L/S3 276cc Aluminum CNC Heads
Included w/heads	2.160 Int. Valves 8mm stem
Included w/heads	1.580 Ex. Valves 8mm stem
ERSE915045	Dual Valve Springs
PBM518	Spring Retainers
PBM207-30	Valve Locks
ELY322-1008	Positive Valve Seals
PBM2677	Spring locators
PBM12560961	Rocker Bolts
PBM12600936	Stock L/S3 Rocker Stands
PBM10214664	Stock L/S3 Rocker Arms
PBM12569167	Stock L/S3 Rocker Arms
PBM1903-8	5/16 .080 Wall Pushrods
FEL1162L-041	Left Head Gasket
FEL1162R-041	Right Head Gasket
WPI705017	Head Studs
PBM369	Valve Covers w/Gaskets
EDE2826	Edelbrock Victor JR L/S3 intake
FEL1222-3	Intake Gaskets
ARP130-2001	Intake Bolts
MSD8365	HEI Distributor
PBM302	Bronze Distributor Gear
MSD31199	Universal Plug Wire Kit
PBM916	Distributor Clamp
WPI703848-K	Cylinder Head Adapters
JGP01806	5W/30 Break In Oil
JGP51061R	Wix Oil Filter
WPI703844	Valley Adapter Tray
WPI703850-K	Water Return Kit

LS/SBC Hybrid 427 CI Drag Race Performance Engine Package

This Drag Race version of the 427 cubic inch Motown LS engine kit features higher compression and a solid roller camshaft. Adapting the high flowing Gen III-LS cylinder heads and intake to a conventional Gen I small block produces great power and is affordable and easy to build, and it fits easily into any classic chassis where a standard small block fits! No special motor mounts, cross members, oil pans, etc. are required.



Representative Photo - Actual Components May Vary

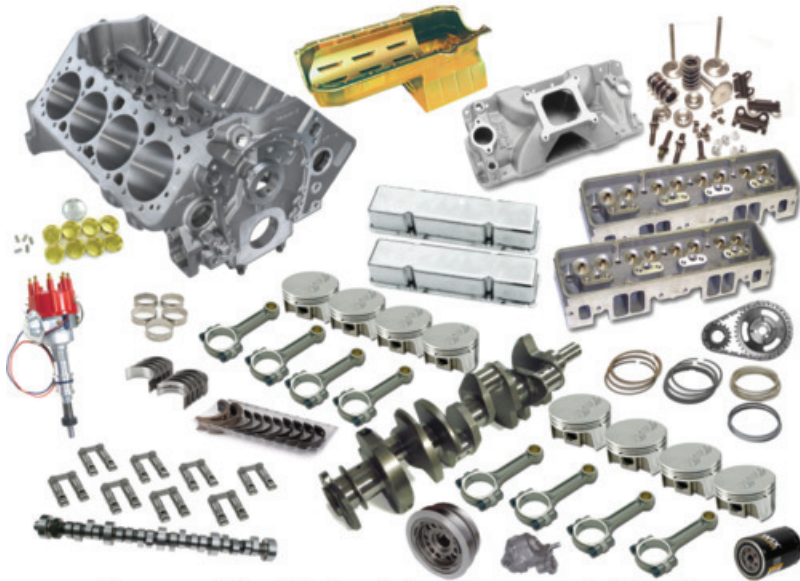
Kit# KITLS427DEK LS/SBC 427 Drag Race Engine Package

Short Block Components

Part Number	Description
WPI084181-904	4.125 Bore Motown LS Billet Cap Block
PBM85028	4.000 Stroke 4340 Forged Crankshaft
PBMCR6130A	4340 H-Beam Stroker Rods ARP2000 bolts
JEP312113	1.2cc Dome Forged Pistons w/Rings
JEPJG31F8-4125-2	Ring Set
KINMB557XP	King XP Main Bearings
KINCR807XPN	King XP Rod Bearings
DURGMP55T	Dura Bond Coated Cam Bearings
FELP2909	Rear Main Seal
PBMBKRC	Assembly Kit
ERSE115999	Custom Erson Solid Roller Camshaft
PBM8981TRC	Billet Timing Set
PBM007-3	Cam Lock Plate
PBM325	Roller Cam Button
PBM490	Timing Cover
ARP534-9801	Accessory Bolt Kit
PBMPB1012SS	SFI Balancer Int. Bal.
PBM641	Billet Timing Pointer
PBM921	Aluminum Fuel Pump Block Off
MEL10555	Select High Volume Oil Pump
ARP230-7001	Oil Pump Stud
ARP134-7901	Oil Pump Drive Shaft
CAN20-081	Bolt On Pickup Tube
SSPTW6538CP	Stock SBC Dipstick
CAN13-082	Canton Drag Race Stroker Oil Pan
FEL1821	Oil Pan Gasket
FELPT5124	Timing Cover Gasket
SSP74241	Front Seal
ARP134-2501	Balancer Bolt
PBM12558081	Head to Block Dowels
PBMRL976	Tie-Bar .904 Roller Lifters
EQSOFA305	Oil Filter Adapter

Top End Components

Part Number	Description
PBM88958758	L/S3 276cc Aluminum CNC Heads
PBM1009	1.600 x 4.915 Ex. Valves 8mm Stem
PBM1120	2.160 x 4.920 Int. Valves 8mm Stem
ERSE915041	1.275 Solid Roller Dual Valve Spring
PBM515	Titanium Retainers
PBMVL7004	Valve Locks
ELY322-1008	Positive Valve Seals
PBM2687	Spring locators
TDM20044	T&D Shaft Rockers
ERSE28400-8	5/16 .120 Wall Pushrods
CMEC5319-040	Cometic MLX Head Gaskets
WPI705017	Head Studs
PBM369	Valve Covers w/Gaskets
EDE2821	Super Victor L/S3 4500 Intake
FEL1222-3	Intake Gaskets
ARP130-2001	Intake Bolts
MSD85561	Adjustable Collar Distributor
PBM302	Bronze Distributor Gear
MSD31199	Universal Plug Wire Kit
PBM916	Distributor Clamp
JGP00107	15W/50 Break In Oil
JGP51061R	Wix Oil Filter
WPI703850-K	Water Return Kit
WPI703844	Valley Adapter Tray



Representative Photo - Actual Components May Vary

Small Block Chevy 400 CI Street/Strip Performance Engine Package

This kit includes everything to build a 400 CID performance street or bracket race engine. Featuring a World Sportsman iron small block, Aluminum 210cc cylinder heads and many other quality PBM products. This engine is perfect for a performance street car or weekend bracket racer. The kit is complete, intake to oil pan all at an affordable price.

Kit# KITSBC400SEK SBC 400 Street Performance Engine Package

Short Block Components

Part Number	Description
WPI084030	World Motown II Block 4.125 Bore 400 Mains
PBM85042	PBM 4340 Forged Crankshaft 3.750 Stroke
PBMCR6003	4340 I-Beam 6.000 Length Rods
PBMPF4125125	PBM Power Pistons - Flat Top
PBMPS34125FS	PBM 1.5 1.5 3mm Ring Set
KINMB509HP	King Main Bearings
KINCR807HPN	King Rod Bearings
DURDT1T	Durabond Coated Cam Bearings
FELP2909	Fel Pro Rear Seal
PBMBKSP	Assembly Kit
ERSE119862	Erson Hydraulic Roller Cam
PBM7981T	PBM Timing Set
PBM007-3	Cam Lock Plate
PBM325	Roller Cam Button
PBM490	PBM timing cover
ARP534-9801	Accessory Bolt Kit
PBM641	Billet Timing Pointer
PBM921	Aluminum Fuel Pump Block Off
MELM55HV	High Volume Oil Pump
ARP230-7001	Oil Pump Stud
MELIS55E	Oil Pump Drive
MIL30908	Low Clearance Oil Pan
SSPTW6538CP	Stock SBC Dipstick
MIL18314	Oil Pickup Tube
FELP1821	Stroker Pan Gasket
FELPT5124	Front Cover Gasket
SSP74241	Front Seal
ARP134-2501	Balancer Bolt
PBMRL930	Erson Hydraulic Roller Lifters
EQSOFA305	Oil Filter Adapter

Top End Components

Part Number	Description
PBM176-2172P-13	210cc St. Plug Aluminum Heads
PBM1110	2.080 + .100 Intake Valves
PBM1004	1.600 + .100 Exhaust Valves
PBM3400	1.440 Dual Hydraulic Roller Springs
PBM502	Erson Valve Spring Retainers
PBM205	Erson 7 deg 11/32 Stamped Locks
PBM5301132	PBM Positive Valve Seals
PBM2654	I.D. Spring Locators
ARP134-7103	7/16 Rocker Stud Set
PBM801-16	Erson 1.5 Extreme Duty Rockers
PBM601	Erson 5/16 Flat Guide Plates
PBM1993-8	5/16 .080 Wall Pushrods
FEL1014	4.200 Bore Fel Pro Gasket
ARP134-3601	Head Bolts
FELP1604	Valve Cover Gaskets
PBM729A	Cast Aluminum Valve Covers
EDE2975	Victor Jr Intake
FELP1205	Intake Gaskets
MSD8365	MSD HEI Distributor
PBM302	Bronze Distributor Gear
MSD31199	Universal Plug Wire Kit
PBM916	Distributor Clamp
JGP01806	5W/-30 Break In Oil
JGP51061R	Wix Oil Filter

Small Block Chevy 427 CI Drag Race Performance Engine Package

This kit includes everything to build a 427 CID drag race engine. This package includes a World Raised Cam iron block and CNC ported 23 degree aluminum heads as well as many other high quality PBM products. With an approximately 14:1 compression ratio, this package really packs a punch. We can also adapt this kit to smaller displacements for those classes that have a cubic inch rule. No matter the size of the engine, PBM has all the parts you will need to make it work at an affordable price.



Representative Photo - Actual Components May Vary

Kit# KITSBC427DEK SBC 427 Drag Race Engine Package

Short Block Components

Part Number	Description
WPI084130RC	World Motown II Raised Cam Block Billet Caps
PBM85046	PBM 4340 4.000 Stroke 400 Main Crankshaft
PBMCR6009A	4340 6.000" H-Beam Rods w/ARP 2000
JEP182024	JE 6.2cc Dome Pistons
PBMPS24125FS	1/16, 1/16, 3/16 File Fit Rings
KINMB509XP	King Main Bearings
KINCR807XPN	King Rod Bearings
DURGMP2T	Dura Bond Coated Cam Bearings
FELP2909	Rear Main Seal
PBMBKRC	Assembly Kit
ERSE110999-50	Erson Solid Roller Cam
PBM8981TARC	Billet Adjustable Timing Set
PBM007-3	Cam Lock Plate
PBM325	Roller Cam Button
PBM490	Timing Cover
ARP534-9801	Accessory Bolt Kit
PBMPB1012SS	Internal Balance SFI Balancer
PBM641	Billet Timing Pointer
PBM921	Aluminum Fuel Pump Block Off
MEL10555	Hi-Volume Oil Pump Bolt On Pickup
ARP230-7001	Oil Pump Stud
ARP134-7901	Oil Pump Drive
CAN13-082	Canton Drag Race Stroker Pan
SSPTW6538CP	Dipstick Tube
CAN20-081	Bolt On Pickup Tube
FEL1821	Stroker Pan Gasket
FELPT5124	Front Cover Gasket
SSP74241	Front Seal
ARP134-2501	Balancer Bolt
PBMRL981	Erson Ultra Series Lifters
EQSOFA305	Oil Filter Adapter

Top End Components

Part Number	Description
PBM176-X-23-03	235cc CNC Ported 23 Deg. Heads
PBM1119	2.125 + .250 Intake Valves
PBM1127	1.600 + .250 Exhaust Valves
ERSE915043	1.580 Dual Springs 235@1.950
PBM517	10 Degree Titanium Retainers
PBM203	10 Degree Valve Locks
PBM5301132	Positive Valve Seals
PBM2660	I.D.Spring Locators
PBM803-16	1.6 Ratio Extreme Duty Rockers
PBM601	Guide Plates
ARP200-7202	Pro Series 7/16 Rocker Studs
ERSE28050-8	5/16 .120 Wall Pushrods
CMEC5249-040	4.200 Bore Cometic MLS Gaskets
ARP234-4301	Head Studs
PBM77308	Valve Cover Gaskets
PBM7003	Fabricated Billet Rail Valve Covers
BMP061050	4500 Flange Intake Manifold
FEL1207	Intake Gaskets
MSD85561	Distributor Adjustable Collar
PBM302	Bronze Distributor Gear
MSD31199	Universal Plug Wire Kit
PBM916	Distributor Clamp
JGP00107	15W/-50 Break In Oil
JGP51061R	Wix Oil Filter



Representative Photo - Actual Components May Vary

Big Block Chevy 540 CI Street/Strip Performance Engine Package

This kit includes everything to build a 540 CID performance street performance engine. Featuring a World Sportsman iron big block, PBM Profiler 320cc cylinder heads and Profiler intake as well as many other quality PBM products. This engine is perfect for a performance street car or weekend bracket racer. The kit is complete, intake to oil pan all at an affordable price.

Kit# KITBBC540SEK BBC 540 Street Performance Engine Package

Short Block Components

Part Number	Description
WPI091101	World 9.800" - 4.500" Bore Nodular Cap Block
PBM85062	4.250 Stroke 4340 Forged Crankshaft
PBMCR6385	4340 H-Beam 6.385 Length Rods
SRP212161	SRP Forged 10cc Dome Pistons
PBM PS14500DS	1/16 1/16 3/16 Std. Tension Rings
KINMB556HP	King Racing Main Bearings
KINCR808HPN	King Racing Rod Bearings
DURGMP12	Durabond Cam Bearings
FELP2918	Rear Main Seal
PBMBKBBCIV	PBM Assembly Kit
ERSE120339	Erson Hydraulic Roller Camshaft
PBM7991T	Timing Set
PBM007-3	Cam Lock Plate
PBM325	Roller Cam Button
PBM639	Timing Cover w/ Gasket & Front Seal
PBMPB1211ST	SFI Harmonic Balancer Int. Balance
PBM646	PBM Billet Timing Pointer
PBM922	Fuel Pump Block Off
MEL M77HV	Melling High Volume Oil Pump
ARP230-7001	ARP Oil Pump Stud Kit
MELIS77	Oil Pump Drive
MIL30950	Milodon Wet Sump Oil Pan
MIL22010	Billet Dipstick Tube
MIL18301	Milodon Oil Pump Pickup Tube
PBMRL931	Retro-Hydraulic Roller Lifters
FEL1893	Stroker Pan Gasket
ARP135-2501	Balancer Bolt
EQSOFA305	Oil Filter Adapter
ARP535-9801	Accessory Bolt Kit

Top End Components

Part Number	Description
PBM174-32-03	Pro-Filer 320cc Sniper heads
PBM1216	2.300 +250 Intake Valves
PBM1201	1.880 Std Length Exhaust Valves
PBM3450	1.460 Dual Springs 145@1.850
PBM502	Erson 7 Deg. Retainers
PBM205-30	Erson 7 Deg. Valve Locks
PBM5301132	PBM Positive Valve Seals
PBM2679	I.D. Spring Locators
PBM805-16	Erson Extreme Rockers
PBM602	Erson Guide Plates
ARP100-7101	7/16 Rocker Studs
PBM1948-8	3/8 7.650 .080 Wall Pushrods
PBM1969-8	3/8 8.750 .080 Wall Pushrods
FELP1057	4.630 Composite Head Gaskets
ARP135-3607	Head Bolts
PBM77640	High Temp Silicone Valve Cover Gaskets
PBM727A	Valve Covers
PBM936	Push In Breathers
PBM206-JR-9	4500 Flange Intake Manifold
CMEIR250060KF	Intake Manifold Gaskets
MSD85561	Distributor Adjustable Collar
PBM302	Bronze Distributor Gear
MSD31199	Universal Plug Wire Kit
PBM916	Distributor Clamp
JGP00107	15W/-50 Break In Oil
JGP51061R	Wix Oil Filter



PERFORMANCE ENGINE KITS

Big Block Chevy 565 CI Street/Strip Performance Engine Packages

This kit includes everything to build a 565 CID Street/Strip engine. Featuring a World Sportsman nodular cap iron big block, PBM Profiler 320cc cylinder heads and Profiler intake as well as many other quality PBM products. This engine will produce serious HP. The kit is complete, intake to oil pan all at an affordable price.



Representative Photo - Actual Components May Vary

Kit# KITBBC565SEK BBC 565 Street Performance Engine Package

Short Block Components

Part Number	Description
WPI081102	World 9.800" - 4.600" Bore Nodular Cap Block
PBM85062	4.250 Stroke 4340 Forged Crankshaft
PBMCR6385	4340 H-Beam 6.385 Length Rods
MAHBBC270600D13	Forged 13cc Dome Pistons
Inc. W/Pistons	1.5 1.5 3.0mm Rings
KINMB556HP	King Racing Main Bearings
KINCR808HPN	King Racing Rod Bearings
DURCHP12	Durabond Cam Bearings
FELP2918	Rear Main Seal
PBMBKBBC	PBM Assembly Kit
ERSE120339	Erson Hydraulic Roller Camshaft
PBM7991T	Timing Set
PBM007-3	Cam Lock Plate
PBM325	Roller Cam Button
PBM639	Timing Cover w/ Gasket & Front Seal
PBMPB1211ST	SFI Harmonic Balancer Int. Balance
PBM646	PBM Billet Timing Pointer
PBM922	Fuel Pump Block Off
MELM77HV	Melling High Volume Oil Pump
ARP230-7001	ARP Oil Pump Stud Kit
MELIS77	Oil Pump Drive
MIL30950	Milodon Wet Sump Oil Pan
MIL22010	Billet Dipstick Tube
MIL18301	Milodon Oil Pump Pickup Tube
PBMRL931	Retro-Hydraulic Roller Lifters
FEL1893	Stroker Pan Gasket
ARP135-2501	Balancer Bolt
EQSOFA305	Oil Filter Adapter
ARP535-9801	Accessory Bolt Kit

Top End Components

Part Number	Description
PBM174-32-03	Pro-Profiler 320cc Sniper heads
PBM1216	2.300 +250 Intake Valves
PBM1201	1.880 Std Length Exhaust Valves
PBM3450	1.460 Dual Springs 145@1.850
PBM502	Erson 7 Deg. Retainers
PBM205-30	Erson 7 Deg. Valve Locks
PBM5301132	PBM Positive Valve Seals
PBM2679	I.D. Spring Locators
PBM805-16	Erson Extreme Rockers
PBM602	Erson Guide Plates
ARP100-7101	7/16 Rocker Studs
PBM1948-8	3/8 7.650 .080 Wall Pushrods
PBM1969-8	3/8 8.750 .080 Wall Pushrods
FELP1057	4.630 Composite Head Gaskets
ARP135-3607	Head Bolts
PBM 77640	High Temp Silicone Valve Cover Gaskets
PBM727A	Valve Covers
PBM936	Push In Breathers
PBM206-JR-9	4500 Flange Intake Manifold
CMEIR250060KF	Intake Manifold Gaskets
MSD85561	Distributor Adjustable Collar
PBM302	Bronze Distributor Gear
MSD31199	Universal Plug Wire Kit
PBM916	Distributor Clamp
JGP00107	15W/-50 Break In Oil
JGP51061R	Wix Oil Filter



Representative Photo - Actual Components May Vary

Big Block Chevy 582 CI Street/Strip Performance Engine Packages

This kit includes everything to build a 582 CID Street/Strip engine. Featuring a World Sportsman nodular cap iron big block, PBM Profiler 320cc cylinder heads and Profiler intake as well as many other quality PBM products. This engine will produce serious HP. The kit is complete, intake to oil pan all at an affordable price.

Kit# KITBBC582SEK BBC 582 Street Performance Engine Package

Short Block Components

Part Number	Description
WPI081107	World 9.850" - 4.600" Bore Nodular Cap Block
PBM85059	4.375 Stroke 4340 Forged Crankshaft
PBMCR6385	4340 H-Beam 6.385 Length Rods
MAHBBC270600D13	Forged 13cc Dome Pistons
Inc. W/Pistons	1.5 1.5 3.0mm Rings
KINMB556HP	King Racing Main Bearings
KINCR808HPN	King Racing Rod Bearings
DURCHP12	Durabond Cam Bearings
FELP2918	Rear Main Seal
PBMBKBBC	PBM Assembly Kit
ERSE120341	Erson Retro Hydraulic Roller Camshaft
PBM7991T	Timing Set
PBM007-3	Cam Lock Plate
PBM325	Roller Cam Button
PBM639	Timing Cover w/ Gasket & Front Seal
PBMPB1211ST	SFI Harmonic Balancer Int. Balance
PBM646	PBM Billet Timing Pointer
PBM922	Fuel Pump Block Off
MELM77HV	Melling High Volume Oil Pump
ARP230-7001	ARP Oil Pump Stud Kit
MELIS77	Oil Pump Drive
MIL30950	Milodon Wet Sump Oil Pan
MIL22010	Billet Dipstick Tube
MIL18301	Milodon Oil Pump Pickup Tube
PBMRL931	Retro-Hydraulic Roller Lifters
FEL1893	Stroker Pan Gasket
ARP135-2501	Balancer Bolt
EQSOFA305	Oil Filter Adapter
ARP535-9801	Accessory Bolt Kit

Top End Components

Part Number	Description
PBM174-37-03	370cc Rectangle Port Heads
PBM1219	2.350 +.350 Intake Valves
PBM1201	1.880 Std Length Exhaust Valves
PBM3450	1.460 Dual Springs 145@1.850
PBM502	Erson 7 Deg. Retainers
PBM205-30	Erson 7 Deg. Valve Locks
PBM5301132	PBM Positive Valve Seals
PBM2679	I.D. Spring Locators
PBM805-16	Erson Extreme Rockers
PBM602	Erson Guide Plates
ARP100-7101	7/16 Rocker Studs
PBM1949-8	3/8 7.700 .080 Wall Pushrods
PBM1970-8	3/8 8.800 .080 Wall Pushrods
FELP1057	4.630 Composite Head Gaskets
ARP135-3607	Head Bolts
PBM77640	High Temp Silicone Valve Cover Gaskets
PBM727A	Valve Covers
PBM936	Push In Breathers
PBM206-9RP	4500 Flange Intake Manifold
FEL1275-5	Intake Manifold Gaskets
MSD85561	Distributor Adjustable Collar
PBM302	Bronze Distributor Gear
MSD31199	Universal Plug Wire Kit
PBM916	Distributor Clamp
JGP00107	15W/-50 Break In Oil
JGP51061R	Wix Oil Filter



Big Block Chevy 582 CI Drag Race Performance Engine Packages

This kit includes everything to build a 582 CID Drag Race engine. Featuring a World Sportsman nodular cap iron big block, PBM Profiler 375cc CNC ported cylinder heads and Profiler intake as well as many other quality PBM products. This engine will produce serious HP. The kit is complete, intake to oil pan all at an affordable price.



Representative Photo - Actual Components May Vary

Kit# KITBBC582DEK BBC 582 Drag Race Engine Package

Short Block Components

Part Number	Description
WPI081107	World 9.850" - 4.600" Bore Nodular Cap Block
PBM85059	4.375 Stroke 4340 Forged Crankshaft
PBMCR6385A	4340 H-Beam 6.385 Rods w/ARP2000
JEP258236	Forged 42cc Dome Pistons
PBMPS24600FL	1/16 1/16 3/16 Ring Set
KINMB556XP	King Racing Main Bearings
KINCR808XPN	King Racing Rod Bearings
DURCHP12T	Durabond Coated Cam Bearings
FELP2918	Rear Main Seal
PBMBKBBC	PBM Assembly Kit
ERSE120994	Erson 7/4 Swap Solid Roller Cam
PBM8991TA	Billet Adjustable Timing Set
PBM007-3	Cam Lock Plate
PBM325	Roller Cam Button
PBM639	Timing Cover w/ Gasket & Front Seal
PBMPB1211SS	SFI Harmonic Balancer Int. Balance
PBM646	PBM Billet Timing Pointer
PBM922	Fuel Pump Block Off
MEL10770	Melling High Volume Oil Pump
ARP230-7001	ARP Oil Pump Stud Kit
inc w/pump	Oil Pump Drive
CAN13-344	Canton Wet Sump Oil Pan
CAN20-850	Billet Dipstick Tube
CAN20-170	Oil Pump Pickup Tube
PBMRL906	Erson Ultra series Bushed roller lifters
FEL1893	Stroker Pan Gasket
ARP135-2501	Balancer Bolt
EQSOFA305	Oil Filter Adapter
ARP535-9801	Accessory Bolt Kit

Top End Components

Part Number	Description
PBM174-X-C37-03	375cc CNC Ported Heads
PBM1220	2.350 + .400 Intake Valves
PBM1235	1.880 + .150 Exhaust Valves
ERSE915048	1.640 Triple Springs 345@2.100
PBM509	10 Degree Titanium Retainers
PBM203	10 Degree Valve Locks
PBM5301132	PBM Positive Valve Seals
PBM2605	O.D. Spring Locators
TDM3211	T&D Shaft Rockers
PBM1850-8	7/16 8.800 .165 Wall Pushrods
PBM1864-8	7/16 9.500 .165 Wall Pushrods
CMEC5331-040	4.630 bore MLS gasket
ARP235-4303	Head Studs
PBM77640	High Temp Silicone Valve Cover Gaskets
PBM727A	Valve Covers
PBM936	Push In Breathers
PBM206-10RP	4500 Flange Intake Manifold
FEL1275-5	Intake Manifold Gaskets
MSD85561	Distributor Adjustable Collar
PBM302	Bronze Distributor Gear
MSD31199	Universal Plug Wire Kit
PBM916	Distributor Clamp
JGP00107	15W/-50 Break In Oil
JGP51061R	Wix Oil Filter



Representative Photo - Actual Components May Vary

Big Block Chevy 632 CI Street/Strip Performance Engine Package

This kit includes everything to build a 632 CID street performance engine. Featuring a World nodular cap iron big block, PBM 370cc cylinder heads and Profiler intake as well as many other quality PBM products. This engine will produce serious HP. The kit is complete, intake to oil pan all at an affordable price.

Kit# KITBBC632SEK BBC 632 Street Performance Engine Package

Short Block Components

Part Number	Description
WPI081117	World 10.250" - 4.600" Bore Nodular Cap Block
ESP450247506600	4340 4.750 Stroke Crankshaft 6.660 cwt
ESPCRS66353D2000	H-Beam 6.635 Rods ARP2000 Bolt
JEP257963	Flat Top Pistons
PBMPS24600FL	1/16 1/16 3/16 Ring Set
KINMB556HP	King Racing Main Bearings
KINCR808HPN	King Racing Rod Bearings
DURCHP12	Durabond Cam Bearings
FELP2918	Rear Main Seal
PBMBKBBC	PBM Assembly Kit
ERSE120341	Erson Retro- Hydraulic Roller Cam
PBM7991T	Timing Set
PBM007-3	Cam Lock Plate
PBM325	Roller Cam Button
PBM639	Timing Cover w/ Gasket & Front Seal
PBMPB1211ST	SFI Harmonic Balancer Int. Balance
PBM646	PBM Billet Timing Pointer
PBM922	Fuel Pump Block Off
MELM77HV	Melling High Volume Oil Pump
ARP230-7001	ARP Oil Pump Stud Kit
MELIS77	Oil Pump Drive
CAN13-334	Canton Wet Sump Oil Pan
CAN20-850	Billet Dipstick Tube
CAN20-190	Oil Pump Pickup Tube
PBMRL931	Erson Retro-Hydraulic Roller Lifters
FEL1893	Stroker Pan Gasket
ARP135-2501	Balancer Bolt
EQSOFA305	Oil Filter Adapter
ARP535-9801	Accessory Bolt Kit

Top End Components

Part Number	Description
PBM174-37-03	370cc Rectangle Port Heads
PBM1219	2.350 Intake valves
PBM1201	1.850 Exhaust Valves
PBM3450	1.460 dual spring 145@1.850
PBM502	7 Degree Retainers
PBM205-30	7 Degree Valve Locks
PBM5301132	PBM Positive Valve Seals
PBM2679	I.D. Spring Locators
PBM805-16	1.7 Extreme Duty Rockers
PBM602	Erson Guide Plates
ARP100-7101	7/16 Rocker Studs
PBM1949-8	3/8 7.700 .080 Wall Pushrods
PBM1970-8	3/8 9.200 .080 Wall Pushrods
FELP1057	4.630 Bore Head Gaskets
ARP135-3607	Head Bolts
PBM77640	High Temp Silicone Valve Cover Gaskets
PBM727A	Valve Covers
PBM936	Push In Breathers
PBM206-10RP	4500 Flange Intake Manifold
FEL1275-5	Intake Manifold Gaskets
MSD85561	Distributor Adjustable Collar
PBM302	Bronze Distributor Gear
MSD31199	Universal Plug Wire Kit
PBM916	Distributor Clamp
JGP00107	15W/-50 Break In Oil
JGP51061R	Wix Oil Filter



PERFORMANCE ENGINE KITS

Big Block Chevy 632 CI Drag Race Performance Engine Package

This kit includes everything to build a 632 CID drag race/bracket race engine. Featuring a World nodular cap iron big block, PBM Profiler 375cc CNC cylinder heads and Profiler intake as well as many other quality PBM products. This engine will produce serious HP. The kit is complete, intake to oil pan all at an affordable price.



Representative Photo - Actual Components May Vary

Kit# KITBBC632DEK BBC 632 Drag Race Engine Package

Short Block Components

Part Number	Description
WPI081117	World 10.250" - 4.600" Bore Nodular Cap Block
ESP450247506600	Eagle 4340 4.750 Stroke Crankshaft
CPPU15113	Callies I-Beam 6.600 Ultra Series Rods
JEP258250	Forged 37cc Dome Pistons
PBMP24600FL	1/16 1/16 3/16 Ring Set
KINMB556XP	King Racing Main Bearings
KINCR808XPN	King Racing Rod Bearings
DURCHP12T	Durabond Coated Cam Bearings
FELP2918	Rear Main Seal
PBMBKBBC	PBM Assembly Kit
ERSE120994	Erson Custom 7/4 Swap Solid Roller Cam
PBM8991TA	Billet Adjustable Timing Set
PBM007-3	Cam Lock Plate
PBM325	Roller Cam Button
PBM639	Timing Cover w/ Gasket & Front Seal
PBMPB1211SS	SFI Harmonic Balancer Int. Balance
PBM646	PBM Billet Timing Pointer
PBM922	Fuel Pump Block Off
MEL10770	Melling High Volume Oil Pump
ARP230-7001	ARP Oil Pump Stud Kit
Inc w/pump	Oil Pump Drive
CAN13-334	Canton Wet Sump Oil Pan
CAN20-850	Dipstick Tube
CAN20-190	Oil Pump Pickup Tube
PBMRL906	Erson Ultra Series Bushed Roller Lifters
FEL1893	Stroker Pan Gasket
ARP135-2501	Balancer Bolt
EQSOFA305	Oil Filter Adapter
ARP535-9801	Accessory Bolt Kit

Top End Components

Part Number	Description
PBM174-X-C37-03	375cc CNC Ported Heads
PBM1220	2.350 + .400 Intake Valves
PBM1235	1.850 + .150 Exhaust Valves
ERSE915048	1.640 Triple Springs 345@2.100
PBM509	10 Degree Titanium Retainers
PBM203	10 Deg. Valve Locks
PBM5301132	PBM Positive Valve Seals
PBM2605	O.D. Spring Locators
TDM3211	T&D Shaft
PBM1858-8	7/16 9.200 .165 Wall Pushrod
PBM1871-8	7/16 9.900 .165 Wall Pushrod
CMEC5331-040	4.630 Bore MLS Head Gaskets
ARP235-4303	Head Studs
PBM77640	High Temp Silicone Valve Cover Gaskets
PBM727A	Valve Covers
PBM936	Push In Breathers
PBM206-10RP	4500 Flange Intake Manifold
FEL1275-5	Intake Manifold Gaskets
MSD85561	Distributor Adjustable Collar
PBM302	Bronze Distributor Gear
MSD31199	Universal Plug Wire Kit
PBM916	Distributor Clamp
JGP00107	15W/-50 Break In Oil
JGP51061R	Wix Oil Filter



PBM Performance SBC Engine Kits For Use With Customer Supplied Blocks



PBM 383 IRON HEAD ENGINE KIT

PBM has put together a complete engine package that will make you very competitive with "crate engines". Add your machining, labor and assembling to complete this awesome package. Cam specs are optional. Substitutions may be made ie, pistons, rods, crankshaft, cost will vary depending on changes. *Block required.*

Part # PBM 383IEK

Description	Part#
World Products Heads pair	WPI042660
Valve Springs	PBM3200
Retainers	PBM501
Valve Locks 11/32	PBM205
Intake Valves 2.02 + .100	PBM2105
Exhaust Valves 1.60 +.100	PBM2003
Guideplates	PBM601
Rocker Stud Set 7/16	PBM5182
Umbrella Seals	PIOOS450-100
Extreme Duty Rocker Arms	PBM801-16
Pushrods	PBM1601-8
World Valve Covers (chrome)	WPI743C
PPR Polished Manifold	PPR52025
Head Bolt Kit 6 point	PBM5009
Hydraulic Camshaft	ERSE113321S
Lifters Anti-pump-up R Series	LIFHA817R
383 Lightweight Crankshaft (cast)	PBM75004
PBM 5.7" I-Beam Connecting Rods	PBMCR5703
Pistons Hypereutectic	SPPH860CP
Moly Rings	HAS2M139
Rod bearings	KINCR807SI
Main bearings	KINMB557SI
Cam Bearings	DURCH8
Steel Timing Cover	PBM490
PBM Timing Set	PBM7981
Polished Aluminum Oil Pan	PBM842A
Hi-Volume Oil Pump w/pick-up	PBM20301
Harmonic Balancer	PBMMPB1050ST
Full Gasket Set	SLP260-1000
Aluminum Timing Pointer	PBM643
Engine Fastener Accessory Kit	ARP524-9501

PBM 383 ALUMINUM HEAD ENGINE KIT

A true performance engine package with forged crankshaft, connecting rods and pistons will deliver exceptional reliability! We have enhanced this kit with a modern hydraulic roller camshaft and lifters. 200cc aluminum heads top off this performance package. Cam specs are optional. Substitutions may be made ie, pistons, rods, crankshaft, cost will vary depending on changes. *Block required.*

Part # PBM 383AEK

Description	Part#
Strike Force Aluminum Heads pair	PBMC1982363ST
Retainers	PBM502
Valve Locks 11/32	PBM205
Intake Valves 2.02 + .100	PBM2106
Exhaust Valves 1.60 +.100	PBM2004
Guideplates	PBM601
Rocker Stud Set 7/16	PBM5182
Vitron Seals	PBM5301132
Valve Springs	PBM3400
Spring Cups	PBM2654
Extreme Duty Rocker Arms	PBM801-16
PBM Valve Covers (chrome)	PBM742C
Pushrods	PBM1631-8
PPR Polished Manifold	PPR52025
Head Bolt Kit 6 point	PBM5009
Retro-Fit Hydraulic Roller Camshaft	ERSE119840
Roller Lifters	PBMSL930
4340 Forged Crankshaft	PBM85022
PBM 6" I-Beam cap screw Rods	PBMCR6003
PBM Power Pistons (forged)	PBMPF4030125
4" +.005 bore rings	PBMPS34030FS
Rod bearings	KINCR807HPN
Main bearings	KINMB557HP
Cam Bearings	DURCH8
Steel Timing Cover	PBM490
PBM Timing Set	PBM7981
Polished Aluminum Oil Pan	PBM842A
Hi-Volume Oil Pump w/pick-up	PBM20301
Harmonic Balancer	PBMMPB2221ST
Full Gasket Set	SLP260-1000
Aluminum Timing Pointer	PBM642
Engine Fastener Accessory Kit	ARP534-9601



MASTER ENGINE KITS

PBM Master Engine Kits



PBM Master Engine Kits include a host of quality components including pistons, rings, rod & main bearings, cam bearings, gaskets, camshaft, lifters, oil pump, timing components, freeze plugs, and more. Some kits include crankshafts and connecting rods as well. Components are performance matched and tested for compatibility so you can be confident of the results. We will be happy to help you with customized engine kits to suit your needs as well, call our sales representatives for information.

Big Block Chevy Kits

454 Flat Top - Part# 91454

QTY	PART#	COMPONENT
8	H625CP30	FEDERAL MOGUL PISTONS
1	2M683.030	HASTINGS MOLY RINGS
1	CR808SI	KING ROD BEARINGS
1	MB556SI	KING MAIN BEARINGS
1	M77HV	MELLING HI VOL OIL PUMP
1	SLP260-1009	GASKET SET
1	E120009	PERF CAMSHAFT
		218/218 .520 .520 110
16	HA817	PBM LIFTERS
1	CH12	DURA-BOND CAM BEARINGS
1	PE102BR	BRASS EXPANSION PLUGS
1	PBM701	TIMING DUAL ROW 3 KEY
16	PBM3325	HYD VALVE SPRINGS
		(1.480 OD 110# @1.800 280# @1.250 .550 LIFT)
1	PBM504S	CHROME MOLY RETAINERS
1	PBM206	7 DEG HD KEEPERS

460 Flat Top - Part# 91460FP

QTY	PART #	COMPONENT
1	PF4280645	PBM POWER PISTONS
1	PS34280FS	PBM STD TENSION RINGS
1	CR6136	PBM I-BEAM RODS
1	CR808SI	KING ROD BEARINGS
1	MB556SI	KING MAIN BEARINGS
1	CH12	DURA-BOND CAM BEARINGS
1	SLP260-1009	GASKET SET
1	M77HV	MELLING HI VOL OIL PUMP
1	PBM701	TIMING DUAL ROW 3 KEY
1	E120014	PERF CAMSHAFT
		224/224 .510 .510 115
16	HA817	PBM LIFTERS
16	PBM3325	HYD VALVE SPRINGS
		(1.480 OD 110# @1.800 280# @1.250 .550 LIFT)
1	PBM504S	CHROME MOLY RETAINERS
1	PBM206	7 DEG HD KEEPERS
1	PE102BR	BRASS EXPANSION PLUGS
1	75022	PBM CAST STEEL CRANK

489 Flat Top - Part# 91489

QTY	PART#	COMPONENT
8	KB224.030	KEITH BLACK PISTONS
1	PS24280FS	PBM PERFORMANCE RINGS
1	CR808SI	KING ROD BEARINGS
1	MB556SI	KING MAIN BEARINGS
1	M77HV	MELLING HI VOL OIL PUMP
1	SLP260-1009	GASKET SET
1	E120018	PERF CAMSHAFT
		234/230 .544 .544 109
16	HA817	PBM LIFTERS
1	CH12	DURA-BOND CAM BEARINGS
1	PE102BR	BRASS EXPANSION PLUGS
1	PBM701	TIMING DUAL ROW 3 KEY
16	PBM3325	HYD VALVE SPRINGS
		(1.480 OD 110# @1.800 280# @1.250 .550 LIFT)
1	PBM504S	CHROME MOLY RETAINERS
1	PBM206	7 DEG HD KEEPERS
1	PBM75040	CRANKSHAFT 4.250

Small Block Chevy Kits

355 Flat Top - Part# 91355

QTY	PART#	COMPONENT
8	H631CP30	FEDERAL MOGUL PISTONS
1	2M139.030	HASTINGS MOLY RINGS
1	CR807SI	KING ROD BEARINGS
1	MB557SI	KING MAIN BEARINGS
1	M55HV	MELLING HI VOL OIL PUMP
1	SLP260-1000	GASKET SET
1	E110026	PERF CAMSHAFT
		214/224 .445 .465 112
16	HA817	PBM LIFTERS
1	CH8	DURA-BOND CAM BEARINGS
1	PE100BR	BRASS EXPANSION PLUGS
1	PBM700	TIMING DUAL ROW 3 KEY
16	PBM3000	HYD VALVE SPRINGS
		(1.250 OD 110# @1.700 300# @1.250 .500 LIFT)
1	PBM501S	CHROME MOLY RETAINERS
1	PBM205	7 DEG HD KEEPERS

383 Flat Top - Part# 91383FP

QTY	PART #	COMPONENT
1	PF4030425	PBM POWER PISTONS
1	PS34030FS	PBM MOLY STD TENSION RINGS
1	CR807SI	KING ROD BEARINGS
1	MB557SI	KING MAIN BEARINGS
1	M55HV	MELLING HI VOL OIL PUMP
1	SLP260-1000	GASKET SET
1	E110040	PERF CAMSHAFT
		224/234 .465 .488 114
16	HA817	PBM LIFTERS
1	CH8	DURA-BOND CAM BEARINGS
1	PE100BR	BRASS EXPANSION PLUGS
1	PBM700	TIMING DUAL ROW 3 KEY
16	PBM3000	HYD VALVE SPRINGS
		(1.250 OD 110# @1.700 300# @1.250 .500 LIFT)
1	PBM501S	CHROME MOLY RETAINERS
1	PBM205	7 DEG HD KEEPERS
1	PBM70000	PBM CAST STEEL CRANK
1	CR5702	PBM I-BEAM ROD

383 Flat Top - Part# 91383

QTY	PART#	COMPONENT
8	H860CP30	FEDERAL MOGUL PISTONS
1	2M139.030	HASTINGS MOLY RINGS
1	CR807SI	KING ROD BEARINGS
1	MB557SI	KING MAIN BEARINGS
1	M55HV	MELLING HI VOL OIL PUMP
1	SLP260-1000	GASKET SET
1	E110040	PERF CAMSHAFT
		224/234 .465 .488 114
16	HA817	PBM LIFTERS
1	CH8	DURA-BOND CAM BEARINGS
1	PE100BR	BRASS EXPANSION PLUGS
1	PBM700	TIMING DUAL ROW 3 KEY
16	PBM3000	HYD VALVE SPRINGS
		(1.250 OD 110# @1.700 300# @1.250 .500 LIFT)
1	PBM501S	CHROME MOLY RETAINERS
1	PBM205	7 DEG HD KEEPERS
1	PBM70000	CRANKSHAFT 3.750

Small Block Ford Kits

302 347 Flat Top - Part# 91347

QTY	PART#	COMPONENT
8	KB246.030	KEITH BLACK PISTONS
1	PS14030DS	PBM PERFORMANCE RINGS
1	CR804SI	KING ROD BEARINGS
1	MB529SI	KING MAIN BEARINGS
1	M68HV	MELLING HI VOL OIL PUMP
1	SLP260-1125	GASKET SET
1	E210034	PERF CAMSHAFT
		218/218 .460 .460 112
16	HA900	PBM LIFTERS
1	F18	DURA-BOND CAM BEARINGS
1	PE108BR	BRASS EXPANSION PLUGS
1	PBM702	TIMING DUAL ROW 3 KEY
16	PBM3100	HYD VALVE SPRINGS
		(1.460 OD 110# @1.800 275# @1.250 .550 LIFT)
1	PBM502S	CHROME MOLY RETAINERS
1	PBM205	7 DEG HD KEEPERS
1	CR5401	FORGED I-BEAM RODS
1	PBM75024	CRANKSHAFT 3.400

302 347 Flat Top - Part# 91347FP

QTY	PART #	COMPONENT
1	PF4030090	PBM POWER PISTONS
1	PS34030FS	PBM MOLY STD TENSION RINGS
1	CR804SI	KING ROD BEARINGS
1	MB529SI	KING MAIN BEARINGS
1	M68HV	MELLING HI VOL OIL PUMP
1	SLP260-1125	GASKET SET
1	E210034	PERF CAMSHAFT
		218/218 .460 .460 112
16	HA900	PBM LIFTERS
1	F18	DURA-BOND CAM BEARINGS
1	PE108BR	BRASS EXPANSION PLUGS
1	PBM702	TIMING DUAL ROW 3 KEY
16	PBM3100	HYD VALVE SPRINGS
		(1.460 OD 110# @1.800 275# @1.250 .550 LIFT)
1	PBM502S	CHROME MOLY RETAINERS
1	PBM205	7 DEG HD KEEPERS
1	CR5401	FORGED I-BEAM RODS
1	PBM75024	CRANKSHAFT 3.400

351W 393 Flat Top - Part# 91393

QTY	PART#	COMPONENT
8	KB115.030	KEITH BLACK PISTONS
1	2M139.030	HASTINGS MOLY RINGS
1	CR814SI	KING ROD BEARINGS
1	MB554SI	KING MAIN BEARINGS
1	M83HV	MELLING HI VOL OIL PUMP
1	SLP260-1028	GASKET SET
1	E212026	PERF CAMSHAFT
		224/234 .496 .520 110
16	HA900	PBM LIFTERS
1	F18	DURA-BOND CAM BEARINGS
1	PE108BR	BRASS EXPANSION PLUGS
1	PBM702	TIMING DUAL ROW 3 KEY
16	PBM3100	HYD VALVE SPRINGS
		(1.460 OD 110# @1.800 275# @1.250 .550 LIFT)
1	PBM502S	CHROME MOLY RETAINERS
1	PBM205	7 DEG HD KEEPERS
1	PBM75028	CRANKSHAFT 3.850



SBK BLOCK KITS Small Block Chevy SPORTSMAN

PBM's SBK Block Kits are a great way to start your performance engine build. These kits contain a brand new World Products Iron Block, King Rod and Main Bearings, Dura-Bond Coated Cam Bearings, and a PBM Assembly Kit with freeze plugs, cam plug and dowels.

Kits Contain The Following:

World Products - Motown II SBC Iron Block

- Nodular 4-bolt Caps w/ 7/16" ARP Bolts
- Priority Main Oiling
- 100% made in the USA.
- Clearanced for 4.000" Stroke
- 2.000" Cam Bearing Bore

Performance Main Bearing Set

Performance Rod Bearing Set

Performance Cam Bearing Set - Coated

PBM Block Assembly Kit - Freeze Plugs, Cam Plug, Pipe Plugs & Dowels

SBK#	Block#	Bore	Mains	Cap Mtl	Deck Ht.	Cam Tunnel
SBK4	084010	3.995	350	Nodular	9.025	2.000
SBK5	084020	4.120	350	Nodular	9.025	2.000
SBK6	084030	4.120	400	Nodular	9.025	2.000

Block Assembly Parts:

Cam bearings	DT1T, GMP8
Main bolts kit	701407
Rear cam plug	EPS78-10
Oil restrictors	1/8 Pipe Plug Type
Timing sets	7981, 8981T, 8981TA
Assembly kit	PBMBKSP

Torque Specs Mains:

TQ 7/16 Inner Main Bolts	70 FT.LB.
TQ 7/16 Front & Rear Outer Bolts	70 FT.LB.
TQ 7/16 Center Splayed Bolts	70 FT.LB.

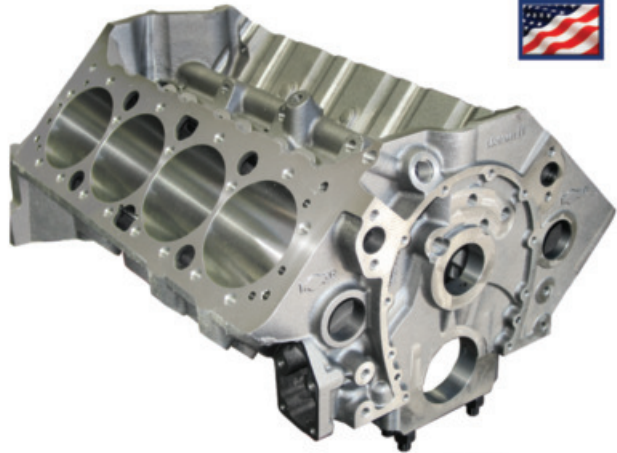


SBK BLOCK KITS

SBK BLOCK KITS Small Block Chevy COMPETITION



PBM's SBK Block Kits are a great way to start your performance engine build. These kits contain a brand new World Products Iron Block, King Rod and Main Bearings, Dura-Bond Coated Cam Bearings, and a PBM Assembly Kit with freeze plugs, cam plug, pipe plugs and dowels.



Kits Contain The Following:

World Products - Motown II SBC Iron Block

- 1045 Billet Steel 4-bolt Caps w/ 7/16" ARP Studs
- Priority Main Oiling
- 100% made in the USA.
- Cleared for 4.000" Stroke
- 2.000" Cam Bearing Bore

Performance Main Bearing Set

Performance Rod Bearing Set

Performance Cam Bearing Set - Coated

PBM Block Assembly Kit - Freeze Plugs, Cam Plug, Pipe Plugs & Dowels



SBK#	Block#	Bore	Mains	Cap Mtl	Deck Ht.	Cam Tunnel
SBK7	084110	3.995	350	Billet	9.025	2.000
SBK8	084120	4.120	350	Billet	9.025	2.000
SBK9	084130	4.120	400	Billet	9.025	2.000

Block Assembly Parts:

Cam bearings	DT1T, GMP8
Main studs kit	701406
Rear cam plug	EPS78-10
Oil restrictors	1/8 Pipe Plug Type
Timing sets	7981, 8981T, 8981TA
Assembly kit	PBMBKSP

Torque Specs Mains:

TQ 7/16 Inner Main Bolts	70 FT.LB.
TQ 7/16 Front & Rear Outer Bolts	70 FT.LB.
TQ 7/16 Center Splayed Bolts	70 FT.LB.



SBK BLOCK KITS Small Block Chevy RAISED CAM

PBM's SBK Block Kits are a great way to start your performance engine build. These kits contain a brand new World Products Iron Block, King Rod and Main Bearings, Dura-Bond Coated Cam Bearings, and a PBM Assembly Kit with freeze plugs, cam plug and dowels.

Kits Contain The Following:

World Products - Motown II SBC Iron Block

- Raised Camshaft Location +.134"
- BBC Cam Tunnel
- Bushed Lifter Bores .842" or .904"
- 1045 Billet Steel 4-bolt Caps w/ 7/16" ARP Studs
- Priority Main Oiling
- 100% made in the USA.
- Clearanced for 4.000" Stroke
- 2.000" Cam Bearing Bore
- Uses Standard SBC Oil Pan

Performance Main Bearing Set

Performance Rod Bearing Set

Performance Cam Bearing Set - Coated

PBM Block Assembly Kit - Freeze Plugs, Cam Plug, Pipe Plugs & Dowels

SBK#	Block#	Bore	Mains	Cap Mtl	Deck Ht.	Cam Tunnel
SBK11	084120RC	4.120	350	Billet	9.025	BBC
SBK13	084130RC	4.120	400	Billet	9.025	BBC

Add 904 to SBK part number for .904 lifter bore

Block Assembly Parts:

Cam bearings	DURGMP2T
Main studs kit	701406
Rear cam plug	EPC92-10
Oil restrictors	1/8 Pipe Plug Type
Timing sets	8981TRC.8981TARC
Assembly kit	PBMBKRC

Torque Specs Mains:

TQ 7/16 Inner Main Bolts	70 FT.LB.
TQ 7/16 Front & Rear Outer Bolts	70 FT.LB.
TQ 7/16 Center Splayed Bolts	70 FT.LB.

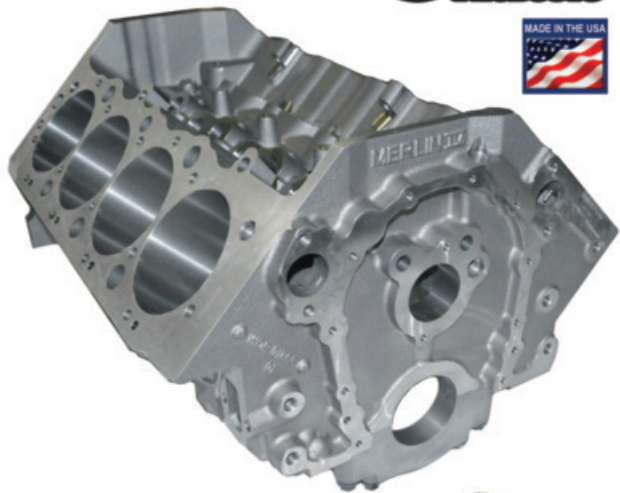


SBK BLOCK KITS

SBK BLOCK KITS Big Block Chevy SPORTSMAN



PBM's SBK Block Kits are a great way to start your performance engine build. These kits contain a brand new World Products Iron Block, King Rod and Main Bearings, Dura-Bond Coated Cam Bearings, and a PBM Assembly Kit with freeze plugs, cam plug and dowels.



Kits Contain The Following:

World Products - Merlin IV BBC Iron Block

Nodular 4-bolt Caps w/ 1/2" ARP Bolts

Priority Main Oiling

100% made in the USA.

Clearanced for 4.375" Stroke - 9.800 Deck

Clearanced for 4.750" Stroke - 10.200 Deck

Std. BBC Cam Bearing Bore

Performance Main Bearing Set

Performance Rod Bearing Set

Performance Cam Bearing Set

PBM Block Assembly Kit - Freeze Plugs, Cam Plug,
Pipe Plugs & Dowels



SBK#	Block	Bore	Main	Cap Mtl	Deck Ht.	Cam Tunnel
SBK14	091100	4.245	BBC	Nodular	9.800	STD.BBC
SBK16	091101	4.495	BBC	Nodular	9.800	STD.BBC
SBK17	091102	4.595	BBC	Nodular	9.800	STD.BBC
SBK15	091111	4.495	BBC	Nodular	10.200	STD.BBC
SBK18	091112	4.595	BBC	Nodular	10.200	STD.BBC

Block Assembly Parts:

Cam bearings	GMP12,GMP12T
Main bolts kit	701416
Rear cam plug	EPS154-10
Oil restrictors	PBM832665-2
Timing sets	7991,8991T,8991TA
Assembly kit	PBMBKBBCIV

Torque Specs Mains:

TQ 1/2 Inner Mains	100 FT.LB
TQ 1/2 FRT.&Rear Outer	100 FT.LB
TQ 1/2 Splayed Bolts	100 FT.LB



SBK BLOCK KITS Big Block Chevy COMPETITION

PBM's SBK Block Kits are a great way to start your performance engine build. These kits contain a brand new World Products Iron Block, King Rod and Main Bearings, Dura-Bond Coated Cam Bearings, and a PBM Assembly Kit with freeze plugs, cam plug and dowels.

Kits Contain The Following:

World Products - Merlin IV BBC Iron Block

1045 Billet 4-bolt Caps w/ 1/2" ARP Studs

Priority Main Oiling

100% made in the USA.

Clearanced for 4.375" Stroke - 9.800 Deck

Clearanced for 4.750" Stroke - 10.200 Deck

Std. BBC Cam Bearing Bore

Performance Main Bearing Set

Performance Rod Bearing Set

Performance Cam Bearing Set - Coated

PBM Block Assembly Kit - Freeze Plugs, Cam Plug, Pipe Plugs & Dowels

SBK#	Block	Bore	Main	Cap Mtl	Deck Ht.	Cam Tunnel
SBK19	095000	4.245	BBC	Billet	9.800	STD.BBC
SBK20	095010	4.495	BBC	Billet	9.800	STD.BBC
SBK22	095012	4.595	BBC	Billet	9.800	STD.BBC
SBK21	095110	4.495	BBC	Billet	10.200	STD.BBC
SBK23	095112	4.595	BBC	Billet	10.200	STD.BBC

Block Assembly Parts:

Cam bearings	GMP12,GMP12T
Main studs kit	701418
Rear cam plug	EPC92-10
Oil restrictors	PBM832665-2
Timing sets	7991,8991T,8991TA
Assembly kit	PBMBKBBCIV

Torque Specs Mains:

TQ 1/2 Inner Mains	100 FT.LB
TQ 1/2 FRT.&Rear Outer	100 FT.LB
TQ 1/2 Splayed Bolts	100 FT.LB



SBK BLOCK KITS

SBK BLOCK KITS Small Block Ford SPORTSMAN



PBM's SBK Block Kits are a great way to start your performance engine build. These kits contain a brand new World Products Iron Block, King Rod and Main Bearings, Dura-Bond Coated Cam Bearings, and a PBM Assembly Kit with freeze plugs, cam plug and dowels.

Kits Contain The Following:

World Products - Man O'War SBF Iron Block

- Nodular 4-bolt Caps w/ 7/16" ARP Bolts
- Priority Main Oiling
- 100% made in the USA.
- Clearanced for 3.400" Stroke - 8.200 Deck/302
- Clearanced for 4.250" Stroke - 9.500 Deck/351
- Std. 2.2045" Cam Bearing Bore
- 6 Head Bolts Per Cylinder

Performance Main Bearing Set

Performance Rod Bearing Set

Performance Cam Bearing Set - Coated

PBM Block Assembly Kit - Freeze Plugs, Cam Plug, Pipe Plugs & Dowels



SBK#	Block	Bore	Main	Cap Mtl	Deck Ht.	Cam Tunnel
SBK24	087010	3.995	302	Nodular	8.200	STD.SBF
SBK26	087072	3.995	351C	Nodular	9.500	STD.SBF
SBK25	087020	4.120	302	Nodular	8.200	STD.SBF
SBK27	087082	4.120	351C	Nodular	9.500	STD.SBF

Block Assembly Parts:

Cam bearings	351HPT
Main bolts kit	701431
Rear cam plug	EPS175-10
Oil restrictors	PBM832665-2
Timing sets	7982,8982,8982TA
Assembly kit	PBMBKSBF

Torque Specs Mains:

TQ 7/16 Inner Main Bolts	70 FT.LB.
TQ 7/16 Front & Rear Outer Bolts	70 FT.LB.
TQ 7/16 Center Splayed Bolts	70 FT.LB.



SBK BLOCK KITS Small Block Ford COMPETITION

PBM's SBK Block Kits are a great way to start your performance engine build. These kits contain a brand new World Products Iron Block, King Rod and Main Bearings, Dura-Bond Coated Cam Bearings, and a PBM Assembly Kit with freeze plugs, cam plug and dowels.

Kits Contain The Following:

World Products - Man O'War SBF Iron Block

1045 Billet 4-bolt Caps w/ 7/16" ARP Studs

Priority Main Oiling

100% made in the USA.

Clearanced for 3.400" Stroke - 8.200 Deck/302

Clearanced for 4.250" Stroke - 9.500 Deck/351

Std. 2.2045" Cam Bearing Bore

6 Head Bolts Per Cylinder

Performance Main Bearing Set

Performance Rod Bearing Set

Performance Cam Bearing Set - Coated

PBM Block Assembly Kit - Freeze Plugs, Cam Plug, Pipe Plugs & Dowels

SBK#	Block	Bore	Main	Cap Mtl	Deck Ht.	Cam Tunnel
SBK28	087110	3.995	302	Billet	8.200	STD.SBF
SBK30	087172	3.995	351C	Billet	9.500	STD.SBF
SBK29	087120	4.120	302	Billet	8.200	STD.SBF
SBK31	087182	4.120	351C	Billet	9.500	STD.SBF

Block Assembly Parts:

Cam bearings	351HPT
Main studs kit	701432
Rear cam plug	EPS175-10
Oil restrictors	PBM832665-2
Timing sets	7982,8982,8982TA
Assembly kit	PBMBKSBF

Torque Specs Mains:

TQ 7/16 Inner Main Bolts	70 FT.LB.
TQ 7/16 Front & Rear Outer Bolts	70 FT.LB.
TQ 7/16 Center Splayed Bolts	70 FT.LB.



SHORT BLOCK KITS

SHORT BLOCK KITS Small Block Chevy SPORTSMAN

Kits Contain The Following:

World Products - Motown II SBC Iron Block

- Nodular 4-bolt Caps w/ 7/16" ARP Bolts
- Priority Main Oiling
- 100% made in the USA.
- Clearanced for 4.000" Stroke
- 2.000" Cam Bearing Bore

PBM 4340 Std. Weight Crankshaft

PBM 4340 H-Beam Connecting Rods

Forged PBM or SRP Pistons

PBM Power Seal Rings

Performance Main & Rod Bearings

HP Series Cam Bearings

PBM Block Assembly Kit



Part #	Bore	Stroke	Crank	Mains	Rod	Piston	C/R 64cc
35060DBK	4.000	3.480	85010	350	CR6000	SRP231302	10.5
35060FBK	4.000	3.480	85010	350	CR6000	PBMPF4000250	13.0
37760DBK	4.125	3.480	85010	350	CR6000	PBMPD4125250	12.2
37760FBK	4.125	3.480	85010	350	CR6000	SRP231371	10.8
38360DBK	4.000	3.750	85022	350	CR6000	PBMPD4000125	13.8
38360FBK	4.000	3.750	85022	350	CR6000	PBMPF4000125	10.8
40060DBK	4.125	3.750	85042	400	CR6000	PBMPD4125125	12.2
40060FBK	4.125	3.750	85042	400	CR6000	PBMPF4125125	11.8
42160DBK	4.125	3.875	85047	400	CR6009	PBMPD0624125	13.7
43460DBK	4.125	4.000	85046	400	CR6009	PBMPD4125000	13.7
43460FBK	4.125	4.000	85046	400	CR6009	PBMPF4125000	12.3

Block Assembly Parts:

Cam bearings	DT1T, GMP8
Main bolts kit	701407
Rear cam plug	EPS78-10
Oil restrictors	1/8 Pipe Plug Type
Timing sets	7981, 8981T, 8981TA
Assembly kit	PBMBKSP

Torque Specs Mains:

TQ Inner Main Bolts	70 FT.LB.
TQ Front & Rear Outer Bolts	70 FT.LB.
TQ Center Splayed Bolts	70 FT.LB.



SHORT BLOCK KITS Small Block Chevy COMPETITION

Kits Contain The Following:

World Products - Motown II SBC Iron Block

- 1045 Billet 4-bolt Caps w/ 7/16" ARP Studs
- Priority Main Oiling
- 100% made in the USA.
- Clearanced for 4.000" Stroke
- 2.000" Cam Bearing Bore

PBM 4340 Superlite/Ultralite Crankshaft

PBM 4340 H-Beam Rods/Dyers Rods

Forged PBM Pro Series or JE Pistons

PBM Power Seal Rings

Performance Main & Rod Bearings

HP Series Cam Bearings

PBM Block Assembly Kit

Part #	Bore	Stroke	Crank	Mains	Rod	Piston	C/R 64cc
35523FBKC	4.030	3.480	87005	350	CR6016A	JE170692	10.5
35023DBKC	4.000	3.480	87005	350	CR6016A	JE217240	13.0
35823DBKC	4.125	3.250	85700	350	CR6126A	PBMPD1254125	12.8
37423DBKC	4.125	3.500	85102	350	CR6000A	JE182067	13.8
38823DBKC	4.125	3.625	85702	350	CR6000A	JE182063	13.8
38823DBKC	4.125	3.750	85106	350	CR6000A	PBMPD1254125	14.1
For 13 degree heads:							C/R 45cc
37413DBKC	4.125	3.500	85102	350	Dyers 6.000	PBMPD1325125	14.0

Block Assembly Parts:

Cam bearings	DT1T, GMP8
Main studs kit	701406
Rear cam plug	EPS78-10
Oil restrictors	1/8 Pipe Plug Type
Timing sets	7981, 8981T, 8981TA
Assembly kit	PBMBKSP

Torque Specs Mains:

TQ Inner Main Bolts	70 FT.LB.
TQ Front & Rear Outer Bolts	70 FT.LB.
TQ Center Splayed Bolts	70 FT.LB.

SHORT BLOCK KITS Small Block Chevy Raised Cam **SPORTSMAN**



Kits Contain The Following:

World Products - Motown II RC Iron Block

- + .134" Raised Cam Location w/BBC Journal
- Nodular 4-bolt Caps w/ 7/16" ARP Bolts
- Priority Main Oiling
- 100% made in the USA.
- Cleared for 4.000" Stroke
- 2.000" Cam Bearing Bore

PBM 4340 Std. Weight Crankshaft

PBM 4340 H-Beam Stroker Rods

Forged PBM or SRP Pistons

PBM Power Seal Rings

Performance Main & Rod Bearings

Cam Bearings

PBM Block Assembly Kit

Part #	Bore	Stroke	Crank	Mains	Rod	Piston	C/R 64cc
40060DBKSRC	4.125	3.750	85022	350	CR6009	PBMPD4125125	12.2
41560DBKSRC	4.125	3.875	85016	350	CR6009	PBMPD0624125	12.5
42760DBKSRC	4.125	4.000	85095	350	CR6009	PBMPD4125000	13.7
42760FBKSRC	4.125	4.000	85095	350	CR6009	PBMPP4125000	12.3

Block Assembly Parts:

Cam bearings	DURGMP2T
Main bolts kit	701407
Rear cam plug	EPC92-10
Oil restrictors	1/8 Pipe Plug Type
Timing sets	8981TRC, 8981TARC
Assembly kit	PBMBKRC

Torque Specs Mains:

TQ Inner Main Bolts	70 FT.LB.
TQ Front & Rear Outer Bolts	70 FT.LB.
TQ Center Splayed Bolts	70 FT.LB.



SHORT BLOCK KITS Small Block Chevy Raised Cam **COMPETITION**

Kits Contain The Following:

World Products - Motown II RC Iron Block

- + .134" Raised Cam Location w/BBC Journal
- 1045 Billet 4-bolt Caps w/ 7/16" ARP Studs
- Priority Main Oiling
- 100% made in the USA.
- Cleared for 4.000" Stroke
- 2.000" Cam Bearing Bore

PBM 4340 Superlite or Callies Crankshaft

PBM H-Beam Stroker or Oliver Rods

Forged PBM Pro Series or JE Pistons

PBM Power Seal Rings

Performance Main & Rod Bearings

Cam Bearings

PBM Block Assembly Kit

Part #	Bore	Stroke	Crank	Mains	Rod	Piston	C/R 64cc
40023DBKCRC	4.125	3.750	85106	350	CR6009A	PBMPD1254125	14.1
41523DBKCRC	4.125	3.875	85130	350	CR6009A	PBMPD0624125	12.5
42723DBKCRC	4.125	4.000	85135	350	CR6009A	JE182029	14.3
44023FBKCRC	4.125	4.125	CALLIES	350	OLIVER	CUSTOM	12.8
44023DBKCRC	4.125	4.125	CALLIES	350	OLIVER	PBMPD0624125	15.1
44023IVBKRC	4.125	4.125	CALLIES	350	OLIVER	CUSTOM	10.0

440 Kits Require Clearancing of Block, Rods and Oil Pan & 8.980 Deck Height

Block Assembly Parts:

Cam bearings	DURGMP2T
Main studs kit	701406
Rear cam plug	EPC92-10
Oil restrictors	1/8 Pipe Plug Type
Timing sets	8981TRC, 8981TARC
Assembly kit	PBMBKRC

Torque Specs Mains:

TQ Inner Main Bolts	70 FT.LB.
TQ Front & Rear Outer Bolts	70 FT.LB.
TQ Center Splayed Bolts	70 FT.LB.

SHORT BLOCK KITS Big Block Chevy SPORTSMAN

Kits Contain The Following:

World Products - Merlin IV BBC Iron Block

Nodular 4-bolt Caps w/ 1/2" ARP Bolts
Priority Main Oiling
100% made in the USA.
Clearanced for 4.375" Stroke - 9.800 Deck
Clearanced for 4.750" Stroke - 10.200 Deck
Std. BBC Cam Bearing Bore

PBM 4340 Std. Weight Crankshaft

PBM 4340 H-Beam Connecting Rods

Forged SRP Pistons

PBM Power Seal Rings

Performance Main & Rod Bearings

HP Series Cam Bearings

PBM Block Assembly Kit



Part #	Deck	Bore	Stroke	Crank	Rod	Piston	C/R 118cc
54063FBK	9.800	4.500	4.250	85062	CR6385	SRP142984	9.4
54063DBK	9.800	4.500	4.250	85062	CR6385	SRP140329	12.8
55563FBK	9.800	4.560	4.250	85062	CR6385	SRP231513	9.6
55563DBK	9.800	4.560	4.250	85062	CR6385	SRP152156	12.8
56563DBK	9.800	4.600	4.250	85062	CR6385	SRP152157	13.0
58065FBK	10.200	4.530	4.500	85066	CR6535	SRP142978	9.8
59865DBK	10.200	4.600	4.500	85066	CR6535	SRP152155	14.0

Block Assembly Parts:

Cam bearings	GMP12,GMP12T
Main bolts kit	701416
Rear cam plug	EPS154-10
Oil restrictors	PBM832665-2
Timing sets	7991,8991T,8991TA
Assembly kit	PBMBKBBCIV

Torque Specs Mains:

TQ Inner Mains	100 FT.LB
TQ FRT.&Rear Outer	100 FT.LB
TQ Splayed Bolts	100 FT.LB



SHORT BLOCK KITS Big Block Chevy COMPETITION

Kits Contain The Following:

World Products - Merlin IV BBC Iron Block

1045 Billet 4-bolt Caps w/ 1/2" ARP Studs

Priority Main Oiling

100% made in the USA.

Clearanced for 4.375" Stroke - 9.800 Deck

Clearanced for 4.750" Stroke - 10.200 Deck

Std. BBC Cam Bearing Bore

PBM 4340 Std. Weight Crankshaft

PBM 4340 H-Beam Rods w/ARP2000

Forged JE Pistons

PBM Power Seal Rings

Performance Main & Rod Bearings

Coated HP Cam Bearings

PBM Block Assembly Kit

Part #	Deck	Bore	Stroke	Crank	Rod	Piston	C/R 118cc
54063DBKC	9.800	4.500	4.250	85062	CR6385A	JE258238	14.3
55563DBKC	9.800	4.560	4.250	85062	CR6385A	JE258240	14.6
56563DBKC	9.800	4.600	4.250	85062	CR6385A	JE258241	14.8
59865DBKC	10.200	4.600	4.500	85066	CR6535A	JE258264	14.5
63267FBKC	10.200	4.600	4.750	85750	CR6700A	JE281959	10.7
63267DBKC	10.200	4.600	4.750	85750	CR6700A	JE258220	14.9

Block Assembly Parts:

Cam bearings	GMP12,GMP12T
Main studs kit	701418
Rear cam plug	EPC92-10
Oil restrictors	PBM832665-2
Timing sets	7991,8991T,8991TA
Assembly kit	PBMBKBBCIV

Torque Specs Mains:

TQ Inner Mains	100 FT.LB
TQ FRT.&Rear Outer	100 FT.LB
TQ Splayed Bolts	100 FT.LB

SHORT BLOCK KITS Small Block Ford SPORTSMAN



Kits Contain The Following:

World Products - Man O'War SBF Iron Block

- Nodular 4-bolt Caps w/ 7/16" ARP Bolts
- Priority Main Oiling
- 100% made in the USA.
- Clearanced for 3.400" Stroke - 8.200 Deck/302
- Clearanced for 4.250" Stroke - 9.500 Deck/351
- Std. 2.2045" Cam Bearing Bore
- 6 Head Bolts Per Cylinder

PBM 4340 Std. Weight Crankshaft

PBM 4340 H-Beam Connecting Rods

Forged PBM or SRP Pistons

PBM Power Seal Rings

Performance Main & Rod Bearings

HP Series Cam Bearings

PBM Block Assembly Kit

Part #	Deck	Bore	Stroke	Crank	Rods	Piston	C/R 64cc
33154FBK	8.200	4.030	3.250	85070	CR5400	PBMPF4030165	10.4
34154FBK	8.200	4.000	3.400	85072	CR5400	PBMPF4000090	10.0
39362FBK	9.500	4.030	3.850	85087	CR6250	SRP206059	11.3
40861FBK	9.500	4.030	4.000	85092	CR6125	SRP206060	11.7
41861FBK	9.500	4.030	4.100	85093	CR6125	SRP206059	12.0
42762FBK	9.500	4.125	4.000	85092	CR6250	SRP231591	12.2
43862FBK	9.500	4.125	4.100	85093	CR6200	SRP231591	12.3

Block Assembly Parts:

- Cam bearings 351HPT
- Main bolts kit 701431
- Rear cam plug EPS175-10
- Oil restrictors PBM832665-2
- Timing sets 7982,8982,8982TA
- Assembly kit PBMBKSBF

Torque Specs Mains:

- TQ Inner Main Bolts 70 FT.LB.
- TQ Front & Rear Outer Bolts 70 FT.LB.
- TQ Center Splayed Bolts 70 FT.LB.

PBM Cast Steel Crankshafts

PBM Cast Steel Crankshafts are the perfect choice to replace worn or questionable stock cranks when you're making big, reliable power for street or sportsman racing use. Our cast steel crankshafts come in a wide range of strokes & rod combinations for chevy, ford, chrysler & more.

- Budget minded, performance driven
- Precision ground & micro polished

70000 Series

Economy Cast Steel Crankshafts

Small Block Chevy

Part#	Description	Weight
70000	383 3.750" stroke (2 pc seal) 350 mains	51 lbs
70002	383 3.750" stroke (1 pc seal) 350 mains	51 lbs
70004	400 3.750" stroke replmt 400 mains 5.7 rod	55 lbs
75000	350 3.480" stroke replacement (2 pc)	51 lbs
75002	350 3.480" stroke (1 pc seal) 350 mains	51 lbs



75000 Series

Cast Steel Profiled Knife Edged Crankshafts

Small Block Chevy

Part#	Description	Weight
75001	350 3.480" stroke 350 mains 2 piece seal	51 lbs
75004	383 3.750" stroke 350 mains 5.700" rod	51 lbs
75006	383 3.750" stroke 350 mains 1 piece seal	51 lbs
75010	383 3.750" stroke 6.000" rod (LW int) 350 mains	51 lbs
75011	383 3.750" stroke 6.000" rod 350 mains (1 pc)	51 lbs
75014	400 3.750" stroke 5.700" rods 400 mains	55 lbs
75018	377 3.500" stroke 6.000" rod 400 mains	51 lbs
75020	400 3.750" stroke 6.000" rods (L/W Int) 400 mains	55 lbs



Big Block Chevy

Part#	Description	Weight
75022	454 4.000" stroke 2 piece seal 6.135 Rod	67 lbs
75040	454 4.250" stroke 2 piece seal 6.135 Rod	67 lbs
75041	454 4.250" stroke 1 piece seal 6.135 Rod	67 lb
75042	454 4.250" stroke 2 piece seal 6.385 Rod	69 lb

Ford

Part#	Description	Weight
75024	302 3.400" stroke (Ford rod)	28 oz 46 lbs
75026	302 3.250" stroke (Ford rod)	28oz 46 lbs
75027	351 3.500" stroke (Ford rod)	2.311 pin 62 lbs
75028	351 3.850" stroke (Ford rod)	2.311 pin 62 lbs
75030	351W 4.000" stroke (Chevy rod)	Neutral 62 lbs
75050	460 4.150" stroke 6.700" rod	76 lbs
75052	460 4.300" stroke 6.700" rod	76 lbs
75054	460 4.500" stroke 6.700" rod	76 lbs
75057	4.6L 3.540" stroke Stock	46 lbs



Chrysler

Part#	Description	Weight
75032	360 3.580" stroke	56 lbs

PBM Standard Weight 4340 Forged Crankshafts

PBM's 4340 standard weight crankshafts give you strength and reliability to dominate the competition. With our premium non-twist forgings, machined to exact specifications you can build large displacement and reliable power.

- Precision ground & micro polished
- Heat treated & ion nitrided
- Straight shot & chamfered oil holes
- Lightening holes & large radii on all journals



Standard Weight 4340 Forged Crankshafts Small Block Ford 302



Part#	Stroke	Rod	Weight
85070	3.250"	5.400"	52 lbs
85072 ¹	3.400"	5.400"	52 lbs
85073 ²	3.400"	5.400"	52 lbs
85200	3.000"	5.090"	52 lbs

¹Ford rod journal
²Chevy rod journal

Small Block Ford 351



Part#	Stroke	Rod	Wt.	Mains
85071	3.500"	6.000"	60 lbs	w
85074	3.750"	6.125"	60 lbs	w
85076	3.850"	6.200"	61 lbs	w
85078	4.000"	6.200"	61 lbs	w
85079	4.100"	6.200"	61 lbs	w
85085	3.500"	6.000"	59 lbs	C
85087	3.850"	6.200"	59 lbs	C
85092	4.000"	6.200"	59 lbs	C
85093	4.100"	6.200"	59 lbs	C
85075	4.250"	6.200"	60 lbs	C

Chrysler



Part#	Stroke	Rod	Wt.	Mains
85030	4.000"	6.123"	60 lbs	360
85031	3.750"	6.760"	67 lbs	400
85033	3.750"	6.760"	70 lbs	440
85035	4.150"	6.760"	70 lbs	440
85036	4.375"	6.800"	70 lbs	440
85037	4.500"	7.100"	70 lbs	440

Standard Weight 4340 Forged Crankshafts Small Block Chevy 350 Mains

Part#	Stroke	Rod	Weight
85010	3.480"	5.700"	51 lbs
85012	3.500"	5.700"	51 lbs
85014	3.500"	2.00 jrl	51 lbs
85015	3.562"	5.700"	51 lbs
85016	3.875"	6.000"	53 lbs
85017	3.625"	5.700"	52 lbs
85018	3.480"	1 pc seal	56 lbs
85020	3.750"	5.700"	53 lbs
85022	3.750"	6.000"	53 lbs
85024	3.750"	1 pc seal	53 lbs
85028	4.000"	6.000"	54 lbs

Small Block Chevy 400 Mains

Part#	Stroke	Rod	Weight
85040	3.750"	5.700"	55 lbs
85042	3.750"	6.000"	55 lbs
85044	3.500"	6.000"	55 lbs
85046	4.000"	6.000"	55 lbs
85047	3.875"	6.000"	55 lbs
85050	3.800"	6.000"	55 lbs

Chevy LS1/LS2

Part#	Stroke	Rod	Reluctor
85003	4.000"	6.125"	24T
85004	4.125"	6.125"	24T
85005	4.250"	6.125"	24T
85006	4.000"	6.125"	58T
85007	4.125"	6.125"	58T
85008	4.250"	6.125"	58T

Chevy 454

Part#	Stroke	Rod	Weight
85059	4.375"	6.385"	67 lbs
85060	4.000"	6.135"	68 lbs
85061	4.000"	6.385"	70 lbs
85062	4.250"	6.385"	70 lbs
85063	4.250"	6.135"	70 lbs
85064	4.250"	6.135" ^{1PC}	70 lbs
85065	4.250"	6.385" ^{1PC}	70 lbs
85066	4.500"	6.535" ^{1PC}	70 lbs

Chevy 454 w/Center Counterweight

Part#	Stroke	Rod	Weight
85250	4.250"	6.385"	77 lbs
85375	4.375"	6.385"	77 lbs
85500	4.500"	6.525"	77 lbs
85750	4.750"	6.700"	77 lbs

PBM Light Weight 4340 Forged Crankshafts

For serious racers that want the ultimate lightweight crankshaft, on a budget. Quality and features you would expect from higher priced cranks.

- Lightening holes in all journals
- Aero-wing counterweights
- Straight shot & chamfered oil holes
- Precision ground, heat treated & nitrided
- Lightening holes & large radii on all journals

Small Block Chevy 350 Mains

Part#	Mains	Stroke	Rod	Weight
85067	350	3.875"	6.000"	49 lbs
85080	350	3.480"	5.700"	48 lbs
85081	350	3.500"	5.700"	48 lbs
85082	350	3.750"	5.700"	49 lbs
85083	350	3.750"	6.000"	49 lbs
85094	350	3.800"	6.000"	49 lbs
85095	350	4.000"	6.000"	49 lbs

Small Block Chevy 400 Mains

Part#	Mains	Stroke	Rod	Weight
85069	400	3.875"	6.000"	50 lbs
85084	400	3.750"	5.700"	50 lbs
85086	400	3.750"	6.000"	50 lbs
85097	400	3.500"	6.000"	50 lbs
85098	400	3.800"	6.000"	50 lbs
85099	400	4.000"	6.000"	50 lbs

Big Block Chevy

Part#	Stroke	Rod	Weight
85089	4.375"	6.385"	65 lbs
85090	4.250"	6.385"	65 lbs
85091	4.500"	6.535"	70 lbs

Small Block Ford

Part#	Mains	Stroke	Rod	Weight
85077	351C	3.750"	6.000"	54 lbs
85205	302	3.250"	5.400"	49 lbs
85207	302	3.400"	5.400"	50 lbs
85305	351W	3.875"	6.125"	54 lbs
85307	351W	4.000"	6.200"	54 lbs
85309	351W	4.100"	6.000"	54 lbs



PBM Heavy Metal

Part#	Size	Weight	Wt.steel	Net gain
PHM41	1/2 x .750	41 grams	19	22
PHM55	1/2 x 1.000	55 grams	25	30
PHM66	1/2 x 1.200	66 grams	33	33
PHM92	3/4 x .750	92 grams	43	49
PHM123	3/4 x 1.000	123 grams	57	66
PHM148	3/4 x 1.200	148 grams	68	80
PHM168	7/8 x 1.000	168 grams	77	91
PHM201	7/8 x 1.200	201 grams	93	108
PHM219	1.000 x 1.000	219 grams	101	118
PHM263	1.000 x 1.200	263 grams	121	142
PHM273	1.000 x 1.250	273 grams	126	147



Crankshaft Balancing improves the crankshafts service life and gets the highest rate of torque from the engine.

- High quality balancing weights with faced ends.
- Diameters are ground .001 - .002 oversized.
- Length +.050/-000.



CRANKSHAFTS

PBM Ultra Light 4340 Forged Crankshafts

Manufactured From Non-Twist Single Plane 4340 Forgings. Each crankshaft is skillfully machined, precision finished, Ion-Nitrided & Heat-Treated for superior quality, extreme strength & durability.

- Straight Shot & Chamfered Oil Holes
- Large Radius on All Journals
- Lightening Holes in All Rod Journals
- Aero Wing Counterweights
- Precision Ground, Heat Treated and Nitrided for Superior Wear Resistance



Small Block Chevy

Part#	Stroke	Mains	Rod	Pin	Weight
87005	3.480"	350	5.700"	1.888"	42-43 lbs
87007	3.500"	350	5.700"	1.888"	40-41 lbs
87010	3.335"	350	5.700"	2.000"	42-43 lbs
87012	3.480"	350	5.700"	2.000"	43-44 lbs
87014	3.562"	350	5.850"	2.000"	43-44 lbs
87016	3.625"	350	5.850"	2.000"	43-44 lbs
87018	3.750"	350	6.000"	2.000"	44-45 lbs
87020	3.480"	350	5.700"	2.100"	44-45 lbs
87022	3.750"	350	6.000"	2.100"	45-46 lbs
87024	4.000"	350	6.000"	2.100"	45-47 lbs
87026	4.000"	400	6.000"	2.100"	47-48 lbs

PBM Super Light 4340 Forged Crankshafts

PBM Super Light Series Crankshafts are machined using premium Non-Twist single plane 4340 Forgings. Precision, Durability & Quality are our main focus.

- Straight Shot & Chamfered Oil Holes
- Large Radius on All Journals
- Lightening Holes in All Rod Journals
- Aero Wing Counterweights
- Pendulum Undercut Counterweights
- Bridged for Increased Strength
- Precision Ground, Heat Treated and Nitrided for Superior Wear Resistance



Small Block Chevy

Part#	Stroke	Mains	Rod	Weight
85102	3.500"	350	5.700"	44 lbs
85103*	3.500"	350	5.700"	44 lbs
85104	3.750"	350	5.700"	44 lbs
85106	3.750"	350	6.000"	44 lbs
85107	4.000"	350	6.000"	45 lbs
85108	3.800"	350	5.700"	45 lbs
85109	3.800"	350	6.000"	45 lbs
85110	3.500"	400	6.000"	46 lbs
85112	3.750"	400	5.700"	46 lbs
85114	3.750"	400	6.000"	46 lbs
85116	3.800"	400	6.000"	46 lbs
85130	3.875"	400	6.000"	46 lbs
85135	4.000"	400	6.000"	46 lbs
85700	3.250"	350	5.700"	42 lbs

*2.000" small journal

Big Block Chevy

Part#	Stroke	Rod	Weight
85119	4.000"	6.385"	59 lbs
85120	4.250"	6.385"	59 lbs
85125	4.500"	6.535"	64 lbs

351C Ford 2.750 Mains

Part#	Stroke	Rod	Pin	Weight
85401	3.500"	6.000"	2.100	51 lbs
85402	3.750"	6.000"	2.100	51 lbs
85403	4.000"	6.000"	2.100	51 lbs
85404	4.100"	6.000"	2.100	51 lbs

351W Ford

Part#	Stroke	Rod	Pin	Weight
85317	3.850"	6.125"	2.100	54 lbs
85319	4.000"	6.200"	2.100	54 lbs
85321	4.100"	6.000"	2.100	54 lbs

(Chevy Rod/Windsor Main)

I-Beam Light Weight 4340 Forged Connecting Rods

PBM I-beam connecting rods are made from a 2-piece chromoly steel forging to ensure maximum strength and durability. These rods feature a one-rib cap design for added strength and bearing support, polished beams to eliminate stress risers, and ARP cap screws or through bolts to greatly increase strength and horsepower capabilities.

We offer a complete line of Small and Big-Block Chevy, Ford, Chrysler, Honda and more in both I-Beam and H-Beam designs.

- High Tensile 4340 Forged Material
- Precision Sized and Balanced
- Dowelled cap for precision fit
- Pressed or Bushed Pin
- ARP cap screws 180000 psi
- Ribbed cap

Small Block Chevy

Part#	Description	Weight
CR5701	5.700" long 2.100" journal press pin Thru Bolt	635 gr
CR5702	5.700" long 2.100" journal bushed pin Thru Bolt	618 gr
CR5703	5.700" long 2.100" rod jnl bushed pin 3/8 cap screw	612 gr
CR5705	5.700" long 3/8 cap screw pressed pin	600 gr
CR5706	5.700" long w/ 7/16 cap screw bolts	588 gr
CR5707	5.700" 2.00" jnl pin bushed 3/8 cap screw	641 gr
CR6001	6.000" long 2.100" journal press pin Thru Bolt	641 gr
CR6002	6.000" long 2.100" journal bushed pin Thru Bolt	619 gr
CR6003	6.000" long 2.100" rod jnl bushed pin 3/8 cap screw	625 gr
CR6005	6.000" long 7/16 cap screw bolts	590 gr
CR6007	6.000" long 2.00" pin bushed 3/8 cap screw	664 gr
CR6127	6.125" long 2.100" pin bushed 7/16 cap screw	664 gr
CR6203	6.200" long 2.100" pin bushed 7/16 cap screw	664 gr

Big Block Chevy

Part#	Description	Weight
CR6134	6.135" press pin Thru Bolt	880 gr
CR6136	6.135" long bushed pin 7/16 cap bolts	819 gr
CR6137	6.135" bushed pin 7/16" cap screws Pro Series	819 gr
CR6384	6.385" 2.200" jnl (bushed) 7/16" cap screws	820 gr
CR6386	6.385" (press pin) 7/16" cap screws	830 gr

Small Block Ford

Part#	Description	Weight
CR5093	302 5.090" long - 2.123" press pin - cap screws	586 gr
CR5092	302 5.090" long - 2.123" bushed pin - cap screws	576 gr
CR5401	5.400" long - 2.123" jnl .927" bushed pin - cap screws	556 gr
CR5406	5.400" long - 2.123" jnl .927" bushed pin -7/16 cap screws	535 gr

Chrysler

Part#	Description	Weight
CR6123	6.123" 2.124" .984" cap screw bushed	580 gr

Honda

Part#	Description	Weight
CR5397	5.394" long Comp Lite .826" pin - cap screws	451 gr



Weights may vary

H-Beam Light Weight 4340 Forged Connecting Rods

Our H-beam connecting rods are the strongest PBM connecting rods available. Perfect for supercharged and nitrous applications, these rods incorporate a special doweled cap for specific cap-to-rod alignment and are profiled with extra clearance for stroker applications. PBM H-beam connecting rods are made from a 2-piece chromoly steel forging to ensure maximum strength and durability.

- High Tensile 4340 Forged Material
- Precision Sized and Balanced
- Dowelled cap for precision fit
- Silicon Bronze Bushing
- ARP cap screws 8740 or 2000
- Ribbed cap



Small Block Chevy

Part#	Description	Weight
CR5700	5.700" 2.100" rod journal	621 gr
CR5704	5.700" 2.000" journal	655 gr
CR5708	5.700" 2.100" 3/8" ARP2000 cap screw lightweight	557 gr
CR5850	5.850" 2.100" rod journal	616 gr
CR5803A	5.850" 2.000" rod journal w/ ARP2000	616 gr
CR6000	6.000" 2.100" rod journal	634 gr
CR6000A	6.000" 2.100" rod jnl w/ ARP2000	634 gr
CR6004	6.000" 2.000" sm jnl .927" pin	668 gr
CR6008	6.000" 2.100" jnl 3/8 ARP2000 cap screw lightweight	566 gr
CR6009	6.000 2.100 stroker clearanced	625 gr
CR6009A	6.000 2.100 stroker clearanced ARP2000	625 gr
CR6100	LS1 6.100" 2.100" rod jnl .927" pin	636 gr
CR6101	LS1 6.100" 2.100" .945" pin	671 gr
CR6125	6.125" 2.100" rod journal	637 gr
CR6125A	6.125" 2.100" rod journal w/ARP2000 bolts	637 gr
CR6130A	6.125" 2.100" journal Stroker clearanced	637 gr
CR6200	6.200" 2.100" rod journal	633 gr
CR6200A	6.200" 2.100" rod jnl w/ ARP2000 bolts	633 gr
CR6250	6.250" 2.100" rod journal	645 gr

Big Block Chevy

Part#	Description	Weight
CR6135	6.135" 2.100" rod journal	781 gr
CR6385	6.385" 2.200" rod journal	797 gr
CR6385A	6.385" 2.200" rod journal w/ARP2000 bolts	797 gr
CR6535	6.535" 2.200" rod journal	814 gr
CR6535A	6.535" 2.200" rod journal w/ARP2000 bolts	814 gr
CR6700	6.700" 2.200" rod journal	815 gr
CR6700A	6.700" 2.200" rod journal w/ARP2000 bolts	815 gr
CR6800	6.800" 2.200" rod journal	820 gr
CR6800A	6.800" 2.200" rod journal w/ARP2000 bolts	820 gr
CR7100	7.100" 2.200" rod journal .990" bushed pin	875 gr

Ford

Part#	Description	Weight
CR5090	SBF 5.090" 2.123" rod journal	602 gr
CR5400	SBF 5.400" 2.123" rod jnl (.927 pin)	588 gr
CR5402	SBF 5.400" 2.123" rod jnl (.912 pin)	628 gr
CR5403	SBF 5.400" 2.100" rod jnl (.927" pin)	590 gr
CR5933	Ford 4.6L 5.933"	619 gr
CR5956	SBF 5.956" *2.311" rod jnl (.912 pin)	633 gr
CR6201	SBF 6.200" 2.311" journal .927" pin	676 gr
CR6657	Ford 5.4L 6.657"	646 gr

Chrysler

Part#	Description	Weight
CR6124	6.123" with 8740 7/16" cap screw	706 gr
CR6760	6.760" .990" pin	790 gr
CR6768	6.760" 1.094" pin	755 gr

Weights may vary



H-Beam Super Lite 4340 Forged Connecting Rods

These rods are light, strong, and delivered ready to install. Crafted from high-tensile 4340 forged steel, Super Lites use special 1.4 in. ARP 7/16 in. bolts to ensure clearance--no machining or indexing is required! These Chevy stroker rods are built with doweled caps for precision alignment and profiled clearance for stroker applications. A Formula 1 style lightening hole reduces weight even more without compromising strength. You're not settling for the original horsepower in your Chevy, so don't settle for just any connecting rod; choose high-quality craftsmanship--PBM Super Lite stroker rods.

- Lightened Design
- High Tensile 4340 Forged Material
- Precision Sized and Balanced
- Dowelled Cap for Precision Fit
- Silicon Bronze Bushing
- ARP 7/16 Cap Screws 8740 or 2000
- Ribbed Cap

Small Block Chevy

Part#	Description	Weight
CR5711	5.700 LENGTH 2.000 JOURNAL	549GR
CR5711A	5.700 LENGTH 2.000 JOURNAL ARP 2000 BOLT	553GR
CR6011	6.000 LENGTH 2.000 JOURNAL	564GR
CR6011A	6.000 LENGTH 2.000 JOURNAL ARP 2000 BOLT	570GR
CR6012	6.000 LENGTH 2.100 JOURNAL	550GR
CR6012A	6.000 LENGTH 2.100 JOURNAL ARP 2000 BOLT	570GR
CR6016	6.000 LENGTH 1.888 JOURNAL ARP2000 BOLT	564GR
CR6126	6.125 LENGTH 2.100 JOURNAL	575GR
CR6126A	6.125 LENGTH 2.100 JOURNAL ARP 2000 BOLT	575GR
CR6129	6.125 LENGTH 1.888 JOURNAL ARP 2000 BOLT	565GR



Weights may vary

Connecting Rod Service Items

Part#	Description
B912	.912" pin bushing .973 OD 1.010
B927	.927" pin bushing .990" OD 1.065" L
B990	.990" pin bushing 1.068 OD 1.010 L
AR404-16	7/16" 8740 1.400 UHL cap screw
AR405-16	3/8" 8740 1.600 UHL cap screw
AR 406-16	7/16" 8740 1.600 UHL cap screw
AR 407-16	7/16" ARP2000 1.450 UHL cap screw
AR408-16	7/16" ARP2000 1.600 UHL cap screw
AR403-16	3/8" ARP2000 1.600 UHL cap screw
AR412-16	7/16" 8740 1.800 UHL cap screw





PBM Forged Power Pistons

PBM forged aluminum Power Pistons are strong and light for high performance applications. They are loaded with features which enhance horsepower and durability, and are hand-deburred so they are ready to run, right out of the box. We've done all the work for you!

- Slipper Skirt Design
- Ultra Flat Ring Grooves
- Accumulator Grooves
- 4032 Low Expansion Alloy
- Forced Pin Oiling
- CNC Machine Finished Pin Bores
- Hand Deburred
- Race Proven Round Wire Locks
- 1.5 1.5 3.0mm Ring Grooves



350 SBC Flat Top .927 pin -5cc valve pocket

Part#	Bore	Stroke	CID	Rod	CH	Weight	CR 64cc	Ring Part#
PF4000550	4.000	3.480/3.500	350	5.700	1.550	454	10.6	PS34000FS
PF4030550	4.030	3.480	355	5.700	1.550	466	10.6	PS34030FS
PF4040550	4.040	3.480/3.500	357	5.700	1.550	468	10.6	PS34040FS
PF4000250	4.000	3.500	351	6.000	1.250	418	10.6	PS34000FS
PF4030250	4.030	3.500	357	6.000	1.250	429	10.6	PS34030FS
PF4040250	4.040	3.500	359	6.000	1.250	433	10.6	PS34040FS
PF4060250	4.060	3.500	362	6.000	1.250	440	10.6	PS34060FS
PF4000125	4.000	3.500	351	6.125	1.125	398	10.6	PS34000FS
PF4000125	4.000	3.750	377	6.000	1.125	398	10.6	PS34000FS
PF4030125	4.030	3.500	357	6.125	1.125	406	10.6	PS34030FS
PF4030125	4.030	3.750	383	6.000	1.125	406	10.6	PS34030FS
PF4040125	4.040	3.500	359	6.125	1.125	409	10.6	PS34040FS
PF4040125	4.040	3.750	385	6.000	1.125	409	10.6	PS34040FS
PF4030425	4.030	3.750	383	5.700	1.425	451	11.3	PS34030FS
PF4040425	4.040	3.750	385	5.700	1.425	456	11.3	PS34040FS
PF4030000	4.030	4.000	408	6.000	1.000R*	380	11.8	PS34030FS
PF4000062	4.000	3.875	390	6.000	1.062R*	381	11.5	PS34000FS
PF4030062	4.030	3.875	395	6.000	1.062R*	402	11.4	PS34030FS

350 SBC Dome .927 pin 11cc Dome

Part#	Bore	Stroke	CID	Rod	CH	Weight	CR 64cc	Ring Part#
PD4030550	4.030	3.480/3.500	355	5.700	1.550	501	13.0	PS34030FS
PD4060550	4.060	3.480/3.500	360	5.700	1.550	513	13.0	PS34060FS
PD4030250	4.030	3.500	357	6.000	1.250	465	13.0	PS34030FS
PD4040250	4.040	3.500	359	6.000	1.250	468	13.0	PS34040FS
PD4060250	4.060	3.500	362	6.000	1.250	474	13.0	PS34060FS
PD4000125	4.000	3.750	377	6.000	1.125	440	13.8	PS34000FS
PD4000125	4.000	3.500	351	6.125	1.125	440	13.8	PS34000FS
PD4030125	4.030	3.750	383	6.000	1.125	444	13.8	PS34030FS
PD4030125	4.030	3.500	357	6.125	1.125	444	13.8	PS34030FS
PD4040125	4.040	3.750	385	6.000	1.125	448	13.8	PS34040FS
PD4040125	4.040	3.500	359	6.125	1.125	448	13.8	PS34040FS
PD4060125	4.060	3.750	388	6.000	1.125	454	13.8	PS34060FS
PD4060125	4.060	3.500	362	6.125	1.125	454	13.8	PS34060FS
PD4030425	4.030	3.750	383	5.700	1.425	484	13.8	PS34030FS
PD4030000	4.030	4.000	408	6.000	1.000R*	415	14.6	PS34030FS

NEED RINGS?

Add PP to part # for pro pack:

Pro Pack includes: Plasma moly

File Fit 1.5 1.5 3.0mm Rings.

Big Block Pro Pack includes:

Plasma moly File-Fit Rings 1.5 1.5 3.0mm rings

400 SBC Flat Top .927 pin -5cc valve pocket

Part#	Bore	Stroke	CID	Rod	CH	Weight	CR 64cc	Ring Part#
PF4125425	4.125	3.750	401	5.700	1.425	466	11.8	PS34125FS
PF4155425	4.155	3.750	406	5.700	1.425	477	11.8	PS34155FS
PF4165425	4.165	3.750	409	5.700	1.425	483	11.8	PS34165FS
PF4125125	4.125	3.750	401	6.000	1.125	438	11.8	PS34125FS
PF4155125	4.155	3.750	406	6.000	1.125	448	11.8	PS34155FS
PF4165125	4.165	3.750	409	6.000	1.125	452	11.8	PS34165FS
PF4125000	4.125	4.000	428	6.000	1.000R*	415	12.3	PS34125FS
PF4155000	4.155	4.000	434	6.000	1.000R*	423	12.3	PS34155FS

400 SBC Dome .927 pin 4cc Dome

Part#	Bore	Stroke	CID	Rod	CH	Weight	CR 64cc	Ring Part#
PD4125250	4.125	3.500	374	6.000	1.250	471	12.2	PS34125FS
PD4155250	4.155	3.500	379	6.000	1.250	482	12.2	PS34155FS
PD4165250	4.165	3.500	381	6.000	1.250	486	12.2	PS34165FS
PD4125125	4.125	3.500	374	6.125	1.125	454	12.2	PS34125FS
PD4155125	4.155	3.500	379	6.125	1.125	462	12.2	PS34155FS
PD4155125	4.155	3.750	406	6.000	1.125	462	12.2	PS34155FS
PD4165125	4.165	3.500	381	6.125	1.125	465	12.2	PS34165FS
PD4125000	4.125	4.000	427	6.000	1.000R*	430	13.7	PS34125FS
PD4155000	4.155	4.000	434	6.000	1.000R*	438	13.7	PS34155FS

PBM Forged Power Pistons

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350 / 400 SBC Inverted Dome .927 pin

Part#	Bore	Stroke	CID	Rod	CH	Dome	Weight	CR 64cc	Ring Part#
PI4030550	4.030	3.480/3.500	355	5.700	1.550	-20cc	483	9.0	PS34030FS
PI4155125	4.155	3.750	406	6.000	1.125	-26cc	442	9.4	PS34155FS

BBC Flat Top

Part#	Bore	Stroke	CID	Rod	Pin	CH	Dome	Weight	CR 118cc	Ring Part#
PF4500645	4.500	4.000	508	6.135	.990	1.645	-3cc	556	8.7	PS34500FS
PF4280645	4.280	4.000	460	6.135	.990	1.645	-3cc	594	8.4	PS34280FS

BBC Dome

Part#	Bore	Stroke	CID	Rod	Pin	CH	Dome	Weight	CR 118cc	Ring Part#
PD4280645	4.280	4.000	460	6.135	.990	1.645	28cc	597	10.3	PS34280FS
PD4310270	4.310	4.250	496	6.385	.990	1.270	18cc	558	10.2	PS34310FS

Small Block Ford Flat Top

Part#	Bore	Stroke	CID	Rod	Pin	CH	Dome	Weight	CR 64cc	Ring Part#
PF4030600	4.030	3.000	306	5.090	.912	1.600	-6.6cc	464	9.0	PS34030FS
PF4030165	4.030	3.250	331	5.400	.927	1.165	0cc	427	10.4	PS34030FS
PF4000090	4.000	3.400	341	5.400	.927	1.090R	-6.6cc	388	10.0	PS34000FS
PF4030090	4.030	3.400	346	5.400	.927	1.090R	-6.6cc	395	10.0	PS34030FS
PF4030245	4.030	4.100	418	6.200	.927	1.245	-6.6cc	421	11.8	PS34030FS
PF4030300	4.030	4.100	418	6.125	.927	1.300	-5cc	458	12.0	PS34030FS

- Slipper Skirt Design
- Ultra Flat Ring Grooves
- Accumulator Grooves
- 4032 Low Expansion Alloy
- Forced Pin Oiling
- CNC Machine Finished Pin Bores
- Hand Deburred
- Race Proven Round Wire Locks
- 1.5 1.5 3.0mm Ring Grooves



SERVICE ITEMS

PBM Wrist Pins

Part#	Description
PBM927PP	SBC & SBF pistons w/.927 pins
PBM928PP	.001 oversized wrist pins
PBM929PP	.002 oversized wrist pins
PBM930PP	.003 oversized wrist pins
PBM990PP	BBC PBM pistons w/.990 pins



PBM Wire Locks

Part#	Description
PBM927WL	For .927 pins
PBM990WL	For .990 pins



NEED RINGS?

Add PP to part # for pro pack:

Pro Pack includes: Plasma moly File Fit 1.5 1.5 3.0mm Rings.

Big Block Pro Pack includes: Plasma moly File-Fit Rings 1.5 1.5 3.0mm rings



PBM Professional Series Pistons

PBM forged aluminum Professional Series Pistons are built for serious competition. They are designed with features which racers count on for enhanced horsepower and durability. And are hand-deburred so they are ready to run, right out of the box. We've done all the work for you!

- 2618 High Strength Forgings
- Superior Skirt Design
- Ultra Flat Ring Grooves
- Lateral Gas Ports
- Dual Forced Pin Oiling
- CNC Machine Finished Pin Bores
- Hand Deburred
- Left and Right Forgings
- Race Proven Round Wire Locks
- Low friction rings - .043 - .043 - 3.0mm
- 10.8cc or 14cc Domes
- .300" Intake valve pocket



- Low friction rings 1.5 - 1.5 - 3.0mm
- 9cc or 11cc Domes
- .320" Intake valve pocket



- Low friction rings - .043 - .043 - 3.0mm
- Custom Designed - 4cc Piston Domes
- .340" Deep Intake Pockets For High Lift Cam Profiles
- Tool Steel Wrist Pins Are Standard
- In Stock No More Waiting or Special Order Fees

SBC 23° with .043 - .043 - 3.0mm Ring Grooves

PART #	Bore Size	Pin Ht.	Dome Vol.
PDS0624125	4.125	1.062	+10.8cc
PDS0624130	4.130	1.062	+10.8cc
PDS0624135	4.135	1.062	+10.8cc
PDS0624145	4.145	1.062	+10.8cc
PDS0624155	4.155	1.062	+10.8cc
PDS0624165	4.165	1.062	+10.8cc
PDS1254125	4.125	1.125	+10.8cc
PDS1254130	4.130	1.125	+10.8cc
PDS1254135	4.135	1.125	+10.8cc
PDS1254145	4.145	1.125	+10.8cc
PDS1254155	4.155	1.125	+10.8cc
PDS1254165	4.165	1.125	+10.8cc
PDS2504030	4.030	1.250	+14cc
PDS2504040	4.040	1.250	+14cc
PDS3304125	4.125	1.330	+14cc
PDS3304130	4.130	1.330	+14cc
PDS3304135	4.135	1.330	+14cc
PDS3304145	4.145	1.330	+14cc
PDS3304155	4.155	1.330	+14cc

SBC 23° with 1.5 - 1.5 - 3.0mm Ring Grooves

PART #	Bore Size	Pin Ht.	Dome Vol.
PD0624030	4.030	1.062	+11cc
PD0624040	4.040	1.062	+11cc
PD0624125	4.125	1.062	+9cc
PD0624135	4.135	1.062	+9cc
PD0624145	4.145	1.062	+9cc
PD0624155	4.155	1.062	+9cc
PD1254000	4.000	1.125	+11cc
PD1254030	4.030	1.125	+11cc
PD1254040	4.040	1.125	+11cc
PD1254125	4.125	1.125	+11cc
PD1254135	4.135	1.125	+11cc
PD1254155	4.155	1.125	+11cc

SBC 13° with .043 - .043 - 3.0mm Ring Grooves

PART #	Bore Size	Pin Ht.	Dome Vol.
PD1325125	4.125	1.125	- 4cc
PD1335125	4.135	1.125	- 4cc
PD1325062	4.125	1.062	- 4cc
PD1335062	4.135	1.062	- 4cc
PD1325000	4.125	1.000	- 4cc
PD1335000	4.135	1.000	- 4cc

PBM Power Flex Rings

PBM Power Flex Rings are made of high-tensile strength, premium cast ductile iron, and are coated with plasma moly impact-resistant alloy (2M).

- High Tensile Cast Ductile Iron
- Plasma-Moly Coated
- Industry Standard Oil Control
- Improved Sealing Properties
- Standard and Oversize Fitment



Low Tension - 10-14 lbs.

Part#	Bore	Sizes	Ring Pack
2M5505	4.000"	Std,005,010,025,030,035,045,060,065	1/16", 1/16", 3/16"
2M5510	4.125"	Std,005,020,025,030,035,040,045,060	1/16", 1/16", 3/16"
2M5515	4.250"	Std,030,035,060,065,125	1/16", 1/16", 3/16"

Standard Tension - 15-20 lbs.

Part#	Bore	Sizes	Ring Pack
2M5508	4.000"	Std,005,020,025,030,035,040,045,060,065	5/64", 5/64", 3/16"
2M5518	4.250"	Std,005,030,035,040,045,060,065	5/64", 5/64", 3/16"
2M5521	4.000"	Std,005,010,020,025,030,035,040,045,060,065	1/16", 1/16", 1/8"
2M5523	4.000"	Std,005,010,025,030,035,040,045,060,065,070,080	1/16", 1/16", 3/16"
2M5529	4.125"	Std,005,020,025,030,035,040,045,060,065	1/16", 1/16", 3/16"
2M5519	4.250"	Std,005,020,030,035,040,060,065,125	1/16", 1/16", 3/16"
2M5528	4.320"	Std,005,020,025,030,035,040,055,060,065	1/16", 1/16", 3/16"
2M5589	4.500"	Std,005,025,030,035,045,060,065,100,105	1/16", 1/16", 3/16"
2M5540	4.000"	Std,005,025,030,035,040,045,060,065,070,085,095,105	1.5, 1.5, 3.0mm
SM5587	4.000"	Std,005,010,020,025,035,040,045,055,060,065,070,080,100	.043 .043 3.0
SM5593	4.125"	Std,005,010,015,020,025,030,035,040,045,050,055,060	.043 .043 3.0

Tech Notes

File Fit Rings:

Caution: It is easy to damage rings when filing if this process is not done correctly. End of rings must be square and parallel and void of any burrs.

Oil Ring Tension:

Low tension oil rings are not recommended for Wet Sump Engines. Can be used with vacuum pump.





PBM Power Seal Rings

PBM Power Seal Rings are engineered to achieve maximum horsepower through superior sealing. Our top ring is a ductile iron plasma moly barrel-face, second ring is a reverse twist design for improved drag reduction. Oil ring is a three piece design available with standard tension and low tension.

- Lightweight Design
- Reduced Ring Flutter
- Superior Sealing
- Reduced Friction
- Precision Finish
- Precision Tolerances



1/16 - 1/16 - 3/16 Ring Packs

Low Tension Oil Control - 12-15 lbs. / File Fit

Part#	Bore	Fitment	Ring Pack
PS24000FL	4.000"	File Fit	1/16", 1/16", 3/16"
PS24030FL	4.030"	File Fit	1/16", 1/16", 3/16"
PS24040FL	4.040"	File Fit	1/16", 1/16", 3/16"
PS24050FL	4.045"	File Fit	1/16", 1/16", 3/16"
PS24060FL	4.060"	File Fit	1/16", 1/16", 3/16"
PS24070FL	4.070"	File Fit	1/16", 1/16", 3/16"
PS24130FL	4.125"	File Fit	1/16", 1/16", 3/16"
PS24135FL	4.130"	File Fit	1/16", 1/16", 3/16"
PS24140FL	4.135"	File Fit	1/16", 1/16", 3/16"
PS24150FL	4.145"	File Fit	1/16", 1/16", 3/16"
PS24160FL	4.155"	File Fit	1/16", 1/16", 3/16"
PS24170FL	4.165"	File Fit	1/16", 1/16", 3/16"
PS24310FL	4.310"	File Fit	1/16", 1/16", 3/16"
PS24350FL	4.350"	File Fit	1/16", 1/16", 3/16"
PS24360FL	4.360"	File Fit	1/16", 1/16", 3/16"
PS24380FL	4.375"	File Fit	1/16", 1/16", 3/16"
PS24390FL	4.390"	File Fit	1/16", 1/16", 3/16"
PS24400FL	4.400"	File Fit	1/16", 1/16", 3/16"
PS24470FL	4.470"	File Fit	1/16", 1/16", 3/16"
PS24500FL	4.500"	File Fit	1/16", 1/16", 3/16"
PS24560FL	4.560"	File Fit	1/16", 1/16", 3/16"
PS24600FL	4.600"	File Fit	1/16", 1/16", 3/16"

All File Fit are +.005" oversize

Tech Notes

File Fit Rings:

Caution: It is easy to damage rings when filing if this process is not done correctly. End of rings must be square and parallel and void of any burrs.

Oil Ring Tension:

Low tension oil rings are not recommended for Wet Sump Engines. Can be used with vacuum pump.

1/16 - 1/16 - 3/16 Ring Packs

Standard Tension Oil Control - 16-24 lbs. / Std Fit

Part#	Bore	Fitment	Ring Pack
PS14000DS	4.000"	Std	1/16", 1/16", 3/16"
PS14030DS	4.030"	Std	1/16", 1/16", 3/16"
PS14040DS	4.040"	Std	1/16", 1/16", 3/16"
PS14060DS	4.060"	Std	1/16", 1/16", 3/16"
PS14080DS	4.080"	Std	1/16", 1/16", 3/16"
PS14120DS	4.125"	Std	1/16", 1/16", 3/16"
PS14140DS	4.145"	Std	1/16", 1/16", 3/16"
PS14150DS	4.155"	Std	1/16", 1/16", 3/16"
PS14160DS	4.165"	Std	1/16", 1/16", 3/16"
PS14180DS	4.185"	Std	1/16", 1/16", 3/16"
PS14250DS	4.250"	Std	1/16", 1/16", 3/16"
PS14280DS	4.280"	Std	1/16", 1/16", 3/16"
PS14310DS	4.310"	Std	1/16", 1/16", 3/16"
PS14360DS	4.360"	Std	1/16", 1/16", 3/16"
PS14390DS	4.390"	Std	1/16", 1/16", 3/16"
PS14500DS	4.500"	Std	1/16", 1/16", 3/16"

1/16 - 1/16 - 3/16 Ring Packs

Standard Tension Oil Control - 16-24 lbs. / File Fit

Part#	Bore	Fitment	Ring Pack
PS24000FS	4.000"	File Fit	1/16", 1/16", 3/16"
PS24020FS	4.020"	File Fit	1/16", 1/16", 3/16"
PS24030FS	4.030"	File Fit	1/16", 1/16", 3/16"
PS24040FS	4.040"	File Fit	1/16", 1/16", 3/16"
PS24050FS	4.045"	File Fit	1/16", 1/16", 3/16"
PS24060FS	4.060"	File Fit	1/16", 1/16", 3/16"
PS24070FS	4.070"	File Fit	1/16", 1/16", 3/16"
PS24125FS	4.125"	File Fit	1/16", 1/16", 3/16"
PS24130FS	4.130"	File Fit	1/16", 1/16", 3/16"
PS24140FS	4.135"	File Fit	1/16", 1/16", 3/16"
PS24150FS	4.145"	File Fit	1/16", 1/16", 3/16"
PS24160FS	4.155"	File Fit	1/16", 1/16", 3/16"
PS24170FS	4.165"	File Fit	1/16", 1/16", 3/16"
PS24190FS	4.185"	File Fit	1/16", 1/16", 3/16"
PS24250FS	4.250"	File Fit	1/16", 1/16", 3/16"
PS24280FS	4.280"	File Fit	1/16", 1/16", 3/16"
PS24310FS	4.310"	File Fit	1/16", 1/16", 3/16"
PS24320FS	4.320"	File Fit	1/16", 1/16", 3/16"
PS24350FS	4.350"	File Fit	1/16", 1/16", 3/16"
PS24360FS	4.360"	File Fit	1/16", 1/16", 3/16"
PS24380FS	4.375"	File Fit	1/16", 1/16", 3/16"
PS24385FS	4.380"	File Fit	1/16", 1/16", 3/16"
PS24500FS	4.500"	File Fit	1/16", 1/16", 3/16"
PS24600FS	4.600"	File Fit	1/16", 1/16", 3/16"

All File Fit are +.005" oversize

PBM Power Seal Rings

PBM Power Seal Rings are engineered to achieve maximum horsepower through superior sealing. Our top ring is a ductile iron plasma moly barrel-face, second ring is a reverse twist design for improved drag reduction. Oil ring is a three piece design available with standard tension and low tension.

1.5 - 1.5 - 3.0mm Ring Packs

Standard Tension Oil Control - 11-16 lbs. / File Fit

Part#	Bore	Fitment	Ring Pack
PS34000FS	4.000"	File Fit	1.5, 1.5, 3.0mm
PS34020FS	4.020"	File Fit	1.5, 1.5, 3.0mm
PS34030FS	4.030"	File Fit	1.5, 1.5, 3.0mm
PS34040FS	4.040"	File Fit	1.5, 1.5, 3.0mm
PS34060FS	4.060"	File Fit	1.5, 1.5, 3.0mm
PS34080FS	4.080"	File Fit	1.5, 1.5, 3.0mm
PS34125FS	4.125"	File Fit	1.5, 1.5, 3.0mm
PS34130FS	4.130"	File Fit	1.5, 1.5, 3.0mm
PS34135FS	4.135"	File Fit	1.5, 1.5, 3.0mm
PS34145FS	4.145"	File Fit	1.5, 1.5, 3.0mm
PS34150FS	4.150"	File Fit	1.5, 1.5, 3.0mm
PS34155FS	4.155"	File Fit	1.5, 1.5, 3.0mm
PS34165FS	4.165"	File Fit	1.5, 1.5, 3.0mm
PS34250FS	4.250"	File Fit	1.5, 1.5, 3.0mm
PS34280FS	4.280"	File Fit	1.5, 1.5, 3.0mm
PS34310FS	4.310"	File Fit	1.5, 1.5, 3.0mm
PS34320FS	4.320"	File Fit	1.5, 1.5, 3.0mm
PS34350FS	4.350"	File Fit	1.5, 1.5, 3.0mm
PS34375FS	4.375"	File Fit	1.5, 1.5, 3.0mm
PS34390FS	4.390"	File Fit	1.5, 1.5, 3.0mm
PS34440FS	4.440"	File Fit	1.5, 1.5, 3.0mm
PS34500FS	4.500"	File Fit	1.5, 1.5, 3.0mm
PS34530FS	4.530"	File Fit	1.5, 1.5, 3.0mm
PS34560FS	4.560"	File Fit	1.5, 1.5, 3.0mm
PS34600FS	4.600"	File Fit	1.5, 1.5, 3.0mm

- Lightweight Design
- Reduced Ring Flutter
- Superior Sealing
- Reduced Friction
- Precision Finish
- Precision Tolerances



3.0mm Std. Tension Oil Ring Expanders

Set of 8

Expanders Only, No Rails.

11-16 lbs. Std. Tension

Part#	Bore
PS4030EXP	4.030"
PS4040EXP	4.040"
PS4060EXP	4.060"
PS4125EXP	4.125"
PS4135EXP	4.135"
PS4145EXP	4.145"
PS4155EXP	4.155"
PS4165EXP	4.165"

.043 - .043 - 3.0mm Ring Packs

Low Tension Oil Control - 3-5lbs. / File Fit

Part#	Bore	Fitment	Ring Pack
PS44000FL	4.000"	File Fit	1.1, 1.1, 3.0mm
PS44005FL	4.005"	File Fit	1.1, 1.1, 3.0mm
PS44010FL	4.010"	File Fit	1.1, 1.1, 3.0mm
PS44020FL	4.020"	File Fit	1.1, 1.1, 3.0mm
PS44025FL	4.025"	File Fit	1.1, 1.1, 3.0mm
PS44030FL	4.030"	File Fit	1.1, 1.1, 3.0mm
PS44035FL	4.035"	File Fit	1.1, 1.1, 3.0mm
PS44040FL	4.040"	File Fit	1.1, 1.1, 3.0mm
PS44050FL	4.050"	File Fit	1.1, 1.1, 3.0mm
PS44055FL	4.055"	File Fit	1.1, 1.1, 3.0mm
PS44060FL	4.060"	File Fit	1.1, 1.1, 3.0mm
PS44065FL	4.065"	File Fit	1.1, 1.1, 3.0mm
PS44070FL	4.070"	File Fit	1.1, 1.1, 3.0mm
PS44080FL	4.080"	File Fit	1.1, 1.1, 3.0mm
PS44100FL	4.100"	File Fit	1.1, 1.1, 3.0mm
PS44125FL	4.125"	File Fit	1.1, 1.1, 3.0mm
PS44140FL	4.140"	File Fit	1.1, 1.1, 3.0mm
PS44155FL	4.155"	File Fit	1.1, 1.1, 3.0mm
PS44165FL	4.165"	File Fit	1.1, 1.1, 3.0mm
PS44185FL	4.185"	File Fit	1.1, 1.1, 3.0mm

PBM Oil Rail Supports for 3.0mm Oil Ring Pistons

Part#	Bore
PBM4000RS	4.000" - 4.080"
PBM4125RS	4.125" - 4.185"
PBM4250RS	4.225" - 4.285"
PBM4310RS	4.300" - 4.360"
PBM4500RS	4.500" - 4.560"
PBM4600RS	4.600" - 4.660"

PBM PROSEAL Napier Second Ring Sets

Designed for professional piston applications. Top ring manufactured from ductile iron plasma moly for added strength and hardness delivers superior fatigue resistance. Light ring design and smaller cross-section reduces ring flutter for improved sealing against the bottom of the ring groove. Our ductile rings smaller cross-section and high strength improves the rings ability to conform to cylinder bore distortion present in high rpm engines. Napier second ring reduces drag and improves oil control under high rpm conditions. Top and second rings are file-fit with standard tension oil rings.



Tech Notes

The second ring's job is usually about 80 to 90 percent oil control and 10 to 20 percent sealing. The second compression ring backs up the top compression ring from a sealing standpoint but primarily functions as an oil scraper. A slight taper is applied to the face of the second ring (2 to 4 degrees) so it will scrape oil off the cylinder wall when the piston moves down.

Undercutting the bottom edge of the 2nd ring face to create a groove (hook groove or napier profile) improves the oil scraping ability of the ring even more, especially in naturally aspirated engines. The groove also provides a relief area under the ring face for blow-by gas evacuation. Because of this, a napier style second ring is usually the best choice for oil control.

An important point to note is that the second ring is obviously a directional ring and must be installed with the correct side up, otherwise it will pump oil in the wrong direction and increase oil consumption.

Excerpted from Engine Builder Magazine

1.1 - 1.5 - 3.0mm Napier Second Ring Packs

Standard Tension Oil Control - 11-16 lbs. / File Fit

Part#	Bore	Fitment
PS54130FS	4.125	File Fit Napier 2nd
PS54135FS	4.130	File Fit Napier 2nd
PS54140FS	4.135	File Fit Napier 2nd
PS54145FS	4.140	File Fit Napier 2nd
PS54150FS	4.145	File Fit Napier 2nd
PS54155FS	4.150	File Fit Napier 2nd
PS54160FS	4.155	File Fit Napier 2nd
PS54165FS	4.160	File Fit Napier 2nd
PS54170FS	4.165	File Fit Napier 2nd

1.5 - 1.5 - 3.0mm Napier Second Ring Packs

Standard Tension Oil Control - 11-16 lbs. / File Fit

Part#	Bore	Fitment
PS34000NFS	4.000"	File Fit Napier 2nd
PS34120NFS	4.120"	File Fit Napier 2nd
PS34125NFS	4.125"	File Fit Napier 2nd
PS34130NFS	4.130"	File Fit Napier 2nd
PS34140NFS	4.140"	File Fit Napier 2nd
PS34150NFS	4.150"	File Fit Napier 2nd
PS34155NFS	4.155"	File Fit Napier 2nd
PS34165NFS	4.165"	File Fit Napier 2nd

1/16 - 11/16 - 3/16 Napier Second Ring Packs

Standard Tension Oil Control - 15-20 lbs. / File Fit

Part#	Bore	Fitment
PS24030NFS	4.030"	File Fit Napier 2nd
PS24040NFS	4.040"	File Fit Napier 2nd
PS24050NFS	4.045"	File Fit Napier 2nd
PS24060NFS	4.060"	File Fit Napier 2nd
PS24070NFS	4.070"	File Fit Napier 2nd
PS24100NFS	4.100"	File Fit Napier 2nd
PS24130NFS	4.125"	File Fit Napier 2nd
PS24135NFS	4.130"	File Fit Napier 2nd
PS24140NFS	4.135"	File Fit Napier 2nd
PS24160NFS	4.155"	File Fit Napier 2nd
PS24170NFS	4.165"	File Fit Napier 2nd
PS24190NFS	4.185"	File Fit Napier 2nd
PS24250NFS	4.250"	File Fit Napier 2nd
PS24270NFS	4.270"	File Fit Napier 2nd
PS24280NFS	4.280"	File Fit Napier 2nd
PS24310NFS	4.310"	File Fit Napier 2nd
PS24320NFS	4.320"	File Fit Napier 2nd
PS24350NFS	4.350"	File Fit Napier 2nd
PS24360NFS	4.360"	File Fit Napier 2nd
PS24380NFS	4.375"	File Fit Napier 2nd
PS24390NFS	4.390"	File Fit Napier 2nd
PS24500NFS	4.500"	File Fit Napier 2nd
PS24530NFS	4.530"	File Fit Napier 2nd
PS24560NFS	4.560"	File Fit Napier 2nd
PS24600NFS	4.600"	File Fit Napier 2nd

All File Fit are +.005" oversize

PBM Cast Rotating Assemblies

PBM offers a wide range of rotating assemblies featuring our cast steel crankshafts for all popular combinations. All of our assemblies feature quality components:

Pistons: PBM Power Forged , Federal Mogul, Keith Black, SRP/JE, Wiseco.

Rods: PBM 4340 forged.

Rings: Power Seal, PBM Power Flex, Speed Pro, Total Seal.

Bearings: King, Clevite, Federal Mogul, ACL.

Hundreds of stroke and bore combinations are available, the choice is yours. Please call or visit our website for specific content on listed assemblies. Custom assemblies are our specialty, please inquire. PBM Rotating Assemblies have a proven reputation of quality, durability and performance.



SBC Cast Crank Rotating Assemblies

Part #	Stroke	Bore	Cubic Inch	Rod Length	Rod Type	Piston Type	CR 58cc	CR 64cc	CR 76cc	Piston	Std/ File	Piston Material
35057FC	3.480"	4.030"	355	5.700"	I-BEAM	Flat Top	10.4	9.7	8.6	SPP	Std	Hypereutectic
35057FCL	3.480"	4.030"	355	5.700"	I-BEAM	Flat Top	10.4	9.7	8.6	SPP	Std	Hypereutectic
35060FC	3.480"	4.030"	355	6.000"	I-BEAM	Flat Top	10.4	9.7	8.6	SPP	Std	Hypereutectic
37757FC	3.480"	4.155"	377	5.700"	I-BEAM	Flat Top	11.1	10.3	9.2	SPP	Std	Hypereutectic
37760FC	3.480"	4.155"	377	6.000"	I-BEAM	Flat Top	11.1	10.3	9.2	SPP	Std	Hypereutectic
38357FC	3.750"	4.030"	383	5.700"	I-BEAM	Flat Top	11.1	10.3	9.2	SPP	Std	Hypereutectic
38360FC	3.750"	4.030"	383	6.000"	I-BEAM	Flat Top	11.3	10.5	9.3	SPP	Std	Hypereutectic
40057FC	3.750"	4.155"	406	5.700"	I-BEAM	Flat Top	11.6	10.8	9.6	SPP	Std	Hypereutectic
40060FC	3.750"	4.155"	406	6.000"	I-BEAM	Flat Top	11.9	11.1	9.9	SPP	Std	Hypereutectic

BBC Cast Crank Rotating Assemblies

Part #	Stroke	Bore	Cubic Inch	Rod Length	Rod Type	Piston Type	CR 112cc	CR 118cc	CR 124cc	Piston	Std/ File	Piston Material
45461FC	4.000"	4.280"	460	6.135"	I-BEAM	Flat Top	8.8	7.9	7.6	SPP	Std	Hypereutectic
45461FC-1	4.250"	4.280"	496	6.135"	I-BEAM	Flat Top	10.7	9.5	8.9	SPP	Std	Hypereutectic

SBF Cast Crank Rotating Assemblies

Part #	Stroke	Bore	Cubic Inch	Rod Length	Rod Type	Piston Type	CR 58cc	CR 64cc	CR 70cc	Piston	Std/ File	Piston Material
30250F	3.000"	4.000"	302	5.090"	I-BEAM	Flat Top	8.96	8.60	-	SPP	Std	Cast
30250FH	3.000"	4.000"	302	5.090"	I-BEAM	Flat Top	8.96	8.60	-	SPP	Std	Hypereutectic
33154FH	3.250"	4.030"	331	5.400"	I-BEAM	Flat Top	10.4	9.7	8.6	PBM	File	Forged
33154FI	3.250"	4.030"	331	5.400"	I-BEAM	Dish	10.1	9.2	8.2	KB	Std	Hypereutectic
34754FH	3.400"	4.030"	347	5.400"	I-BEAM	Flat Top	11.5	10.9	10.1	PBM	File	Forged
34754FI	3.400"	4.030"	347	5.400"	I-BEAM	Flat Top	11.1	10.1	8.8	KB	Std	Hypereutectic
35159F	3.850"	4.030"	393	5.956"	H-Beam	Flat Top	12.8	12.1	11.1	PBM	File	Forged
35159FC	3.500"	4.030"	351	5.956"	H-Beam	Flat Top	9.1	8.5	-	SPP	Std	Cast
35159FK	3.850"	4.030"	393	5.956"	H-Beam	Flat Top	12.5	11.9	10.8	KB	Std	Hypereutectic
40862FC	4.000"	4.030"	408	6.200"	H-Beam	Flat Top	12.2	11.4	10.3	SRP	Std	Forged

BBF Cast Crank Rotating Assemblies

Part #	Stroke	Bore	Cubic Inch	Rod Length	Rod Type	Piston Type	CR 74cc	CR 80cc	CR 94cc	Piston	Std/ File	Piston Material
46067F	4.150"	4.390"	512	6.700"	H-Beam	Flat Top	12.5	11.7	10.8	SRP	File	Forged
46068F-1	4.300"	4.390"	524	6.800"	H-Beam	Flat Top	13.4	12.5	11.0	JE	File	Forged
46067F-2	4.500"	4.390"	546	6.700"	H-Beam	Flat Top	13.8	13.0	11.4	JE	File	Forged



ROTATING ASSEMBLIES

PBM Forged Rotating Assemblies

PBM offers a wide range of rotating assemblies from our "Ultimate Billet Series, 4340 Ultralite, 4340 Superlites and Standard Weight Forged Crankshafts." All of our assemblies feature quality components:

Pistons: PBM Power Forged, Mahle, SRP/JE, Wiseco.

Rods: PBM 4340 Forged, Dyers, Oliver.

Rings: PBM Power Seal, PBM Power Flex, Speed Pro, Total Seal.

Bearings: King, Clevite, Federal Mogul, ACL Performance Series.



Hundreds of stroke and bore combinations are available, the choice is yours. Please call for specific content on listed assemblies. Custom assemblies are our specialty, please inquire. PBM Rotating Assemblies have a proven reputation of quality, durability and performance.

SBC Forged Crank Rotating Assemblies

Part #	Stroke	Bore	Cubic Inch	Rod Length	Rod Type	Piston Type	CR 58cc	CR 64cc	CR 76cc	Piston	Std/ File	Piston Material
35057D	3.480"	4.030"	355	5.700"	H-Beam	Dome	14.1	12.7	11.2	PBM	File	Forged
35057F	3.480"	4.030"	355	5.700"	H-Beam	Flat Top	11.1	10.3	9.2	PBM	File	Forged
35060D	3.480"	4.030"	355	6.000"	H-Beam	Dome	14.6	12.9	11.3	PBM	File	Forged
35060F	3.480"	4.030"	355	6.000"	H-Beam	Flat Top	11.1	10.3	9.2	PBM	File	Forged
37757D	3.480"	4.155"	377	5.700"	H-Beam	Dome	14.2	13.1	11.7	SRP	File	Forged
37757F	3.480"	4.155"	377	5.700"	H-Beam	Flat Top	11.6	10.8	9.9	SRP	File	Forged
37760D	3.480"	4.155"	377	6.000"	H-Beam	Dome	14.2	13.1	11.7	PBM	File	Forged
37760F	3.480"	4.155"	377	6.000"	H-Beam	Flat Top	11.6	10.8	9.9	SRP	File	Forged
38357D	3.750"	4.030"	383	5.700"	H-Beam	Dome	14.1	12.9	11.6	SRP	File	Forged
38357F	3.750"	4.030"	383	5.700"	H-Beam	Flat Top	11.8	11.1	10.1	PBM	File	Forged
38360D	3.750"	4.030"	383	6.000"	H-Beam	Dome	14.1	12.9	11.6	PBM	File	Forged
38360F	3.750"	4.030"	383	6.000"	H-Beam	Flat Top	11.8	11.1	10.1	PBM	File	Forged
39560F	3.875"	4.030	395	6.000"	H-Beam	Flat top	12.3	11.4	10.1	PBM	File	Forged
40057D	3.750"	4.155"	406	5.700"	H-Beam	Dome	14.1	12.9	11.6	SRP	File	Forged
40057F	3.750"	4.155"	406	5.700"	H-Beam	Flat Top	12.5	11.6	10.5	PBM	File	Forged
40060D	3.750"	4.155"	406	6.000"	H-Beam	Dome	14.1	12.9	11.6	PBM	File	Forged
40060F	3.750"	4.155"	406	6.000"	H-Beam	Flat Top	12.5	11.6	10.5	PBM	File	Forged
41560D	3.875"	4.125	415	6.000"	H-Beam	Dome	15.4	14.0	12.0	PBM	File	Forged
42160D	3.875"	4.155"	421	6.000"	H-Beam	Dome	14.2	13.2	11.1	JE	File	Forged
42160D-1	3.875"	4.155"	421	6.000"	H-Beam	Dome	15.3	14.1	11.7	JE	File	Forged
42760D	4.000"	4.125	427	6.000	H-Beam	Dome	15.9	15.4	12.4	JE	File	Forged
43460D	4.000"	4.155"	434	6.000"	H-Beam	Dome	14.6	13.5	11.2	PBM	File	Forged
43460D-1	4.000"	4.155"	434	6.000"	H-Beam	Dome	15.7	14.5	12.1	JE	File	Forged
43460F-1	4.000"	4.155"	434	6.000"	H-Beam	Flat Top	13.1	12.2	10.7	PBM	File	Forged
44058D	4.125"	4.125	440	5.850"	I-Beam	Dome	16.3	14.9	12.7	PBM	File	Foged
44058F	4.125"	4.125	440	5.850"	I-Beam	Flat Top	13.4	12.4	10.9	PBM	File	Forged

SBC 18 Degree Piston Forged Crank Rotating Assemblies

Part #	Stroke	Bore	Cubic Inch	Rod Length	Rod Type	Piston Type	CR 52cc	CR 55cc	CR 58cc	Piston	Std/ File	Piston Material
43460D-2	4.000"	4.155"	434	6.000"	H-Beam	Dome	15.8	15.1	14.2	JE	File	Forged
43460F	4.000"	4.155"	434	6.000"	H-Beam	Flat Top	14.1	13.5	12.9	JE	File	Forged
42160D-2	3.875"	4.155"	421	6.000"	H-Beam	Dome	15.4	14.7	14.1	JE	File	Forged
42160F	3.875"	4.155"	421	6.000"	H-Beam	Flat Top	13.6	13.1	12.6	JE	File	Forged

PBM Forged Rotating Assemblies

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LS Forged Crank Rotating Assemblies These Assemblies are designed to use the 6.0L iron block

Part #	Stroke	Bore	Cubic Inch	Rod Length	Rod Type	Piston Type	CR 58cc	CR 64cc	CR 72cc	Piston	Std/ File	Piston Material
38361I	4.000"	3.905"	383	6.000"	H-Beam	Dish	11.0	N/A	N/A	Mahle	File	Forged
40861F	4.000"	4.030"	408	6.125"	H-Beam	Flat Top	N/A	11.7	10.4	Mahle	File	Forged
40861I	4.000"	4.030"	408	6.125"	H-Beam	Dish	N/A	10.7	9.9	Mahle	File	Forged
40861D	4.000"	4.030"	408	6.125"	H-Beam	Dome	N/A	13.2	12.0	JE	File	Forged
42161F	4.125"	4.030"	421	6.125"	H-Beam	Flat Top	N/A	12.6	11.8	Wisco	File	Forged
42161I	4.125"	4.030"	421	6.125"	H-Beam	Dish	N/A	10.7	9.9	Wisco	File	Forged

BBC Forged Crank Rotating Assemblies

Part #	Stroke	Bore	Cubic Inch	Rod Length	Rod Type	Piston Type	CR 112cc	CR 118cc	CR 124cc	Piston	Std/ File	Piston Material
45461D	4.000"	4.280"	460	6.135"	H-Beam	Dome	13.7	12.8	11.9	SRP	File	Forged
45461D-1	4.250"	4.280"	496	6.135"	H-Beam	Dome	13.8	12.9	12.1	SRP	File	Forged
45461F	4.000"	4.280"	460	6.135"	H-Beam	Flat Top	8.4	8.2	7.9	SRP	File	Forged
45461F-1	4.250"	4.280"	496	6.135"	H-Beam	Flat Top	9.1	8.7	8.3	SRP	File	Forged
45463D	4.000"	4.280"	460	6.385"	H-Beam	Dome	13.7	12.8	11.9	SRP	File	Forged
45463D-1	4.250"	4.280"	496	6.385"	H-Beam	Dome	13.8	12.7	11.8	SRP	File	Forged
45463F	4.000"	4.280"	460	6.385"	H-Beam	Flat Top	8.4	8.2	7.9	SRP	File	Forged
45463F-1	4.250"	4.280"	496	6.385"	H-Beam	Flat Top	9.1	8.7	8.3	SRP	File	Forged
54063D	4.250"	4.500"	540	6.385"	H-Beam	Dome ^{10cc}	10.9	10.4	9.9	SRP	File	Forged
54063D-1	4.250"	4.500"	540	6.385"	H-Beam	Dome ^{36cc}	13.8	13.0	12.3	SRP	File	Forged
54063F	4.250"	4.500"	540	6.385"	H-Beam	Flat Top	9.8	9.4	9.1	SRP	File	Forged
55563D	4.250"	4.560"	555	6.385"	H-Beam	Dome	13.4	12.7	12.0	SRP	File	Forged
55563F	4.250"	4.560"	555	6.385"	H-Beam	Flat Top	10.0	9.5	9.1	SRP	File	Forged
56563D	4.250"	4.600"	565	6.385"	H-Beam	Dome	13.6	12.9	12.2	SRP	File	Forged
58065F	4.500"	4.530"	580	6.535"	H-Beam	Flat top	10.3	9.9	9.5	SRP	File	Forged
58065D	4.500"	4.530"	580	6.535"	H-Beam	Dome	15.1	14.2	13.3	SRP	File	Forged
59865D	4.500"	4.600"	598	6.535"	H-Beam	Dome	15.3	14.4	13.6	SRP	File	Forged
63267D	4.750"	4.600"	632	6.700"	H-Beam	Dome	16.3	15.3	14.4	JE	File	Forged
63267F	4.750"	4.600"	632	6.700"	H-Beam	Flat Top	11.1	10.7	10.3	JE	File	Forged

BB Chrysler Forged Crank Rotating Assemblies

Part #	Stroke	Bore	Cubic Inch	Rod Length	Rod Type	Piston Type	CR 72cc	CR 80cc	CR 84cc	Piston	Std/ File	Piston Material
40067F	3.750"	4.375"	451	6.768"	H-Beam	Flat top	11.4	10.5	10.1	SRP	File	Forged
44067F	4.150"	4.350"	493	6.768"	H-Beam	Flat top	12.4	11.5	11.1	SRP	File	Forged
44068F	3.750"	4.350"	445	6.768"	H-Beam	Flat top	11.4	10.5	10.1	SRP	File	Forged

SBF Forged Crank Rotating Assemblies

Part #	Stroke	Bore	Cubic Inch	Rod Length	Rod Type	Piston Type	CR 58cc	CR 64cc	CR 70cc	Piston	Std/ File	Piston Material
33154FHS	3.250"	4.030"	331	5.400"	H-Beam	Flat Top	10.4	9.7	8.6	PBM	File	Forged
34754FHS	3.400"	4.030"	347	5.400"	H-Beam	Flat Top	11.5	10.9	10.1	PBM	File	Forged
38362FF	3.750"	4.030"	383	6.250"	H-Beam	Flat Top	11.9	11.1	9.8	SRP	File	Forged
39362FF	3.850"	4.030"	393	6.200"	H-Beam	Flat Top	12.2	11.3	10.1	SRP	File	Forged
40862FF	4.000"	4.030"	408	6.200"	H-Beam	Flat Top	12.6	11.7	10.4	SRP	File	Forged
41861FF	4.100"	4.030"	418	6.125"	H-Beam	Flat Top	12.9	12.1	10.8	SRP	File	Forged
41862FF	4.100"	4.030"	418	6.200"	H-Beam	Flat Top	12.9	12.1	10.8	SRP	File	Forged
42762FF	4.000"	4.125"	427	6.250"	H-Beam	Flat Top	13.0	12.1	11.3	SRP	File	Forged
43862FF	4.100"	4.125"	438	6.200"	H-Beam	Flat Top	13.3	12.3	11.6	SRP	File	Forged



HARMONIC BALANCERS

PBM Harmonic Balancers

Reduce engine vibration and parasitic power loss with PBM harmonic balancers. We have the harmonic balancer you need for your particular engine application.

PBM Claimer Series Balancers are ideal for Claimer engines and street use. These affordable new balancers are a great way to prevent damage to your engine which re-using old balancers can cause. High quality, precision fit for trouble free operation.

Claimer Series Balancers



Part#	Application	A	B	C	Weight
PB2221N	SBC 7" Neutral	6.75	2.36	1.32	7.1
PB1012N	SBC 6" Neutral	6.10	2.36	1.32	4.6
PB1018N	BBC 8" External	8.00	2.68	1.95	14.3
PB1211N	BBC 8" Neutral	8.00	2.68	1.95	12.9
PB1046N	SBC 8" Neutral	8.00	2.33	1.60	10.4
PB1050N	SBC 8" External	8.00	2.33	1.60	11.5
PB1009N	SBF 3 bolt 28 oz external	6.50	3.18	1.39	9.1
PB1084N	SBF 302 EFI 4 bolt 50 oz external	6.40	4.13	1.57	9.1

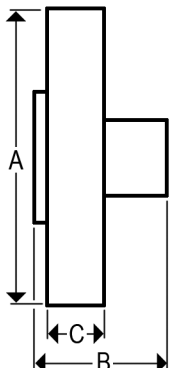
PBM ST Series Balancers are ideal for restricted racing applications where lightweight components are critical. Affordability makes the ST Series the ideal choice for street performance. State of the art bonding process eliminates spinning of the inertia ring and separation of the dampening material. Every ST Powerbond Balancer is covered by a two year UNLIMITED miles warranty for street use.

ST Series Balancers - Internal Balance



Part#	Application	A	B	C	Weight
PB1004ST	SB Chrysler 318-340	7.11	2.56	1.20	7.7
PB1112ST	BB Chrysler 440	7.24	2.56	1.20	7.7
PB1012ST	SB Chevrolet 6 1/4" Lightweight	6.10	2.36	1.32	4.6
PB2221ST	SB Chevrolet 7"	6.75	2.36	1.32	7.1
PB1046ST	SB Chevrolet 8"	8.00	2.33	1.60	10.4
PB1211ST	BB Chevrolet 8"	8.00	2.68	1.95	12.9
PB1480ST	Chevrolet LS1 (Camaro/Firebird)	7.50	2.25	1.37	10.5
PB1481ST	Chevrolet LT1 1993-97 Flange Sty	7.50	N/A	1.28	8.89
FHL1481SS	Chevrolet LT1 Crank Flange (Caprice/Impala)				
FHS1481SS	Chevrolet LT1 Crank Flange (Camaro/Corvette)				
PB1478ST	Ford 4.6L (Mustang/Crown Vic)	6.75	1.75	1.25	6.80
PB1116ST	Ford 5.4L (Mustang/F-SeriesTrk)	7.05	2.32	1.83	9.03
PB1210ST	Ford 460 BB (Internal Balance)	6.62	1.62	1.37	8.32

ST Series Balancers - External Balance



Part#	Application	A	B	C	Weight
PB1108ST	Chrysler 360 W C/W	7.26	2.56	1.20	7.7
PB1050ST	SB Chevrolet 400 8"	8.00	2.33	1.60	10.5
PB1018ST	BB Chevrolet 8" (External)	8.00	2.68	1.95	14.3
PB1060ST	Ford 302-351W (4 bolt 28 oz)	6.50	4.09	1.25	10.1
PB1203ST	Ford 302-351W (3 bolt 28 oz)	6.50	3.18	1.39	9.2
PB1084ST	Ford 302 EFI (4 bolt 50 oz)	6.40	4.13	1.57	9.1
PB1214ST	Ford 351W EFI (4 bolt)	6.40	4.08	1.20	9.2

PBM Harmonic Balancers

PBM SS Series Balancers bring the advantages of bonded balancers to high revving race and street/race applications where an SFI approved balancer is required. Every "SS" Series balancer features a precision CNC machined AUSI 1045 forged steel hub bonded to an equally strong forged steel inertia ring. Each balancer has easy to read computer etched timing marks.

- SFI approved 18.1
- Controls destructive crankshaft vibration
- Extends crankshaft & bearing life
- 1045 steel center inertia ring for maximum strength & durability
- Increases torque & horsepower
- Easy-to-read computer etched timing marks
- Precision CNC machined

SS Series Balancers - Internal Balance

Part#	Application	A	B	C	Weight
PB1004SS	Chrysler SB 318-340	7.11	2.56	1.20	9.40
PB1112SS	Chrysler BB 440	7.24	2.56	1.20	9.40
PB1012SS	Chevrolet SB 6 1/4" Lightweight	6.10	2.36	1.32	5.50
PB2221SS	Chevrolet SB 7"	6.75	2.36	1.32	8.10
PB1046SS	Chevrolet SB 8"	8.00	2.33	1.60	11.20
PB1160SS	SBC 6 1/4" Internal w/BBC snout	6.10	2.36	1.34	8.50
PB1161SS	SBC 7" Internal w/BBC snout	6.75	2.36	1.32	8.10
PB1480SS	Chevrolet LS1 (Camaro/Firebird)	7.50	2.25	1.37	11.20
PBU1480SS	Chevrolet LS1 C&F 10% underdrive	6.75	2.25	1.37	9.90
PBU1117SS	Chevrolet LS1, LS6 Corvette 10% under	6.75	2.83	2.42	7.60
PBU1480SS25	Chevrolet LS1, LS6 Corvette 25% under	6.75	2.83	2.42	7.60
PB1481SS	Chevrolet LT1 1993-97 Flange Style	7.50	N/A	1.28	9.25
PBU1481SS	Chevrolet LT1 1993-97 F/S 10%UD	6.75	N/A	1.28	8.37
FHL1481SS	Chevrolet LT1 Crank Flange (Caprice/Impala)				
FHS1481SS	Chevrolet LT1 Crank Flange (Camaro/Corvette)				
PB1211SS	Chevrolet BB(Neutral)	8.00	2.68	1.95	15.40
PB1019SS	Chevrolet BB (7" lightweight)	7.00	2.68	1.50	9.00
PB1086SS	Ford 302-351W Lightweight 4b	6.37	4.13	1.57	8.00
PB1478SS	Ford 4.6L (Mustang/Crown Vic)	6.75	1.75	1.25	7.80
PB1210SS	Ford 460 BB (Internal Balance)	6.62	1.62	1.37	9.60



SS Series Balancers - External Balance

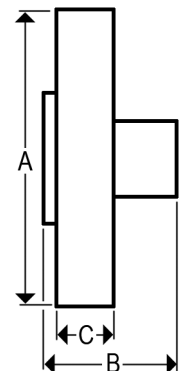
Part#	Application	A	B	C	Weight
PB1108SS	Chrysler 360 W/CW	7.26	2.56	1.20	9.4
PB1050SS	Chevrolet SB 400 8"	8.00	2.33	1.60	10.6
PB1118SS	Chevrolet SB 400 7"	7.00	2.33	1.60	7.8
PB1018SS	Chevrolet BB (External)	8.00	2.68	1.95	15.9
PB1060SS	Ford 302-351W (4 bolt 28 oz)	6.50	4.09	1.25	11.4
PB1203SS	Ford 302-351W (3 bolt 28 oz)	6.50	3.18	1.39	10.9
PB1084SS	Ford 302 EFI (4 bolt 50 oz)	6.40	4.13	1.57	10.9

Billet Timing Pointers

Part#	Application
641	SBC 6.250" balancer
642	SBC 7.250" balancer
643	SBC 8" balancer
644	BBC 6.250" balancer
645	BBC 7.250" balancer
646	BBC 8" balancer
649	Ford 5/16" bolt, 10:00 position, C key
650	Ford 5/16" bolt, 11:00 position, B key
651	Ford 3/8" bolt, 10:00 position, C key
652	Ford 3/8" bolt, 11:00 position, B key
917*	SBC adjustable timing tab, chrome 7" balancer
918*	BBC adjustable timing tab, chrome 8" balancer

*Stamped Steel

- CNC machined Billet stock
- 12 Degree adjustability
- Perfect fit and alignment



World Products Iron Cylinder Heads & Assemblies

World Products Cylinder heads are designed specifically for racing and high performance engines. They are loaded with performance and durability enhancing features which make them far superior to OE castings. World heads are made in the USA, cast from special high density cast iron for increased strength and precision machined on dedicated CNC machining centers. World Products cylinder heads are available bare or assembled with premium quality valves, springs and components to simplify your engine building.

- Fully assembled ready to bolt on
- Stainless steel intake and exhaust valves
- Performance valve springs
- New retainers, valve locks and seals
- Extra thick deck surface
- Accepts screw-in rocker arm studs
- Fully machined valve cover rails
- Accepts all accessories
- 5 angle valve job/radius exhaust
- Integral valve guides
- Improved port design with larger valve options
- Increased airflow with improved combustion chamber



Small Block Chevy

Part#	Description	Chamber
S/R 170cc		
WPI043600	1.94 x 1.500 11/32	76 early - Bare
WPI043600-1	1.94 x 1.500 11/32	76 early
WPI043610	1.94 x 1.500 11/32	67 early - Bare
WPI043610-1	1.94 x 1.500 11/32	67 early
S/R Torquer 170cc		
WPI042660*	2.02 x 1.600 11/32	67 early - Bare
WPI042660-1*	2.02 x 1.600 11/32	67 early
WPI042670*	2.02 x 1.600 11/32	76 early - Bare
WPI042670-1*	2.02 x 1.600 11/32	76 early
Sportsman 200cc		
WPI011150	2.02 x 1.600 11/32	64cc angle plug - Bare
WPI011150-1	2.02 x 1.600 11/32	64cc angle plug
WPI011250	2.02 x 1.600 11/32	64cc straight plug - Bare
WPI011250-1	2.02 x 1.600 11/32	64cc straight plug
Motown 220cc		
WPI014150	2.08 x 1.600 11/32	64cc angle plug - Bare
WPI014150-1	2.08 x 1.600 11/32	64cc angle plug
WPI014250	2.08 x 1.600 11/32	64cc straight plug - Bare
WPI014250-1	2.08 x 1.600 11/32	64cc straight plug
* Denotes heads are machined for guide plates		
-1 Assemblies with 1.250" valve springs for hyd flat tappet cam		
-2 Assemblies with 1.437" valve springs for hyd roller cam		
-3 Assemblies with 1.550" valve springs for solid roller cam		

Big Block Chevy

Part#	Description	Chamber
Merlin Oval Port 269cc		
WPI030040	2.30 x 1.880 11/32	119 - Bare
WPI030040-1	2.30 x 1.880 11/32	119
WPI030040-2	2.30 x 1.880 11/32	119
Merlin Rect Port 320cc		
WPI030620	2.30 x 1.880 11/32	119 - Bare
WPI030620-1	2.30 x 1.880 11/32	119
WPI030620-2	2.30 x 1.880 11/32	119
WPI030620-3	2.30 x 1.880 11/32	119
Merlin Rect Port 345cc		
WPI030630	2.30 x 1.880 11/32	119 - Bare
WPI030630-1	2.30 x 1.880 11/32	119
WPI030630-2	2.30 x 1.880 11/32	119
WPI030630-3	2.30 x 1.880 11/32	119
-1 Assemblies with 1.480" valve springs for hyd flat tappet cam		
-2 Assemblies with 1.460" valve springs for hyd roller cam		
-3 Assemblies with 1.550" valve springs for solid roller cam		



World Products Iron Cylinder Heads & Assemblies

World Products cylinder heads are available bare or assembled with premium quality valves, springs and components to simplify your engine building.



Small Block Ford

Part#	Description	Chamber
Windsor Jr 180cc		
WPI053030	1.94 x 1.500 11/32	58 - Bare
WPI053030-1	1.94 x 1.500 11/32	58
WPI053030-2	1.94 x 1.500 11/32	58
WPI053030-3	1.94 x 1.500 11/32	58
Windsor Sr 200cc		
WPI053040	2.02 x 1.500 11/32	64 - Bare
WPI053040-1	2.02 x 1.500 11/32	64
WPI053040-2	2.02 x 1.500 11/32	64
WPI053040-3	2.02 x 1.500 11/32	64

-1 Assemblies with 1.250" valve springs for hyd flat tappet cam
 -2 Assemblies with 1.437" valve springs for hyd roller cam
 -3 Assemblies with 1.550" valve springs for solid roller cam



PBM Strike Force Aluminum Cylinder Heads

PBM Aluminum "Strike Force" cylinder heads accept all standard components, they have hardened intake and exhaust seats, Manganese bronze valve guides and extra thick decks.



Strike Force Aluminum

Part#	Intk Port	Valves	Chamber	Plugs
SBC 200cc				
C1982363	200cc	2.020 x 1.600	64cc - Bare	Angle Plug
C1982363ST	200cc	2.020 x 1.600	64cc - Bare	Straight Plug
BBC 305cc & 320cc				
C3050119	305cc Oval	2.250 x 1.880	119cc - Bare	
C3200115	320cc Rect	2.250 x 1.880	119cc - Bare	
SBF 175cc & 210cc				
F2002360	175cc	2.020 x 1.600	62cc - Bare	
F2002360	210cc	2.055 x 1.600	62cc - Bare	



PBM Profiler Aluminum Cylinder Heads



The new PBM Profiler small block Chevy cylinder heads are available in 185cc, 195cc and 210cc angle or straight plug and feature As Cast technology giving ported head flow numbers at an as cast price. Also available fully CNC ported with 235cc intake ports. These heads have high quality seats and bronze guides and use standard SBC valve train parts. Ready to assemble, PBM Profiler heads are quality at a price that sells.

Small Block Chevy

Part #	Description			
PBM176-18-03	185cc	2.020/1.600	64cc Chamber	Angle Plug
PBM176-18P-03	185cc	2.020/1.600	64cc Chamber	Straight Plug
PBM176-19-03	195cc	2.020/1.600	64cc Chamber	Angle Plug
PBM176-21-13	210cc	2.055/1.600	64cc Chamber	Angle Plug
PBM176-19P-03	195cc	2.020/1.600	64cc Chamber	Straight Plug
PBM176-21P-13	210cc	2.055/1.600	64cc Chamber	Straight Plug
PBM176-1972-03	195cc	2.020/1.600	72cc Chamber	Angle Plug
PBM176-2172-13	210cc	2.055/1.600	72cc Chamber	Angle Plug
PBM176-1972P-03	195cc	2.020/1.600	72cc Chamber	Straight Plug
PBM176-2172P-13	210cc	2.055/1.600	72cc Chamber	Straight Plug
PBM176-X-23-03	235cc	2.125/1.600	68cc Chamber	Angle Plug - CNC Ported



PBM Profiler big block Chevy Cylinder heads are available in 24 degree and 12 degree intake valve angles. As Cast form or as a fully CNC ported head. These heads have high quality seats and bronze guides. the 24 degree heads are available in 290cc and 320cc in an as cast form with a CNC ported chamber also available is a 355cc and 375cc fully CNC ported version. the 12 degree heads are available in 410cc and 470cc as cast form. These heads are some of the best heads on the market.

Big Block Chevy

Part #	Description			
PBM174-29-13	24 degree	290cc	2.250/1.880	119cc CNC Chamber
PBM174-32-03	24 degree	320cc	2.300/1.880	119cc CNC Chamber
PBM174-x-29-13	24 degree	290cc	2.250/1.880	119cc As Cast Chamber
PBM174-x-32-03	24 degree	320cc	2.300/1.880	119cc As Cast Chamber
PBM174-x-C35-03	24 degree	355cc	2.300/1.880	119cc Chamber - Sniper CNC Ported
PBM174-x-C37-03	24 degree	375cc	2.350/1.850	119cc Chamber - Sniper CNC Ported
PBM184-02-5	12 degree	470cc	As Cast	No V.J. 5/16
PBM184-02-11	12 degree	470cc	As cast	No V.J. 11/32
PBM184-03-11	12 degree	470cc	As Cast	No V.J. 11/32
PBM184-03-5	12 degree	470cc	2.400/1.880	62cc Chamber
PBM174-37-03	24 degree	365cc	2.350/1.850	119cc Chamber - As Cast
PBM174-X-C35-03-V45	24 degree	365cc	2.350/1.850	119cc Chamber 45 deg seats - As Cast
PBM224-XL-C43-03	24 degree	430cc	2.400/1.850	119cc Chamber - CNC Ported

Small Block Ford

Part #	Description			
PBM222-20-03	205cc	2.050/1.600	63cc Chamber	CNC Chamber

Part #	Intake Lift & Airflow						Exhaust Lift & Airflow					
	.200	.300	.400	.600	.700	.800	.200	.300	.400	.600	.700	800
176-X-23-03	153	225	280	325	335	337	110	145	180	213	216	219
174-29-13	148	213	276	327	338	350	129	162	198	250	261	264
174-32-03	164	228	288	379	395	395	129	162	198	250	261	264
174-X-C37-03	153	239	300	410	445	465	137	182	226	298	306	310
184-03-5	160	238	314	431	458	482	139	188	229	305	315	321

PBM Profiler Aluminum Intake Manifolds

The **SNIPER BBC** Intake Manifold Series is designed with the perfect runner to plenum volume to maximize the power and acceleration curves of your engine. The SNIPER Series features cast injection bosses, 4500 series carburetor flange, four corner water bosses and your choice of oval or rectangle port opening. For a combination that is unbeatable, pair the SNIPER Cylinder Head with a SNIPER Manifold and watch your competition be blown away!

The Pro-Filer Spread Port **HITMAN** Series of intake manifolds have transformed the market forever. Each manifold is designed to take your power curve to higher levels without costly hand porting, a perfect match to our HITMAN Spread Port Big Block Chevy Cylinder Heads for bolt on big power! Our Ultimate Single Plane is ready to break barriers with its revolutionary design and performance. Also fits other brands of spread port heads (18°, 14°, 12°).

Pro-Filer **Tunnel Ram** manifolds feature your choice of dual or single carb top plate and the **ULTIMATE** Single Plane. Each manifold is designed to take your power curve to higher levels without costly hand porting. They are truly revolutionary! Our tunnel ram design is lighter weight than most fabricated units and the solid cast design helps to reduce resonance, which effects high RPM horsepower. The cast, pre-ported runners have been designed to eliminate airflow restriction and produce more power. The dimensional consistency is far better than fabrication



Part#	Description
PBM 206-JR-9	SNIPER JR 9.800 deck fits Profiler 290/320 heads
PBM 206-JR-9RP	SNIPER JR 9.800 deck fits Profiler Sniper X heads
PBM 206-JR-9D	SNIPER JR 9.800 deck fits Dart rec.port heads
PBM 206-JR-9R	SNIPER JR 9.800 deck must be port matched
PBM 206-JR-10	SNIPER JR 10.200 deck fits Profiler 290/320 heads
PBM 206-JR-10RP	SNIPER JR 10.200 deck fits Sniper X heads
PBM 206-JR-10D	SNIPER JR 10.200 deck fits Dart rec.port heads
PBM 206-JR-10R	SNIPER JR 10.200 deck must be port matched
PBM 206- 9	SNIPER 9.800 deck fits Profiler 290/320 heads
PBM 206-9RP	SNIPER 9.800 deck fits Profiler Sniper X heads
PBM 206-9D	SNIPER 9.800 deck fits Dart rec.port heads
PBM 206-9R	SNIPER 9.800 deck must be port matched
PBM 206-10	SNIPER 10.200 deck fits Profiler 290/320 heads
PBM 206-10RP	SNIPER 10.200 deck fits Profiler Sniper X heads
PBM 206-10D	SNIPER 10.200 deck fits Dart rec.port heads
PBM 206-10R	SNIPER 10.200 deck must be port matched
PBM 216-9	SNIPER Tunnel Ram "Port to Match" 9.800 DECK
PBM 216-10	SNIPER Tunnel Ram "Port to Match" 10.200 DECK
PBM 187-9	HITMAN Tunnel Ram 4500 9.800 Deck
PBM 187-10	HITMAN Tunnel Ram 4500 10.200 Deck
PBM 208-9	HITMAN 9.800 Deck fits PROFILER 12 DEG
PBM 208-10	HITMAN 10.200 Deck fits PROFILER 12 DEG
PBM 189	Top Plate Dual Carb
PBM 230	SBC 4150 Flange



PBM TOP END POWER KITS

PBM Top End Kits contain virtually everything you need to bring a stock engine or crate motor to life. Our quality components are selected to work optimally together and produce reliable power.



Part # KIT30SR

SBC Iron Head Power Kit - World S/R Torquer Heads

- 1 pr 042660 World "S/R Torquer" Iron Cylinder Heads
- 501S Stamped Steel Retainers
- OS450 Umbrella Seals
- 5180 3/8 Rocker Studs
- 135-16 1.5 Long Slot Rocker Arms
- 5009 Head Bolt Kit
- 11205 Intake Gaskets
- PPR52001 Cyclone Satin Manifold
- 700 Timing Set
- 817 Set of Lifters
- 1601-8 7.800" 5/16 Pushrods
- 3000 Hydraulic Valve Springs
- 205 11/32 Locks
- 601 Guideplate 5/16 flat
- 2105 2.020 Intake Valves
- 2003 1.600 Exhaust Valves
- 260-1000 Full Gasket Set
- 743C Logo Chrome Valve Covers
- ARP134-2001 Intake Manifold Bolt Kit
- 007-3 Cam Lock Kit
- E110026 Performance Camshaft

Part # C19823STEK

SBC Aluminum Head Power Kit - PBM Strike Force Heads

- 1 pr C1982363ST "Strike Force" Aluminum Heads
- 501S Stamped Steel Retainers
- 2675 I.D. Type Spring Cups
- 601 Guideplate 5/16 flat
- 2106 2.020 +100 Intake Valves
- 2004 1.600 +100 Exhaust Valves
- 260-1000 Full Gasket Set
- 742C Logo Chrome Valve Covers
- ARP134-2001 Intake Manifold Bolt Kit
- 007-3 Cam Lock Kit
- E110032 Performance Camshaft
- 3000 Hydraulic Valve Springs
- 205 11/32 Locks
- 5301132 Single Viton Seals
- 5180 3/8 Rocker Studs
- 1602-8 7.900" 5/16 +.100 Pushrods
- 5009 Head Bolt Kit
- 11205 Intake Gaskets
- PPR52026 Crosswind Int Manifold
- 700 Timing Set
- 817 Set of Lifters
- 100-16 3/8" 1.5:1 Aluminum Rocker Arms

Part # F20023TEK

SB Ford 302 Aluminum Head Power Kit - PBM Strike Force Heads

- 1 pr F2002360 "Strike Force" Aluminum Heads
- 501S Stamped Steel Retainers
- 2106 2.02 +100 Intake Valves
- 2004 1.60 +100 Exhaust Valves
- 603 SBF Guideplates
- 1621-8 6.876" SBF 302 69-85 Pushrods
- HA900 Lifters T0007
- FEL 260-1125 Full Gasket Set
- PPR54001 SBF Dual Plane Satin Manifold
- 734C SBF 289-351W Chrome Valve Covers
- 3200 Valve Springs
- 205 11/32 Locks
- 2675 I.D. Type Spring Cups
- 5301132 Single Viton Seals
- 5180 3/8 Rocker Studs
- 702 SBF Timing Set
- E210036 Performance Camshaft
- 106-16 SBF 3/8" 1.6 Alum Rocker Arms
- ARP154-2001 Intake Bolts
- ARP154-3605 Head Bolts

Fel-Pro Bulk Gaskets

When today's engines experience sealing issues or are "opened up" for other repairs, it takes specialized knowledge and the latest gasket technologies to assure a trouble-free seal. Fel-Pro® — the leading brand of replacement sealing products for cars, light trucks, and medium- and heavy-duty trucks — gives you the application-specific technologies you need for a reliable seal on any number of engine surfaces.

Fel-Pro Engine Repair gaskets are available in the combinations you need for the job at hand.

Fel-Pro bulk gaskets are sold by the piece and are not packaged.

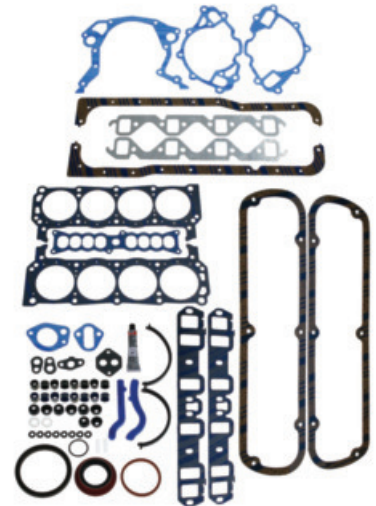
Fel-Pro Bulk Head Gaskets

Part #	App.	Combustion seal	Materials	Bore	Thick	Vol.
FELP1003	SBC	Pre-flattened steel wire	Steel core laminate	4.166	.041	9.1cc
FELP1004	SBC	Pre-flattened steel wire	Steel core laminate	4.190	.041	9.2cc
FELP1010	SBC	Pre-flattened copper wire	Steel core laminate	4.166	.039	8.9cc
FELP1017-1	BBC	Pre-flattened steel wire	Steel core laminate	4.540	.039	10.5cc
FELP1034	SBC	Pre-flattened steel wire	Steel core laminate	4.200	.041	9.3cc
FELP1044	SBC	Pre-flattened steel wire	Steel core laminate	4.200	.051	11.2cc
FELP1057	BBC	Pre-flattened steel wire	Steel core laminate	4.630	.039	11.3cc
FELP1142	SBC	MLS bore bead	Multi-layer steel	4.100	.041	9.0cc
FELP1143	SBC	MLS bore bead	Multi-layer steel	4.165	.041	9.2cc
FELP1144	SBC	MLS bore bead	Multi-layer steel	4.200	.041	9.3cc
FELP1144-053	SBC	MLS bore bead	Multi-layer steel	4.200	.053	12.0cc
FELP1156-2	SBF	Pre-flattened steel wire	Steel core laminate	4.100	.039	8.5cc

Fel-Pro Bulk Intake Gaskets

Part#	App.	Material	Port Dim.	Thick
FELP1204	SBC	Embossed steel laminate	1.230 x 1.990	.060
FELP1205	SBC	Composite w/Printoseal	1.280 x 2.090	.060
FELP1206	SBC	Composite w/Printoseal	1.310 x 2.210	.060
FELP1206S3	SBC	Steel core laminate	1.310 x 2.210	.065
FELP1275	BBC	Composite w/coating	1.820 x 2.540	.060

FEL-PRO
THE GASKETS PROFESSIONALS TRUST™



Other Fel-Pro Bulk Gaskets

Part#	Description
FELP1604	SBC valve cover gasket cork-rubber w/steel core .312 thick
FELP1628	SBC valve cover gasket silicone molded rubber w/steel core .250 thick
FELP1821	SBC stroker pan gasket rubber coated fiber w/steel core .094 thick
FELP1900	4150 Holley carb. gasket open
FELP1901	4150 Holley carb. gasket 4 hole
FELP2900	SBC 350 rear main seal
FELP2904	BBC rear main seal
FELP2909	SBC line bored 400 chevy rear main seal 2.8415 housing bore
FELP2912	SBC 350 rear main seal high vacuum
FELP2918	BBC Rear main seal high vacuum
FELP30060	BBC water pump gaskets
FELP45060	BBC front cover gasket
FELPT5124	SBC front cover gasket
FELP5152	SBC water pump gasket
FELPB90093	SBF front cover gaske
SSP74241	SBC 350 Timing Cover Seal

High Temperature One-Piece Silicone Gaskets



- One-piece design for superior sealing with no leaks
- Torque limiters to prevent overtightening
- Made to withstand high operating temperatures
- Designed to be used with high vacuum or pressure applications
- High temperature silicone gaskets with steel core centers

Valve Cover Gaskets

Part#	Application	Description
77308	SB Chevy	High temp silicone w/steel core 1 piece .340" thick
77640	BB Chevy	High temp silicone w/steel core 1 piece
77309	SB Chevy	High temp silicone w/steel core 1 piece .200 thick
77474	SB Ford	High temp silicone w/steel core 1 piece

Oil Pan Gaskets

Part#	Application	Description
92636	SB Chevy	Hi-temp silicone w/steel core 1 piece
92637	BB Chevy	Hi-temp silicone w/steel core 1 piece
92638	SB Ford	Hi-temp silicone w/steel core 1 piece

PBM Oil Pumps & Pickups



PBM Oil Pump w/Pickup

Part#	Description
20301	SBC Pump w/ Pickup for 7" oil pans
20301-1	SBC Pump w/ Pickup for 7 1/2" oil pans



Oil Pan Pickups

Part#	Description
711	Pickup for 710 oil pan
716	Standard pickup for 714, 715 Also 718P pan-standard pump
717	Hi volume pickup for 714, 715 Also 718P pan with hi volume pump
972	Oil pump pickup fits oil pan 975C, 976P
973	Oil pickup for 978C, fits standard volume pump
20321	Oil Pickup for 7" Pans

PBM Oil Pans

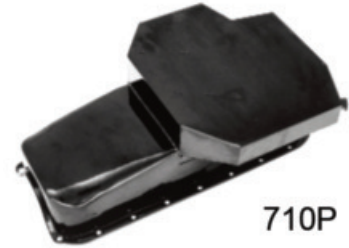
Small Block Chevy Steel Oil Pans

Part#	Description
11000M	8 qt 7" Wet Sump Oil Pan, Designed for Left Turn Applications Fully Baffled for Superior Oil Control & Increased HP, Steel (use 20321 pickup)
11000M-RHDS	With Right Hand Dipstick



11000M

Part#	Description
710	7 qt Circle Track Oil Pan w/6 Trap Doors, Driver-Side Dipstick
714P	6 qt Circle Track Pre-1980 Kick-Out Sump, Baffled, Painted (use PBM716 or PBM717 pickup)
714Z	6 qt Circle Track Pre-1980 Kick-Out Sump, Baffled, Zinc-Coated (use PBM716 or PBM717 pickup)
715Z	6 qt Circle Track 1980-84 Kick-Out Sump, Baffled, Zinc-Coated (use PBM716 or PBM717 pickup)
718P	4 qt Claimer Pre-1980 Painted (use PBM716 or PBM717 pickup)
721	7 qt Circle Track Pan w/ 6 Trap Doors - 86-up
975C	7 qt Street/Strip Pre-1980 Chrome 8 1/4" (use PBM972 pickup)
976P	7 qt Street/Strip 1965-1979 Painted 8 1/4"(use PBM972 pickup)
977P	7 qt Street/Strip Pan 8 1/4" 86-Up



710P

Small Block Chevy Aluminum Oil Pans

Part#	Description
842A	Polished Aluminum Oil Pan, Driver-Side Dipstick
843A	Polished Aluminum Oil Pan, Passenger-Side Dipstick, 2 Piece Rear Main Seal
844A	Polished Aluminum Oil Pan, Passenger-Side Dipstick, 1 Piece Rear Main Seal



975C

Big Block Chevy Steel Oil Pans

Part#	Description
978C	6 qt Oil Pan 1965-1992 Chrome 8 1/4" (use PBM973 pickup)
978P	6 qt Oil Pan 1965-1992 Painted 8 1/4" (use PBM973 pickup)



842A

Stock Steel Oil Pans

OEM Stock Replacement Tin. Save money and time fixing damaged oil pans by buying PBM OEM replacement tin.

Part#	Description
9005	Driver-Side Dipstick Unpainted
9005C	Driver-Side Dipstick Chrome
9029	Passenger-Side Dipstick
9078	65-87 302 Pass. Car
9414	1985-up Passenger-Side Dipstick
9294	65-90 Chevy Car BBC
9532	69-91 351w Pass.



9005C

PBM Valve Covers

PBM has valve covers available in chrome, aluminum and unpainted steel, with and without breather holes. We can provide valve covers that give additional clearance for rocker arms, and all our covers are leak free. No matter the application, we've got the right set of valve covers for your ride at the best price you'll find.



- Lightweight design
- Cleared for high ratio rocker arms
- Bolts included



Fabricated Aluminum Valve Covers

Small Block Chevy

Part#	Description
7001	Without Holes (Formed)
7003	Without Holes (Billet)
7005	With Tubes (Formed)
7006	With Tubes (Billet)

Big Block Chevy

Part#	Description
7007	Without holes (Formed)
7009	Without holes (Billet)

Small Block Ford

Part#	Description
7011	Without Holes (Formed)
7012	Without Holes (Billet)

Aluminum Valve Covers

Part#	Description
725A	SBC Tall, With Breather Tubes, Aluminum
726A	SBC Without Holes, Aluminum
727A	BBC Tall, Without Holes, Aluminum
728A	SBC Short, With Holes, Baffled, Aluminum
729A	SBC Tall, With Holes, Baffled, Aluminum
730A	SBC Short, Centerbolt, With Holes
732A	SBC Tall, Centerbolt, With Holes, Baffled
733A	SBC Tall, Centerbolt, 2 Stacks On One Cover
738A	BBC Tall, With Holes, Baffled, Aluminum

Chromed Steel Valve Covers

Part#	Description
734C	SBF 289-351W Tall, Baffled, Chrome
736C	Ford 429-460 Tall, Baffled, Chrome
742C	SBC Tall w/Baffle, Chrome, PBM embossed logo
743C	SBC Tall w/Baffle, Chrome, World embossed logo
745C	BBC Tall w/Baffle, Chrome

Steel Valve Covers

Part#	Description
721Z	SBC Tall, Baffled, w/Breather Tubes, Zinc-coated
951	SBC Stock Unpainted

PBM Engine Accessories

PBM engine accessories and dress up kits will make your engine compartment look great and functional. We offer a full line of chrome, aluminum and paintable steel accessories to suit your needs.

Valve Cover Accessories

Part#	Description
250	Valve Cover Grommet for Steel covers 3/4" ID 1 1/4" OD
251	Valve Cover Grommet for Aluminum cover 3/4" ID 1 1/4" OD
252	Valve Cover Grommet for Aluminum cover 15/16" ID 1 1/4" OD
253	Valve Cover Grommet for Steel cover 3/4" ID 1" OD
254	Valve Cover Grommet for Steel cover 1" ID 1 1/4" OD
255	Valve Cover Grommet for Aluminum Cover 1" ID 1 1/4" OD
499	Valve Cover Spreader Bars, Chrome (4 per pack)
912	T-Bar Wing Nut Anodized 5 1/4"W 1/4-20 x 1" Stud, 2 per pack
935	Aluminum Push-In Breather with Built-In PCV, fits 1 1/4" Grommet Hole
936	Aluminum Push-In Breather Fits 1 1/4" Hole Grommet
938	SBC 87-Up Screw-In Oil Cap Chrome Plastic
939	Filter Style Clamp-On Breather Cap (use on PBM721Z & PBM725A)
940	Chrome Top Push-In Cap for 1 1/4" Grommet Hole



Engine Dress Up Kits

Part#	Description
350	SBC Chrome Dress-Up Kit w/Valve Covers, Timing Cover & Filler Caps
351	SBC Chrome Dress-Up Kit w/Valve Covers, T-Wing Hold-Downs & Filler Caps
352	BBC Dress-Up Kit Tall Valve Covers
353	SBC Truck Dress Up Kit 88-92 with Short Valve Cover Caps
354	SBC Truck Dress Up Kit 93-95 with Short Valve Cover Caps



Air Cleaners

Part#	Description
214	14" Air Cleaner with 5" Element
215	14" Air Cleaner with 3" Element



Timing Covers

Part#	Description
490	Heavy Duty Timing Cover Ribbed for Cam Button/No Tab
492	SBC Raw Without Pointer
493	SBC With Timing Tab, Unpainted
494	SBC Without Timing Tab, Chrome
495	BBC Without Timing Tab, Chrome
639	BBC Polished Aluminum
640	SBC Aluminum With Gasket, Bolts & Seal
7122	SBC Chrome 2 Piece With Gasket



Flexplates - Distributors & Gears

SFI Certified Flexplates

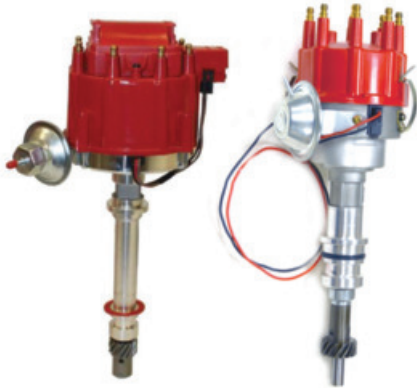


Part #	Description
FP302	Ford 302/351W 28 oz. 164 teeth with weight 14.23" OD
FP302-1	Ford 302/351W 28 oz. 157 teeth with weight 13.25" OD
FP302L	Ford 302/351W 50 oz 164 teeth with weight 14.23" OD
FP302L-1	Ford 302/351W 50 oz 157 teeth with weight 13.25" OD
FP302N	Ford 302/351W 164 teeth Internal w/ 11.5" Converter (SFI)
FP460	Ford 460 164 teeth external
FP460A	Ford 460 164 teeth internal
FP305	GM 305/307/350 153 teeth without weight 12.85" OD
FP350	GM 305/307/350 168 teeth without weight 14.13" OD
FP350L	GM 305/307/350 Late Model 168 teeth with weight 14.13" OD
FP350L-1	GM 305/307/350 Late Model 153 teeth with weight 12.85" OD
FP400	GM 400 168 teeth with weight 14.13" OD
FP454	GM 454 early 1968-90 168 teeth with weight 14.13" OD
FP454L	GM 454 early 1991-99 168 teeth with weight 14.13" OD

- High Performance HEI Distributor
- Brass lugs
- 50,000 volt coil (on SBC application)
- Capacitor prevents radio static
- Performance control module
- Hardened distributor gear
- Polished body

Performance Distributors

Part #	Description
WP8909	SBC HEI distributor with cap, rotor and coil, 50,000 volt super coil
WP8910	SBF distributor, 289/302 only, with cap and rotor
WP8911	Olds 350R-455 distributor, with cap, rotor and coil
WP8912	Pontiac 455 HEI distributor, with cap, rotor and coil
WP8913	SBF 351W, distributor, with cap and rotor



Distributor Clamp

Part #	Description
916	Chrome distributor clamp with stud

Distributor Gears Bronze

Part #	Description
301	SBC/BBC bronze distributor gear, .491" shaft diameter
302	SBC/BBC bronze distributor gear, .501" shaft diameter
303	Ford 302 bronze distributor gear, .467" shaft diameter
304	Ford 351W bronze distributor gear, .530" shaft diameter
307	Ford Aftermarket bronze dist. gear, .490" shaft diameter



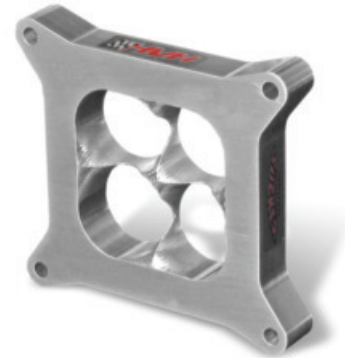
Distributor Gears Iron

Part #	Description
305	SBC/BBC grey iron distributor gear, .491" shaft diameter
306	SBC/BBC grey iron distributor gear, .501" shaft diameter
306-1	Grey iron distributor gear, .003 oversized .501" shaft diameter
306-2	Grey iron distributor gear, .006 oversized .501" shaft diameter
306-3	Grey iron distributor gear, .009 oversized .501" shaft diameter
306-4	Grey iron distributor gear, .012 oversized .501" shaft diameter
306-5	Grey iron distributor gear, .015 oversized .501" shaft diameter

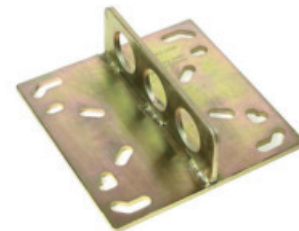
Carb Spacers - Seal Adapters - Misc. - Ring Compressors

Carburetor Spacers

Part#	Description
SS4150-1	1" tall lightweight aluminum
SS4150-1AL	1" aluminum dominator spacer
SS4150-2	2" tall lightweight aluminum
SS4150/4500-1.5	4150 carb to 4500 manifold
SS4412-2	1" tall 2 hole aluminum 2 bbl
SS4500-1	1" tall Dominator lightweight plastic
SS4500-1AL	1" tall Dominator Aluminum
SS4500-2	2" tall Dominator lightweight plastic
SS4500/4150-2	4500 carb on 4150 intake
ST4150-4	Street Sweeper for dual plane manifolds



Part#	Description
9134	1" plastic 4150 series 4 hole
9135	2" plastic 4150 series 4 hole
9136	1" plastic 4150 series open plenum
9137	2" plastic 4150 series open plenum
8000	Hardware kit for carb spacers w/carb studs



Miscellaneous

Part#	Description
212	Carburetor cover
920	Magnetic oil pan plug 1/2" x 20
921	Fuel pump block off plate SBC
922	Fuel pump block off plate BBC Also fits Ford
EL900	Engine lift plate

Seal Adapters

Part#	Description
SA3501	SBC, 2-piece crank in 1-piece block
SA3502	SBC, early 2-piece in 1-piece block



Ring Compressors

Part#	Description
35-005	4.000" tapered
35-006	4.030" tapered
35-007	4.060" tapered
35-018	4.125" tapered
35-019	4.145" tapered
35-008	4.155" tapered
35-020	4.165" tapered
35-009	4.250" tapered
35-010	4.280" tapered
35-011	4.310" tapered
35-015	4.500" tapered
35-016	4.530 tapered
35-017	4.560 tapered
35-021	4.600 tapered
35-022	4.625 tapered



Valve Guides - Fuel Pump Pushrods - Fasteners

Manganese Bronze Valve Guides



Cast Iron Valve Guides

Part#	Description
P5001	.312 x .438 x 2.500
P5005	.343 x .502 x 2.250
P5006	.343 x .502 x 2.375
P5007	.343 x .502 x 2.625
P5009	.372 x .502 x 2.375
P5010	.437 x .627 x 2.500
P5011	.372 x .502 x 2.750
P5016	.373 x .502 x 2.625
P5017	.373 x .502 x 2.375
P5024	.343 x .502 x 3.062
P5027	.343 x .502 x 2.125

Part#	Description
P5511	.341 x .502 x 2.100 w/step for aluminum head
P5512	.310 x .502 x 2.100 w/step for aluminum head
P5513	.309 x .502 x 2.000 w/step for aluminum head
P5514	.311 x .502 x 2.000 w/step for aluminum head
P5516	.340 x .502 x 2.150 w/step for aluminum head
P5518	.340 x .502 x 1.950 w/step for aluminum head
P5519	.340 x .439 x 1.950 w/step for aluminum head
P5520	.340 x .502 x 2.250 w/step for aluminum head
P5521	.340 x .545 x 2.000 w/step for aluminum head
P5527	.343 x .502 x 2.050 w/step for aluminum head
P5528	.343 x .505 x 1.925 .640 step down
P5530	.341 x .506 x 2.400 .640 step down
PB1825	.373 x .626 x 2.435 BBC Int
PB1826	.373 x .621 x 2.565 BBC Exh
PB8005	.343 x .502 x 2.250
PB8005SG	.343 x .502 x 2.250 w/spiral groove
PB8006	.343 x .502 x 2.375
PB8006SG	.343 x .502 x 2.375 w/spiral groove

Tech Notes

When replacing worn valve guides, the old guides are easiest to remove when the head is warm. This can be done just after the heads have come out of a cleaning oven or spray washer.

Chilling the replacement guides can reduce the amount of interference during installation. Using a lubricant can also reduce the risk of galling.

Replacing the guides may change the concentricity of the valve slightly with respect to the seat, but this should be restored when the seats are recut using a centering pilot in the guide.

PBM Light Weight Fuel Pump Pushrods



Part#	Description
PBM5000	SBC BBC stock length steel ends
PBM5001	SBC BBC W/ brass ends for billet camshafts
PBM5002	SBC BBC +.200 length steel ends
PBM5003	SBC BBC +.200 W/ brass ends for billet camshafts
PBM5004	Fits World Raised Cam & Motown LS blocks .075 longer W/steel ends
PBM5005	Fits World Raised Cam & Motown LS blocks .075 longer W/brass ends

Fasteners



Part#	Description
5008	BBC head bolt kit for one head
5009	SBC head bolt kit for one head
5049	BBC rod bolts 7/16", 190,000 psi
5180	Screw-in rocker stud, 3/8", 190,000 psi
5182	Screw-in rocker stud, 7/16", 190,000 psi
5183	Screw-in rocker stud w/girdle, 7/16", 190,000 psi
MB350SS	350 SBC splayed 4 bolt main cap 3 center caps
MB400SS	400 SBC splayed 4 bolt main cap 3 center caps

Starters - Water Pumps & Outlets - Pulleys

Starters

Part #	Description
9000	SBC/BBC starter, 1.9 hp, 4:1 reduction ratio, 9.6#, straight-across mounting
9001	BBF starter, 429/460 with automatics, 351C/351M with OEM flywheels, 1.9 hp, 4:1 reduction ratio, 9.6#
9002	BBF 390/406/427/428 with OEM flywheel, automatic or manual, 1.9 hp, 4:1 reduction ratio, 9.6#
9003	SBF starter for automatic or manual, 1.9 hp, 4:1 reduction ratio, 9.6#
9004	SBF starter for manual transmission, 1.9 hp, 4:1 reduction ratio, 9.6#
9006	Bert/Brinn 1.9hp transmission starter
5323OS	SBC/BBC starter, 1.9 hp, 4:1 reduction ratio, 9.6#, same as PBM 9000 with offset mounting
ND19509	Chevy/Ford replacement starter gear



Performance Water Pumps

Part #	Description
WP350S	SBC aluminum water pump short 5/8 shaft
WP350SS	SBC aluminum water pump short 3/4 shaft
WP350L	SBC aluminum water pump long



- High flow aluminum casting
- Ultra smooth body
- Heavy duty bearing assembly
- High flow machined cast iron impeller
- Billet dual pattern fan hub
- 3/4" shaft diameter

Water Outlets

Part #	Description
860	Chevy straight aluminum water neck o-ring style
861	Chevy 45° swivel water neck o-ring style aluminum
862	Chevy water neck gasket style, chrome
863	Chevy water neck chrome steel o-ring style
864	Chevy water neck chrome w/1/2" threaded hole on top
898	Replacement o-ring for aluminum necks
899	Replacement o-ring for steel/chrome necks



Pulleys

Part #	Description
943	SBC water pump pulley, 2 groove, satin, use with long pump
945	SBC crankshaft pulley, 2 groove, satin, use with long pump
947	SBC water pump pulley, 2 groove, satin, use with short pump
948	SBC crankshaft pulley, 2 groove, satin, use with short pump



Racing Hose

Durable CPE synthetic rubber tube bonded with a woven Nylon Braid and secured by a 308 Stainless Steel outer braid. *Pro-Flo* Racing Hose resists extreme heat, abrasion and corrosion, offering superior flexibility with maximum vacuum service. Operating temperatures are from -40° F to +350° F and deliver hydrocarbon and alcohol based fuels, motors oils and coolant. Superior quality construction provides excellent flexibility and bending.



Pro-Flo Stainless Steel Braided Racing Hose

AN Size	Hose I.D.	Hose O.D.	Max PSI	3' Length Part #	6' Length Part #	10' Length Part#	15' Length Part#	20' Length Part#
-4	0.22	0.44	1500	920403	920406	920410	920415	920420
-6	0.34	0.55	1500	920603	920606	920610	920615	920620
-8	0.43	0.64	1500	920803	920806	920810	920815	920820
-10	0.56	0.79	1250	921003	921006	921010	921015	921020
-12	0.69	0.94	1000	921203	921206	921210	921215	921220
-16	0.88	1.16	750	921603	921606	921610	921615	921620

Designed for reduced weight and increased flexibility, *Pro-Lok* Hose features an elastomer inner tube bonded with a reinforcing textile braid and covered with a blue synthetic rubber cover. Hose cover has an embossed lay-line to assist with installation. *Pro-Lok* Hose is compatible with a wide range of oils, fuels and coolants.

Operates to 250 PSI and -30F.-160 F. Use with *Pro-Lok* Swivel Hose Ends and all 37° AN flare Adapters. DO NOT use with Brake Fluids, Power Steering fluids or unleaded gasoline also not recommended for the scavenge side of drysump systems



Pro-Lok Blue CPE Rubber Racing Hose

AN Size	Hose I.D.	Hose O.D.	Max PSI	10' Length Part#	15' Length Part#	20' Length Part#
-4	1/4"	15/32"	250	930410	930415	930420
-6	3/8"	5/8"	250	930610	930615	930620
-8	1/2"	3/4"	250	930810	930815	930820
-10	5/8"	15/16"	250	931010	931015	931020
-12	3/4"	1-1/8"	250	931210	931215	931220

Corrosion resistant Teflon Inner tube reinforced with a 308 stainless steel outer braid delivers dependable performance for brake-lines and power steering. *Pro-Flex* smooth bore hose operates from -65°F to 450°F. Stainless steel braid protects critical fluids from heat, abrasion and line expansion to achieve superior performance.



Pro-Flex Stainless Braided Teflon Brake Line/Power Steering Hose

AN Size	Race Applications	Hose I.D.	Hose O.D.	Max PSI	3' Length Part#	6' Length Part#	10' Length Part#
-3	Brakes	0.12	0.24	3000	940303	940306	940310
-4	Hyd Clutches	0.19	0.31	3000	940403	940406	940410
-6	Power Steering	0.31	0.45	2500	940603	940606	940610
-8	Power Steering	0.41	0.55	2000	940803	940806	940810



Anodized Aluminum AN Hose Fittings

- Made from lightweight 6061 alloy aluminum
- Designed for smooth flow, easy assembly and longer life
- All elbow ends built from one piece billet tube construction-avoiding leaky braze joints
- Viton O-ring seal allows 360 swivel rotation
- Compatible with all AN adapter fittings
- Blue and Red Anodize

Pro-Flo Full Swivel AN Reusable Hose Ends

Full Swivel AN Hose Ends use 37 flare seal (JIC/AN) compatible with other manufacturers products. Use with Pro-Flo stainless braided racing hose.



Red & blue anodized.
Reusable aluminum
swivel S.A.E. 37°(JIC/AN)

AN	Part No.
-4	20400*
-6	20600*
-8	20800*
-10	21000*
-12	21200*
-16	21600*

45



Red & blue anodized.
Reusable aluminum swivel
S.A.E. 37°(JIC/AN)

AN	Part No.
-4	20445*
-6	20645*
-8	20845*
-10	21045*
-12	21245*
-16	21645*

90



Red & blue anodized.
Reusable aluminum swivel
S.A.E. 37°(JIC/AN)

AN	Part No.
-4	20490*
-6	20690*
-8	20890*
-10	21090*
-12	21290*
-16	21690*

120



Red & blue anodized.
Reusable aluminum
swivel S.A.E. 37°(JIC/AN)

AN	Part No.
-4	20420*
-6	20620*
-8	20820*
-10	21020*
-12	21220*
-16	21620*

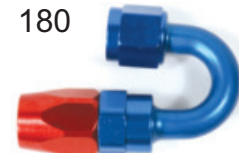
150



Red & blue anodized.
Reusable aluminum
swivel S.A.E. 37°(JIC/AN)

AN	Part No.
-4	20450*
-6	20650*
-8	20850*
-10	21050*
-12	21250*
-16	21650*

180



Red & blue anodized.
Reusable aluminum
swivel S.A.E. 37°(JIC/AN)

AN	Part No.
-4	20480*
-6	20680*
-8	20880*
-10	21080*
-12	21280*
-16	21680*

Pro-Lok Full Swivel AN Hose Ends



Red & blue anodized

AN	Part No.
-4	50400*
-6	50600*
-8	50800*
-10	51000*
-12	51200*

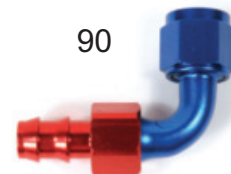
45



Red & blue anodized

AN	Part No.
-4	50445*
-6	50645*
-8	50845*
-10	51045*
-12	51245*

90



Red & blue anodized

AN	Part No.
-4	50490*
-6	50690*
-8	50890*
-10	51090*
-12	51290*

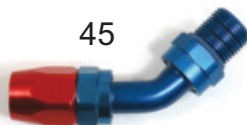
Pro-Flo Full Swivel AN Reusable Pipe Hose Ends



Red & blue anodized.
Reusable aluminum
swivel S.A.E. 37°(JIC/AN)

AN	NPTF	Part No.
-6	1/4	30600*
-8	3/8	30800*
-8	1/2	30801*
-10	1/2	30000*
-12	1/2	30200*
-12	3/4	30201*

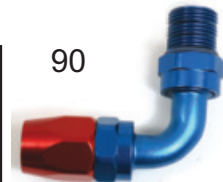
45



Red & blue anodized.
Reusable aluminum
swivel S.A.E. 37°(JIC/AN)

AN	NPTF	Part No.
-6	1/4	30645*
-8	3/8	30845*
-8	1/2	30846*
-10	1/2	30045*
-12	1/2	30245*
-12	3/4	30246*

90



Red & blue anodized.
Reusable aluminum
swivel S.A.E. 37°(JIC/AN)

AN	NPTF	Part No.
-6	1/4	30690*
-8	3/8	30890*
-8	1/2	30891*
-10	1/2	30090*
-12	1/2	30290*
-12	3/4	30291*

* INDICATES ADD (BLK) TO NUMBER FOR BLACK FITTING



Anodized Aluminum Hose Fittings

PBM Performance offers a full line of light weight aluminum adapters that complete your line installation. Adapters are available in standard bright blue anodize finish. Adapters designed for leakproof sealing with any manufacturers hose ends. Forged aluminum adapters manufactured to aerospace standards.



Straight Flare to Pipe Adapter

AN Size	NPTF Size	Part #
-3	1/8	70316*
-4	1/8	70416*
-4	1/4	70496*
-6	1/8	70616*
-6	1/4	70676*
-6	3/8	70686*
-6	1/2	70696*
-8	1/4	70816*
-8	3/8	70886*
-8	1/2	70896*
-10	3/8	71016
-10	1/2	71086*
-10	3/4	71096*
-12	1/2	71216*
-12	3/4	71296*
-16	3/4	71616*
-16	1	71696*



45° Flare to Pipe Elbow

AN Size	NPTF Size	Part #
-3	1/8	70323
-4	1/8	70423
-6	1/4	70623
-8	3/8	70823
-10	1/2	71023
-12	3/4	71223



1/8" NPT Port available upon request

90° Flare Elbow

AN Size	Part#
-6	70621
-8	70821



90° Flare to Pipe Elbow

AN Size	NPTF Size	Part #
-3	1/8	70322
-4	1/8	70422
-4	1/4	70492
-6	1/8	70622
-6	1/4	70682
-6	3/8	70692
-8	1/4	70822
-8	3/8	70882
-8	1/2	70892
-10	1/2	71022
-10	3/4	71092
-12	1/2	71222
-12	3/4	71292
-16	3/4	71622
-16	1	71692



Flare Tee

AN Size	Part#
-3	70324
-4	70424
-6	70624
-8	70824
-10	71024
-12	71224



Flare To Pipe Tee

AN Size	NPTF Size	Part#
-3	1/8	70325
-4	1/8	70425
-6	1/4	70625
-8	3/8	70825

* Indicates add (BLK) to number for Black



Flare To Pipe On Run Tee

AN Size	NPTF Size	Part#
-3	1/8	70326
-4	1/8	70426
-6	1/4	70626
-8	3/8	70826
-10	1/2	71026
-12	3/4	71226



Flare Union

AN Size	Part#
-3	70315
-4	70415
-6	70615
-8	70815
-10	71015
-12	71215
-16	71615



Flare Plug

AN Size	Part#
-3	70306
-4	70406
-6	70606
-8	70806
-10	71006
-12	71206
-16	71606



Flare Cap

AN Size	Part#
-3	70329
-4	70429
-6	70629
-8	70829
-10	71029
-12	71229
-16	71629



Straight Thread (O-ring) Plug

AN Size	Part#
-3	70314
-4	70414
-6	70614
-8	70814
-10	71014
-12	71214
-16	71614



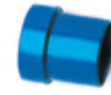
Allen Socket Pipe Thread Plug

Pipe Thread	Part #
1/8	71204
1/4	72504
3/8	73704
1/2	75004A
3/4	77504



Tube Nut

AN Size	Part #
-3	70318
-4	70418
-6	70618
-8	70818
-10	71018
-12	71218
-16	71618



Tube Sleeve

AN Size	Part #
-3	70319
-4	70419
-6	70619
-8	70819
-10	71019
-12	71219
-16	71619



Anodized Aluminum AN Hose Fittings

All PBM Performance Adapters are machined from light weight aluminum alloy to AN standards. All 37° flare adapters fit all industry AN hose ends. All threads are designed for maximum percentage of engagement. All adapters available in Bright Dip Blue Anodized finish.



Pipe Reducer Bushing

NPTF	
Thread	Part #
1/4 to 1/8	72112
3/8 to 1/8	73112
3/8 to 1/4	73212
1/2 to 1/8	75112
1/2 to 1/4	75212
1/2 to 3/8	75312
3/4 to 3/8	77312A
3/4 to 1/2	77512
1 to 3/8	71312
1 to 1/2	71512



Flare Reducer

NPTF	
Thread	Part #
-12 to -6	72617
-12 to -8	72817
-12 to -10	72017
-16 to -10	77017
-16 to -12	77217
-4 to -3	74317
-6 to -4	76417
-8 to -6	78617
-10 to -6	70617
-10 to -8	70817



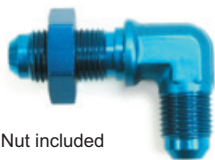
Flare to Metric

AN Size	Metric Thread	Part#
-4	10mm x 1.0	74039
-6	12mm x 1.5	76239
-6	14mm x 1.5	76439
-6	16mm x 1.5	76739
-6	18mm x 1.5	76839
-8	16mm x 1.5	78639
-8	18mm x 1.5	78839
-10	18mm x 1.5	79839



Male Pipe Thread Nipple

NPTF	
Thread	Part #
1/8"	71211
1/4"	72511
3/8"	73711
1/2"	75011A
3/4"	77511



Nut included

90° Bulkhead Flare

AN Size	Part #
-3	70333
-4	70433
-6	70633
-8	70833
-10	71033
-12	71233
-16	71633



Nut included

Bulkhead Flare Tee

AN Size	Part #
-3	70334
-4	70434
-6	70634
-8	70834
-10	71034
-12	71234
-16	71634



Nut included

Straight Bulkhead Flare

AN Size	Part #
-3	70332
-4	70432
-6	70632
-8	70832
-10	71032
-12	71232
-16	71632



Nut included

45° Bulkhead Flare

AN Size	Part #
-3	70337
-4	70437
-6	70637
-8	70837
-10	71037
-12	71237



Bulkhead Nut

AN Size	Part #
-3	70331
-4	70431
-6	70631
-8	70831
-10	71031
-12	71231
-16	71631



Female-Male Expander

AN Size	Part #
-4FM -6M	74627
-6FM -8M	76827
-8FM -10M	78027
-10FM -12M	70227
-12FM -16M	72627



Female-Male Reducers

AN Size	Part #
-4FM -3M	74320
-6FM -4M	76420
-8FM -6M	78620
-10FM -6M	70620
-10FM -8M	70820
-12FM -10M	72020



Female Pipe Thread Coupler

NPTF	
Thread	Part #
1/8"	71210
1/4"	72510
3/8"	73710
1/2"	75010A
3/4"	77510
1"	71010

Hose Fittings



O-ring included

Dry Sump Radius Port to AN Adapter

AN Port Size	AN Port Thread	AN Flare Male	Part #
-6	9/16"-18	-6	87066
-6	9/16"-18	-8	87068
-8	3/4"-16	-6	87086
-8	3/4"-16	-8	87088
-8	3/4"-16	-10	87081
-10	7/8"-14	-8	87108
-10	7/8"-14	-10	87101
-10	7/8"-14	-12	87102
-12	1-1/16"-12	-10	87121
-12	1-1/16"-12	-12	87122
-12	1-1/16"-12	-16	87126



Zinc Plated Steel Pump Adapter

Connect -6 AN Hydra-Flex Power Steering Hose to one of these to assure reliable and consistent operation with your high pressure steering system.

AN Size	Thread	Part #
-6	1/2"-20 Inverted Flare	140650
-6	5/8"-18 Inverted Flare	140662
-6	11/16"-18 Inverted Flare	140668



Aluminum Welding Bungs

6061 Aluminum - Lipped to prevent warpage

Part#	Male/	Size	Thread
	Female		
890656	SAE Female	-6	9/16" -18 SAE
890875	SAE Female	-8	3/4" - 16 SAE
891087	SAE Female	-10	7/8" - 14 SAE
891211	SAE Female	-12	1-1/16" - 12 SAE
891613	SAE Female	-16	1-5/16" - 12 SAE
89906	Male Flare	-6	9/16" - 18 SAE
89908	Male Flare	-8	3/4" - 16 SAE
89910	Male Flare	-10	7/8" - 14 SAE
89912	Male Flare	-12	1-1/16" - 12 SAE
89916	Male Flare	-16	1-5/16" - 12 SAE
899125	Female	1/8" pipe	1/8" - 27 NPTF
899250	Female	1/4" pipe	1/4" - 18 NPTF
899375	Female	3/8" pipe	3/8" - 18 NPTF
899500	Female	1/2" pipe	1/2" - 14 NPTF
899750	Female	3/4" pipe	3/4" - 14 NPTF

O-ring included



45° Full Swivel Elbow Dry Sump

Hose/Port Combination	Part#
#10 Hose to #10 Port x 45°	40045
#10 Hose to #12 Port x 45°	40046
#12 Hose to #10 Port x 45°	40246
#12 Hose to #12 Port x 45°	40245

O-ring included



90° Full Swivel Elbow Dry Sump

Hose/Port Combination	Part#
#10 Hose to #10 Port x 90°	40090
#10 Hose to #12 Port x 90°	40091
#12 Hose to #10 Port x 90°	40291
#12 Hose to #12 Port x 90°	40290

Oil Galley Fitting



Part# 87512

Steel Adapter connects -12AN oil line to 1/2" NPT Port

Lifter Vent



Part# 87375

Alloy aluminum lifter vent allows engine to breathe

1-per pack

Buna-n® O-Rings

SAE/AN Size	Qty/ Card	Part#
-4	5	88804
-6	5	88806
-8	5	88808
-10	5	88810
-12	5	88812
-16	5	88816



O-ring included

Oil Restrictor

Part# 877250

Stainless Steel Fitting keeps oil where you need it. Low profile socket style-SBC.

2-Required



Anodized Aluminum AN Hose Fittings



Female Hard Tube Fitting

AN	Tube	Part#
6AN	3/8	830613
8AN	1/2	830815



Male Hard Tube Fitting

AN	Tube	Part#
6AN	3/8	830623
8AN	1/2	830825



Pure-Flow In-Line Fuel Filters
1 1/4" Outside Diameter

Part#	AN Size	Length	Description
879060*	6AN Male	3"	Red/Blue Anodize
879061*	6AN Male	3"	Polished Aluminum
879080*	8AN Male	3 1/4"	Red/Blue Anodize
879081*	8AN Male	3 1/4"	Polished Aluminum
879000			Replacement O-ring seal
879001			Replacement Filter Screen

*Indicates add (BLK) to number for Black



Flare Union Adapter with Port

AN Size	NPTF Port	Part#
-6	1/8	70668
-8	1/8	70878



Flare to Pipe Adapter with Port

AN To Pipe	NPTF Port	Part#
-6 to 3/8"	1/8	70688
-8 to 3/8"	1/8	70898



Aluminum Tube Fuel Line

Part#	Description
837525	3/8" O.D. x 25 ft coil
850025	1/2" O.D. x 25 ft coil
862525	5/8" O.D. x 25 ft coil



Tube Sleeve

AN	Part#
-6	70619
-8	70819



Tube Nut

AN	Tube	Part#
-6	3/8"	70618
-8	1/2"	70818



Fuel Cell Bulkheads

Includes Nut and Teflon Washer

AN	Part#	Teflon Washer Part#
-6	89006	89069
-8	89008	89089
-10	89010	89109
-12	89012	89129



Straight Swivel Coupler

AN	Part#
-6	70600
-8	70800
-10	71000
-12	71200



45° Swivel Coupler

AN	Part#
-6	70645
-8	70845
-10	71045
-12	71245



90° Swivel Coupler

AN	Part#
-6	70690
-8	70890
-10	71090
-12	71290

Carburetor Fittings



Dual Inlet Carb Kit

Part #	Description	Application
805117*	-6AN Dual Inlet Kit w/braided hose, AN fittings with 1/8 NPT Port- 7/8" -20 Thrd	Holley Dual Feed 4150 (Except 4010)
805117SL*	-6AN Dual Inlet Kit w/braided hose, AN fittings	Quick Fuel Slayer Carb
805115*	-8AN Dual Inlet Kit w/braided hose, AN fittings with 1/8 NPT Port- 7/8" -20 Thrd	Holley Dual Feed 4150 (Except 4010/4011)
805115SL*	-8AN Dual Inlet Kit w/braided hose, AN fittings	Quick Fuel Slayer Carb
805118*	-8AN Dual Inlet Kit w/braided hose, AN fittings with 1/8 NPT Port - 9/16" -24 Thrd	Demon Dual Feed BG Demon Dual Feed
805114*	-8AN Dual Inlet Kit w/braided hose, AN fittings with 1/8 NPT Port - 7/8" -20 Thrd	Holley - Dominator 4500 Series
805116*	-8AN Dual Inlet Kit w/Pro-Lok hose, AN fittings NPT Port - 7/8" -20 Thrd (Except 4010-4011)	Holley Dual Feed with 1/8

* Indicates add (BLK) to number for Black



Crush washers included - 3 1/4" Overall length

AN Size	Port Thread	Part#	Carburetor
AN-6	7/8" - 20	84876*	Holley Dual Feed 750 to 4500 Dominator
AN-6	9/16" - 24	84878*	Demon or BG Dual Inlet
AN-8	7/8" - 20	84875*	Holley Dual Feed 750 to 4500 Dominator
AN-8	9/16" - 24	84877	Demon or BG Dual Inlet

* Indicates add (BLK) to number for Black



AN Size	Port Thread	Part#	Carburetor
AN-8	7/8" -20	804088*	Holley Dual 750 to 4500 Dominator
AN-6	7/8" -20	804068*	Holley 750 to 1 Pre '74 QuadraJet
AN-6	9/16" -24	804069*	Holley Sgl. 600-Dual 4010-4011 and BG Demon

* Indicates add (BLK) to number for Black



Description	Part#	Application
-10AN to 3/8" NPTF	71016	Holley Electric Pumps

Carburetor Adapter Crush Washers

Size	Part#	Quantity
9/16 thread	749956	5/card
7/8 thread	749958	5/card
5/8 thread	749957	5/card

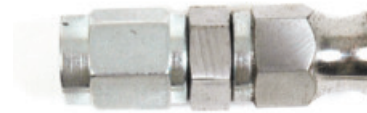


Steel AN Hose Fittings

Used for Brake Lines, Shocks and Power Steering Braided Line Assembly Available in -3, -4, -6 Hose sizes and End options. Choose from Straight, Elbowed or Banjo Ends to complete the custom fit you need. Machined from high quality steel to handle any high pressure application. Zinc plated for maximum corrosion resistance.

Straight Hose End

Size	Part#
-3	60300
-4	60400
-6	60600



45° Male Hose End

Size	Part#
-3	60345
-4	60445
-6	60645



90° Male Hose End

Size	Part#
-3	60390
-4	60490
-6	60690



Straight 1/8" Male Hose End

Size	Part#
1/8	60318



Brass Replacement Sleeves for Teflon™ Fittings 5 per package

Size	Part#
-3	60399
-4	60499
-6	60699



Banjo Hose End

For use with AN Teflon™ Hose Only

Size	Part#
-3	60310



Inverted Flare Adapters

Connect -6 AN Hydra-Flex Power steering hose to one of these zinc plated steel Pump Adapters to assure reliable and consistent operation with high pressure steering systems.

Size	Thread	Part #
-6	1/2" - 20 Inverted Flare	640650
-6	5/8" - 18 Inverted Flare	640662
-6	11/16" - 18 Inverted flare	640668





Brake Lines & Fittings

-3 AN DOT conforming Street Legal Brake Lines will improve your 60 to 0 performance braking needs. Constructed from smooth bore Teflon tube reinforced with a 308 stainless steel braided cover, allowing a firmer and faster brake pedal response. Available in 3 styles: -3 Nut to -3 Nut, -3 to 10mm Banjo, -3 Nut to 90 degree tube/nut. Custom lengths available on request.



-3AN Nut to -3AN Nut	
Length	Part Number
9"	500009
12"	500012
15"	500015
18"	500018
21"	500021
24"	500024
27"	500027
30"	500030
33"	500033
36"	500036

-3AN Nut to 10mm Banjo	
Length	Part Number
9"	503809
12"	503812
15"	503815
18"	503818
21"	503821
24"	503824
27"	503827
30"	503830
33"	503833
36"	503836

-3AN Nut to 90° Tube Nut	
Length	Part Number
9"	509009
12"	509012
15"	509015
18"	509018
21"	509021
24"	509024
27"	509027
30"	509030
33"	509033
36"	509036

Brake Adapter Fittings



-3AN to 1/8" NPT Adapter		
AN	Chrome	Zinc
-3	144000	144000E



-3AN x 45°- 1/8" NPT Adapter		
AN	Chrome	Zinc
-3	151245	151245E



-3AN x 90°- 1/8" NPT Adapter		
AN	Chrome	Zinc
-3	151290	151290E



-3AN Flare Tee		
AN	Chrome	Zinc
-3	153330	153330E



Bulkhead Tee			
AN	IF Thread	Zinc	Chrome
-3	3/8"-24	144001	144001E
-3	7/16"-24	144002	144002E
-3	7/16"-20	144003	144003E



-3AN to I.F. Male Adapter				
AN	IF Thread	Zinc	Chrome	Qty/Card
-3	3/8"-24	144001	144001E	2
-3	7/16"-24	144002	144002E	2
-3	7/16"-20	144003	144003E	2



-3AN to I.F. Female Adapter			
AN	IF Thread	Part#	Qty/Card
-3	3/8"-24	144005	2
-3	7/16"-24	144007	2



-3AN Straight Banjo Fitting			
Size	Thread	Chrome	Zinc
10mm	3/8-24	161000	161000E
12mm	3/8-24	161200	161200E



-3AN 35° Banjo Fitting			
Size	Thread	Chrome	Zinc
10mm	3/8-24	161035	161035E
12mm	3/8-24	161235	161235E



90° Banjo Fitting			
Size	Thread	Chrome	Zinc
10mm	3/8-24	161090	161090E
12mm	3/8-24	161290	161290E



Banjo Bolt with washers			
Size	Thread	Chrome	Zinc
10mm	3/8-24	161038	161038E
12mm	7/16-24	161244	161244E

Banjo Crush Washer		
Size	Part#	Quantity
10mm	161099	10 pack
12mm	161299	10 pack

7000 Series Timing Sets - 3 Keyway

The timing chain is one of the leading causes of failure with aftermarket timing kits. Failure results in severe engine damage and expensive engine repairs. There are many inferior grade inverted tooth timing chains sold in the market. Our quality and testing far exceeds the competition.

Timing Sets

AMC Part#	Description
7600	V8 290 304 360 390 401
BUICK	
7500	V6 181 196 231 with integral dist drive gear
CHEVROLET	
7981	SBC V8, V6-200 229 262
7981T	377 383 400 w/torrington
7975	V6 262; V8 305 350 with roller cam
7991	V8 396 400 402
7991T	427 454 w/torrington
CHRYSLER	
7985	V8 273 318 340 360
7607	V8 383 400 413 426 440 with single bolt cam
7606	V8 383 400 413 426 440 with three bolt cam
FORD	
7605	V8 255 302 351W (Late 1972-2002)
7982	V8 289 302 Boss 351W (Late 1965-early 1972)
7611	V8 330 352 390 427 428
7521	V8 351C M 400
7990	V8 429 460
OLDSMOBILE	
7800	V8 260F 307Y 330 350R 400 403 425 455
PONTIAC	
7700	V8 287 316 326 347 350 370 389 400 421 428 455

- .250 Double Roller Timing Chains
- Cast Iron Cam Gears
- 3 Keyway Crank Gears
- Available with torrrington bearings

Performance Options

- T = Press fit thrust bearing
- LB5 = Reduced by .005 CD
- LB10 = Reduced by .010 CD



Line Bore Kits

Part#	Description
7981LB5	V8 283 302 305 -.005
7981LB10	307 327 350 -.010
7981TLB5	377 383 400 w/torrington -.005
7991LB5	427 454 -.005
7991LB10	427 454 -.010
7991TLB5	427 454 w/torrington -.005

Performance Parts Kits

Part#	Description
780T	Thrust Bearing SB & BB Chevy
780W	Bronze Washer SB & BB Chevy
782T	Thrust Bearing SB Ford
782W	Bronze Washer SB Ford
782TPK	SB Ford Camshaft Thrust Plate w/counter sunk holes and screws

Cam Lock Plate

Part#	Description
007-3	SBC/BBC cam lock plate w/ bolts



Cam Buttons

Part#	Description
320	SBC/BBC early model, short, billet aluminum length .825"
321	SBC/BBC late model, long billet aluminum length .930"
325	SBC with roller bearing length .800"
326	BBC with roller bearing length .925"



Billet Timing Sets - 9 Keyway



- Billet crank and cam gear
- 9 keyway crankshaft gear
- CNC machined billet gears
- Induction hardened crankgear
- Adjustability + or - 2, 4, 6, 8°
- Available with torrington bearings
- .250 diameter high tensile rollers

Billet Timing Sets

Part#	Description
BUICK	
8540	455-430-400 (3 keyway)
CHRYSLER	
8606	BB 383-440 three bolt
8607	BB 383-440 billet single bolt 9 keyway
8985	SB 318-360 V-8
FORD	
8521T	V8-351C M 400 w/torrington
8522T	351C, 351M, 400 Windsor crank snout with torrington bearing
8605	SBF 302-351-W EFI, 89 up w/torrington
8982	SBF 302-351 early 72-88 w/torrington
8611	FE 352-428 Ford w/torrington
8990	BBF 429-460 V-8 w/thrust washer
GM	
8975T	V6-262 V8-305 350 w/roller cam -with torrington bearing
8978T	SBC LS2, LR4, LSR with torrington bearing
8980	LS1 w/torrington oil pump drive
8981	SBC 283-400 with thrust washer
8981TRC	SBC World Raised cam Block
8981T	SBC 283-400 w/torrington
8983T	SBC with BBC crank snout with torrington bearing
8900T	SBC rocket block/Dart with torrington bearing
8991	BBC 396-454 w/thrust washer
8991T	BBC 396-454 w/torrington
8999T	BBC 454 Gen VI 96-2000 w/torrington
SRS3100BRC-2	Raised Cam crank gear BBC Snout
PONTIAC	
8700	V8-287 316 326 347 350 370 389 400 421 428 455

Line Bore Kits

Part#	Description
SMALL BLOCK CHEVY	
8975TLB5	V6-262 V8-305 350 w/roller cam -.005
8975TLB10	V6-262 V8-305 350 w/roller cam -.010
8981LB5	SBC -.005
8981TLB5	SBC -.005 w/torrington
8981LB10	SBC -.010
8981TLB10	SBC -.010 w/torrington
BIG BLOCK CHEVY	
8991LB5	BBC -.005
8991TLB5	BBC -.005 w/torrington
8991LB10	BBC -.010
8991TLB10	BBC -.010 w/torrington
FORD	
8982LB5	351W-Late 1965-early 1972 -.005
8982LB10	351W-Late 1965-early 1972 -.010

Replacement Chains

Part#	Description
8900C	Fits all 8900,8900TA sets
8981C	Fits all 7981,8981,8981TA sets
8981CRC	Fits all 8981RC,8981TARC sets
8981C	Fits all 7982,8982,8982TA sets
8991C	Fits all 7991,8991,8991TA sets

Tech Notes:

Check for clearance between timing chain and oil gallery boss. Some late model blocks may require material removal of boss for chain clearance.

PBM Timing Sets 8605, 8982, 8611, and 8990 requires camshaft thrust plate modification to clear roller thrust bearing or bronze washer. Thrust plate holes must be countersunk so the screws supplied with timing set are slightly below the surface of the thrust plate.

Fast Adjust Timing Sets

The ultimate adjustable timing set. PBM has made camshaft timing quick and easy. PBM Fast Adjust is easy to use; install cam gear to "0" for straight-up cam position or advance/retard your camshaft by adjusting the cam sprocket + or - 12° total. Then tighten the 6 lock bolts and you are READY TO RACE.

Fast Adjust Timing Sets

SMALL BLOCK CHEVY	
Part#	Description
8900TA*	V8-350 400 Dart Raised cam block
8900TA005*	V8-350 400 Dart Raised Cam .005 short
8900TA010*	V8-350 400 Dart Raised cam .010 short
8981TA*	SBC
8981TARC	SBC World Raised cam block
8981TA005*	For line bored blocks .005 short
8981TA010*	For line bored blocks .010 short
8983TA*	SBC w/BBC crank snout
8900C	Replacement chain for 8900TA
8981C	Replacement chain for 8981TA-8983TA
8981CRC	Replacement chain for 8981TARC
BIG BLOCK CHEVY	
8991TA*	V8 396, 400, 402, 427, 454
8991C	Replacement chain for 8981TA
FORD	
8982TA*	V8-255 302 351W (Late 1972-2002)
8981C	Replacement chain for 8982TA

*With torrrington bearing



Torrington Bearings

Part#	Description
780T	Fits the following PBM Timing Sets 900, 901, 8900TA, 8981T, 8981TLB5, 8900T, 7991T, 7991TLB5, 8981TLB10, 8981TA, 8981TA005, 8900TA005, 8900TA010, 8981TA010, 8991T, 8991TLB5, 8991TLB10, 8983T, 8983TA, 8991TA, 7981T, 7981TLB5, 7991T
782T	8605, 8611, 8975T 8975TLB5, 8975TLB10, 8982LB10, 8982LB5, 8982, 8982TA, 8985, 8521T, 8978TA, 8980



Thrust Washers

Part#	Description
780W	8606, 8981, 8981LB10, 8981LB5, 8991, 8991LB5, 8991LB10
782W	8990



Degree Bushings

Part#	Description
8010	Cam bushing set 2 each 0, 2, 4, 6, 8
8001	Black 0 degree qty 10
8002	Silver 2 degree qty 10
8004	Orange 4 degree qty 10
8006	Gold 6 degree qty 10
8008	Gray 8 degree qty 10



- Allows accurate cam timing
- 2 degree increments
- Color coded for identification
- Requires a 11/32 drill bit

Timing Sets - Gear & Belt Drive Systems

700 Series Timing Sets



- Ideal for high performance, street and mild race
- Double-row chain design is pre stretched, heat-treated and enlarged pin chain
- Features 3 keyway crank gear for precise timing adjustments
- Very reliable and affordable
- Clamshell packaging



Latest in cam timing systems with the most accurate valve train components. Belt drive systems absorb significant amounts of crankshaft harmonics.

Belt Drive Systems

CHEVROLET	
Part#	Description
800B	V6-200 229 262, SBC V8

CHEVROLET	
Part#	Description
700	V6-200 229 262, SBC V8
701	V8-396 400 402
CHRYSLER	
703	V8-273 318 340 360
FORD	
702	V8-302 2 pc FP eccentric
705	V8-351W 1 pc FP eccentric



Gear drives come complete with cam bolt and lock plate. Precision machined for accuracy. Designed to keep perfect timing. Ideal for high performance street and all out racing.

Gear Drive Systems

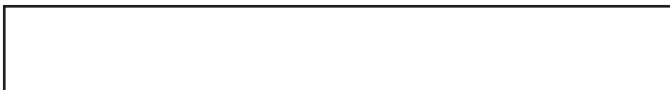
CHEVROLET	
Part#	Description
900	V6-200 229 262, SBC V8
906	V6-262 V8-305 350 w/roller cam
901	V8-396 400 402 427 454
908	BBC 1996-early 1999/ late 1999-2000
CHRYSLER	
905	V8-383 400 413 426 440 w/three bolt cam
FORD	
902	V8-255 302 351W Late 1972-2002/ V8-289 302 Boss
903	V8-351C M 400
904	V8-429 460
PONTIAC	
907	V8-287 316 326 347 350 370 389 400 421 428 455

Gen V & VI BBC Timing Sets



- 9 keyway lower gear
- Steel crank gear
- .334 Single Roller

GM	
Part#	Description
8976	Big Block 454 Gen VI 96-2002
8994	Big Block 454 Gen VI (1996-early 1999)
8995	Big Block 454 Gen VI (late 1999-2000)
8997	Big Block 454 Gen VI V8 8.1L (2001)
8998	Big Block 454 Gen VI V8 8.1L (2002-05)



Guideplates - Rocker Studs - Lash Caps

Erson Cams Guideplates are made from high quality heat-treated steel. We offer two types of SBC guideplates, flat and stepped. The stepped series stabilizes the pushrod, reduces the flexing of the pushrod and decreases rocker arm side-to-side movement. Erson has redesigned our 601 flat SBC guideplate. Its elongated rocker stud openings allow for perfect adjustment and alignment of rocker arms to the tip of the valve. We have incorporated a harder material and our surface is much smoother for better pushrod alignment and reduced wear. All guideplates are black oxide finish.



Guideplates

Part#	Description
600	SBC stepped
601	SBC flat
602	BBC
603	SB Ford



Lash Caps

Part#	Description
8251	3/8 lash caps
8252	11/32 lash caps
8253	5/16 lash caps

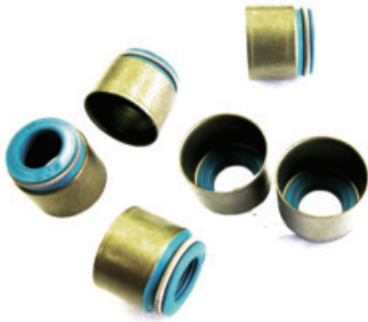


Rocker Studs

Part#	Description
5180	Screw-in rocker stud, 3/8", 190,000 psi
5182	Screw-in rocker stud, 7/16", 190,000 psi
5183	Screw-in rocker stud w/girdle, 7/16", 190,000 psi



Valve Seals - Stud Girdles - Polylocks



High Temperature Seals

Our high temperature Viton seals offer superior oil control via a spring wiper. Seals will not get brittle and lose their ability to control oil. All seals are metal cased for positive fitment on valve guides. RS Series have a reduced outside diameter ideally suited for triple and double spring applications where clearance is a problem.

Part#	Description
530380	.530" guide OD 3/8" valve
560380	.560" guide OD 3/8" valve
5001132	.500" guide OD 11/32" valve
5301132	.530" guide OD 11/32" valve
530516	.530" guide OD 5/16" valve
5621132	.562" guide OD 11/32" valve
5001132RS	.500" guide OD 11/32" valve, reduced OD .540"
5301132RS	.530" guide OD 11/32" valve, reduced OD .570"

Stud Girdles

Stud girdles help eliminate stud movement that changes valve actuation, due to flex and angle changes. PBM Stud Girdles are manufactured from 6061-T6 aluminum for maximum durability.



Part#	Description
400	Brodix, AFR, Chevy w/ 60-40 stud spacing 1 pc design 7/16" stud
401F	SBF w/ 3/8 stud 1 pc design - Stock Ford - UltraLite
402F	SBF w/ 7/16 stud 1 pc design - Stock Ford - UltraLite
403	BBC O.E. Iron heads 1 pc design 7/16 stud
404F	SBF AFR 7/16 stud - Dart/World
405	SBF Canfield 195 1 pc design 7/16 stud
409	SBC UltraLite 1pc 7/16 stud & Vortec - center bolt valve covers
410	SBC w/ 3/8 stud, 1 pc design - Ultralite, Vortec - center bolt vc
411	SBC Pro Series 7/16 stud
412	SBF Pro Series 7/16 stud - Fits World Windsor Sr.
413	SBC Motown iron - 7/16 stud - Pro style
415	SBC Profiler 7/16 stud - Pro Series
416	BBC Profiler 7/16 stud - Pro Series
418	BBC Pro Series Merlin iron 7/16 stud
419	BBC Pro Series Merlin iron w/long valves 7/16 stud
422	BBC Pro1 / Merlin Aluminum - 7/16 stud - Pro style

Polylocks

Our Polylocks are made from 4130 Chrome moly(not zinc alloy) and are precision ground for minimum run-out. This design ensures that our polylocks will hold under the stress of high rpm engines. They are available in 3/8 and 7/16.



Part#	Description
0038-8	Roller Rocker 3/8"
0716-8	Roller Rocker 7/16"
407-8	Rocker/Girdle 7/16"
408-8	Rocker/Girdle 3/8"
409-8	BBC Intake 7/16"

Race Series Valves



Compare quality, design features and value
Best Performance Valve comparable to Competition's Best

Race Series Valves

Small Block Chevrolet						
Part# Length	Type	Head Dia	Stem Dia	Installed Height	O/A Length	Tip
2001	Exh	1.500	.3415	stock	4.925	.250
2002	Exh	1.500	.3415	+100	5.025	.250
2003	Exh	1.600	.3415	stock	4.925	.250
2004	Exh	1.600	.3415	+100	5.025	.250
2006	Exh	1.625	.3415	stock	4.925	.250
2007	Exh	1.625	.3415	+100	5.025	.250
2103	Int	1.940	.3415	stock	4.925	.250
2104	Int	1.940	.3415	+100	5.025	.250
2105	Int	2.020	.3415	stock	4.925	.250
2106	Int	2.020	.3415	+100	5.025	.250
2107	Int	2.055	.3415	stock	4.925	.250
2108	Int	2.055	.3415	+100	5.025	.250
2109	Int	2.080	.3415	stock	4.925	.250
2110	Int	2.080	.3415	+100	5.025	.250
2112	Int	2.125	.3415	+100	5.025	.250

Big Block Chevrolet						
Part# Length	Type	Head Dia	Stem Dia	Installed Height	O/A Length	Tip
2200	Exh	1.725	.3715	stock	5.420	.250
2202	Exh	1.880	.3715	stock	5.420	.250
2203	Exh	1.880	.3715	+100	5.520	.250
2204	Exh	1.880	.3415	+100	5.520	.250
2207	Exh	1.940	.3415	+100	5.520	.250
2208	Int	2.065	.3715	stock	5.220	.250
2209	Int	2.190	.3715	+100	5.350	.250
2210	Int	2.190	.3715	stock	5.220	.250
2211	Int	2.190	.3415	+100	5.350	.250
2212	Int	2.250	.3715	stock	5.220	.250
2213	Int	2.250	.3415	+100	5.350	.250
2214	Int	2.300	.3715	+100	5.350	.250

- One-piece forging EV-8 stainless alloy
- Hard chrome-plated stems
- Improved flow
- Undercut stem powerflow design
- Fully machined and swirl polished stem
- Hardened tips no lash cap required



Competition Series Valves



Advanced design features:

- Reduced valve weight by 10% improved valve control
- Backcut for improved airflow
- Hardened keeper groove
- Undercut stem & swirl polished head
- High strength PS824 forged stainless steel alloy
- Precision machined for consistent volume

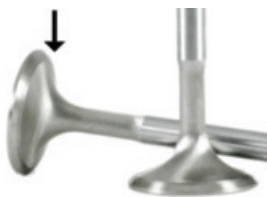


Small Block Chevrolet

Part#	Type	Head Dia	Stem Dia	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Power Flow Dia Stem Dia/Length
1001	Exh	1.500	.3415	stock	4.925	.250	15 x .525	.300 x 1.350
1002	Exh	1.500	.3415	+ .100	5.025	.250	15 x .525	.300 x 1.350
1003	Exh	1.600	.3415	stock	4.925	.250	15 x .525	.300 x 1.350
1004	Exh	1.600	.3415	+ .100	5.025	.250	15 x .525	.300 x 1.350
1005	Exh	1.600	.3415	+ .200	5.125	.250	15 x .525	.300 x 1.350
1006	Exh	1.625	.3415	stock	4.925	.250	15 x .525	.300 x 1.350
1007	Exh	1.625	.3415	+ .100	5.005	.250	15 x .525	.300 x 1.350
1008	Exh	1.625	.3415	+ .200	5.125	.250	15 x .525	.300 x 1.350
1127	Exh	1.600	.3415	+ .250	5.160	.250	15 x .525	.300 x 1.350
1130*	Exh	1.600	.3415	+ .600	5.510	.250	12 x .375	.300 x 1.350
1103	Int	1.940	.3415	stock	4.925	.250	12 x .400	.300 x 1.350
1104	Int	1.940	.3415	+ .100	5.025	.250	12 x .400	.300 x 1.350
1105	Int	2.020	.3415	stock	4.925	.250	12 x .400	.300 x 1.350
1106	Int	2.020	.3415	+ .100	5.025	.250	12 x .400	.300 x 1.350
1114	Int	2.020	.3415	+ .200	5.125	.250	12 x .400	.300 x 1.350
1107	Int	2.055	.3415	stock	4.925	.250	12 x .400	.300 x 1.350
1108	Int	2.055	.3415	+ .100	5.025	.250	12 x .400	.300 x 1.350
1116	Int	2.055	.3415	+ .200	5.125	.250	12 x .400	.300 x 1.350
1109	Int	2.080	.3415	stock	4.925	.250	12 x .400	.300 x 1.350
1110	Int	2.080	.3415	+ .100	5.025	.250	12 x .400	.300 x 1.350
1115	Int	2.080	.3415	+ .200	5.125	.250	12 x .400	.300 x 1.350
1111	Int	2.100	.3415	stock	4.925	.250	12 x .400	.300 x 1.350
1112	Int	2.100	.3415	+ .100	5.025	.250	12 x .400	.300 x 1.350
1113	Int	2.125	.3415	+ .100	5.025	.250	12 x .400	.300 x 1.350
1119	Int	2.125	.3415	+ .250	5.160	.250	12 x .400	.300 x 1.350
1125*	Int	2.150"	.3415	+ .600	5.510	.250	12 x .375	.300 x 1.350

*Recommended for 18° Heads

Competition Series Valves have second backcut angles for improved airflow(except 1125, 1130)



LS1

ALL HAVE RADIUS GROOVE (BEAD-LOCK)

Part#	Type	Head Dia	Stem Dia	O/A Length	Tip Length
1117	Int	2.020	8mm	4.900	.160
1118	Int	2.055	8mm	4.900	.160
1120	Int	2.165	8mm	4.920	.170
1009	Exh	1.600	8mm	4.915	.160



Competition Series Valves

Big Block Chevrolet

Part#	Type	Head Dia	Stem Dia	Installed Height	O/A Length	Tip Length	Underhead Angle/Radius	Power Flow Dia Stem Dia/Length
1200	Exh	1.720	.3715	stock	5.420	.250	10 x .400	.320 x 1.250
1244 ¹	Exh	1.720	.3415	stock	5.450	.250	10 x .400	.320 x 1.250
1235*	Exh	1.850	.3415	+ .150	5.540	.250	10 x .400	.320 x 1.250
1236*	Exh	1.850	.3415	+ .250	5.640	.250	10 x .400	.320 x 1.250
1201	Exh	1.880	.3415	stock	5.420	.250	10 x .400	.320 x 1.250
1245 ¹	Exh	1.880	.3415	stock	5.450	.250	10 x .400	.320 x 1.250
1246 ¹	Exh	1.880	.3415	+ .100	5.540	.250	10 x .400	.320 x 1.250
1202	Exh	1.880	.3715	stock	5.420	.250	10 x .400	.320 x 1.250
1203	Exh	1.880	.3715	+ .100	5.520	.250	10 x .400	.320 x 1.250
1204	Exh	1.880	.3415	+ .100	5.520	.250	10 x .400	.320 x 1.250
1210	Int	2.190	.3715	stock	5.220	.220	12 x .400	.320 x 1.100
1209	Int	2.190	.3715	+ .100	5.320	.220	12 x .400	.320 x 1.100
1211	Int	2.190	.3415	+ .100	5.350	.220	12 x .400	.320 x 1.100
1212	Int	2.250	.3715	stock	5.220	.220	12 x .400	.320 x 1.100
1213	Int	2.250	.3415	+ .100	5.350	.220	12 x .400	.320 x 1.100
1215	Int	2.250	.3415	+ .250	5.494	.250	12 x .400	.320 x 1.100
1214	Int	2.300	.3715	stock	5.220	.220	12 x .400	.320 x 1.100
1216	Int	2.300	.3415	+ .250	5.494	.250	12 x .400	.320 x 1.100
1217	Int	2.300	.3415	+ .350	5.620	.250	12 x .400	.320 x 1.100
1222	Int	2.300	.3415	stock	5.250	.250	12 x .400	.320 x 1.100
1223	Int	2.300	.3415	+ .100	5.350	.250	12 x .400	.320 x 1.100
1218*	Int	2.350	.3415	+ .300	5.525	.250	12 x .400	.320 x 1.100
1219	Int	2.350	.3415	+ .350	5.620	.250	12 x .400	.320 x 1.100
1220*	Int	2.350	.3415	+ .400	5.675	.250	12 x .400	.320 x 1.100

*indicates 50 deg. valve seat note 1 indicates Inconel material



COMPETITION SERIES POWER FLOW

- High strength PS824 forged stainless steel alloy
- Precision machine face for consistent volume
- Precision ground keeper grooves eliminates stress risers
- Spiral polished fillet increase flow
- High flow underhead relief and lightweight design
- Hard chrome stems with oil retention surface
- Hard tips require no lash caps

Small Block Chrysler

1300	Int	2.020	.3725	stock	4.990	.224	12° x .375	.320 x 1.250
1302	Exh	1.600	.3725	stock	4.998	.224	12° x .375	.320 x 1.250

Big Block Chrysler

1308	Exh	1.740	.3720	stock	4.883	.289	12° x .375	.320 x 1.250
1310	Exh	1.810	.3720	stock	4.883	.289	12° x .375	.320 x 1.250
1312	Exh	1.880	.3720	stock	4.883	.289	12° x .375	.320 x 1.250
1313	Int	2.080	.3725	stock	4.873	.289	12° x .375	.320 x 1.250
1314	Int	2.140	.3725	stock	4.873	.289	12° x .375	.320 x 1.250

Small Block Ford

1003	Exh	1.600	.3415	stock	4.905	.250	15° x .525	.300 x 1.350
1400	Exh	1.600	.3415	stock	5.075	.393	15° x .525	.300 x 1.350
1403	Exh	1.710	.3415	stock	5.046	.252	15° x .525	.300 x 1.350
1103	Int	1.940	.3415	stock	4.925	.250	12° x .400	.300 x 1.350
1404	Int	1.940	.3415	stock	5.070	.393	12° x .400	.300 x 1.350
1105	Int	2.020	.3415	stock	4.925	.250	12° x .400	.300 x 1.350
1410	Int	2.190	.3415	stock	5.236	.268	12° x .400	.300 x 1.350
1412	Int	2.250	.3415	stock	5.236	.268	12° x .400	.300 x 1.350

Big Block Ford

1418	Exh	1.650	.3414	stock	5.064	.400	12° x .375	.300 x 1.350
1420	Exh	1.750	.3414	stock	5.064	.400	12° x .375	.300 x 1.350
1422	Int	2.080	.3415	stock	5.286	.340	12° x .375	.300 x 1.350
1424	Int	2.190	.3415	stock	5.286	.340	12° x .375	.300 x 1.350
1426	Int	2.244	.3415	stock	5.286	.340	12° x .375	.300 x 1.350

Performance Valve Springs



- Made from the highest quality alloys
- "Custom Wound" springs are engineered to endure stresses of high performance engines
- Each set is matched for load consistency
- Thousands of Engine Builders have come to rely on Erson Valve Springs



Hydraulic Cam Springs

Part#	Description	Pressure	Pressure	Bind	Lift	Retainer
3000	Single w/damper	1.250	120#@1.700	300#@1.250	1.160 .500 lift	E961001
3050	Dual w/damper	1.510	130#@1.880	330#@1.280	1.200 .600 lift	502/504S/507/511*
3100	Single w/damper	1.460	110#@1.800 100#@1.850	275#@1.250	1.150 .550 lift	502/502S/504S 506/511*
3150	Single w/damper	1.440	110#@1.530	250#@1.030	.925 .500 lift	502/502S/504S 506/511*
3175	Single w/damper	1.440	110#@1.680	280#@1.180	1.125 .510 lift	E961061
3200	Single w/damper	1.260	115#@1.800 135#@1.750	360#@1.200	1.160 .600 lift	E961001
3300	Single w/damper	1.440	110#@1.750	215#@1.250	1.086 .600 lift	502/502S/504S 506/511*
3325	Single w/damper	1.480	110#@1.800	310#@1.250	1.160 .550 lift	502/502S/504S 506/511*

Mechanical & Roller Springs

3200	Single w/damper	1.260	135#@1.750	360#@1.200	1.160 .550 lift	501/501S/500*
3400	Dual w/damper	1.440	140#@1.800	330#@1.200	1.125 .600 lift	502/502S/504S/ 506/511*
3051	Dual w/damper	1.510	140#@1.800	320#@1.250	1.200 .550 lift	502/504S/507/511*
3425	Dual w/damper	1.460	175#@1.850 150#@1.900	380#@1.250	1.150 .650 lift	502/502S/504S/ 506/511*
3450	Dual w/damper	1.460	125#@1.900 140#@1.850	415#@1.250	1.150 .650 lift	502/502S/504S/ 506/511*
3500	Single w/damper	1.540	155#@1.900	340#@1.300	1.200 .600 lift	502/502S/504S/507
3600	Dual w/damper	1.540	207#@1.900	500#@1.300	1.200 .660	502/502S/504S/507

Conical Oval Wire Springs

Absolute BEST valve spring for the LS1 or SBC engine



- Conical design oval wire valve spring will fit factory retainer
- Design delivers superior dampening
- Oval wire design allows higher valve lift and increased seat and nose pressures
- Ideal for hydraulic roller cam applications

LS1 Springs

Part#	Description	Installed Pressure	Open Pressure	Coil Bind	Max Lift	Retainer
3250	Conical wire beehive	110#@1.750	270#@1.200	1.050	.600	512/513

Roller Valve Springs - Cyloy Extreme

- Delivers consistent spring pressure beyond any normal spring Chrome Silicone Valve Springs
- Manufactured from high tech alloy with high metallurgical content
- CST process removes surface imperfections that create stress risers
- Reduced friction in inner & outer springs creates even transition within seat & max life pressure
- CST process improves the life of Cyloy springs with consistent spring pressures



**Race Proven
Time Tested**

Part#	Description	Seat Pressure	Open Pressure	Coil Bind	Max Lift	Retainer	
3840	Dual w/damper	1.550	200#@1.900	580#@1.200	1.080	.670	502/502S/504S/507/507S/508*/VTR741*
3850	Dual w/damper	1.550	230#@1.950	580#@1.300	1.250	.650	502/502S/504S/507/507S/508*/VTR741*
3860	Dual w/damper	1.560	240#@2.000	650#@1.250	1.190	.750	502/502S/504S/507/507S/508*/VTR741*
3870	Dual w/damper	1.625	235#@2.000	680#@1.250	1.150	.780	504S/507/507S/510*/VTR741*
3875	Dual w/damper	1.550	240#@2.100	670#@1.400	1.350	.700	507/507S/508*/VTR741*

OD Spring Locators

Part#	I.D.	O.D.	Spring O.D.
2601	0.687"	1.550"	1.440"
2602	0.640"	1.570"	1.475"
2603	0.630"	1.630"	1.510"
2604	0.640"	1.670"	1.565"
2605	0.640"	1.730"	1.650"
2610	0.630	1.740	1.540 .125 Thk

ID Spring Locators

Part#	I.D.	O.D.	Spring I.D.
2651	0.525"	1.290"	0.875"
2652	0.640"	1.540"	0.730"
2653	0.640"	1.620"	0.740"
2654	0.570"	1.500"	0.735"
2655	0.570"	1.625"	0.765"
2659	0.570"	1.550"	0.790"
2660	0.570"	1.570"	0.825"
2675	0.570"	1.300"	0.875"
2677	0.570"	1.300"	0.675"
2679	0.570"	1.550"	0.690"
2681	0.570"	1.500"	0.850"
2682	0.570"	1.550"	0.810"
2685	0.570"	1.655"	0.630"
2686	0.520"	1.270"	0.680"
2687	0.520"	1.270"	0.600"



FSP Professional Racing Valve Springs



Designed for the professional and sportsman racer - oval track, endurance and drag racing. Specially formed structural process provides the highest levels of performance and durability to date by any steel spring. FSP Springs use super-clean, ultra-strong, specially blended steel alloy of the highest quality to provide longer life for maximum value.

Oval Track - Endurance Racing - Drag Racing

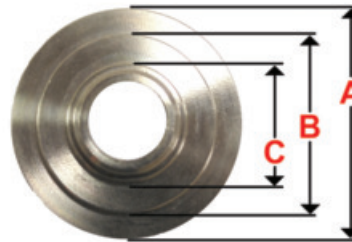
Part#	O.D.	I.D.	Seat Pressure	Open Pressure	Coil Bind	Spring Rate	Max Lift
E915042-Ideal for small block Chevy high-lift, high RPM oval track/drag race applications.							
E915042-DUAL	1.580	.828	249#@2.050	650#@1.270	1.200	514	.800
E915043-Designed for use in the demanding oval track market using roller tappet camshafts or where the increased spring pressure is required for maximum performance.							
E915043-DUAL	1.580	.832	235#@1.950	640#@1.250	1.170	536	.730
E915044-Similar to the E915043 as shown above, this spring is designed for use where a slightly taller assembled height is available and a slightly higher spring rate.							
E915044-DUAL	1.610	.842	245#@2.050	660#@1.300	1.220	547	.780
E915047-Drag race high-lift, high-load application with shorter installed height							
E915047-TRIPLE	1.675	.874	320#@2.050	925#@1.270	1.200	753	.780
E915046-Targeted primarily for classes that require stock size and configuration valve springs, the 1.750" installed height allows for .600" + lift with a hydraulic or mechanical flat tappet camshaft.							
E915046-SINGLE	1.255	.830	115#@1.750	350#@1.175	1.100	409	.600
E915045-LS1 high-lift Hydraulic Roller							
E915045-DUAL	1.290	.945	150#@1.810	400#@1.150	1.100	378	.660
E915041-LS1 factory diameter Solid Roller							
E915041-DUAL	1.274	.630	250#@1.800	700#@1.050	.985	600	.750

Professional Drag Racing

Part#	O.D.	I.D.	Seat Pressure	Open Pressure	Coil Bind	Spring Rate	Max Lift
E915160-Designed for use in serious bracket class applications using normally aspirated engines, these springs will allow the racer to have the consistency required to win round after round.							
E915160-DUAL	1.640	.860	240#@2.000	825#@1.150	1.070	650	.880
E915170-Similar to the 915160, except with a slightly taller installed height and increased seat pressure, yet nearly identical open pressure.							
E915170-DUAL	1.640	.860	280#@2.100	794#@1.250	1.150	605	.900
E915048-Primarily for supercharged alcohol and fuel use, these springs deliver the open pressures required to maintain valve train stability, RPM and long spring life. The springs are also an excellent choice for Pro Stock Truck, Competition Eliminator and Pro Mod engine applications.							
E915048-TRIPLE	1.677	.635	346#@2.100	1014#@1.200	1.142	742	.900
E915049-TRIPLE	1.677	.632	350#@2.200	1073#@1.200	1.142	728	1.005
E915050-Use for supercharged alcohol and fuel use like the E915048 as shown above, also great for Blown Alcohol applications. This is the ultra-version heat-treated valve spring.							
E915050-TRIPLE	1.667	.632	375#@2.200	1145#@1.200	1.142	770	1.005
E915055-Similar to the E915049 as shown above, designed for 1/4 mile Drag Race applications where longer valves are used.							
E915055-TRIPLE	1.667	.635	415#@2.300	1215#@1.250	1.180	765	1.070

Chrome Moly Retainers

These retainers are machined from aircraft-quality, chrome-moly, alloy-steel that far exceeds the industry standards for steel retainers. All retainers are heat-treated to 46-50 "Rockwell-C", then tumbled and finished with black-oxide to prevent rust. Erson Chrome-Moly Retainers, deliver incredible strength, with just slightly more weight than more expensive titanium retainers. Chrome-moly retainers are designed for Street, Off-Road and all but the most severe racing applications. They are ideal for Oval-Track racing.



Part#	A	B	C
501	1.260	.880	.685
501s	1.210	.750	.610
502	1.440	1.060	.710
502s	1.440	1.060	.710
504s	1.445	1.060	.710
505	1.415	1.135	.750
505p	1.494	1.136	.635
506	1.450	1.060	.710
507	1.510	1.130	.710
507s	1.486	1.137	.735
513	.936	.645	N/A
518	1.300	.940	.680
519	1.245	.824	.739

Chrome -Moly 7° Retainers

Part#	Description	Spring Type	Stem Size	Install Height	Lock Degree	Fits PBM/ Erson Spring
501S	Steel 1.250 OD (stamped)	Single	11/32	Std	7 degree	3000-3200
501	Chrome moly 1.250 OD	Single	11/32	Std	7 degree	3000-3200-E915045
502	Chrome moly 1.43-1.550 OD	Single/Dual	11/32	+ .100	7 degree	3050-3100-3150-3200-3300-3325-3400-3425-3450-3500-3600-3800-3840-3850-3860
502S	Chrome moly 1.43-1.550 OD	Single/Dual	11/32	Std	7 degree	3050-3100-3150-3200-3325-3400-3425-3450-3500-3600-3800-3840-3850-3860
504S	Chrome moly 1.43-1.550 OD	Dual	3/8	Std	7 degree	3050-3100-3150-3300-3325-3400-3425-3450-3500-3600-3800-3840-3850-3860-3870
505P	Chrome moly 1.54-1.630 OD	Dual/Triple	3/8	+ .150	7 degree	3500-3600-3800-3840-3850-3860-3870-3875
513*	Steel .935 OD	Single	5/16 or 8mm	Std	7 degree	3250
*LS1 (Use PBM200 locks with these part numbers)						
518	Steel	Dual	5/16 or 8mm	Std	7 degree	E915045

Chrome -Moly 10° Retainers

Part#	Description	Spring Type	Stem Size	Install Height	Lock Degree	Fits PBM/ Erson Spring
506	Chrome moly 1.437-1.55 OD	Dual	Any	+ .050	10 degree	3100-3150-3300-3325-3400-3425-3450
507	Chrome moly 1.55-1.630 OD	Dual	Any stem size	+ .100	10 degree	3050-3500-3600-3800-3840-3850-3860-3870-3875
507S	Chrome moly 1.55-1.630 OD	Dual	Any	Std	10 degree	3500-3600-3800-3840-3850-3860-3870-3875
519	Chrome moly 1.240 OD	Single	Any stem size	+ .050	10 degree	E915046

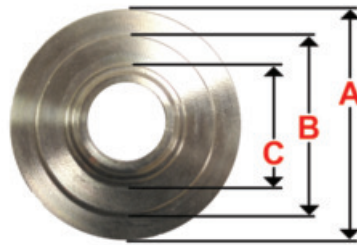


Titanium Retainers

Designed for all out Professional Drag Racing and other severe duty applications, Erson Titanium Retainers are made from aircraft-certified, 6AL-V4 grade, bar stock. The tremendous high-temperature strength and ductility of this material makes it ideal for these types of applications. Erson's Titanium Retainers will lower effective retainer mass approximately 40% compared to steel retainers- with no loss of dependability.

NOTE: Titanium retainers are designed for exclusive use with our 10° valve locks. They are not compatible with standard locks.

Part#	A	B	C
500	1.165	.880	.635
508	1.510	1.120	.720
509	1.515	1.150	.650
510	1.510	1.170	.755
511	1.460	1.065	.715
512	.935	.641	N/A
514	1.300	.940	.630
515	1.200	.890	.600
516	1.495	1.175	.850
517	1.590	1.150	.825
520	1.152	.825	.620
741	1.500	1.120	.740
743	1.500	1.180	.815
747	1.500	1.165	.835



Titanium 7° Retainers

Part#	Description	Spring Type	Stem Size	Install Height	Lock Degree	Fits PBM/ Erson Spring
500	Titanium 1.250 OD	Single	11/32	+.070	7 degree	3000-3200
512*	Titanium .935 OD	Single	5/16 or 8MM	Std	7 degree	3250
514*	Titanium	Dual	5/16 or 8MM	Std	7 degree	E915045
515**	Titanium	Dual	5/16 or 8MM	Std	Mini 8 degree	E915041
520	Titanium	Dual	11/32	+.070	7 degree	E915046

*LS1 (Use PBM200 locks with these part numbers)
** Use PBMVL7004

Titanium 10° Retainers

Part#	Description	Spring Type	Stem Size	Install Height	Lock Degree	Fits PBM/ Erson Spring
508	Titanium 1.55-1.630 OD	Dual	Any stem size	+.080	10 degree	3500, 3600, 3800, 3840, 3850, 3860, 3875
509	Titanium 1.55-1.630 OD	Triple	Any	+.080	10 degree	3900, E915048, E915049, E915050, E915055
510	Titanium 1.55-1.630 OD	Dual	Any	+.080	10 degree	3870
511	Titanium 1.430-1.500 OD	Dual/Triple	Any	+.110	10 degree	3050, 3100, 3150, 3300, 3325, 3400, 3425, 3450
516	Titanium 1.500"-1.640"x.850"	Dual	Any	+.080	10 degree	E915160, E915170
517	Titanium 1.500"-1.610"x.825"	Dual	Any	+.080	10 degree	E915043, E915044, E915042

Titanium Super 7° Retainers

Part#	Description	Spring Type	Stem Size	Install Height	Lock Degree	Fits PBM/ Erson Spring
VTR741	Super 7° Titanium Pro Series 1.500"x1.120"x.730"	Dual	11/32	+.020	Super 7 degree	3840, 3850, 3860, 3870, 3875, 3600, 3500, 3800
VTR743	Super 7° Titanium Pro Series 1.500"x1.140"x.815"	Dual	11/32	+.020	Super 7 degree	E915043
VTR747	Super 7° Titanium Pro Series 1.500"x1.160"x.835"	Dual	11/32	+.020	Super 7 degree	E915043, E915044, E915160, E915042, E915170

Steel & Titanium Valve Locks

Erson Machined Valve Locks are formed from alloy-steel and heat-treated for maximum strength and durability, these locks are 3-times stronger than Original-Equipment Valve Locks. Our machined locks are economical and are recommended for moderate competition applications without ultra-high spring pressures and minimal valve float.



Our high-strength, 4130 Valve Locks are designed for serious competition, high-spring loads, and applications where valve-float cannot be avoided. These valve locks are precision machined from chrome-moly bar stock and heat-treated to 38-42 "Rockwell-C", then plated for identification. Use these locks with steel or titanium retainers only.



7° Valve Locks

Part#	Description	Stem Size	Bead Location
200	Machined	5/16 Radius groove	stock
201	Machined	11/32	stock
202	Machined	3/8	stock
205	Stamped	11/32	stock
205+50	Stamped	11/32	+ .050
205-30	Stamped	11/32	-.030
205-60	Stamped	11/32	-.060
206	Stamped	3/8	stock
206+50	Stamped	3/8	+ .050
206-30	Stamped	3/8	-.030
206-60	Stamped	3/8	-.060

10° Valve Locks

Part#	Dscrptn	Stem Size	Bead Location
203	Machined	11/32 Conventional groove	stock
203+50	Machined	11/32 Conventional groove	+ .050
203-50	Machined	11/32 Square groove	-.050
204	Machined	3/8 Conventional groove	stock
VL7013	Machined	5/16 Radius groove	stock
VL7013-8	Machined	5/16 Radius groove 1/2 set	stock
VL7014	Machined	5/16 Radius groove	+ .050
VL7014-8	Machined	5/16 Radius groove 1/2 set	+ .050
VL7015	Machined	11/32 Radius groove	stock
VL7015-8	Machined	11/32 Radius groove 1/2 set	stock
VL7016	Machined	11/32 Radius groove	+ .050
VL7016-8	Machined	11/32 Radius groove 1/2 set	+ .050

Valve Locks Bulk - 100 pairs

Part#	Dscrptn	Stem Size	Bead Location
205-100	Stamped	11/32	stock
205-30-100	Stamped	11/32	-.030
205-60-100	Stamped	11/32	-.060
206-30-100	Stamped	3/8	-.030
206-60-100	Stamped	3/8	-.060



Super 7° Valve Locks

- Bead lock groove design offers superior strength over square lock
- Outside angle provides precision locking that is identical from side- to-side
- Heat-treated and black-oxidized 4130 Chrome-Moly bar stock
- Available in Lightweight Titanium

Steel Super 7° Valve Locks

Part#	Description
VL7005-8	5/16 - Radius groove- +.050 1/2 set
VL7006-8	5/16 - Radius groove - 1/2 set
VL7007-8	5/16 - Conventional groove - 1/2 set
VL7008	11/32 - Radius groove
VL7008-8	11/32 - Radius groove - 1/2 set
VL7009	11/32 - Radius groove - +.050
VL7009-8	11/32 - Radius groove - +.050 1/2 set
VL7010	11/32 - Conventional groove
VL7010-8	11/32 - Conventional groove - 1/2 set
VL7011	11/32 - Conventional groove - +.050

Titanium Super 7° Valve Locks

Part#	Description
VL7000-8	5/16 - Radius groove- +.050 1/2 set
VL7001-8	5/16 - Radius groove - 1/2 set
VL7002	11/32 - Radius groove
VL7002-8	11/32 - Radius groove - 1/2 set
VL7003	11/32 - Radius groove - +.050
VL7003-8	11/32 - Radius groove - +.050 - 1/2 set



VALVE TRAIN KITS

Valve Train Kits

All components are carefully selected & matched for every kit combination. Valves are one piece stainless with HD chrome plating not flash plating. 2000 Series are EV8 & 1000 Series are PS824 forged stainless. Custom kits are built to your requirements.



Kit Contents include:

- 8 intake valves
- 8 exhaust valves
- Valve spring set
- Valve locks
- Guideplates
- Chrome moly retainers
- Rocker studs
- Premium valve seals

Options: Titanium retainers, titanium valves, shaft systems & CNC heads.

Big Block Chevrolet

3050VT Hydraulic Kit 11/32

- 16 - 3050 valve springs 120#@1.880 .600 lift
- 8 - 1215 2.250 11/32 intake valves
- 8 - 1201 1.880 11/32 exhaust valves
- 1 set - 502 retainers 7 degree
- 1 set - 201 machined 7 degree 11/32 locks
- 1 set - 5183 rocker studs
- 1 set - 602 guideplates
- 1 set - 5301132 .530 guide OD 11/32" valve seals

3425VT Mechanical Kit 11/32

- 16 - 3425 valve springs 125#@1.900 .650 lift
- 8 - 1215 2.250 11/32 intake valves
- 8 - 1201 1.880 11/32 exhaust valves
- 1 set - 502 retainers 7 degree
- 1 set - 201 machined 7 degree 11/32 locks
- 1 set - 5183 rocker studs
- 1 set - 602 guideplates
- 1 set - 5301132 .530 guide OD 11/32" valve seals

3870VT Roller Kit 11/32

- 16 - 3870 valve springs 235#@2.000 .780 lift
- 8 - 1216 2.300 .250L 11/32 intake valves
- 8 - 1204 1.880 11/32 +100 exhaust valves
- 1 set - 510 titanium retainers
- 1 set - 203 10 degree locks
- 1 set - 5183 rocker studs
- 1 set - 602 guideplates
- 1 set - 5301132 .530 guide OD 11/32" valve seals

LS1 Chevrolet

K325 LS1 Kit

- 16 - 3250 valve springs 110#@1.750 .600 lift
- 8 - 1009 1.600 exhaust valves
- 8 - 1117 2.020 intake valves
- optional: 1118 2.055 intake valves
- 1 set - 513 Steel Retainers
- 1 set - 200 7° locks
- 1 set - 2675 Spring cups
- 1 set - valve seals OS964

Small Block Chevrolet

K30 3000 Hydraulic Kit

- 16 - 3000 valve springs 1.250 OD 110# @1.700 .500 lift
- 8 - 2.02 - 2.055 2.080 Std - +100 +200 int valve
- 8 - 1.600 Std +100 +200 exh valve
- 1 set - 501s retainers 7 deg chrome moly
- 1 set - 205 HD 7 deg valve keepers
- 1 set - 5180 3/8 screw-in rocker studs
- 1 set - 601 guideplates
- 1 set - 5301132 .530 guide OD 11/32" valve seals

K31 3100 Hydraulic Kit

- 16 - 3100 valve springs 1.460 OD 110# @1.800 .550 lift
- 8 - 2.02 - 2.055 2.080 Std - +100 +200 int valve
- 8 - 1.600 Std +100 +200 exh valve
- 1 set - 502s retainers 7 deg chrome moly
- 1 set - 205 HD 7 deg valve keepers
- 1 set - 5180 3/8 screw-in rocker studs
- 1 set - 601 guideplates
- 1 set - 5301132 .530 guide OD 11/32" valve seals

K34 3400 Mechanical Flat Tappet Kit

- 16 - 3400 valve springs 1.460 OD dualw/damper 135# @1.800 320#@1.200 .600 lift
- 8 - 2.02 - 2.055 2.080 Std - +100 +200 int valve
- 8 - 1.600 Std +100 +200 exh valve
- 1 set - 502s retainers 7 deg chrome moly
- 1 set - 201 machined 7 degree 11/32 locks
- 1 set - 5182 7/16 190,000 psi screw-in rocker studs
- 1 set - 601 guideplates
- 1 set - 5301132 .530 guide OD 11/32" valve seals

K36 3600 Mechanical Roller Kit

- 16 - 3600 valve springs 1.540 OD dual w/damper 190# @1.900 480#@1.250 .660 lift
- 8 - 2.02 - 2.055 2.080 Std - +100 +200 int valve
- 8 - 1.600 Std +100 +200 exh valve
- 1 set - 506 retainers 10 deg chrome moly
- 1 set - 203 10 deg valve keepers
- 1 set - 5182 7/16 190,000 psi screw-in rocker studs
- 1 set - 601 guideplates
- 1 set - 5301132 .530 guide OD 11/32" valve seals

K385 Extreme Duty 3850 Kit Cyloy Extended Roller Kit

- 16 - 3850 valve springs 1.550 OD dualw/damper 220# @1.950 580#@1.230 .720 lift
- 8 - 2.02 - 2.055 2.080 Std - +100 +200 int valve
- 8 - 1.600 Std +100 +200 exh valve
- 1 set - 507 retainers 10 deg chrome moly
- 1 set - 203 10 deg valve keepers
- 1 set - 5182 7/16 190,000 psi screw-in rocker studs
- 1 set - 601 guideplates
- 1 set - 5301132 .530 guide OD 11/32" valve seals

CUSTOM KITS ARE OUR SPECIALTY
Call With Your Specs

Stock Replacement Lifters



PART#	APPLICATION	CYL	CID	YEAR	TYPE
HA817	GM	4	153	70-62	HYD
		6	140-145-164-200-215-229-260-262-268	86-60	HYD
		8	ALL EXC DIESEL & '80 4.9L	86-55	HYD
		8	267-305-307-348-350-366-409-427-454 EXC ROLLER & DIESEL	95-60	HYD
HA900	FORD	4	140-153-HSC	94-79	HYD
		6	182-231-240-300	84-65	HYD
		8	221-255-260-289-302-351-370-400-429-460	94-62	HYD
HA951	GM	4	195	63-61	HYD
		8	260-307-316-326-330-336-347-348-350- 389-400-403-421-455	84-55	HYD
HA969	AMC	4	151	83-80	HYD
		8	350	71-70	HYD
	GM	4	112-121-140-151-153	94-62	HYD
		6	184-194-196-230-231-250-252-292- BRAZIL 4.6L	90-62	HYD
HA2011	AMC	4	150	88-83	HYD
		6	196-199-232-258	88-61	HYD
HA2012	CHRYSLER	8	350	ALL	HYD
		4	150-151	00-82	HYD
		6	232-242-258	00-65	HYD
	NAVISTAR/I.H.C.	8	239-273-304-318-327-340-360-401	89-65	HYD
		6	232-258	75-70	HYD
		8	404-446	82-72	HYD
		4	122-140	94-74	HYD
HA2012	FORD	4	122-140	94-74	HYD
	MAZDA	4	2.3L	96-94	HYD
HA2079	GM	4	151-ROLLER	93-85	ROLLER
		6	204-231-262	00-86	ROLLER
		8	249-265-275-300-305-350	00-87	ROLLER
HA2083	FORD	6	144-170-179-200-250	92-63	HYD
		6	GREAT BRITAN	87	HYD
		8	330-332-341-352-359-360-361-389-390- 391-410-427-428-429-430-462	78-55	HYD
HA2095	AMC	6	173	87-84	HYD
	GM	6	173-189	93-80	HYD
HA2205	FORD	6	182-231	00-89	ROLLER
		8	302-351	00-85	ROLLER
MA872	MAZDA	8	3.0L	96-94	ROLLER
	FORD	6	144-159-170-171	92-60	MECH
MA914	FORD	8	279-302-317-332-352-390-401-406-427- 428-475-477-534	81-52	MECH
		8	260-289-302-351C-400-429 HI-PERF	94-62	MECH
MA992	GM	4	153	70-62	MECH
		6	140-145-164-194-200-229-230-250-292	84-60	MECH
		8	283-301-302-305-307-326-327-348-350- 370-389-400-402-421-427-454-455	88-55	MECH
MA2084	CHRYSLER	6	170-198-225	87-60	MECH
		8	250-273-318-340-360-361-383-400-413- 426-440	89-57	MECH

Hydraulic Roller & Solid Flat Tappet Lifters



Street Series Hydraulic Roller Lifters

- Ideal for Street Performance
- Affordable
- Precision formed bodies
- Bodies are carbon-nitrided and tempered
- Roller wheel hardened steel alloy
- Roller pins posi-locked in place
- Tie-Bars heat-treated stainless steel
- Tie-bar button High strength alloy steel

Part#	Description	Wheel Diameter	Body Diameter
SL539	Buick V-6 Turbo	.700	.842
SL540	Pontiac Retro-Fit 400-421-428-455	.700	.842
SL541	Oldsmobile 400-403-425-455	.700	.842
SL929	SBC Non-Retro-Fit Fits blocks 87-93 with Hyd Roller	.700	.842
SL930	SBC Retro-Fit 265-400	.700	.842
SL931	BBC Retro-Fit Early Blocks	.700	.842
SL960	SBF Mechanical Roller Street Series	.700	.875
SL962	Ford Retro-Fit Windsor 260-302-351-400 cid	.700	.875
SL963	Ford Retro-fit BB 429-460 and FE engines	.700	.875
SL967	SB Mopar Magnum engine or early LA w/Magnum heads	.700	.903
SL969	Chrysler "B"383-440	.700	.903
SL973	LS1 Hydraulic with Tie-bars	.700	.842
SL975	409 Chevy retro fit	.700	.842

Solid Flat Tappet Lifters

HIGHEST QUALITY SLIPPER CROWN

FLAT TAPPET LIFTERS ON THE MARKET



2RA finish

- All new design for racing applications requiring solid flat tappet lifters
- Forged lifter body manufactured to much tighter tolerances for consistent diameter and proper radius on lifter crown
- Body and lifter face have a superior finish for optimum lifter performance
- Hard face bottom with precision crown with .012 oil hole for additional oil supply

Part#	Description
ML535	V8 with .842 dia w/.012 oil hole in tappet face

PRO RACE Series Roller Lifters



- Lifter body manufactured from billet alloy steel
- Machined to exact tolerances heat-treated for unparalleled wear resistance
- Roller wheel manufactured high strength alloy .750" diameter for correct cam geometry
- Full .360° wide contact area on camshaft
- Axle through heat-treated steel *the strongest in the business*
- Tie-bar heat-treated stainless steel
- Pushrod seat counterbored for min weight & max contact area
- Steel buttons with precision formed alloy steel for permanent attachment
- Hydraulic roller Eaton-style oil metering design for precision oil control
- Horizontal tie-bar designed to make camshaft change w/out manifold removal

Part#	Description	Wheel Diameter	Body Diameter
SB CHEVROLET-Solid Roller			
RL940	Horizontal tie-bar	.750	.842
RL955	.300 tall bowtie vertical tie-bar	.750	.842
SB CHEVROLET-Solid Roller			
RL930	Vertical tie-bar	.750	.842
RL934	Vertical tie-bar High RPM	.750	.842
LS1-Roller Lifters			
RL970	High lift Hydraulic roller	.750	.842
RL971	Solid roller std & high lift Fits stock rocker boxes	.750	.842
RL972	Solid roller vertical tie-bar std & high lift	.750	.842
RL973	Hydraulic roller vertical tie-bar	.750	.842
RL974	Hyd roller Hi-RPM Warhawk	.750	.842
RL975	Hydraulic roller vertical HI-RPM	.750	.842
BB CHEVROLET-Solid Roller			
RL941	Horizontal tie-bar	.750	.842
RL925	.300 tall vertical tie-bar	.750	.842
BB CHEVROLET-Hydraulic			
RL931	Vertical tie-bar	.750	.842
RL932	Hydraulic on center HI RPM	.750	.842
SB FORD WINDSOR -260-302-351-400			
RL960	Solid roller vertical tie-bar	.750	.875
RL962	Hydraulic roller vertical tie-bar Limited travel	.700	.875
RL966	Hydraulic roller tie-bar PRO	.750	.875
FORD FE-352-390-410-428 CID			
RL958	Solid roller vertical tie-bar	.750	.875
FORD BIG BLOCK-429-460 CID			
RL957	Solid roller vertical tie-bar	.750	.875
RL963	Hydraulic roller vertical tie-bar	.750	.875
CHRYSLER-318-340-360 CID			
RL965	Solid roller vertical tie-bar	.750	.903
CHRYSLER-B ENGINE and HEMI			
RL968	Solid roller vertical tie-bar	.750	.903





New Erson BLACK MAGIC Roller Lifters Made by Morel for Erson

Erson Cams new Black Magic extreme load roller lifters utilize full-time pressurized oiling to the lifter wheel, which creates an oil wedge between the axle and wheel for dramatically improved load bearing capability. A special .470" diameter axle made from advanced, high strength B624L matrix material is employed with the pressurized oiling. This design results in an .842" lifter which has the load bearing capacity of a much larger 1.00" roller lifter. The Lifter body is treated with DLC (Diamond Like Coating) for reduced friction and increased wear durability.



BLACK MAGIC Roller Lifters

Part#	Description	Body Diameter
SB CHEVROLET		
RL995	+.300 Tall On Center	.842"
RL996	+.300 Tall .180 L&R Offset	.842"
BB CHEVROLET		
RL997	+.300 Tall On Center	.842"
RL998	+.300 Tall .180 L&R Offset	.842"
LS CHEVROLET		
RL999	+.300 Tall On Center, Fits 5&6 Head Bolt Pattern	.842"

Professional Series ES Ultra Roller Lifters

- Pressurized Oil Circuit Lubricates Roller, Axle & Bearings
- Body Diameters available .842, .875, .903, .936
- Hardened Pushrod Seat
- Optional Nose Roller sizes available .750, .810, .850
- Precision machined from exotic alloys
- Delivers over twice the cycle life of conventional lifters
- Superior finish on all bodies
- All Erson Ultra Series Roller Lifters are rebuildable



ULTRA SERIES Roller Lifters

Part#	Description	Wheel Diameter	Body Diameter
SB CHEVROLET			
RL981	+.300 on center	.750	.842
RL956	+.300 .180 offset	.750	.842
RL983	+.300 .200 offset	.810	.903
RL989	+.300 on center	.810	.903
BB CHEVROLET			
RL982	+.300 on center	.750	.842
RL985	+.300 .180 offset	.750	.842
RL987	+.300 on center	.810	.903
RL988	+.300 - .200 offset	.810	.903
LS CHEVROLET			
RL976	ON CENTER	.810	.903
RL980	ON CENTER	.750	.842
SB FORD			
RL992	STD on center	.750	.875
RL993	180 right int.	.750	.875
RL994	STD ON CENTER	.810	.903

ULTRA SERIES HI-Pressure Needle-Less Bushed Wheel Roller Lifters

Part#	Description	Wheel Diameter	Body Diameter
SB CHEVROLET			
RL901	+.300 on center	.750	.842
RL902	+.300 .180 offset	.750	.842
RL903	+.300 .200 offset	.810	.903
BB CHEVROLET			
RL906	+.300 on center	.750	.842
RL907	+.300 on center	.810	.903
RL991	+.300 .180 offset	.810	.903
SB FORD			
RL908	STD on center	.750	.875
BB FORD			
RL909	STD ON CENTER	.750	.875
RL913	.180 INT OFFSET	.810	.903

Keyway Roller Lifters

BUSCH/NASCAR Keyway Roller Lifters

- Busch/NASCAR Truck Series
- .936 Body .850 Nose Roller

Part#	Description
RL910	NASCAR Keyway Lifter .936 Body .850 Solid Nose Roller
RB910	Bushing with keyway slot to be used with RL910



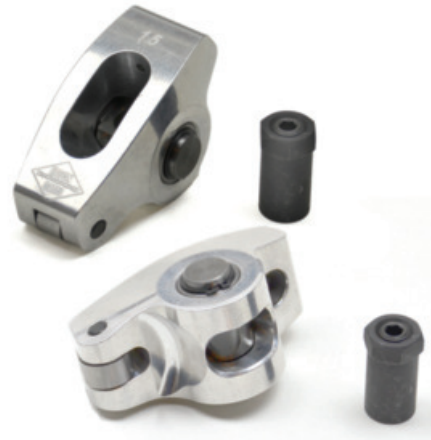
Rocker Arms

Extreme Duty Rocker Arms

SMALL BLOCK CHEVROLET	
Part#	Description
800-16	1.5 3/8
800-8	1.5 3/8 1/2 set
801-16	1.5 7/16
801-8	1.5 7/16 1/2 set
802-16	1.6 3/8
802-8	1.6 3/8 1/2 set
803-16	1.6 7/16
803-8	1.6 7/16 1/2 set
808-16	1.5 7/16 .150 offset
809-16	1.6 7/16 .150 offset
811-16	1.5 3/8 narrow body
811-8	1.5 3/8 narrow body 1/2 set
812-16	1.6 3/8 narrow body
812-8	1.6 3/8 narrow body 1/2 set
814-16	1.5 3/8 tip aligning narrow body
814-8	1.5 3/8 tip aligning narrow body 1/2
815-16	1.6 3/8 tip aligning narrow body
815-8	1.6 3/8 tip aligning narrow body 1/2 set
BIG BLOCK CHEVROLET	
805-16	1.7 7/16
805-8	1.7 7/16 1/2 set
SMALL BLOCK FORD	
806-16	1.6 3/8
806-8	1.6 3/8 1/2 set
807-16	1.6 7/16
807-8	1.6 7/16 1/2 set

Extreme Duty Rockers

- Recommended for Mechanical & Roller Cams
- Designed to clear most large OD Valve Springs
- Heavy Duty Nose Roller & Axle
- Designed for High Spring Loads
- Aircraft quality alloy



Erson Street Series Rocker Arms are recommended for Street/Hydraulic Cams, mild street performance. Great with lower spring loads. Extruded aluminum, precision clearances with tolerance of $\pm .001$. Oversized nose roller for superior load distribution. Roller trunion, roller tip. Red anodize finish. Each set includes polylocks.

Street Series Rocker Arms

SMALL BLOCK CHEVROLET	
Part#	Description
800-16	1.5 3/8
100-16	1.5:1, 3/8"
101-16	1.5:1, 7/16"
102-16	1.6:1, 3/8"
103-16	1.6:1, 7/16"
BIG BLOCK CHEVROLET	
105-16	1.7:1, 7/16"
SMALL BLOCK FORD	
106-16	1.6:1, 3/8"
107-16	1.6:1, 7/16"





Rocker Arms - Steel

High strength cast steel alloy heat-treated to resist rocker arm flex. Hardened roller tip reduces friction and increases HP potential over OEM stock rocker arms. SBC rocker arms feature long slot design for added clearance and increased oil metering which improves oil flow to the pivot area. Limited hydraulic or mild mechanical lift cams.



Roller Tip & Stamped Rockers

SMALL BLOCK CHEVROLET

Part#	Description
120-16	1.5:1, 3/8" Cast
121-16	1.6:1, 3/8" Cast
135-16*	1.5:1 long slot Stamped
136-16*	1.5:1 long slot (rail type) Stamped
137-16*	1.6:1 long slot (rail type) Stamped

*Not Roller Tip

BIG BLOCK CHEVROLET

122-16	1.7:1, 7/16" Cast
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Professional Series Pushrods

- 5/16 .120" wall pushrods
- 7/16 .165" wall pushrods
- Optimum stiffness to provide adequate clearance to the head, lifter and lifter bore
- One piece construction with die formed ends
- Seamless SAE 4340 chrome moly
- 210° clearance radius ends for increased load bearing surface
- Superior strength reduced deflection and valve bounce
- Laser etched lengths for easy identification
- Pushrods are available in .050 length increments

**ONE PIECE SEAMLESS
4340 CHROME MOLY**

DUAL TAPER .165" OR .120" WALL

LASER ETCHED LENGTHS

DIE FORMED ENDS

210° CLEARANCED RADIUS ENDS



7/16 .165" Wall Pushrods

Part#	Description
1979-8	8.400" 7/16 .165 wall
1980-8	8.450" 7/16 .165 wall
1981-8	8.500" 7/16 .165 wall
1982-8	8.550" 7/16 .165 wall
1983-8	8.600" 7/16 .165 wall
1984-8	8.650" 7/16 .165 wall
1985-8	8.700" 7/16 .165 wall
1986-8	8.750" 7/16 .165 wall
1850-8	8.800" 7/16 .165 wall
1851-8	8.850" 7/16 .165 wall
1852-8	8.900" 7/16 .165 wall
1858-8	9.200" 7/16 .165 wall
1859-8	9.250" 7/16 .165 wall
1860-8	9.300" 7/16 .165 wall
1861-8	9.350" 7/16 .165 wall
1862-8	9.400" 7/16 .165 wall
1864-8	9.500" 7/16 .165 wall
1867-8	9.700" 7/16 .165 wall
1868-8	9.750" 7/16 .165 wall
1869-8	9.800" 7/16 .165 wall
1871-8	9.900" 7/16 .165 wall

5/16 .120" Wall Pushrods

Part#	Description
28350-8	8.350" 5/16 .120 wall
28400-8	8.400" 5/16 .120 wall
28450-8	8.450" 5/16 .120 wall
27800-8	7.800" 5/16 .120 wall
27850-8	7.850" 5/16 .120 wall
27900-8	7.900" 5/16 .120 wall
28050-8	8.050" 5/16 .120 wall

1900 & 1600 Series Pushrods



1900 SERIES - 5/16 .080 Wall

Length	Part#	Length	Part#
6.000"	1913-8	7.000"	1928-8
6.050"	1914-8	7.050"	1929-8
6.100"	1915-8	7.100"	1930-8
6.150"	1916-8	7.200"	1931-8
6.200"	1917-8	7.300"	1932-8
6.250"	1918-8	7.400"	1933-8
6.300"	1919-8	7.500"	1934-8
6.350"	1987-8	7.600"	1935-8
6.400"	1988-8	7.700"	1900-8
6.450"	1989-8	7.750"	1902-8
6.500"	1990-8	7.800"	1901-8
6.550"	1991-8	7.850"	1901.50-8
6.600"	1992-8	7.900"	1903-8
6.650"	1993-8	7.950"	1904-8
6.700"	1994-8	8.000"	1905-8
6.750"	1995-8	8.050"	1906-8
6.800"	1996-8	8.100"	1907-8
6.850"	1997-8	8.150"	1908-8
6.900"	1998-8	8.200"	1909-8
6.950"	1999-8	8.250"	1910-8
		8.350"	1912-8

Preferred choice of custom engine builders. Available in custom lengths.



- 3/8 Pushrods with 5/16 ends
- .080 Seamless 4340 one piece
- Reduced Deflection
- Custom Lengths Available

1900 SERIES - 3/8 .080 Wall

Length	Part#	Length	Part#
7.400"	1942-8	8.400"	1962-8
7.500"	1945-8	8.450"	1963-8
7.550"	1946-8	8.500"	1964-8
7.600"	1947-8	8.550"	1965-8
7.650"	1948-8	8.600"	1966-8
7.700"	1949-8	8.650"	1967-8
7.750"	1950-8	8.680"	1924-8
7.800"	1951-8	8.700"	1968-8
7.850"	1944-8	8.750"	1969-8
7.900"	1952-8	8.780"	1926-8
7.950"	1953-8	8.800"	1970-8
8.000"	1954-8	8.850"	1971-8
8.050"	1955-8	8.900"	1973-8
8.100"	1956-8	8.950"	1974-8
8.150"	1957-8	9.250"	1921-8
8.200"	1958-8	9.350"	1923-8
8.250"	1959-8	9.400"	1936-8
8.280"	1920-8	9.450"	1937-8
8.300"	1960-8	9.500"	1938-8
8.350"	1961-8	9.650"	1925-8
8.380"	1922-8	9.750"	1927-8

1600 SERIES - .065 Wall

5/16" Diameter	3/18" Diameter		
Length Part#	Length Part#		
6.250"	1622-8	7.701"	1610-8
6.804"	1620-8	8.280"	1603-8
6.876"	1621-8	8.682"	1611-8
7.205"	1631-8	9.250"	1604-8
7.266"	1632-8		
7.500"	1640-8 (Solid)		
7.800"	1601-8		
7.900"	1602-8		



Recommended for mild street performance. 1010 steel pushrods are guideplate compatible. Black oxidized .065" wall.

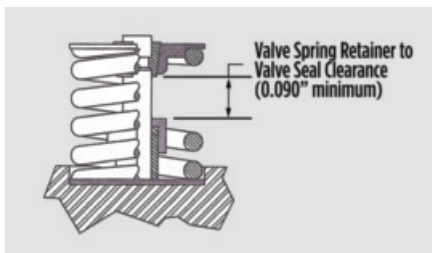
Tech Notes:

CALCULATING COMPRESSION RATIOS Moore Good Ink

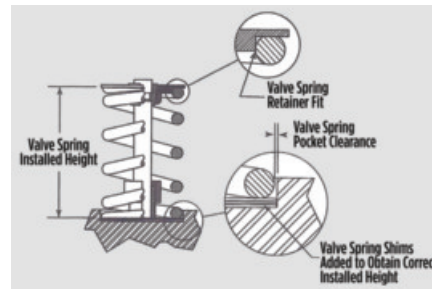
To calculate compression ratios, take the total swept volume (with the piston at bottom dead center) and divide it by the total compressed volume (with the piston at top dead center). For example, if the total swept volume of a 422cu in small-block is 927.87cc (cubic centimeters) and the total compressed volume is 62.69cc then the compression ratio would be stated as 14.8:1. To find the engine's total swept area in cubic inches the following formula can be applied: $0.7854 \times \text{bore diameter} \times \text{bore diameter} \times \text{stroke length} \times \text{the number of cylinders}$. To convert cubic inches to cubic centimeters multiply by 16.39. Using a burette is the best method of measuring the compressed volume (chamber volume plus piston volume).

VALVE SPRINGS Moore Good Ink

The primary factors considered when selecting valve springs in a racing engine are first, the amount of valve lift and second, engine speed. As engine speed increases so does inertia, which refers to valve train resistance to changes in speed and direction. With regard to the valve when fully open at maximum valve lift, most engine builders desire the valve spring to be within 0.050in to 0.060in of coil bound. This almost coil-bound condition returns the coil spring to a uniform, stable shape on every closing cycle. If not, the spring exhibits excessive space between the coils and it never calms down—it constantly shakes and wiggles. Therefore it could be argued that a valve spring operating at moderate lift that doesn't close properly is more inclined to ail with premature weakness or breakage than one operating with higher lift that does close properly.



Most engine builders arrange the valve spring to be within 0.050in to 0.060in of coil bound, which returns the spring to a uniform, stable shape on every closing cycle.



If insufficient clearance exists between pocket wall and spring, machine pocket with spring seat cutter to prevent binding. By contrast, excessive clearance between pocket wall and spring provokes unwanted, harmful movement. Correct by installing spring cup

PISTONS

Piston materials differ in elasticity, which becomes important as the rpm range of the engine increases. For example 2618 aluminum has more elasticity than 4032, which makes it more resistant to fracturing at high rpm. Ring materials also must be appropriate to the application. In drag racing, forced induction and Nitrous Oxide are widely used and require a steel top ring rather than ductile iron for the increased strength. Engines using these power adders also require stronger wrist pins, whereas circle track engines generally call for a lighter wrist pin due to the sustained high rpm usage.

In circle track racing, the rpm range of the engines has risen and the piston designs must change to accommodate this. Lateral gas ports and lighter weight .043-.043-3mm ring packages are required for proper ring seal at higher rpm operation. Drag racing engines are utilizing power adders and require pistons with more material above the top ring groove to prevent the ring land from fracturing. This means the wrist pin may be moved lower and a shorter rod required as well.

Things that must be considered in piston selection are the rpm range and horsepower levels of the engine, whether power adders will be used, the operating temperature - circle track engines typically operate at higher temperatures than drag race engines do, etc. It is a good idea to consult the manufacturer and relay these factors to get their recommendations as to the appropriate parts for your application.

Tech Notes:

CAMSHAFT BREAK IN PROCEDURE Erson Cams



In addition to the normal installation procedure, installing a performance camshaft requires you to check for several extra items to insure long life and optimum performance.

- **New Lifters Are A Must-** There is no such thing as a good used lifter! Any flat faced lifter establishes a wear pattern almost immediately with the cam lobe it is riding on and cannot be used on any other cam lobe, let alone a different cam.
- **Valve Spring Pressure and Travel-** We highly recommend purchasing the recommended matching valve springs. This insures you will have the proper pressures, both closed and open, and sufficient travel to get the maximum rpm, performance and life from your new cam.
- **Piston to Valve Clearance-** While many performance cams will work just fine with stock pistons, there are many factors that effect your engine and the clearance available.
- **Valve Train Interference-** In addition to valve spring travel and piston-to-valve clearance, a commonly overlooked area is that of retainer to seal clearance. The other common area of interference is rocker arm to stud clearance along with rocker arm travel.
- **Valve Adjustment-** The easiest way to insure proper adjustment is to adjust the rocker arms as you install them, one cylinder at a time. Adjust the intake valve as the exhaust valve is just starting to open and adjust the exhaust valve when the intake valve is almost closed. It is simplest to do this with the intake manifold off and watching the lifter's movement.
- **Hydraulic Lifter Valve Adjustment-** All engines, regardless of manufacture, require correct valve adjustment. Never just torque the rocker arm into place and assume that the lifter preload will automatically be correct. Ideal lifter preload is .020" to .080". Do not attempt to fill the lifters full of oil prior to installation. They will fill automatically once started and manually filling them makes adjusting the preload a difficult task.
- **Mechanical Lifter Valve Adjustment-** Adjusting mechanical lifters should be done the same way as outlined above, one valve at a time. For an initial setting, we recommend .003" to .005" than listed on the cam's specification card. Once broken in and with the engine fully warmed up, re set the rocker arms to the cam's specification sheet.
- **Installation Lubricants-** All flat faced (non-roller) camshafts require the use of high pressure lubricant supplied with your Erson cam on the bottom of the lifters, the lobes of the cam and on the distributor drive gear. Do not use this lube on the tips of the pushrods, the sides of the lifters or on the rocker arms. Use a quality oil when installing roller tappets.

BEFORE YOU TURN THE KEY

- **Fill All of the Engine's Fluids-** Using a minimum of a SAE API SD, SE or better fresh clean mineral based oil, fill the engine to the proper level. Do not use synthetic oil during break-in. Fill the coolant system and follow the instructions on purging air from the system. With carburetor equipped engines, fill the carburetor to insure fuel is available immediately. Make sure that the ignition timing is properly set to insure immediate starting, without excess cranking of the engine.
- **Pre-Lube the Engine-** Using a oil pump priming tool such as those available from Mallory, spin the engine's oil pump until you see pressure on the gauge or have oil at the rocker arms. Do not attempt to prime the engine using the starter motor!

WHEN THE ENGINE STARTS

- **Air pockets in the coolant system** are common so make sure the recovery bottle is checked and filled as necessary. You cannot count on the temperature gauge. Temperature gauges are only accurate if the sensor is submerged in coolant and will not give an accurate reading if in an air pocket.
- **Do Not Idle the Engine-** As soon as the engine starts, raise the rpm to 2,000 rpm. You should also constantly vary the RPM between 2,000 and 3,000 RPM for the first 20 minutes. This is the only way to insure proper lubrication during this critical period since the camshaft to lifter contact area relies almost exclusively on oil splash from the crank and connecting rods. Make sure that you run the engine for a full 20 minutes using this procedure.
- **Once Break-in is Complete-** Drain and replace the engine oil and filter with new, fresh oil and a new filter. Recheck for any fluid leaks and check all fluid levels. If you installed a mechanical lifter style camshaft, flat faced or roller style, the valve adjustment should be rechecked at this time with the engine fully warmed up. Hydraulic lifter equipped engines should not require any readjustment.



Performance Products

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