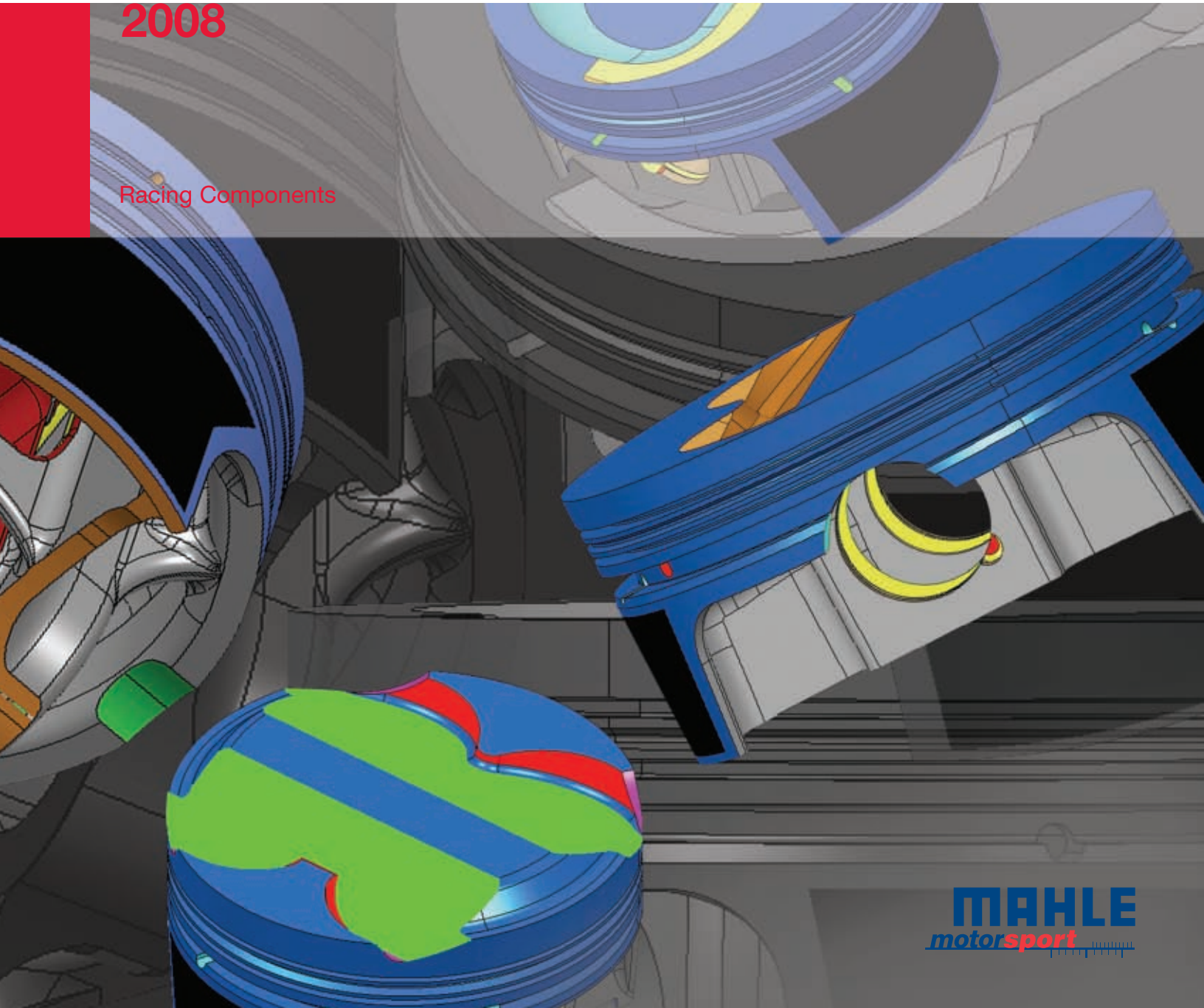


MAHLE

Driven by performance

2008

Racing Components



MAHLE
motorsport



With an 80 plus year history of innovation and racing experience, MAHLE is the global leader in forged piston technology.

Today, MAHLE pistons are powering champions in NASCAR, World of Outlaws, NHRA, American LeMans, Formula 1, and most premier racing series worldwide (including the track in your hometown).

Now, this same technology is available to you in MAHLE's PowerPak, a complete ready-to-install, piston assembly kit.

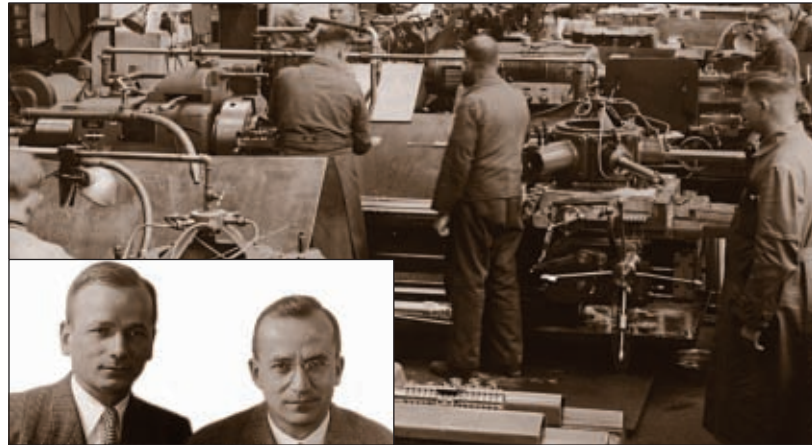
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MAHLE means performance

From powering champions in the world's premier racing series, to delivering winning performances at local dirt tracks around the country, MAHLE means performance. It's a rich heritage that began over 80 years ago. In 1920, pistons made of heavy gray cast iron were used in the internal combustion engines of automobiles, but the Mahle brothers in Germany began working to develop light alloy pistons in their small, newly-founded company.

The Mahle brothers revolutionized the piston industry in 1921 by building the world's first aluminum alloy piston. Because of their innovative approach to pistons, these lighter weight pistons were sought out by racers of that era.

It was then that the MAHLE tradition of building the finest racing pistons was born, and today that tradition is being carried on in the United States by MAHLE Motorsports.



MAHLE Continues It's Winning Tradition

In 2006, after only a few short years of participating in U.S. motorsports, MAHLE continues to demonstrate why they are the first name in high performance pistons. Building on successes in NASCAR, Nextel Cup and the American LeMans GTS from prior years, in 2006 MAHLE claimed multiple championships including the 2006 NASCAR Craftsman Truck Championship, the World of Outlaws Sprint Car Championship, The Grand American Daytona Prototype Championship and the Indy Pro Series Championship. Congratulations to Todd Bodine, Donny Schatz, Jörg Bergmeister and Jay Howard respectively.

Also in '06, MAHLE was instrumental in the championship won by Pierre Kleinubing bringing a Realtime Acura to a 10th consecutive Speed World Challenge Manufacturer and Driver Championship. This achievement coupled with the MAHLE equipped Corvette C6R's 6th consecutive Manufacturer's Championship and 5th consecutive Driver's Championship in the American Le Mans Series proves that MAHLE is the leader in motorsports piston technology.



Product Features

Small Block Flat Top

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" high quality steel wrist pin (118 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 20 for applications
- C/R calculated at 64cc



Small Block Flat Top 4-Valve Pocket

- Designed for use in racing classes requiring 4-valve relief pistons
- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" high quality steel wrist pin (118 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 20 for applications
- C/R calculated at 64cc



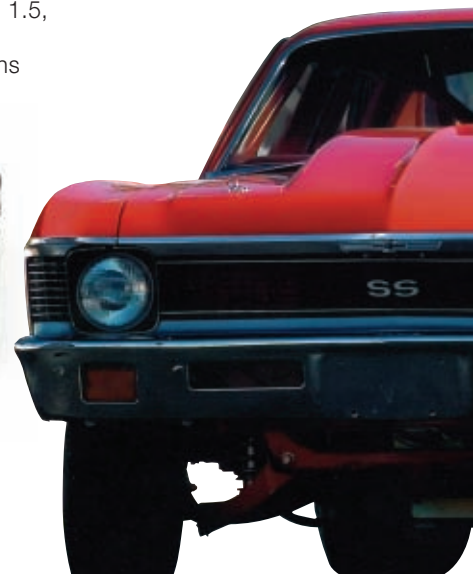
Small Block 305 Flat Top

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" high quality steel wrist pin (118 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 20 for applications
- C/R calculated at 64cc



Small Block Dome

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" high quality steel wrist pin (118 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 20-21 For Applications
- C/R calculated at 64cc



Small Block Inverted Dome

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" high quality steel wrist pin (118 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 22 for applications
- C/R calculated at 64cc



LS1/2/6 Flat Top

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" or .945" high quality steel wrist pin (118 or 125 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 22 for applications
- C/R calculated at 64cc



LS1/2/6 Inverted Dome

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" or .945" high quality steel wrist pin (118 or 125 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 22-23 for applications
- C/R calculated at 64cc



LS7 Flat Top

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" high quality steel wrist pin (118 grams) included
- Precision Ring Grooves for 0.43", 1.5, 3.0mm rings included
- See Page 23 for applications
- C/R calculated at 70cc



LS7 Inverted Dome

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" high quality steel wrist pin (118 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 23 for applications
- C/R calculated at 70cc



Product Features

L92 Flat Top

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" high quality steel wrist pin (118 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 23 for applications
- C/R calculated at 72cc



L92 Inverted Dome

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" high quality steel wrist pin (118 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 23 for applications
- C/R calculated at 72cc



Big Block Flat Top

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .990" high quality steel wrist pin (145 grams) included
- Precision Ring Grooves for 1/16", 1/16", 3/16" rings included
- See Page 23 for applications
- C/R calculated at 118cc



Big Block Dome

- Forged from 4032 or 2618 aluminum alloys to suite specific needs for strength and durability.
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .990" high quality steel wrist pin (145 grams) included
- Precision Ring Grooves for 1/16", 1/16", 3/16" rings included
- See Page 23 for applications
- C/R calculated at 118cc



Big Block Inverted Dome

- Forged from 2618 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .990" high quality steel wrist pin (145 grams) included
- Precision Ring Grooves for 1/16", 1/16", 3/16" rings included
- See Page 24 for applications
- C/R calculated at 118cc



Product Features

Small Block Flat Top

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" or .912" high quality steel wrist pin (118 or 112 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 25 for applications
- C/R calculated at 64cc



Small Block Dome

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" high quality steel wrist pin (118 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 25 for applications
- C/R calculated at 64cc



Small Block Inverted Dome

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" high quality steel wrist pin (118 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 26 for applications
- C/R calculated at 64cc



Small Block Twisted Wedge Flat Top

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" or .912" high quality steel wrist pin (118 or 112 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 26 for applications
- C/R calculated at 61cc



Small Block Twisted Wedge Inverted Dome

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" high quality steel wrist pin (118 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 26 for applications
- C/R calculated at 61cc



Small Block Cleveland Flat Top

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" high quality steel wrist pin (118 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 26 for applications
- C/R calculated at 64cc



Small Block Cleveland Inverted Dome

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" high quality steel wrist pin (118 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 26 for applications
- C/R calculated at 64cc



Big Block Flat Top

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .990" high quality steel wrist pin (145 grams) included
- Precision Ring Grooves for 1/16", 1/16", 3/16" rings included
- See Page 27 for applications
- C/R calculated at 72cc



Big Block Inverted Dome

- Forged from 2618 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .990" high quality steel wrist pin (145 grams) included
- Precision Ring Grooves for 1/16", 1/16", 3/16" rings included
- See Page 27 for applications
- C/R calculated at 72cc



Product Features

FE Flat Top

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .990" high quality steel wrist pin (145 grams) included
- Precision Ring Grooves for 1/16", 1/16", 3/16" rings included
- See Page 27 for applications
- C/R calculated at 76cc



FE Inverted Dome

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .990" high quality steel wrist pin (145 grams) included
- Precision Ring Grooves for 1/16", 1/16", 3/16" rings included
- See Page 27 for applications
- C/R calculated at 76cc



Modular 2 / 4-valve Flat Top

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .866" high quality steel wrist pin (110 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 27 for applications
- C/R calculated at 44cc



Modular 2 / 4-valve Inverted Dome

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .866" high quality steel wrist pin (110 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 27 for applications
- C/R calculated at 44cc



Modular 3-valve Flat Top

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .866" high quality steel wrist pin (110 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 27 for applications
- C/R calculated at 44cc



Modular 3-valve Inverted Dome

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .866" high quality steel wrist pin (110 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 27 for applications
- C/R calculated at 44cc



2.3 Pinto Pony Stock

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" high quality steel wrist pin (118 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 27 for applications
- C/R calculated at 52cc



"NEW" Hemi 5.7L

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .945" high quality steel wrist pin (126 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 27 for applications
- C/R calculated at 87cc



Product Features

Audi/Volkswagen Early 1.8L Turbo

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 20mm high quality steel wrist pin (84 grams) included
- Precision Ring Grooves for 1.0mm, 1.2mm, 2.8 mm rings included
- See Page 28 for applications
- C/R calculated at 42cc



Audi 2.7L - V6 Turbo

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 20mm high quality steel wrist pin (84 grams) included
- Precision Ring Grooves for 1.0mm, 1.2mm, 2.8 mm rings included
- See Page 28 for applications
- C/R calculated at 42cc



Acura B18C1 DOHC VTEC

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 21mm high quality steel wrist pin (98 grams) included
- Precision Ring Grooves for 1.0mm, 1.2mm, 2.8 mm rings included
- See Page 28 for applications
- C/R calculated at 41cc



Acura RSX K20

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 22mm high quality steel wrist pin (103 grams) included
- Precision Ring Grooves for 1.2mm, 1.2mm, 2.8 mm rings included
- See Page 28 for applications
- C/R calculated at 51cc



Honda B16 A1, A2, A3 DOHC VTEC

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 21mm high quality steel wrist pin (98 grams) included
- Precision Ring Grooves for 1.0mm, 1.2mm, 2.8 mm rings included
- See Page 28 for applications
- C/R calculated at 42cc



Honda B20B4 with B16/A3 Head Hybrid 97-00 CRV

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 21mm high quality steel wrist pin (98 grams) included
- Precision Ring Grooves for 1.2mm, 1.2mm, 2.8 mm rings included
- See Page 28 for applications
- C/R calculated at 42cc



Honda H22 GOLDSERIES

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 22mm high quality steel wrist pin (103 grams) included
- Precision Ring Grooves for 1.2mm, 1.2mm, 2.8 mm rings included
- Compatible with FRM aluminum bores
- See Page 28 for applications
- C/R calculated at 54cc



Honda H22 For sleeved blocks

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 22mm high quality steel wrist pin (103 grams) included
- Precision Ring Grooves for 1.2mm, 1.2mm, 2.8 mm rings included
- See Page 28 for applications
- C/R calculated at 54cc



Mitsubishi 4G63 2.0L 88-92 Eclipse

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 21mm high quality steel wrist pin (117 grams) included
- Precision Ring Grooves for 1.2mm, 1.2mm, 2.8 mm rings included
- See Page 28 for applications
- C/R calculated at 47cc



Product Features

Mitsubishi 4G63 2.0L 93-02 Eclipse 03-Present EVO

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 22mm high quality steel wrist pin (112 grams) included
- Precision Ring Grooves for 1.2mm, 1.2mm, 2.8 mm rings included
- See Page 29 for applications
- C/R calculated at 47cc



Nissan SR20DET Silvia

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 22mm high quality steel wrist pin (103 grams) included
- Precision Ring Grooves for 1.2mm, 1.2mm, 2.8 mm rings included
- See Page 29 for applications
- C/R calculated at 46.5cc



Nissan RB 25 DET/ 26DETT/30DET

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 21mm high quality steel wrist pin (98 grams) included
- Precision Ring Grooves for 1.2mm, 1.2mm, 2.8 mm rings included
- See Page 29 for applications
- C/R calculated at 62,70, & 56cc



Nissan VQ35DET (350Z Infinity G35)

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 21mm high quality steel wrist pin (98 grams) included
- Precision Ring Grooves for 1.2mm, 1.2mm, 2.5 mm rings included
- See Page 29 for applications
- C/R calculated at 56cc



Subaru WRX 2.0L EJ20/207

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 23mm high quality steel wrist pin (123 grams) included
- Precision Ring Grooves for 1.2mm, 1.2mm, 2.5mm rings included
- See Page 29 for applications
- C/R calculated at 49cc



Subaru WRX 2.0L EJ20/207 Stroker

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 23mm high quality steel wrist pin (123 grams) included
- Precision Ring Grooves for 1.2mm, 1.2mm, 2.5mm rings included
- See Page 29 for applications
- C/R calculated at 49cc



Subaru 2.5L STI, Forester, Legacy EJ25/257

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 23mm high quality steel wrist pin (123 grams) included
- Precision Ring Grooves for 1.2mm, 1.5mm, 2.8mm rings included
- See Page 29 for applications
- C/R calculated at 56cc



Toyota 3SGTE 2.0L 90-95 MR2 Turbo

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 22mm high quality steel wrist pin (103 grams) included
- Precision Ring Grooves for 1.2mm, 1.2mm, 2.8 mm rings included
- See Page 29 for applications
- C/R calculated at 51cc



Toyota 2AZ-FE (Scion TC)

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 22mm high quality steel wrist pin (103 grams) included
- Precision Ring Grooves for 1.0mm, 1.2mm, 2.8 mm rings included
- See Page 29 for applications
- C/R calculated at 42cc



Product Features

Toyota 2ZZ-FE Dome (Celica GT-S)

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 20mm high quality steel wrist pin (84 grams) included
- Precision Ring Grooves for 1.2mm, 1.2mm, 2.8 mm rings included
- Compatible with FRM aluminum bores
- See Page 29 for applications
- C/R calculated at 38cc



Toyota 2ZZ-FE Inverted Dome

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 20mm high quality steel wrist pin (84 grams) included
- Precision Ring Grooves for 1.2mm, 1.2mm, 2.8 mm rings included
- Compatible with FRM aluminum bores
- See Page 29 for applications
- C/R calculated at 38cc



Toyota 2JZ-GTE (Supra)

- Forged from 4032 low expansion aluminum alloy for high strength & reduced piston to wall clearance
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 22mm high quality steel wrist pin (103 grams) included
- Precision Ring Grooves for 1.2mm, 1.2mm, 2.8 mm rings included
- See Page 29 for applications
- C/R calculated at 46cc



LS1/2/6 Domes

- Forged from 2618 high strength aluminum alloy
- Radiused valve pockets
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .927" high quality steel wrist pin (118 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 30 for applications
- C/R calculated at 64cc



MOD Ford 4.6L/5.4L Inverted Dome

- Forged from 2618 high strength aluminum alloy
- Radiused valve pockets
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .866" high quality steel wrist pin (110 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 30 for applications
- C/R calculated at 44cc



MOD Ford 4.6L 3-Valve Inverted Dome

- Forged from 2618 high strength aluminum alloy
- Radiused valve pockets
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- .866" high quality steel wrist pin (110 grams) included
- Precision Ring Grooves for 1.5, 1.5, 3.0mm rings included
- See Page 30 for applications
- C/R calculated at 44cc



Subaru 2.5L STI, Forester, Legacy EJ25/257

- Forged from 2618 high strength aluminum alloy
- Radiused valve pockets
- Forced Pin Oiling
- Precision Pin Fitting & Race Proven Round Wire Locks included
- 23mm high quality steel wrist pin (123 grams) included
- Precision Ring Grooves for 1.2, 1.5, 2.8mm rings included
- See Page 30 for applications
- C/R calculated at 50cc

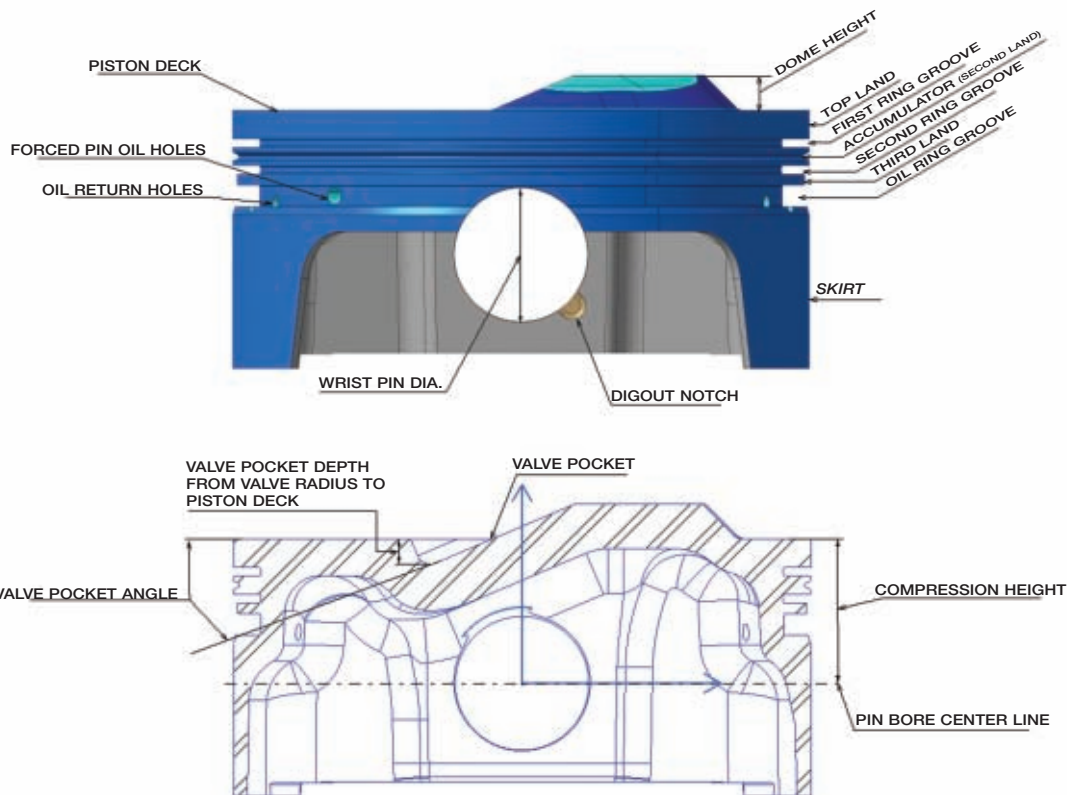


Technical terms

PowerPak Part # Breakdown

SBC 125 030 F 05

Engine Family	Compression Height	Bore Size	Crown Configuration	CC Volume
SBC - Small Block Chevrolet BBC - Big Block Chevrolet LS1 - LS1/6 Chevrolet SBF - Small Block Ford ACR - Acura etc.	Digits to the right of the decimal point 125 = 1.125" 270 = 1.270" 090 = 1.090"	Digits to the right of the decimal point 030 = 4.030" 500 = 4.500" 425 = 3.425"	F = Flat Top D = Dome I = Inverted Dome	The volume subtracted or added to the combustion chamber @ TD F 05 = 5cc valve pocket D 38 = 38cc Dome I 09 = 9cc Inverted Dome



Calculating Compression Height/Distance

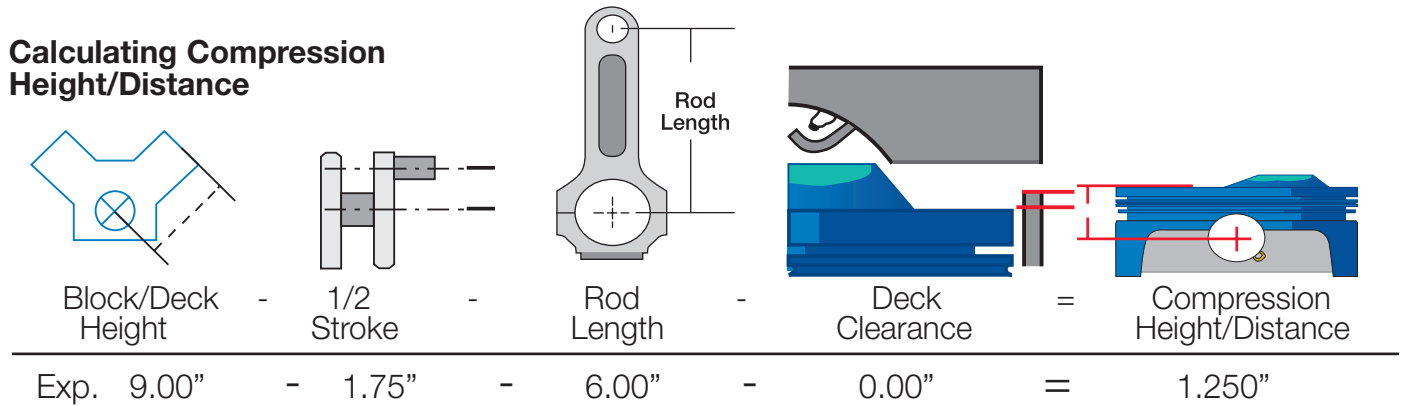


Fig. 1 Piston Sparkplug/Cylinder Head Clearance

Always check for adequate piston to sparkplug/cylinder head clearance. Use clay to measure clearance with piston installed on rod at TDC. Rock the piston to get minimum clearance. Minimum clearance for aluminum rods = .060" for steel rods = .040".

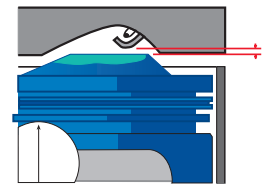


Fig. 2 Rod to Piston Clearance

Due to the multitude of variations in connecting rod materials and design, piston to rod clearances need to be checked. The minimum recommended clearance is .050" per side and .050" from the top of the rod to the underside of the piston. With the piston installed on the rod, rock the piston side to side, back and forth, checking for adequate clearance.

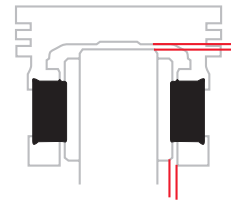


Fig 3 Crankshaft Counterweight Clearance

Always check counterweight to piston clearance at BDC. Recommended minimum is .060".

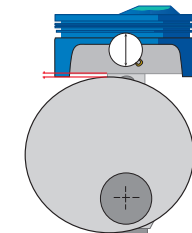
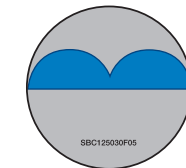


Fig. 4 Valve Relief Orientation/Clearance

Minimum recommended clearance for both intake and exhaust is .100" deep and .050" radially. Using clay or the cam manufacturer's recommendations, check for clearance. The cam must be degreed exactly as it will be during operation.



$$\text{Compression Ratio} = \frac{\text{Swept Volume} + \text{Top Dead Center Volume}}{\text{Top Dead Center Volume}}$$

- Swept Volume = $3.1416" \times \text{Bore} \times \text{Bore} \times \text{Stroke} \div 4$
- TDC Volume = Cylinder Head Chamber Volume + Gasket Volume + Deck Volume + Piston Dome/Dish Volume
- Gasket Volume = $3.1416" \times \text{Bore} \times \text{Bore} \times \text{Compressed Gasket Thickness} \div 4$
- Deck Volume = $3.1416" \times \text{Bore} \times \text{Bore} \times \text{Deck Clearance} \div 4$
- Piston Dome/Dish Volume = MAHLE listed volume in cc's x .061 (to convert cc's into ci's)
- Cylinder Head Chamber Volume as listed by the MFG in cc's x .061 (to convert cc's into ci's)

Performance Rings & Accessories



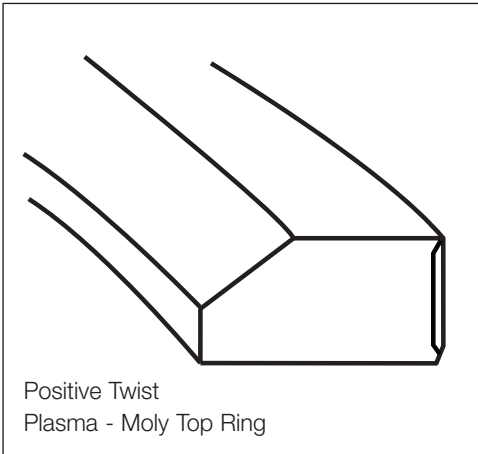
MAHLE pioneered the use of piston ring simulation and computer development tools to engineer rings that provide “free” horsepower by successfully minimizing friction. MAHLE's ultra flat ring flanks and precision finish also maximize ring to piston sealing. The difference is evident on the dyno and the track.

The top rings are positive twist ductile iron, barrel faced, plasma-moly inlaid. The 1/16” and 1.5mm ring sets second rings are reverse twist taper faced cast iron. The .043” ring sets second rings are a taper hook groove design. The 1/16” sets are available with either standard or low tension oil control rings.

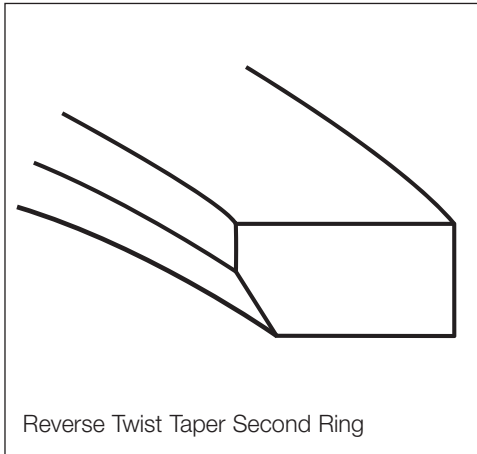
The .043” sets come with low tension and the 1.5mm sets come with standard tension oil control rings. Standard tension expanders are available separately for use with .043” sets wear increased oil control is necessary.

Sport compact rings sets are available ranging from 81-100mm and come with steel nitrided top rings, reverse twist cast iron second and standard tension oil control rings.

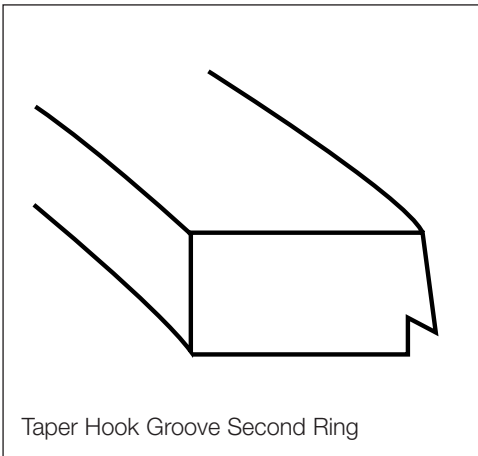




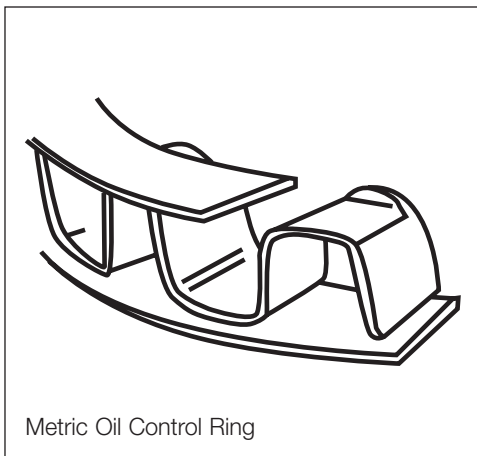
Positive Twist
Plasma - Moly Top Ring



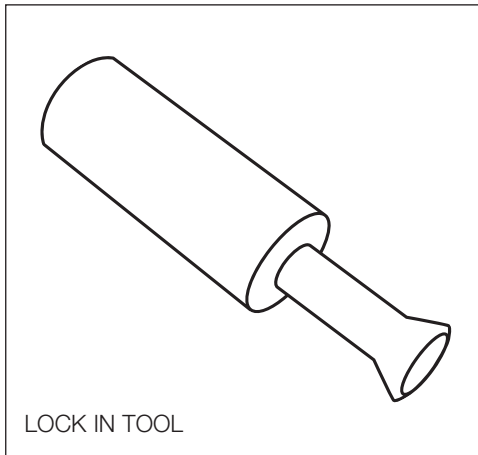
Reverse Twist Taper Second Ring



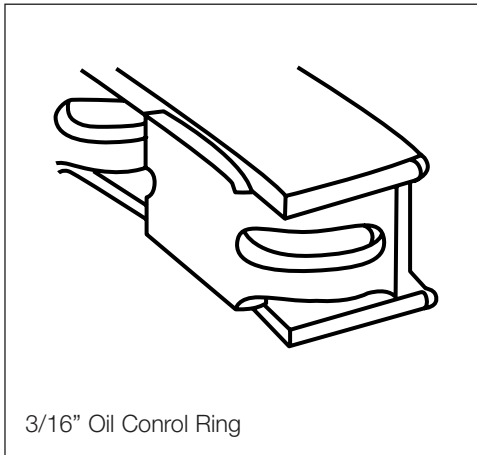
Taper Hook Groove Second Ring



Metric Oil Control Ring



LOCK IN TOOL



3/16" Oil Control Ring

	BORE	STROKE	ROD LENGTH	PIN DIAMETER	COMP HEIGHT	DOMES VOLUME	WEIGHT GRAMS	C/R
SMALL BLOCK FLAT TOP								
SBC550000F05	4.000	3.480/3.500	5.7	.927	1.550	-5cc	454	10.6
SBC550030F05	4.030	3.480/3.500	5.7	.927	1.550	-5cc	464	10.6
SBC550040F05	4.040	3.480/3.500	5.7	.927	1.550	-5cc	468	10.6
SBC550060F05	4.060	3.480/3.500	5.7	.927	1.550	-5cc	474	10.6
SBC250000F05	4.000	3.480/3.500	6.0	.927	1.250	-5cc	418	10.6
SBC250030F05	4.030	3.480/3.500	6.0	.927	1.250	-5cc	429	10.6
SBC250040F05	4.040	3.480/3.500	6.0	.927	1.250	-5cc	433	10.6
SBC250060F05	4.060	3.480/3.500	6.0	.927	1.250	-5cc	440	10.6
SBC125000F05	4.000	3.480/3.500	6.125	.927	1.125	-5cc	398	10.6
SBC125030F05	4.030	3.480/3.500	6.125	.927	1.125	-5cc	406	10.6
SBC125040F05	4.040	3.480/3.500	6.125	.927	1.125	-5cc	409	10.6
SBC125060F05	4.060	3.480/3.500	6.125	.927	1.125	-5cc	414	10.6
SBC425000F05	4.000	3.750	5.7	.927	1.425	-5cc	441	11.1
SBC425030F05	4.030	3.750	5.7	.927	1.425	-5cc	451	11.1
SBC425040F05	4.040	3.750	5.7	.927	1.425	-5cc	456	11.1
SBC425060F05	4.060	3.750	5.7	.927	1.425	-5cc	461	11.1
SBC125000F05	4.000	3.750	6.0	.927	1.125	-5cc	398	11.1
SBC125030F05	4.030	3.750	6.0	.927	1.125	-5cc	406	11.1
SBC125040F05	4.040	3.750	6.0	.927	1.125	-5cc	409	11.1
SBC125060F05	4.060	3.750	6.0	.927	1.125	-5cc	414	11.1
SBC062030F05	4.030	3.875	6.0	.927	1.062R	-5cc	392	11.4
SBC062060F05	4.060	3.875	6.0	.927	1.062R	-5cc	400	11.5
SBC000030F05	4.030	4.000	6.0	.927	1.000R	-5cc	380	11.8
SBC000040F05	4.040	4.000	6.0	.927	1.000R	-5cc	383	11.8
SBC000060F05	4.060	4.000	6.0	.927	1.000R	-5cc	388	11.8
SBC550125F05*	4.125	3.480/3.500	5.7	.927	1.550	-5cc	485	11.0
SBC550145F05*	4.145	3.480/3.500	5.7	.927	1.550	-5cc	491	11.0
SBC550155F05*	4.155	3.480/3.500	5.7	.927	1.550	-5cc	496	11.0
SBC550165F05*	4.165	3.480/3.500	5.7	.927	1.550	-5cc	503	11.0
SBC250125F05	4.125	3.500	6.0	.927	1.250	-5cc	451	11.0
SBC250145F05	4.145	3.500	6.0	.927	1.250	-5cc	457	11.0
SBC250155F05	4.155	3.500	6.0	.927	1.250	-5cc	460	11.0
SBC250165F05	4.165	3.500	6.0	.927	1.250	-5cc	463	11.0
SBC125125F05	4.125	3.500	6.125	.927	1.125	-5cc	438	11.0
SBC125145F05	4.145	3.500	6.125	.927	1.125	-5cc	445	11.0
SBC125155F05	4.155	3.500	6.125	.927	1.125	-5cc	448	11.0
SBC125165F05	4.165	3.500	6.125	.927	1.125	-5cc	452	11.0
SBC425125F05	4.125	3.750	5.7	.927	1.425	-5cc	466	11.6
SBC425145F05	4.145	3.750	5.7	.927	1.425	-5cc	472	11.6
SBC425155F05	4.155	3.750	5.7	.927	1.425	-5cc	477	11.6
SBC425165F05	4.165	3.750	5.7	.927	1.425	-5cc	483	11.6
SBC125125F05	4.125	3.750	6.0	.927	1.125	-5cc	438	11.6
SBC125145F05	4.145	3.750	6.0	.927	1.125	-5cc	445	11.6
SBC125155F05	4.155	3.750	6.0	.927	1.125	-5cc	448	11.6
SBC125165F05	4.165	3.750	6.0	.927	1.125	-5cc	452	11.6
SBC062155F05	4.155	3.875	6.0	.927	1.062R	-5cc	439	12.0
SBC062165F05	4.165	3.875	6.0	.927	1.062R	-5cc	439	12.0
SBC000125F05	4.125	4.000	6.0	.927	1.000R	-5cc	415	12.3
SBC000145F05	4.145	4.000	6.0	.927	1.000R	-5cc	420	12.3
SBC000155F05	4.155	4.000	6.0	.927	1.000R	-5cc	423	12.3
SBC000165F05	4.165	4.000	6.0	.927	1.000R	-5cc	425	12.3

(Compression Heights with "R" INCLUDE Oil Support Rails)
 *Also fits 400ci SBC (3.750" Stroke, 5.565" Rod, giving an 11.8 to 1 Compression Ratio)

SMALL BLOCK FLAT TOP 4-VALVE POCKET

SBC550030F4V	4.030	3.480/3.500	5.7	.927	1.550	-5cc	483	10.6
SBC550040F4V	4.040	3.480/3.500	5.7	.927	1.550	-5cc	487	10.6
SBC550060F4V	4.060	3.480/3.500	5.7	.927	1.550	-5cc	492	10.6
SBC250030F4V	4.030	3.480/3.500	6.0	.927	1.250	-5cc	448	10.6

SMALL BLOCK 305 FLAT TOP

SBC550766F05	3.766	3.480	5.7	.927	1.550	-5cc	408	9.3
SBC550796F05	3.796	3.480	5.7	.927	1.550	-5cc	411	9.5

SMALL BLOCK DOME

SBC125030D06	4.030	3.500/3.750	6.125/6.000	.927	1.125	6cc	433	12.0
SBC425030D06	4.030	3.750	5.7	.927	1.425	6cc	473	12.8
SBC550030D11	4.030	3.480/3.500	5.7	.927	1.550	11cc	501	13.0
SBC550040D11	4.040	3.480/3.500	5.7	.927	1.550	11cc	505	13.0

	BORE	STROKE	ROD LENGTH	PIN DIAMETER	COMP HEIGHT	DOME VOLUME	WEIGHT GRAMS	C/R
SMALL BLOCK DOME								
SBC550060D11	4.060	3.480/3.500	5.7	.927	1.550	11cc	513	13.0
SBC250030D11	4.030	3.500	6.0	.927	1.250	11cc	465	13.0
SBC250040D11	4.040	3.500	6.0	.927	1.250	11cc	468	13.0
SBC250060D11	4.060	3.500	6.0	.927	1.250	11cc	474	13.0
SBC125030D11	4.030	3.500	6.125	.927	1.125	11cc	444	13.0
SBC125040D11	4.040	3.500	6.125	.927	1.125	11cc	448	13.0
SBC125060D11	4.060	3.500	6.125	.927	1.125	11cc	454	13.0
SBC425030D11	4.030	3.750	5.7	.927	1.425	11cc	484	13.8
SBC425040D11	4.040	3.750	5.7	.927	1.425	11cc	489	13.8
SBC425060D11	4.060	3.750	5.7	.927	1.425	11cc	496	13.8
SBC125000D11	4.000	3.750	6.0	.927	1.125	11cc	440	13.8
SBC125030D11	4.030	3.750	6.0	.927	1.125	11cc	444	13.8
SBC125040D11	4.040	3.750	6.0	.927	1.125	11cc	448	13.8
SBC125060D11	4.060	3.750	6.0	.927	1.125	11cc	454	13.8
SBC062030D11	4.030	3.875	6.0	.927	1.062R	11cc	427	13.3
SBC062040D11	4.040	3.875	6.0	.927	1.062R	11cc	430	13.3
SBC062060D11	4.060	3.875	6.0	.927	1.062R	11cc	435	13.3
SBC000030D11	4.030	4.000	6.0	.927	1.000R	11cc	415	13.7
SBC000040D11	4.040	4.000	6.0	.927	1.000R	11cc	418	13.7
SBC000060D11	4.060	4.000	6.0	.927	1.000R	11cc	423	13.7
SBC550125D04*	4.125	3.480/3.500	5.7	.927	1.550	4cc	508	12.2
SBC550145D04*	4.145	3.480/3.500	5.7	.927	1.550	4cc	514	12.2
SBC550155D04*	4.155	3.480/3.500	5.7	.927	1.550	4cc	518	12.2
SBC550165D04*	4.165	3.480/3.500	5.7	.927	1.550	4cc	522	12.2
SBC550125D11*	4.125	3.480/3.500	5.7	.927	1.550	11cc	528	13.4
SBC550145D11*	4.145	3.480/3.500	5.7	.927	1.550	11cc	534	13.5
SBC550155D11*	4.155	3.480/3.500	5.7	.927	1.550	11cc	538	13.5
SBC550165D11*	4.165	3.480/3.500	5.7	.927	1.550	11cc	542	13.6
SBC250125D04	4.125	3.500	6.0	.927	1.250	4cc	471	12.2
SBC250145D04	4.145	3.500	6.0	.927	1.250	4cc	478	12.2
SBC250155D04	4.155	3.500	6.0	.927	1.250	4cc	482	12.2
SBC250165D04	4.165	3.500	6.0	.927	1.250	4cc	486	12.2
SBC250125D11	4.125	3.500	6.0	.927	1.250	11cc	491	13.7
SBC250145D11	4.145	3.500	6.0	.927	1.250	11cc	498	13.7
SBC250155D11	4.155	3.500	6.0	.927	1.250	11cc	501	13.7
SBC250165D11	4.165	3.500	6.0	.927	1.250	11cc	504	13.7
SBC125125D04	4.125	3.500	6.125	.927	1.125	4cc	454	12.2
SBC125145D04	4.145	3.500	6.125	.927	1.125	4cc	459	12.2
SBC125155D04	4.155	3.500	6.125	.927	1.125	4cc	462	12.2
SBC125165D04	4.165	3.500	6.125	.927	1.125	4cc	465	12.2
SBC125125D11	4.125	3.500	6.125	.927	1.125	11cc	467	13.7
SBC125145D11	4.145	3.500	6.125	.927	1.125	11cc	473	13.7
SBC125155D11	4.155	3.500	6.125	.927	1.125	11cc	477	13.7
SBC125165D11	4.165	3.500	6.125	.927	1.125	11cc	481	13.7
SBC425125D04	4.125	3.750	5.7	.927	1.425	4cc	496	13.0
SBC425145D04	4.145	3.750	5.7	.927	1.425	4cc	501	13.0
SBC425155D04	4.155	3.750	5.7	.927	1.425	4cc	504	13.0
SBC425165D04	4.165	3.750	5.7	.927	1.425	4cc	507	13.0
SBC425125D11	4.125	3.750	5.7	.927	1.425	11cc	504	14.5
SBC425145D11	4.145	3.750	5.7	.927	1.425	11cc	508	14.5
SBC425155D11	4.155	3.750	5.7	.927	1.425	11cc	512	14.5
SBC425165D11	4.165	3.750	5.7	.927	1.425	11cc	516	14.5
SBC125125D04	4.125	3.750	6.0	.927	1.125	4cc	454	13.0
SBC125145D04	4.145	3.750	6.0	.927	1.125	4cc	459	13.0
SBC125155D04	4.155	3.750	6.0	.927	1.125	4cc	462	13.0
SBC125165D04	4.165	3.750	6.0	.927	1.125	4cc	465	13.0
SBC125125D11	4.125	3.750	6.0	.927	1.125	11cc	467	14.3
SBC125145D11	4.145	3.750	6.0	.927	1.125	11cc	473	14.3
SBC125155D11	4.155	3.750	6.0	.927	1.125	11cc	477	14.3
SBC125165D11	4.165	3.750	6.0	.927	1.125	11cc	481	14.3
SBC062155D04	4.155	3.875	6.0	.927	1.062R	4cc	452	14.8
SBC062165D04	4.165	3.875	6.0	.927	1.062R	4cc	452	14.8
SBC000125D04	4.125	4.000	6.0	.927	1.000R	4cc	430	13.7
SBC000145D04	4.145	4.000	6.0	.927	1.000R	4cc	435	13.7
SBC000155D04	4.155	4.000	6.0	.927	1.000R	4cc	438	13.9
SBC000165D04	4.165	4.000	6.0	.927	1.000R	4cc	441	14.0
SBC000155D08	4.155	4.000	6.0	.927	1.000R	8cc	435	14.7

(Compression Heights with "R" INCLUDE Oil Support Rails)

*Also fits 400ci SBC (3.750" Stroke, 5.565" Rod, giving an 11.8 to 1 Compression Ratio)

	BORE	STROKE	ROD LENGTH	PIN DIAMETER	COMP HEIGHT	DOME VOLUME	WEIGHT GRAMS	C/R
SMALL BLOCK INVERTED DOME,								
SBC550030I20	4.030	3.480/3.500	5.7	.927	1.550	-20cc	483	9.0
SBC550040I20	4.040	3.480/3.500	5.7	.927	1.550	-20cc	485	9.0
SBC550060I20	4.060	3.480/3.500	5.7	.927	1.550	-20cc	490	9.0
SBC250030I20	4.030	3.500	6.0	.927	1.250	-20cc	447	9.0
SBC250040I20	4.040	3.500	6.0	.927	1.250	-20cc	451	9.0
SBC250060I20	4.060	3.500	6.0	.927	1.250	-20cc	458	9.0
SBC125030I16	4.030	3.500	6.125	.927	1.125	-16cc	410	9.3
SBC125040I16	4.040	3.500	6.125	.927	1.125	-16cc	412	9.3
SBC125060I16	4.060	3.500	6.125	.927	1.125	-16cc	415	9.3
SBC125030I26	4.030	3.500	6.125	.927	1.125	-26cc	400	8.4
SBC125040I26	4.040	3.500	6.125	.927	1.125	-26cc	403	8.4
SBC125060I26	4.060	3.500	6.125	.927	1.125	-26cc	408	8.4
SBC250030I26	4.030	3.500	6.0	.927	1.250	-26cc	TBA	8.4
SBC425030I26	4.030	3.750	5.7	.927	1.425	-26cc	452	9.0
SBC425040I26	4.040	3.750	5.7	.927	1.425	-26cc	455	9.0
SBC425060I26	4.060	3.750	5.7	.927	1.425	-26cc	460	9.0
SBC550030I26	4.030	3.500	5.7	.927	1.550	-26cc	TBA	8.4
SBC125030I16	4.030	3.750	6.125	.927	1.125	-16cc	410	9.9
SBC125040I16	4.040	3.750	6.125	.927	1.125	-16cc	412	9.9
SBC125060I16	4.060	3.750	6.125	.927	1.125	-16cc	415	9.9
SBC425030I16	4.030	3.750	5.7	.927	1.425	-16cc	454	10.0
SBC425155I20	4.155	3.750	5.7	.927	1.425	-20cc	TBA	9.5
SBC425125I26	4.125	3.750	5.7	.927	1.425	-26cc	480	9.4
SBC425145I26	4.145	3.750	5.7	.927	1.425	-26cc	488	9.4
SBC425155I26	4.155	3.750	5.7	.927	1.425	-26cc	492	9.4
SBC425165I26	4.165	3.750	5.7	.927	1.425	-26cc	497	9.4
SBC125125I26	4.125	3.750	6.0	.927	1.125	-26cc	431	9.4
SBC125145I26	4.145	3.750	6.0	.927	1.125	-26cc	438	9.4
SBC125155I26	4.155	3.750	6.0	.927	1.125	-26cc	442	9.4
SBC125165I26	4.165	3.750	6.0	.927	1.125	-26cc	446	9.4
SBC000125I20	4.125	4.000	6.0	.927	1.000	-20cc	411	10.5
SBC000145I20	4.145	4.000	6.0	.927	1.000	-20cc	415	10.5
SBC000155I20	4.155	4.000	6.0	.927	1.000	-20cc	418	10.5
SBC000165I20	4.165	4.000	6.0	.927	1.000	-20cc	422	10.5

LS1/2/6 FLAT TOP

LS1340898F04	3.898	3.622	6.098	.945	1.340	-4cc	394	10.4
LS1340905F04	3.905	3.622	6.098	.945	1.340	-4cc	398	10.4
LS1340908F04	3.908	3.622	6.098	.945	1.340	-4cc	398	10.4
LS1340000F04	4.000	3.622	6.098	.945	1.340	-4cc	398	10.5
LS1340005F04	4.005	3.622	6.098	.945	1.340	-4cc	399	10.5
LS1340010F04	4.010	3.622	6.098	.945	1.340	-4cc	398	10.5
LS1340030F04	4.030	3.622	6.098	.945	1.340	-4cc	404	10.6
LS1314898F04	3.898	3.622	6.125	.927	1.314	-4cc	388	10.4
LS1314905F04	3.905	3.622	6.125	.927	1.314	-4cc	390	10.4
LS1314908F04	3.908	3.622	6.125	.927	1.314	-4cc	392	10.4
LS1314005F04	4.005	3.622	6.125	.927	1.314	-4cc	398	10.8
LS1314010F04	4.010	3.622	6.125	.927	1.314	-4cc	398	10.8

LS1/2/6 INVERTED DOME,

LS1314898I16	3.898	3.622	6.125	.927	1.314	-16cc	400	9.0
LS1314905I16	3.905	3.622	6.125	.927	1.314	-16cc	403	9.0
LS1314908I16	3.908	3.622	6.125	.927	1.314	-16cc	404	9.0
LS1314005I20	4.005	3.622	6.125	0.927	1.314	-20cc	427	9.1
LS1314010I20	4.010	3.622	6.125	0.927	1.314	-20cc	432	9.1
LS1314020I20	4.020	3.622	6.125	0.927	1.314	-20cc	435	9.2
LS1105905I06	3.905	4.000	6.125	.927	1.105R	-6cc	382	11.0
LS1105908I06	3.908	4.000	6.125	.927	1.105R	-6cc	384	11.0
LS1104005I12	4.005	4.000	6.125	.927	1.105R	-12cc	401	10.8
LS1105010I12	4.010	4.000	6.125	.927	1.105R	-12cc	403	10.8
LS1105020I12	4.020	4.000	6.125	.927	1.105R	-12cc	405	10.8
LS1105030I12	4.030	4.000	6.125	.927	1.105R	-12cc	407	10.8
LS1105905I26	3.905	4.000	6.125	.927	1.105R	-26cc	342	9.0
LS1104005I28	4.005	4.000	6.125	.927	1.105R	-28cc	369	9.0
LS1105030I28	4.030	4.000	6.125	.927	1.105R	-28cc	374	9.0
LS1105125F04	4.125	4.000	6.125	.927	1.105R	-4cc	436	12.4
LS1105155F04	4.155	4.000	6.125	.927	1.105R	-4cc	449	12.4

	BORE	STROKE	ROD LENGTH	PIN DIAMETER	COMP HEIGHT	DOMES VOLUME	WEIGHT GRAMS	C/R
LS1/2/6 INVERTED DOME,								
LS1105125I16	4.125	4.000	6.125	.927	1.105R	-16cc	445	10.6
LS1105155I16	4.155	4.000	6.125	.927	1.105R	-16cc	458	10.6
LS1105125I32	4.125	4.000	6.125	.927	1.105R	-32cc	422	9.2
LS1105155I32	4.155	4.000	6.125	.927	1.105R	-32cc	435	9.2

Compression Heights with "R" INCLUDE Oil Support Rails)

LS7 FLAT TOP,

LS7181125F03	4.125	4.000	6.067	.927	1.181	-2.5cc	454	11.5
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LS7 INVERTED DOME,

LS7105125I28	4.125	4.000	6.125	.927	1.105	-28cc	444	9.0
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L92 FLAT TOP,

L92314000F04	4.000	3.622	6.125	.927	1.314	-4cc	440	9.9
L92314005F04	4.005	3.622	6.125	.927	1.314	-4cc	444	9.9
L92314030F04	4.030	3.622	6.125	.927	1.314	-4cc	449	10.1
L92314065F04	4.065	3.622	6.125	.927	1.314	-4cc	TBA	10.1
L92314070F04	4.070	3.622	6.125	.927	1.314	-4cc	TBA	10.1
L92105005F04	4.005	4.000	6.125	.927	1.105	-4cc	416	10.8
L92105030F04	4.030	4.000	6.125	.927	1.105R	-4cc	425	10.9
L92105065F04	4.065	4.000	6.125	.927	1.105R	-4cc	430	11.1
L92105070F04	4.070	4.000	6.125	.927	1.105R	-4cc	431	11.1
L92105125F04	4.125	4.000	6.125	.927	1.105R	-4cc	438	11.3
L92105155F04	4.155	4.000	6.125	.927	1.105R	-4cc	440	11.5

Compression Heights with "R" INCLUDE Oil Support Rails)

L92 INVERTED DOME,

L92314005I12	4.005	3.622	6.125	.927	1.314	-12cc	445	8.9
L92314070I12	4.070	3.622	6.125	.927	1.314	-12cc	TBA	9.2
L92105005I20	4.005	4.000	6.125	.927	1.105R	-20cc	411	9.1
L92105030I20	4.030	4.000	6.125	.927	1.105R	-20cc	420	9.2
L92105065I25	4.065	4.000	6.125	.927	1.105R	-25cc	421	8.9
L92105070I25	4.070	4.000	6.125	.927	1.105R	-25cc	426	8.9
L92105125I25	4.125	4.000	6.125	.927	1.105R	-25cc	432	9.1
L92105155I25	4.155	4.000	6.125	.927	1.105R	-25cc	435	9.2

Compression Heights with "R" INCLUDE Oil Support Rails)

BIG BLOCK FLAT TOP,

BBC645280F03	4.280	4.000	6.135	.990	1.645	-3cc	554	8.2
BBC645310F03	4.310	4.000	6.135	.990	1.645	-3cc	555	8.3
BBC645500F03	4.500	4.000	6.135	.990	1.645	-3cc	556	9.0
BBC645530F03	4.530	4.000	6.135	.990	1.645	-3cc	556	9.0
BBC645560F03	4.560	4.000	6.135	.990	1.645	-3cc	558	9.0
BBC395280F03	4.280	4.000	6.385	.990	1.395	-3cc	519	8.2
BBC395500F03	4.500	4.500	6.535	.990	1.395	-3cc	545	9.9
BBC230500F03	4.500	4.500	6.535	.990	1.230R	-3cc	516	9.9
BBC270280F03	4.280	4.250	6.385	.990	1.270R	-3cc	496	8.7
BBC270500F03	4.500	4.250	6.385	.990	1.270R	-3cc	508	9.3
BBC270530F03	4.530	4.250	6.385	.990	1.270R	-3cc	508	9.3
BBC270560F03	4.560	4.250	6.385	.990	1.270R	-3cc	508	9.3
BBC270600F03	4.600	4.250	6.385	.990	1.270R	-3cc	545	9.8
BBC270630F03	4.630	4.250	6.385	.990	1.270R	-3cc	545	9.8

Compression Heights with "R" INCLUDE Oil Support Rails)

	BORE	STROKE	ROD LENGTH	PIN DIAMETER	COMP HEIGHT	DOME VOLUME	WEIGHT GRAMS	C/R
BIG BLOCK DOME,								
BBC645310D48	4.310	4.000	6.135	.990	1.645	48cc	679	12.7
BBC645310D28	4.310	4.000	6.135	.990	1.645	28cc	617	10.4
BBC645280D48	4.280	4.000	6.135	.990	1.645	48cc	649	12.5
BBC645280D28	4.280	4.000	6.135	.990	1.645	28cc	597	10.3
BBC395310D48	4.310	4.000	6.385	.990	1.395	48cc	645	12.7
BBC395310D28	4.310	4.000	6.385	.990	1.395	28cc	583	10.4
BBC395280D48	4.280	4.000	6.385	.990	1.395	48cc	615	12.5
BBC395280D28	4.280	4.000	6.385	.990	1.395	28cc	563	10.3
BBC395280D18	4.280	4.250	6.385	.990	1.395	18cc	607	9.6
BBC270630D38	4.630	4.250	6.385	.990	1.270R	38cc	683	13.4
BBC270630D13	4.630	4.250	6.385	.990	1.270R	13cc	581	10.8
BBC270600D38	4.600	4.250	6.385	.990	1.270R	38cc	683	13.4
BBC270600D13	4.600	4.250	6.385	.990	1.270R	13cc	581	10.8
BBC270560D38	4.560	4.250	6.385	.990	1.270R	38cc	625	12.90R
BBC270560D13	4.560	4.250	6.385	.990	1.270R	13cc	541	10.5
BBC270530D38	4.530	4.250	6.385	.990	1.270R	38cc	625	12.9
BBC270530D13	4.530	4.250	6.385	.990	1.270R	13cc	541	10.5
BBC270500D38	4.500	4.250	6.385	.990	1.270R	38cc	625	12.9
BBC270500D13	4.500	4.250	6.385	.990	1.270R	13cc	541	10.5
BBC270500D10	4.500	4.250	6.385	.990	1.270R	-10cc	329	10.3
BBC270350D43	4.350	4.250	6.385	.990	1.270R	-43cc	333	13.1
BBC270350D18	4.350	4.250	6.385	.990	1.270R	-18cc	321	10.3
BBC270320D43	4.320	4.250	6.385	.990	1.270R	-43cc	324	12.9
BBC270320D18	4.320	4.250	6.385	.990	1.270R	-18cc	315	10.3
BBC270310D43	4.310	4.250	6.385	.990	1.270R	-43cc	321	12.7
BBC270310D18	4.310	4.250	6.385	.990	1.270R	-18cc	312	10.2
BBC270280D43	4.280	4.250	6.385	.990	1.270R	-43cc	312	12.7
BBC270280D18	4.280	4.250	6.385	.990	1.270R	18cc	581	10.1
BBC228500D08	4.500	4.375	6.385	0.99	1.228R	-8cc	329	10.2
BBC228310D41	4.310	4.375	6.385	.990	1.228R	-41cc	321	12.8
BBC228310D18	4.310	4.375	6.385	.990	1.228R	-18cc	321	10.3
BBC228280D41	4.280	4.375	6.385	.990	1.228R	-41cc	312	12.8
BBC228280D18	4.280	4.375	6.385	.990	1.228R	-18cc	312	10.2
BBB228500D34	4.500	4.375	6.385	.990	1.228R	-34cc	329	12.8

Compression Heights with "R" INCLUDE Oil Support Rails

BIG BLOCK INVERTED,

BBC270500I26	4.500	4.250	6.385	.990	1.270R	-26cc	558	8.2
BBC270530I26	4.530	4.250	6.385	.990	1.270R	-26cc	562	8.2
BBC270600I26	4.600	4.250	6.385	.990	1.270R	-26cc	570	8.4
BBC270630I26	4.630	4.250	6.385	.990	1.270R	-26cc	574	8.5
BBC395500I28	4.500	4.500	6.535	.990	1.395	-28cc	580	8.5
BBC395530I28	4.530	4.500	6.535	.990	1.395	-28cc	584	8.6
BBC395600I28	4.600	4.500	6.535	.990	1.395	-28cc	592	8.7
BBC395630I28	4.630	4.500	6.535	.990	1.395	-28cc	596	8.8
BBC270500I09	4.500	4.250	6.385	.990	1.270R	-9cc	563	9.4

Compression Heights with "R" INCLUDE Oil Support Rails

	BORE	STROKE	ROD LENGTH	PIN DIAMETER	COMP HEIGHT	DOMES VOLUME	WEIGHT GRAMS	C/R
SMALL BLOCK FLAT TOP								
SBF600000F06	4.000	3.000	5.090	.912	1.600	-6.6cc	464	9.0
SBF600030F06	4.030	3.000	5.090	.912	1.600	-6.6cc	464	9.0
SBF600040F06	4.040	3.000	5.090	.912	1.600	-6.6cc	468	9.0
SBF165000F06	4.000	3.250	5.400	.927	1.165	-6.6cc	405	9.6
SBF165030F06	4.030	3.250	5.400	.927	1.165	-6.6cc	412	9.6
SBF165040F06	4.040	3.250	5.400	.927	1.165	-6.6cc	416	9.6
SBF090000F06	4.000	3.400	5.400	.927	1.090R	-6.6cc	388	10.0
SBF090030F06	4.030	3.400	5.400	.927	1.090R	-6.6cc	395	10.0
SBF090040F06	4.040	3.400	5.400	.927	1.090R	-6.6cc	398	10.0
SBF090060F06	4.060	3.400	5.400	.927	1.090R	-6.6cc	403	10.0
SBF090125F06	4.125	3.400	5.400	.927	1.090R	-6.6cc	446	10.5
SBF775030F06	4.030	3.500	5.596	.912	1.775	-6cc	477	10.3
SBF245000F06	4.000	3.500	6.200	.927	1.245	-6.6cc	414	10.2
SBF245030F06	4.030	3.500	6.200	.927	1.245	-6.6cc	421	10.2
SBF245040F06	4.040	3.500	6.200	.927	1.245	-6.6cc	424	10.2
SBF245060F06	4.060	3.500	6.200	.927	1.245	-6.6cc	429	10.2
SBF245125F06	4.125	3.500	6.200	.927	1.245	-6.6cc	466	10.7
SBF245155F06	4.155	3.500	6.200	.927	1.245	-6.6cc	476	10.7
SBF600000F06	4.000	3.850	5.956	.912	1.600	-6.6cc	457	11.3
SBF600030F06	4.030	3.850	5.956	.912	1.600	-6.6cc	464	11.3
SBF600040F06	4.040	3.850	5.956	.912	1.600	-6.6cc	468	11.3
SBF600060F06	4.060	3.850	5.956	.912	1.600	-6.6cc	476	11.3
SBF300030F06	4.030	4.000	6.200	.927	1.300	-6cc	418	11.7
SBF245000F06	4.000	4.000	6.250	.927	1.245	-6.6cc	414	11.5
SBF245030F06	4.030	4.000	6.250	.927	1.245	-6.6cc	421	11.5
SBF245040F06	4.040	4.000	6.250	.927	1.245	-6.6cc	424	11.5
SBF245060F06	4.060	4.000	6.250	.927	1.245	-6.6cc	429	11.5
SBF245125F06	4.125	4.000	6.250	.927	1.245	-6.6cc	466	12.1
SBF245155F06	4.155	4.000	6.250	.927	1.245	-6.6cc	478	12.1
SBF245000F06	4.000	4.100	6.200	.927	1.245	-6.6cc	414	11.8
SBF245030F06	4.030	4.100	6.200	.927	1.245	-6.6cc	421	11.8
SBF245040F06	4.040	4.100	6.200	.927	1.245	-6.6cc	424	11.8
SBF245060F06	4.060	4.100	6.200	.927	1.245	-6.6cc	429	11.8
SBF245125F06	4.125	4.100	6.200	.927	1.245	-6.6cc	466	12.4
SBF245155F06	4.155	4.100	6.200	.927	1.245	-6.6cc	480	12.4

Compression Heights with "R" INCLUDE Oil Support Rails

SMALL BLOCK DOME

SBF165030D07	4.030	3.250	5.400	.927	1.165	7cc	466	11.4
SBF090030D07	4.030	3.400	5.400	.927	1.090R	7cc	446	11.9
SBF245125D07	4.125	4.100	6.200	.927	1.245	7cc	485	14.7

Compression Heights with "R" INCLUDE Oil Support Rails

MAHLE Motorsports does NOT recommend the use of 5.315 rod length with 1.165 C/H piston and 3.400 stroke due to wrist pin boss/crank counterweight interference issues. Removal of wrist pin boss material to obtain clearance is also NOT recommended.

	BORE	STROKE	ROD LENGTH	PIN DIAMETER	COMP HEIGHT	DOME VOLUME	WEIGHT GRAMS	C/R
SMALL BLOCK INVERTED DOME								
SBF600030I26	4.030	3.850	5.956	.912	1.600	-26cc	432	9.2
SBF165000I16	4.000	3.250	5.400	.927	1.165	-16cc	395	8.7
SBF165030I16	4.030	3.250	5.400	.927	1.165	-16cc	402	8.7
SBF165040I16	4.040	3.250	5.400	.927	1.165	-16cc	406	8.7
SBF090000I16	4.000	3.400	5.400	.927	1.090R	-16cc	378	9.0
SBF090030I16	4.030	3.400	5.400	.927	1.090R	-16cc	385	9.0
SBF090040I16	4.040	3.400	5.400	.927	1.090R	-16cc	388	9.0
SBF090060I16	4.060	3.400	5.400	.927	1.090R	-16cc	392	9.0
SBF090125I16	4.125	3.400	5.400	.927	1.090R	-16cc	414	8.0
SBF300030I20	4.030	4.000	6.200	.927	1.300	-20cc	396	10.0
SBF245030I20	4.030	3.500	6.200	.927	1.245	-20cc	389	8.9
SBF245000I26	4.000	3.500	6.200	.927	1.245	-26cc	381	8.4
SBF245030I26	4.030	3.500	6.200	.927	1.245	-26cc	388	8.4
SBF245040I26	4.040	3.500	6.200	.927	1.245	-26cc	392	8.4
SBF245060I26	4.060	3.500	6.200	.927	1.245	-26cc	398	8.4
SBF245155I26	4.155	3.500	6.200	.927	1.245	-26cc	430	7.6
SBF245125I26	4.125	3.500	6.200	.927	1.245	-26cc	420	8.3
SBF245000I26	4.000	4.000	6.250	.927	1.245	-26cc	381	9.5
SBF245030I26	4.030	4.000	6.250	.927	1.245	-26cc	388	9.5
SBF245040I26	4.040	4.000	6.250	.927	1.245	-26cc	392	9.5
SBF245060I26	4.060	4.000	6.250	.927	1.245	-26cc	398	9.5
SBF245125I26	4.125	4.000	6.250	.927	1.245	-26cc	420	9.3
SBF245155I26	4.155	4.000	6.250	.927	1.245	-26cc	432	8.8
SBF245000I26	4.000	4.100	6.200	.927	1.245	-26cc	381	9.7
SBF245030I26	4.030	4.100	6.200	.927	1.245	-26cc	388	9.7
SBF245040I26	4.040	4.100	6.200	.927	1.245	-26cc	392	9.7
SBF245060I26	4.060	4.100	6.200	.927	1.245	-26cc	398	9.7
SBF245125I26	4.125	4.100	6.200	.927	1.245	-26cc	420	9.9
SBF245155I26	4.155	4.100	6.200	.927	1.245	-26cc	434	9.9

Compression Heights with "R" INCLUDE Oil Support Rails

SMALL BLOCK TWISTED WEDGE FLAT TOP

TWF600030F06	4.030	3.000	5.090	.912	1.600	-6cc	469	9.3
TWF600040F06	4.040	3.000	5.090	.912	1.600	-6cc	470	9.3
TWF245030F06	4.030	4.000	6.250	.927	1.245	-6cc	426	12.0
TWF245040F06	4.040	4.000	6.250	.927	1.245	-6cc	427	12.0
TWF165030F06	4.030	3.250	5.400	.927	1.165	-6cc	418	10.1
TWF165040F06	4.040	3.250	5.400	.927	1.165	-6cc	419	10.1
TWF090030F06	4.030	3.400	5.400	.927	1.090R	-6cc	406	10.4
TWF090040F06	4.040	3.400	5.400	.927	1.090R	-6cc	407	10.4

Compression Heights with "R" INCLUDE Oil Support Rails

SMALL BLOCK TWISTED WEDGE INVERTED DOME

TWF165030I16	4.030	3.250	5.400	.912	1.165	-16cc	423	9.0
TWF165040I16	4.040	3.250	5.400	.912	1.165	-16cc	424	9.0
TWF090030I16	4.030	3.400	5.400	.927	1.090R	-16cc	410	9.3
TWF090040I16	4.040	3.400	5.400	.927	1.090R	-16cc	411	9.3

Compression Heights with "R" INCLUDE Oil Support Rails

SMALL BLOCK CLEVELAND FLAT TOP

FCL200030F03	4.030	4.000	6.000	.927	1.200R	-3cc	447	12
FCL275030F03	4.030	3.850	6.000	.927	1.275R	-3cc	459	11.6
FCL450030F03	4.030	3.500	6.000	.927	1.450	-3cc	468	10.7

Compression Heights with "R" INCLUDE Oil Support Rails

SMALL BLOCK CLEVELAND INVERTED DOME

FCL200030I20	4.030	4.000	6.000	.927	1.200R	-20cc	435	10
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Compression Heights with "R" INCLUDE Oil Support Rails

	BORE	STROKE	ROD LENGTH	PIN DIAMETER	COMP HEIGHT	DOME VOLUME	WEIGHT GRAMS	C/R
4.6/5.4 MODULAR FORD FLAT TOP								
MOD220551F00	3.551	3.543	5.930	.866	1.220	0cc	364	11.5
MOD220571F00	3.571	3.543	5.930	.866	1.220	0cc	370	11.5
MOD220581F00	3.581	3.543	5.930	.866	1.220	0cc	373	11.5

4.6/5.4 MODULAR FORD INVERTED DOME								
MOD220551I16	3.551	3.543	5.930	.866	1.220	-16cc	324	9.0
MOD220571I16	3.571	3.543	5.930	.866	1.220	-16cc	330	9.0
MOD220581I16	3.581	3.543	5.930	.866	1.220	-16cc	333	9.0

4.6L MODULAR FORD 3-VALVE FLAT TOP								
M3V220551F01	3.551	3.543	5.930	.866	1.220	1cc	364	12.2
M3V220571F01	3.571	3.543	5.930	.866	1.220	1cc	370	12.3
M3V220581F01	3.581	3.543	5.930	.866	1.220	1cc	373	12.3

4.6L MODULAR FORD 3-VALVE INVERTED DOME								
M3V220551I16	3.551	3.543	5.930	.866	1.220	-16cc	324	9.5
M3V220571I16	3.571	3.543	5.930	.866	1.220	-16cc	330	9.6
M3V220581I16	3.581	3.543	5.930	.866	1.220	-16cc	333	9.6

2.3L FORD 4 CYLINDER PINTO								
PIN090810F01	3.810	3.126	5.700	.927	1.090R	-1cc	367	9.0
PIN090820F01	3.820	3.126	5.700	.927	1.090R	-1cc	370	9.0
PIN090830F01	3.830	3.126	5.700	.927	1.090R	-1cc	372	9.0

Compression Heights with ""R"" INCLUDE Oil Support Rails

BIG BLOCK FLAT TOP								
BBF350390F03	4.390	4.500	6.700	.990	1.350	-3cc	569	13.5
BBF350440F03	4.440	4.500	6.700	.990	1.350	-3cc	572	13.6
BBF450390F03	4.390	4.300	6.700	.990	1.450	-3cc	587	13.0
BBF450440F03	4.440	4.300	6.700	.990	1.450	-3cc	590	13.0
BBF525390F03	4.390	4.150	6.700	.990	1.525	-3cc	599	12.6

BIG BLOCK INVERTED DOME								
BBF350390I38	4.390	4.500	6.700	.990	1.350	-38cc	572	10.2
BBF450390I36	4.390	4.300	6.700	.990	1.450	-36cc	591	10.0
BBF525390I28	4.390	4.150	6.700	.990	1.525	-28cc	600	10.3

FE FLAT TOP								
FFE665080F07	4.080	3.980	6.490	.975	1.665	7cc	508	10.7
FFE665160F07	4.160	3.980	6.490	.975	1.665	7cc	536	11.1
FFE390080F07	4.080	4.125	6.700	.990	1.390	-3cc	469	11.1
FFE325160F07	4.160	4.250	6.700	.990	1.325	7cc	485	11.8

FE INVERTED DOME								
FFE325160I33	4.160	4.250	6.700	.990	1.325	-33cc	503	9.3
FFE325250I20	4.250	4.250	6.700	.990	1.325	-20cc	495	11.1
FFE325310I20	4.250	4.310	6.700	.990	1.325	-20cc	499	11.2
FFE390080I26	4.080	4.125	6.700	.990	1.390	-26cc	489	9.3
FFE665080I20	4.080	3.890	6.490	.975	1.665	-20cc	525	9.5
FFE665160I20	4.160	3.890	6.490	.975	1.665	-20cc	553	9.8
FFE325250I20	4.250	4.250	6.700	.990	1.325	-20cc	495	11.1
FFE325310I20	4.250	4.310	6.700	.990	1.325	-20cc	499	11.2

CHRYSLER HEMI 5.7L								
HMI220917D09	3.917	3.579	6.242	0.945	1.220	9.2cc	415	9.0

	BORE	STROKE	ROD LENGTH	PIN DIAMETER	COMP HEIGHT	DOME VOLUME	WEIGHT GRAMS	C/R
AUDI/VOLKSWAGEN EARLY 1.8L TURBO								
AUD248189I12	81.00	86.4mm	144mm	20mm	32.7mm	-12cc	290g	8.5
AUD248209I12	81.50	86.4mm	144mm	20mm	32.7mm	-12cc	292g	8.5

AUDI 2.7L 5-VALVE TURBO

AU6248189I12	81.00	86.4mm	144mm	20mm	32.7mm	-12cc	290g	8.5
AU6248209I12	81.50	86.4mm	144mm	20mm	32.7mm	-12cc	292g	8.5

ACURA B18C1 DOHC VTEC

ACR181189F01	81.00mm	87.2mm	138mm	21mm	30mm	-1cc	270	10.5
ACR181199F01	81.25mm	87.2mm	138mm	21mm	30mm	-1cc	274	10.5
ACR181209F01	81.50mm	87.2mm	138mm	21mm	30mm	-1cc	279	10.5
ACR181189I08	81.00mm	87.2mm	138mm	21mm	30mm	-8cc	275	9.0
ACR181199I08	81.25mm	87.2mm	138mm	21mm	30mm	-8cc	278	9.0
ACR181209I08	81.50mm	87.2mm	138mm	21mm	30mm	-8cc	282	9.0
ACR181189D09	81.00mm	87.2mm	138mm	21mm	30mm	9cc	294	12.5
ACR181199D09	81.25mm	87.2mm	138mm	21mm	30mm	9cc	297	12.5
ACR181209D09	81.50mm	87.2mm	138mm	21mm	30mm	9cc	300	12.5
ACR181307D06	84.00mm	87.2mm	138mm	21mm	30mm	6cc	314	12.5
ACR181346D06	85.00mm	87.2mm	138mm	21mm	30mm	6cc	318	12.5

ACURA RSX K20

ACR176386I09	86.00mm	86mm	139mm	22mm	30mm	-9cc	326	9.0
ACR176405I09	86.50mm	86mm	139mm	22mm	30mm	-9cc	326	9.0
ACR176425I09	87.00mm	86mm	139mm	22mm	30mm	-9cc	326	9.1
ACR176386F03	86.00mm	86mm	139mm	22mm	30mm	-3cc	321	10.5
ACR176386D12	86.00mm	86mm	139mm	22mm	30mm	12cc	325	12.5
ACR176405D12	86.50mm	86mm	139mm	22mm	30mm	12cc	325	12.5
ACR176425D12	87.00mm	86mm	139mm	22mm	30mm	12cc	325	12.7

HONDA B16 A1, A2, A3 DOHC VTEC

ACR181189F01	81.00mm	77.4mm	134.5mm	21mm	30mm	-1cc	270	9.2
ACR181199F01	81.25mm	77.4mm	134.5mm	21mm	30mm	-1cc	274	9.2
ACR181209F01	81.50mm	77.4mm	134.5mm	21mm	30mm	-1cc	279	9.2
ACR181189D09	81.00mm	77.4mm	134.5mm	21mm	30mm	9cc	294	11.3
ACR181199D09	81.25mm	77.4mm	134.5mm	21mm	30mm	9cc	297	11.3
ACR181209D09	81.50mm	77.4mm	134.5mm	21mm	30mm	9cc	300	11.3

HONDA B20B4 WITH B16A1/A2/A3 HEAD HYBRID

HON181327I12	84.50mm	89mm	137mm	21mm	30mm	-11.5cc	275	9.0
HON181346I12	85.00mm	89mm	137mm	21mm	30mm	-11.5cc	280	9.0
HON181327D03	84.50mm	89mm	137mm	21mm	30mm	3cc	284	11.5
HON181346D03	85.00mm	89mm	137mm	21mm	30mm	3cc	289	11.5

HONDA H22 GOLD SERIES - for use in factory fiber reinforced matrix cylinder bores ONLY

H22220425I07	87.00mm	90mm	143mm	22mm	31mm	-7cc	328	9.0
H22220435I07	87.25mm	90mm	143mm	22mm	31mm	-7cc	331	9.0
H22220425F01	87.00mm	90mm	143mm	22mm	31mm	-1cc	319	10.0
H22220435F01	87.25mm	90mm	143mm	22mm	31mm	-1cc	322	10.0
H22220425D10	87.00mm	90mm	143mm	22mm	31mm	10cc	342	11.5
H22220435D10	87.25mm	90mm	143mm	22mm	31mm	10cc	348	11.5

HONDA H22 FOR SLEEVED H22 ENGINES ONLY

HON220425I07	87.00mm	90mm	143mm	22mm	31mm	-7cc	328	9.0
HON220445I07	87.50mm	90mm	143mm	22mm	31mm	-7cc	331	9.0

MAHLE MITSUBISHI 4G63 2.0L 88-92 ECLIPSE

MIT367366I13	85.5mm	88mm	150mm	21mm	34.7mm	-13	293	8.6
MIT367385I13	86mm	88mm	150mm	21mm	34.7mm	-13	298	8.7
MIT130366I23	85.5mm	100mm	150mm	21mm	28.7mm	-23	302	8.5
MIT130385I23	86mm	100mm	150mm	21mm	28.7mm	-23	307	8.6

	BORE	STROKE	ROD LENGTH	PIN DIAMETER	COMP HEIGHT	DOME VOLUME	WEIGHT GRAMS	C/R
MITSUBISHI 4G63 2.0L 93-92 ECLIPSE 03-PRESENT LANCER EVO								
EVO367366I13	85.50mm	88mm	150mm	22mm	34.7mm	-13cc	293	8.6
EVO367385I13	86.00mm	88mm	150mm	22mm	34.7mm	-13cc	298	8.7

NISSAN SR20DET SILVIA

NIS253405I12	86.50mm	86mm	136mm	22mm	31.8mm	-11.5cc	325	8.5
NIS253425I12	87.00mm	86mm	136mm	22mm	31.8mm	-11.5cc	326	8.5

NISSAN RB25DET (SKYLINE)

NIS232385I12	86.00	71.7mm	121.5mm	21mm	31.3mm	11.5cc	343g	8.5
NIS232405I12	86.50	71.7mm	121.5mm	21mm	31.3mm	11.5cc	344g	8.5
NIS232425I12	87.00	71.7mm	121.5mm	21mm	31.3mm	11.5cc	345g	8.5

NISSAN RB26DETT (SKYLINE)

NIS191405D16	86.50	73.7mm	121.5mm	21mm	30.25mm	16cc	320g	8.5
NIS191425D16	87.00	73.7mm	121.5mm	21mm	30.25mm	16cc	321g	8.5

NISSAN RB30DET (SKYLINE)

NIS264405I05	86.50	85.0mm	152.5mm	21mm	32.1mm	-4.5cc	312g	8.5
NIS264425I05	87.00	85.0mm	152.5mm	21mm	32.1mm	-4.5cc	313g	8.5

NISSAN VQ35DET (350Z, INFINITI G35)

NIS165760I05	95.50	81.4mm	144.1mm	22mm	29.6mm	-5cc	365g	8.5
NIS165780I05	96.00	81.4mm	144.1mm	22mm	29.6mm	-5cc	366g	8.5

SUBARU WRX 2.0L EJ20/207

SUB287642I12	92.5mm	75mm	130mm	23mm	32.7mm	-12cc	348	8.0
SUB287661I12	93mm	75mm	130mm	23mm	32.7mm	-12cc	353	8.0

SUBARU WRX 2.0L STROKER

SUB193642I16	92.5mm	79.0mm	130.4mm	23mm	30.3mm	-16cc	333g	8.0
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SUBARU 2.5L STI, FORESTER, LEGACY

WRX209917I22	99.5mm	79mm	stock	23mm	30.7mm	-22cc	399	8.5
WRX209937I22	100mm	79mm	stock	23mm	30.7mm	-22cc	401	8.5

TOYOTA 3SGTE 2.0L 90-95 MR2 TURBO

TOY378405I04	86.5mm	86mm	138mm	22mm	35mm	-4cc	323	9.0
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TOYOTA 2AZ-FE (SCION TC)

TOY319484I25	88.5mm	96.0mm	149.5	22mm	33.5mm	-25cc	340g	9.0
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TOYOTA 2ZZ-FE DOME (CELICA GT-S) - for use in factory fiber reinforced matrix cylinder bores ONLY

2ZZ228228D04	82.0mm	85.0mm	137.9mm	20mm	31.2mm	4.3cc	317g	12.3
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TOYOTA 2ZZ-FE INVERTED DOME (CELICA GT-S) - for use in factory fiber reinforced matrix cylinder bores ONLY

2ZZ228228I12	82.0mm	85.0mm	137.9mm	20mm	31.2mm	-12cc	299g	9.0
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TOYOTA 2JZ -GTE (SUPRA)

TOY864405I14	86.5mm	86.0mm	142mm	22mm	34mm	-14cc	319g	8.5
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	BORE	STROKE	ROD LENGTH	PIN DIAMETER	COMP HEIGHT	DOME VOLUME	WEIGHT GRAMS	C/R
LS1/2/6 DOMES								
LS1314905P10	3.905	3.622	6.125	0.927	1.314	10cc	TBD	12.9
LS1340905P10	3.905	3.622	6.098	0.945	1.340	10cc	TBD	12.9
LS1314005P08	4.005	3.622	6.125	0.927	1.314	8cc	TBD	13.0
LS1314030P08	4.030	3.622	6.125	0.927	1.314	8cc	TBD	13.2
LS1340005P08	4.005	3.622	6.098	0.945	1.340	8cc	TBD	13.0
LS1105905P08	3.905	4.000	6.125	0.927	1.105	8cc	TBD	12.9
LS1105005P05	4.005	4.000	6.125	0.927	1.105	5cc	TBD	12.9
LS1105030P05	4.030	4.000	6.125	0.927	1.105	5cc	TBD	13.0

MOD FORD 4.6L / 5.4L INVERTED DOME

MOD220571P22	3.571	3.543	5.930	.866	1.220	-22cc	330	9.0
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MOD FORD 4.6L 3-VALVE INVERTED DOME

M3V220571P22	3.571	3.543	5.930	.866	1.220	-22cc	330	9.0
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SUBARU 2.5L TURBO WRX STI, FORESTER, LEGACY EJ25/257

WRX209917P22	99.50mm	79mm	stock	23mm	30.7mm	-22cc	399	8.5
WRX209937P22	100.00mm	79mm	stock	23mm	30.7mm	-22cc	401	8.5

PERFORMANCE RINGS

STANDARD TENSION OIL CONTROL RING SETS 1.5, 1.5, 3.0 MM

Part#	Bore Size	Description	Note
3556MS-15	3.551"+.005"	1.5, 1.5, 3.0 mm	File Fit
3576MS-15	3.571"+.005"	1.5, 1.5, 3.0 mm	File Fit
3586MS-15	3.581"+.005"	1.5, 1.5, 3.0 mm	File Fit
3771MS-15	3.766"+.005"	1.5, 1.5, 3.0mm	File Fit
3801MS-15	3.796"+.005"	1.5, 1.5, 3.0mm	File Fit
3815MS-15	3.810"+.005"	1.5, 1.5, 3.0 mm	File Fit*
3825MS-15	3.820"+.005"	1.5, 1.5, 3.0 mm	File Fit*
3835MS-15	3.830"+.005"	1.5, 1.5, 3.0 mm	File Fit*
3903MS-15	3.989"+.005"	1.5, 1.5, 3.0 mm	File Fit
3910MS-15	3.905"+.005"	1.5, 1.5, 3.0 mm	File Fit
3915MS-15	3.910"+.005"	1.5, 1.5, 3.0 mm	File Fit
4005MS-15	4.000"+.005"	1.5, 1.5, 3.0 mm	File Fit
4025MS-15	4.020"+.005"	1.5, 1.5, 3.0 mm	File Fit
4035MS-15	4.030"+.005"	1.5, 1.5, 3.0 mm	File Fit
4045MS-15	4.040"+.005"	1.5, 1.5, 3.0 mm	File Fit
4065MS-15	4.060"+.005"	1.5, 1.5, 3.0 mm	File Fit
4085MS-15	4.080"+.005"	1.5, 1.5, 3.0 mm	File Fit
4095MS-15	4.090"+.005"	1.5, 1.5, 3.0 mm	File Fit
4105MS-15	4.100"+.005"	1.5, 1.5, 3.0 mm	File Fit
4115MS-15	4.110"+.005"	1.5, 1.5, 3.0 mm	File Fit
4125MS-15	4.120"+.005"	1.5, 1.5, 3.0 mm	File Fit
4130MS-15	4.125"+.005"	1.5, 1.5, 3.0 mm	File Fit
4135MS-15	4.130"+.005"	1.5, 1.5, 3.0 mm	File Fit
4140MS-15	4.135"+.005"	1.5, 1.5, 3.0 mm	File Fit
4145MS-15	4.140"+.005"	1.5, 1.5, 3.0 mm	File Fit
4150MS-15	4.145"+.005"	1.5, 1.5, 3.0 mm	File Fit
4155MS-15	4.150"+.005"	1.5, 1.5, 3.0 mm	File Fit
4160MS-15	4.155"+.005"	1.5, 1.5, 3.0 mm	File Fit
4165MS-15	4.160"+.005"	1.5, 1.5, 3.0 mm	File Fit
4170MS-15	4.165"+.005"	1.5, 1.5, 3.0 mm	File Fit

*4 cylinder ring sets

STEEL NITRIDED STANDARD TENSION OIL CONTROL DROP-IN RING SETS 1.5, 1.5, 3.0 MM

Part#	Bore Size	Description	Note
3898MS-15S	3.898	1.5, 1.5, 3.0 mm	Drop in
3908MS-15S	3.908	1.5, 1.5, 3.0 mm	Drop in

SPORT COMPACT STANDARD TENSION STEEL NITRIDED DROP-IN RING SETS

Part#	Bore Size	Description	Note
8100MS-10	81.00 mm	1.0, 1.2, 2.8 mm	Drop In
8125MS-10	81.25 mm	1.0, 1.2, 2.8 mm	Drop In
8150MS-10	81.50 mm	1.0, 1.2, 2.8 mm	Drop In
8200MS-10	82.00 mm	1.0, 1.2, 2.8 mm	Drop In
8250MS-10	82.50 mm	1.0, 1.2, 2.8 mm	Drop In
8300MS-12	83.00 mm	1.2, 1.2, 2.8 mm	Drop In
8350MS-12	83.50 mm	1.2, 1.2, 2.8 mm	Drop In
8400MS-12	84.00 mm	1.2, 1.2, 2.8 mm	Drop In
8450MS-12	84.50 mm	1.2, 1.2, 2.8 mm	Drop In
8500MS-12	85.00 mm	1.2, 1.2, 2.8 mm	Drop In
8550MS-12	85.50 mm	1.2, 1.2, 2.8 mm	Drop In
8600MS-12	86.00 mm	1.2, 1.2, 2.8 mm	Drop In
8650MS-12	86.50 mm	1.2, 1.2, 2.8 mm	Drop In
8700MS-12	87.00 mm	1.2, 1.2, 2.8 mm	Drop In
8750MS-12	87.50 mm	1.2, 1.2, 2.8 mm	Drop In
8800MS-12	88.00 mm	1.2, 1.2, 2.8 mm	Drop In
8850MS-12	88.50 mm	1.2, 1.2, 2.8 mm	Drop In
8900MS-12	89.00 mm	1.2, 1.2, 2.8 mm	Drop In
8950MS-12	89.50 mm	1.2, 1.2, 2.8 mm	Drop In
9250MS-12	92.50 mm	1.2, 1.2, 2.5 mm	Drop In
9300MS-12	93.00 mm	1.2, 1.2, 2.5 mm	Drop In
9950MS-12	99.50 mm	1.2, 1.5, 2.8 mm	Drop In
10000MS-12	100.00 mm	1.2, 1.5, 2.8 mm	Drop In

STANDARD TENSION OIL CONTROL RING SETS 1/16", 1/16", 3/16"

Part#	Bore Size	Description	Note	Part#	Bore Size	Description	Note
4000MS	4.000"	1/16", 1/16", 3/16"	Drop In	4310MS	4.310"	1/16", 1/16", 3/16"	Drop In
4020MS	4.020"	1/16", 1/16", 3/16"	Drop In	4315MS	4.310"+ .005"	1/16", 1/16", 3/16"	File Fit
4025MS	4.020"+ .005"	1/16", 1/16", 3/16"	File Fit	4325MS	4.320"+ .005"	1/16", 1/16", 3/16"	File Fit
4030MS	4.030"	1/16", 1/16", 3/16"	Drop In	4330MS	4.330"	1/16", 1/16", 3/16"	Drop In
4035MS	4.030"+ .005"	1/16", 1/16", 3/16"	File Fit	4355MS	4.350"+ .005"	1/16", 1/16", 3/16"	File Fit
4040MS	4.040"	1/16", 1/16", 3/16"	Drop In	4360MS	4.360"	1/16", 1/16", 3/16"	Drop In
4045MS	4.040"+ .005"	1/16", 1/16", 3/16"	File Fit	4365MS	4.360"+ .005"	1/16", 1/16", 3/16"	File Fit
4050MS	4.045"+ .005"	1/16", 1/16", 3/16"	File Fit	4380MS	4.375"+ .005"	1/16", 1/16", 3/16"	File Fit
4060MS	4.060"	1/16", 1/16", 3/16"	Drop In	4385MS	4.380"+ .005"	1/16", 1/16", 3/16"	File Fit
4065MS	4.060"+ .005"	1/16", 1/16", 3/16"	File Fit	4390MS	4.390"	1/16", 1/16", 3/16"	Drop In
4075MS	4.070"+ .005"	1/16", 1/16", 3/16"	File Fit	4400MS	4.400"	1/16", 1/16", 3/16"	Drop In
4080MS	4.080"	1/16", 1/16", 3/16"	Drop In	4420MS	4.420"	1/16", 1/16", 3/16"	Drop In
4105MS	4.100"+ .005"	1/16", 1/16", 3/16"	File Fit	4445MS	4.440"+ .005"	1/16", 1/16", 3/16"	File Fit
4125MS	4.125"	1/16", 1/16", 3/16"	Drop In	4466MS	4.466"	1/16", 1/16", 3/16"	Drop In
4130MS	4.125"+ .005"	1/16", 1/16", 3/16"	File Fit	4475MS	4.470"+ .005"	1/16", 1/16", 3/16"	File Fit
4135MS	4.130"+ .005"	1/16", 1/16", 3/16"	File Fit	4500MS	4.500"	1/16", 1/16", 3/16"	Drop In
4140MS	4.135"+ .005"	1/16", 1/16", 3/16"	File Fit	4505MS	4.500"+ .005"	1/16", 1/16", 3/16"	File Fit
4145MS	4.145"	1/16", 1/16", 3/16"	Drop In	4535MS	4.530"+ .005"	1/16", 1/16", 3/16"	File Fit
4150MS	4.145"+ .005"	1/16", 1/16", 3/16"	File Fit	4565MS	4.560"+ .005"	1/16", 1/16", 3/16"	File Fit
4155MS	4.155"	1/16", 1/16", 3/16"	Drop In	4600MS	4.600"	1/16", 1/16", 3/16"	Drop In
4160MS	4.155"+ .005"	1/16", 1/16", 3/16"	File Fit	4605MS	4.600"+ .005"	1/16", 1/16", 3/16"	File Fit
4165MS	4.165"	1/16", 1/16", 3/16"	Drop In	4630MS	4.630"	1/16", 1/16", 3/16"	Drop In
4170MS	4.165"+ .005"	1/16", 1/16", 3/16"	File Fit	4635MS	4.630"+ .005"	1/16", 1/16", 3/16"	File Fit
4185MS	4.185"	1/16", 1/16", 3/16"	Drop In				
4190MS	4.190"	1/16", 1/16", 3/16"	File Fit				
4250MS	4.250"	1/16", 1/16", 3/16"	Drop In				
4255MS	4.250"+ .005"	1/16", 1/16", 3/16"	File Fit				
4260MS	4.260"	1/16", 1/16", 3/16"	Drop In				
4265MS	4.260"+ .005"	1/16", 1/16", 3/16"	File Fit				
4270MS	4.270"	1/16", 1/16", 3/16"	Drop In				
4275MS	4.270"+ .005"	1/16", 1/16", 3/16"	File Fit				
4280MS	4.280"	1/16", 1/16", 3/16"	Drop In				
4285MS	4.280"+ .005"	1/16", 1/16", 3/16"	File Fit				
4290MS	4.290"	1/16", 1/16", 3/16"	Drop In				
4295MS	4.290"+ .005"	1/16", 1/16", 3/16"	File Fit				

LOW TENSION OIL CONTROL RING SETS 1/16", 1/16", 3/16"

Part#	Bore Size	Description	Note	Part#	Bore Size	Description	Note
4005ML	4.000"+ .005"	1/16", 1/16", 3/16"	File Fit	4275ML	4.270"+ .005"	1/16", 1/16", 3/16"	File Fit
4025ML	4.020"+ .005"	1/16", 1/16", 3/16"	File Fit	4285ML	4.280"+ .005"	1/16", 1/16", 3/16"	File Fit
4035ML	4.030"+ .005"	1/16", 1/16", 3/16"	File Fit	4295ML	4.290"+ .005"	1/16", 1/16", 3/16"	File Fit
4045ML	4.040"+ .005"	1/16", 1/16", 3/16"	File Fit	4315ML	4.310"+ .005"	1/16", 1/16", 3/16"	File Fit
4050ML	4.045"+ .005"	1/16", 1/16", 3/16"	File Fit	4325ML	4.320"+ .005"	1/16", 1/16", 3/16"	File Fit
4065ML	4.060"+ .005"	1/16", 1/16", 3/16"	File Fit	4355ML	4.350"+ .005"	1/16", 1/16", 3/16"	File Fit
4075ML	4.070"+ .005"	1/16", 1/16", 3/16"	File Fit	4365ML	4.360"+ .005"	1/16", 1/16", 3/16"	File Fit
4105ML	4.100"+ .005"	1/16", 1/16", 3/16"	File Fit	4380ML	4.375"+ .005"	1/16", 1/16", 3/16"	File Fit
4130ML	4.125"+ .005"	1/16", 1/16", 3/16"	File Fit	4385ML	4.380"+ .005"	1/16", 1/16", 3/16"	File Fit
4135ML	4.130"+ .005"	1/16", 1/16", 3/16"	File Fit	4395ML	4.390"+ .005"	1/16", 1/16", 3/16"	File Fit
4140ML	4.135"+ .005"	1/16", 1/16", 3/16"	File Fit	4405ML	4.400"+ .005"	1/16", 1/16", 3/16"	File Fit
4150ML	4.145"+ .005"	1/16", 1/16", 3/16"	File Fit	4475ML	4.470"+ .005"	1/16", 1/16", 3/16"	File Fit
4160ML	4.155"+ .005"	1/16", 1/16", 3/16"	File Fit	4505ML	4.500"+ .005"	1/16", 1/16", 3/16"	File Fit
4170ML	4.165"+ .005"	1/16", 1/16", 3/16"	File Fit	4535ML	4.530"+ .005"	1/16", 1/16", 3/16"	File Fit
4190ML	4.185"+ .005"	1/16", 1/16", 3/16"	File Fit	4565ML	4.560"+ .005"	1/16", 1/16", 3/16"	File Fit
4255ML	4.250"+ .005"	1/16", 1/16", 3/16"	File Fit	4605ML	4.600"+ .005"	1/16", 1/16", 3/16"	File Fit

PERFORMANCE RINGS

LOW TENSION OIL CONTROL RING SETS .043", .043", 3.0mm"

Part#	Bore Size	Description	Note	Part#	Bore Size	Description	Note
3556ML-043	3.551"+.005"	.043", .043", 3.0mm	File Fit	4065ML-043	4.060"+.005"	.043", .043", 3.0mm	File Fit
3576ML-043	3.571"+.005"	.043", .043", 3.0mm	File Fit	4070ML-043	4.065"+.005"	.043", .043", 3.0mm	File Fit
3771MS-043	3.766"+.005"	.043", .043", 3.0mm	File Fit*	4075ML-043	4.070"+.005"	.043", .043", 3.0mm	File Fit
3781MS-043	3.776"+.005"	.043", .043", 3.0mm	File Fit*	4085ML-043	4.080"+.005"	.043", .043", 3.0mm	File Fit
3791MS-043	3.786"+.005"	.043", .043", 3.0mm	File Fit*	4105ML-043	4.100"+.005"	.043", .043", 3.0mm	File Fit
3801MS-043	3.796"+.005"	.043", .043", 3.0mm	File Fit*	4130ML-043	4.125"+.005"	.043", .043", 3.0mm	File Fit
3586ML-043	3.581"+.005"	.043", .043", 3.0mm	File Fit	4135ML-043	4.130"+.005"	.043", .043", 3.0mm	File Fit
3815ML-043	3.810"+.005"	.043", .043", 3.0mm	File Fit**	4140ML-043	4.135"+.005"	.043", .043", 3.0mm	File Fit
3825ML-043	3.820"+.005"	.043", .043", 3.0mm	File Fit**	4145ML-043	4.140"+.005"	.043", .043", 3.0mm	File Fit
3835ML-043	3.830"+.005"	.043", .043", 3.0mm	File Fit**	4150ML-043	4.145"+.005"	.043", .043", 3.0mm	File Fit
3903ML-043	3.898"+.005"	.043", .043", 3.0mm	File Fit	4155ML-043	4.150"+.005"	.043", .043", 3.0mm	File Fit
3910ML-043	3.905"+.005"	.043", .043", 3.0mm	File Fit	4160ML-043	4.155"+.005"	.043", .043", 3.0mm	File Fit
3915ML-043	3.910"+.005"	.043", .043", 3.0mm	File Fit	4165ML-043	4.160"+.005"	.043", .043", 3.0mm	File Fit
4005ML-043	4.000"+.005"	.043", .043", 3.0mm	File Fit	4170ML-043	4.165"+.005"	.043", .043", 3.0mm	File Fit
4010ML-043	4.005"+.005"	.043", .043", 3.0mm	File Fit	4175ML-043	4.170"+.005"	.043", .043", 3.0mm	File Fit
4015ML-043	4.010"+.005"	.043", .043", 3.0mm	File Fit	4180ML-043	4.175"+.005"	.043", .043", 3.0mm	File Fit
4025ML-043	4.020"+.005"	.043", .043", 3.0mm	File Fit	4185ML-043	4.180"+.005"	.043", .043", 3.0mm	File Fit
4030ML-043	4.025"+.005"	.043", .043", 3.0mm	File Fit	4190ML-043	4.185"+.005"	.043", .043", 3.0mm	File Fit
4035ML-043	4.030"+.005"	.043", .043", 3.0mm	File Fit				
4040ML-043	4.035"+.005"	.043", .043", 3.0mm	File Fit				
4045ML-043	4.040"+.005"	.043", .043", 3.0mm	File Fit				
4050ML-043	4.045"+.005"	.043", .043", 3.0mm	File Fit				
4055ML-043	4.050"+.005"	.043", .043", 3.0mm	File Fit				
4060ML-043	4.055"+.005"	.043", .043", 3.0mm	File Fit				

*Standard Tension Oil Control Rings
**4 cylinder set

ACCESSORIES

Standard Pins

Part #	Diameter	Weight
6458160	.866"	110g
9900107	.867"	111g
6458152	.912"	115g
6457808	.927"	118g
9900079	.945"	145g
7758139	.990"	135g

No Tang Clips

Part #	Diameter
2042968	.866"
6458129	.912"
6441489	.927"
9900539	.945"
6458137	.990"

Light Weight Pins

Part #	Diameter	Weight
9900159	.912"	90g
9900184	.927"	92g

Sport Compact Pins

Part #	Diameter	Weight
9900293	0.787"(20mm)	84g
9900109	0.827"(21mm)	98g
9300109	0.827"(21mm)	118g MIT
5859988	0.866"(22mm)	103g
9900106	0.866"(22mm)	112g EVO
9300419	0.905"(23mm)	124g

Heavy Duty Pins

Part #	Diameter	Weight
6457147	.927"	128g
9900108	.928"	129g
6455117	.929"	130g

Sport Compact Clips

Part #	Diameter
9900112	20mm
3888765	21mm
2042968	22mm
6458129	23mm
9298265	OE Subaru

Oil Support Control Rails

Part #	Diameter	Description
9302399	3.810-3.840	3mm
9301680	3.898-(LS1)	3mm
9290024	4.000-4.080	3mm
9290032	4.125-4.185	3mm
9290040	4.250-4.310	3/16"
9290057	4.500-4.560	3/16"
9299942	4.600-4.630	3/16"

LOCK IN TOOL

Part #	Diameter
W-927	.927"
W-990	.990"



TERMS AND CONDITIONS

Prices, terms, conditions and product specifications are subject to change without notice. All prices FOB Morristown, TN. Pistons are sold in complete sets with pins and round wire locks. All returns require a Return Goods Authorization (RGA) number.

WARRANTY NOTICE

Due to the nature of performance applications, the parts in this catalog are sold without any express warranty or any implied warranty of merchantability or fitness for a particular purpose. MAHLE Motorsports shall not, under any circumstances, be liable for any special, incidental or consequential damages, including, but not limited to, damage or loss of property or equipment, loss of profits or revenue, cost of purchased or replacement goods, or claims of customers of the purchaser which may arise and/or result from the sale, installation or use of these parts.

*These pistons are designed primarily for off highway use. Check state and federal law and emission regulations.

NOTES

All weights given are design weights. Actual weights may vary.

Compression Ratios are calculated based on "zero" deck height, .040" gasket and the exact combustion chamber (cc) listed, unless otherwise noted.

Our pistons are designed to use rings which maintain the same radial width regardless of "oversize," excluding those designed to use 1/16", 1/16", 3/16" Ringsets.

HOURS OF OPERATION
MONDAY - FRIDAY 8AM-5PM EASTERN TIME

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