

MAHLE

Driven by performance

APPLICATION GUIDE 2010 (Rev. 1)

Racing Components



MAHLE
motor sport

Cubic Inches	Bore	Stroke	Rod	Comp Height	Pin Diam.	Crown Vol	Wght G.	Compression Ratio			Alloy	Clearance Guide			Assembly Part Number
												*Meas.	Min	Max	

SMALL BLOCK CHEVY FLAT TOP

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

								58cc	64cc	70cc					
350	4.000	3.480/3.500	5.700	1.550	0.927	-5cc	454	11.1	10.3	9.7	4032	0.50	0.0025	0.0033	SBC550000F05
358	4.030						464	11.3	10.5	9.8					SBC550030F05
359	4.040						468	11.3	10.5	9.8					SBC550040F05
362	4.060						474	11.4	10.6	9.9					SBC550060F05
374	4.125						485	11.7	10.9	10.2					SBC550125F05
380	4.155						496	11.8	11.0	10.3					SBC550155F05
381	4.165						503	11.9	11.0	10.3					SBC550165F05
377	4.000	3.750	5.700	1.425	0.927	-5cc	441	11.8	11.0	10.3	4032	0.50	0.0025	0.0033	SBC425000F05
383	4.030						451	12.0	11.1	10.4					SBC425030F05
385	4.040						456	12.0	11.2	10.4					SBC425040F05
388	4.060						461	12.1	11.3	10.5					SBC425060F05
401	4.125						466	12.4	11.6	10.8					SBC425125F05
407	4.155						476	12.6	11.7	10.9					SBC425155F05
409	4.165						483	12.6	11.7	11.0					SBC425165F05
358	4.030	3.480/3.500	6.000	1.250	0.927	-5cc	429	11.3	10.5	9.8	4032	0.50	0.0025	0.0033	SBC250030F05
359	4.040						433	11.3	10.5	9.8					SBC250040F05
362	4.060						440	11.4	10.6	9.9					SBC250060F05
374	4.125						451	11.7	10.9	10.2					SBC250125F05
380	4.155						460	11.8	11.0	10.3					SBC250155F05
381	4.165						463	11.9	11.0	10.3					SBC250165F05
350	4.000	3.480/3.500	6.125	1.125	0.927	-5cc	398	11.1	10.3	9.7	4032	0.50	0.0025	0.0033	SBC125000F05
358	4.030						406	11.3	10.5	9.8					SBC125030F05
359	4.040						409	11.3	10.5	9.8					SBC125040F05
362	4.060						414	11.4	10.6	9.9					SBC125060F05
374	4.125						438	11.7	10.9	10.2					SBC125125F05
380	4.155						448	11.8	11.0	10.3					SBC125155F05
381	4.165						452	11.9	11.0	10.3					SBC125165F05
377	4.000	3.750	6.000	1.125	0.927	-5cc	398	11.8	11.0	10.3	4032	0.50	0.0025	0.0033	SBC125000F05
383	4.030						406	12.0	11.1	10.4					SBC125030F05
385	4.040						409	12.0	11.2	10.4					SBC125040F05
388	4.060						414	12.1	11.3	10.5					SBC125060F05
401	4.125						438	12.4	11.6	10.8					SBC125125F05
407	4.155						448	12.6	11.7	10.9					SBC125155F05
409	4.165						452	12.6	11.7	11.0					SBC125165F05
395	4.030	3.875	6.000	1.062R	0.927	-5cc	392	12.4	11.5	10.7	4032	0.41	0.0025	0.0033	SBC062030F05
397	4.040						395	12.4	11.5	10.8					SBC062040F05
414	4.125						430	12.8	11.9	11.1					SBC062125F05
420	4.155						437	12.9	12.0	11.2					SBC062155F05
422	4.165						439	13.0	12.1	11.3					SBC062165F05
408	4.030	4.000	6.000	1.000R	0.927	-5cc	380	12.7	11.8	11.0	4032	0.35	0.0025	0.0033	SBC000030F05
410	4.040						383	12.8	11.9	11.1					SBC000040F05
414	4.060						388	12.9	12.0	11.2					SBC000060F05
427	4.125						415	13.2	12.3	11.5					SBC000125F05
434	4.155						423	13.4	12.4	11.6					SBC000155F05
436	4.165						425	13.4	12.5	11.6					SBC000165F05

Compression Heights with "R" INCLUDE Oil Support Rails

SMALL BLOCK CHEVY 4-VALVE POCKET FLAT TOP

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

								58cc	64cc	70cc					
358	4.030	3.480/3.500	5.700	1.550	0.927	-5cc	483	11.3	10.5	9.8	4032	0.46	0.0025	0.0033	SBC550030F4V
359	4.040						487	11.3	10.5	9.8					SBC550040F4V
362	4.060						492	11.4	10.6	9.9					SBC550060F4V
358	4.030	3.480/3.500	6.000	1.250	0.927	-5cc	448	11.3	10.5	9.8	4032	0.46	0.0025	0.0033	SBC250030F4V

Cubic Inches	Bore	Stroke	Rod	Comp Height	Pin Diam.	Crown Vol	Wght G.	Compression Ratio			Alloy	Clearance Guide			Assembly Part Number
												*Meas.	Min	Max	
SMALL BLOCK CHEVY 305ci FLAT TOP															
1.5, 1.5, 3.0mm File Fit Performance Ring Set included								58cc	64cc	70cc					
310	3.766	3.480	5.700	1.550	0.927	-5cc	408	10.0	9.3	8.7	4032	0.89	0.0025	0.0033	SBC550766F05
315	3.796						411	10.2	9.4	8.8					SBC550796F05
SMALL BLOCK CHEVY DOME															
1.5, 1.5, 3.0mm File Fit Performance Ring Set included								58cc	64cc	70cc					
358	4.030	3.480/3.500	5.700	1.550	0.927	11cc	501	14.2	12.9	11.9	2618*	0.50	0.0046	0.0054	SBC550030D11
359	4.040					11cc	505	14.3	13.0	11.9					SBC550040D11
362	4.060					11cc	513	14.4	13.1	12.0					SBC550060D11
374	4.125					4cc	508	13.2	12.2	11.3					SBC550125D04
380	4.155					4cc	518	13.4	12.3	11.4					SBC550155D04
381	4.165					4cc	522	13.4	12.3	11.4					SBC550165D04
383	4.030	3.750	5.700	1.425	0.927	11cc	484	15.2	13.8	12.6	2618*	0.50	0.0046	0.0054	SBC425030D11
385	4.040					11cc	489	15.2	13.8	12.7					SBC425040D11
388	4.060					11cc	496	15.3	13.9	12.8					SBC425060D11
401	4.125					11cc	504	15.7	14.3	13.1					SBC425125D11
407	4.155					11cc	512	15.9	14.5	13.3					SBC425155D11
409	4.165					11cc	516	16.0	14.5	13.3					SBC425165D11
383	4.030					6cc	473	14.0	12.8	11.8					SBC425030D06
401	4.125					4cc	496	14.1	12.9	12.0	2618*	0.50	0.0046	0.0054	SBC425125D04
407	4.155					4cc	504	14.3	13.1	12.1					SBC425155D04
409	4.165					4cc	507	14.3	13.2	12.2					SBC425165D04
358	4.030	3.480/3.500	6.000	1.250	0.927	11cc	465	14.2	12.9	11.9	2618*	0.50	0.0046	0.0054	SBC250030D11
359	4.040					11cc	468	14.3	13.0	11.9					SBC250040D11
362	4.060					11cc	474	14.4	13.1	12.0					SBC250060D11
374	4.125					11cc	491	14.7	13.4	12.3					SBC250125D11
380	4.155					11cc	501	14.9	13.6	12.5					SBC250155D11
381	4.165					11cc	504	15.0	13.6	12.5					SBC250165D11
374	4.125					4cc	471	13.2	12.2	11.3					SBC250125D04
380	4.155					4cc	482	13.4	12.3	11.4					SBC250155D04
381	4.165					4cc	486	13.4	12.3	11.4					SBC250165D04
350	4.000	3.480/3.500	6.125	1.125	0.927	11cc	440	14.0	12.8	11.7	2618*	0.50	0.0046	0.0054	SBC125000D11
358	4.030					11cc	444	14.2	12.9	11.9					SBC125030D11
359	4.040					11cc	448	14.3	13.0	11.9					SBC125040D11
362	4.060					11cc	454	14.4	13.1	12.0					SBC125060D11
374	4.125					11cc	467	14.7	13.4	12.3					SBC125125D11
380	4.155					11cc	477	14.9	13.6	12.5					SBC125155D11
381	4.165					11cc	481	15.0	13.6	12.5					SBC125165D11
383	4.030					6cc	433	14.0	12.8	11.8					SBC125030D06
385	4.040					6cc	436	14.0	12.9	11.9					SBC125040D06
388	4.060					6cc	442	14.2	13.0	12.0					SBC125060D06
374	4.125					4cc	454	13.2	12.2	11.3					SBC125125D04
380	4.155					4cc	462	13.4	12.3	11.4					SBC125155D04
381	4.165					4cc	465	13.4	12.3	11.4					SBC125165D04
377	4.000	3.750	6.000	1.125	0.927	11cc	440	15.0	13.6	12.5	2618*	0.50	0.0046	0.0054	SBC125000D11
383	4.030					11cc	444	15.2	13.8	12.6					SBC125030D11
385	4.040					11cc	448	15.2	13.8	12.7					SBC125040D11
388	4.060					11cc	454	15.3	13.9	12.8					SBC125060D11
401	4.125					11cc	467	15.7	14.3	13.1					SBC125125D11
407	4.155					11cc	477	15.9	14.5	13.3					SBC125155D11
409	4.165					11cc	481	16.0	14.5	13.3					SBC125165D11

"Meas." = The location to measure piston-to-wall clearance, referenced from the bottom of the piston skirt.
 "Min" and "Max" is the suggested range of clearance over the coating for each application.

Cubic Inches	Bore	Stroke	Rod	Comp Height	Pin Diam.	Crown Vol	Wght G.	Compression Ratio			Alloy	Clearance Guide			Assembly Part Number
								58cc	64cc	70cc		*Meas.	Min	Max	
SMALL BLOCK CHEVY DOME continued...								58cc	64cc	70cc					
383	4.030					6cc	433	14.0	12.8	11.8					SBC125030D06
385	4.040					6cc	436	14.0	12.9	11.9					SBC125040D06
388	4.060					6cc	442	14.2	13.0	12.0					SBC125060D06
401	4.125					4cc	454	14.1	12.9	12.0					SBC125125D04
407	4.155					4cc	462	14.2	13.1	12.1					SBC125155D04
409	4.165					4cc	465	14.3	13.1	12.2					SBC125165D04
395	4.030	3.875	6.000	1.062R	0.927	11cc	427	15.6	14.2	13.0	2618*	0.41	0.0046	0.0054	SBC062030D11
397	4.040					11cc	430	15.7	14.3	13.1					SBC062040D11
401	4.060					11cc	436	15.8	14.4	13.2					SBC062060D11
414	4.125					4cc	442	14.5	13.3	12.4					SBC062125D04
420	4.155					4cc	452	14.7	13.5	12.5					SBC062155D04
422	4.165					4cc	452	14.7	13.6	12.5					SBC062165D04
408	4.030	4.000	6.000	1.000R	0.927	11cc	415	16.1	14.6	13.4	2618*	0.35	0.0046	0.0054	SBC000030D11
410	4.040					11cc	418	16.2	14.7	13.5					SBC000040D11
414	4.060					11cc	423	16.3	14.8	13.6					SBC000060D11
434	4.155					8cc	435	16.1	14.7	13.5					SBC000155D08
427	4.125					4cc	430	15.0	13.7	12.7					SBC000125D04
434	4.155					4cc	438	15.1	13.9	12.9					SBC000155D04
436	4.165					4cc	441	15.2	14.0	12.9					SBC000165D04

Compression Heights with "R" INCLUDE Oil Support Rails

*Currently offered in both alloys

SMALL BLOCK CHEVY INVERTED DOME

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

Cubic Inches	Bore	Stroke	Rod	Comp Height	Pin Diam.	Crown Vol	Wght G.	Compression Ratio			Alloy	Clearance Guide			Assembly Part Number
								58cc	64cc	70cc		*Meas.	Min	Max	
358	4.030	3.480/3.500	5.700	1.550	0.927	-20cc	483	9.5	8.9	8.4	4032	0.50	0.0025	0.0033	SBC550030I20
359	4.040					-20cc	485	9.5	9.0	8.5					SBC550040I20
358	4.030					-26cc	494	8.9	8.4	8.0	2618	0.83	0.0061	0.0069	SBC550030I26
383	4.030	3.750	5.700	1.425	0.927	-16cc	454	10.5	9.9	9.3	4032	0.77	0.0025	0.0033	SBC425030I16
385	4.040					-16cc	457	10.6	9.9	9.3					SBC425040I16
388	4.060					-16cc	463	10.6	10.0	9.4					SBC425060I16
401	4.125					-20cc	506	10.5	9.9	9.3	4032	0.73	0.0025	0.0033	SBC425125I20
407	4.155					-20cc	465	10.6	10.0	9.4					SBC425155I20
409	4.165					-20cc	468	10.6	10.0	9.5					SBC425165I20
383	4.030					-26cc	452	9.5	9.0	8.5	4032	0.50	0.0025	0.0033	SBC425030I26
385	4.040					-26cc	455	9.5	9.0	8.5					SBC425040I26
388	4.060					-26cc	461	9.6	9.1	8.6					SBC425060I26
401	4.125					-26cc	480	9.9	9.3	8.8					SBC425125I26
407	4.155					-26cc	492	10.0	9.4	8.9					SBC425155I26
383	4.030					-31cc	459	9.1	8.6	8.2	2618	0.33	0.0061	0.0069	SBC425030I31
358	4.030	3.480/3.500	6.000	1.250	0.927	-20cc	447	9.5	8.9	8.4	4032	0.50	0.0025	0.0033	SBC250030I20
359	4.040					-20cc	451	9.5	9.0	8.5					SBC250040I20
362	4.060					-20cc	458	9.6	9.0	8.5					SBC250060I20
358	4.030					-26cc	449	8.9	8.4	8.0	2618	0.53	0.0061	0.0069	SBC250030I26
358	4.030	3.480/3.500	6.125	1.125	0.927	-16cc	410	9.9	9.3	8.8	4032	0.50	0.0025	0.0033	SBC125030I16
359	4.040					-16cc	412	9.9	9.3	8.8					SBC125040I16
362	4.060					-16cc	415	10.0	9.4	8.9					SBC125060I16
380	4.155					-16cc	479	10.4	9.8	9.2					SBC125155I16
382	4.165					-16cc	483	10.4	9.8	9.2					SBC125165I16
358	4.030	3.480/3.500	6.125	1.125	0.927	-26cc	400	8.9	8.4	8.0	4032	0.50	0.0025	0.0033	SBC125030I26
359	4.040					-26cc	403	9.0	8.5	8.0					SBC125040I26
362	4.060					-26cc	408	9.0	8.5	8.1					SBC125060I26
374	4.125					-26cc	431	9.9	9.3	8.8	4032	0.50	0.0025	0.0033	SBC125125I26
380	4.155					-26cc	442	10.0	9.4	8.9					SBC125155I26

Cubic Inches	Bore	Stroke	Rod	Comp Height	Pin Diam.	Crown Vol	Wght G.	Compression Ratio			Alloy	Clearance Guide			Assembly Part Number
								58cc	64cc	70cc		*Meas.	Min	Max	
SMALL BLOCK CHEVY INVERTED DOME continued...															
383	4.030	3.750	6.000	1.125	0.927	-16cc	410	10.5	9.9	9.3	4032	0.50	0.0025	0.0033	SBC125030I16
385	4.040					-16cc	412	10.6	9.9	9.3					SBC125040I16
388	4.060					-16cc	415	10.6	10.0	9.4					SBC125060I16
407	4.155					-16cc	479	11.1	10.4	9.8					SBC125155I16
409	4.165					-16cc	483	11.1	10.4	9.8					SBC125165I16
427	4.125	4.000	6.000	1.000R	0.927	-20cc	411	11.1	10.4	9.9	4032	0.35	0.0025	0.0033	SBC000125I20
434	4.155					-20cc	418	11.2	10.6	10.0					SBC000155I20
436	4.165					-20cc	422	11.3	10.6	10.0					SBC000165I20

LS1/2/6 FLAT TOP

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

								66cc	64cc	72cc					
346	3.898	3.622	6.098	1.340	0.945	-4cc	394	9.9	10.1	9.3	4032	0.58	0.0025	0.0033	LS1340898F04
347	3.905						398	9.9	10.1	9.3					LS1340905F04
348	3.908						398	9.9	10.1	9.3					LS1340908F04
364	4.000						398	10.3	10.5	9.6					LS1340000F04
365	4.005						399	10.3	10.5	9.7					LS1340005F04
366	4.010						398	10.3	10.6	9.7					LS1340010F04
370	4.030						404	10.4	10.7	9.8					LS1340030F04
346	3.898	3.622	6.125	1.314	0.927	-4cc	388	9.9	10.1	9.3	4032	0.53	0.0025	0.0033	LS1314898F04
347	3.905						390	9.9	10.1	9.3					LS1314905F04
348	3.908						392	9.9	10.1	9.3					LS1314908F04
364	4.000						398	10.3	10.5	9.6					LS1314000F04
365	4.005						398	10.3	10.5	9.7					LS1314005F04
366	4.010						398	10.3	10.6	9.7					LS1314010F04
370	4.030						409	10.4	10.7	9.8					LS1314030F04
376	4.065						419	10.6	10.8	9.9	4032	0.58	0.0025	0.0033	LS1314065F04
403	4.005	4.000	6.125	1.105R	0.927	-4cc	400	11.3	11.5	10.6	4032	0.34	0.0025	0.0033	LS1105005F04
408	4.030						410	11.4	11.7	10.7					LS1105030F04
428	4.125						436	11.8	12.1	11.1					LS1105125F04
434	4.155						449	12.0	12.2	11.2					LS1105155F04

LS1/2/6 INVERTED DOME

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

								66cc	64cc	72cc					
346	3.898	3.622	6.125	1.314	0.927	-9cc	407	9.4	9.6	8.8	4032	0.53	0.0025	0.0033	LS1314898I09
347	3.905					-9cc	411	9.4	9.6	8.8					LS1314905I09
348	3.908					-9cc	415	9.4	9.6	8.8					LS1314908I09
347	3.905					-16cc	403	8.7	8.9	8.3					LS1314905I16
348	3.908					-16cc	404	8.8	8.9	8.3					LS1314908I16
428	4.125	4.000	6.125	1.105R	0.927	-32cc	422	9.0	9.2	8.6	4032	0.34	0.0025	0.0033	LS1105125I32
434	4.155					-32cc	435	9.1	9.3	8.7					LS1105155I32
403	4.005					-28cc	369	8.9	9.1	8.5	2618	0.34	0.0049	0.0057	LS1105005I28
408	4.030					-28cc	374	9.0	9.2	8.6					LS1105030I28
383	3.905					-26cc	342	8.7	8.9	8.3	2618	0.34	0.0049	0.0057	LS1105905I26
428	4.125					-16cc	445	10.4	10.6	9.9	4032	0.34	0.0025	0.0033	LS1105125I16
434	4.155					-16cc	458	10.5	10.8	10.0					LS1105155I16
382	3.898					-6cc	378	10.6	10.8	9.9	4032	0.34	0.0025	0.0033	LS1105898I06
383	3.905					-6cc	382	10.6	10.8	9.9					LS1105905I06
384	3.908					-6cc	384	10.6	10.8	10.0					LS1105908I06
402	4.000	4.000	6.125	1.105R	0.927	-12cc	400	10.3	10.5	9.7	4032	0.34	0.0025	0.0033	LS1105000I12
403	4.005					-12cc	403	10.3	10.6	9.8					LS1105005I12
404	4.010					-12cc	403	10.4	10.6	9.8					LS1105010I12
408	4.030					-12cc	407	10.5	10.7	9.9					LS1105030I12

Compression Heights with "R" INCLUDE Oil Support Rails

"Meas." = The location to measure piston-to-wall clearance, referenced from the bottom of the piston skirt.
 "Min" and "Max" is the suggested range of clearance over the coating for each application.

Cubic Inches	Bore	Stroke	Rod	Comp Height	Pin Diam.	Crown Vol	Wght G.	Compression Ratio	Alloy	Clearance *Meas.	Guide Min	Max	Assembly Part Number
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LS7 FLAT TOP & INVERTED

043", 1.5 Napier , 3.0mm File Fit Performance Ring Set included

								66cc	64cc	72cc					
427	4.125	4.000	6.067	1.181	0.927	-3cc	454	12.0	12.2	11.2	4032	0.48	0.0025	0.0033	LS7181125F03
429	4.130					-3cc	458	12.0	12.3	11.2					LS7181130F03
427	4.125	4.000	6.125	1.105R	0.927	-3cc	385	12.0	12.2	11.2	4032	0.34	0.0025	0.0033	LS7105125F03
429	4.130					-3cc	428	12.0	12.3	11.2					LS7105130F03
427	4.125					-25cc	444	9.6	9.8	9.1	2618	0.34	0.0046	0.0054	LS7105125I25

L92 FLAT TOP

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

								70cc							
376	4.065	3.622	6.098	1.340	0.945	-4cc	445	10.1			4032	0.34	0.0025	0.0033	L92340065F04
377	4.070						448	10.1							L92340070F04
365	4.005	3.622	6.125	1.314	0.927	-4cc	444	9.9			4032	0.53	0.0025	0.0033	L92314005F04
370	4.030						449	10.0							L92314030F04
376	4.065						460	10.1							L92314065F04
377	4.070						462	10.1							L92314070F04
387	4.125						462	10.3							L92314125F04
403	4.005	4.000	6.125	1.105R	0.927	-4cc	416	10.8			4032	0.34	0.0025	0.0033	L92105005F04
408	4.030						425	10.9							L92105030F04
415	4.065						430	11.1							L92105065F04
416	4.070						431	11.1							L92105070F04
428	4.125						438	11.3							L92105125F04
434	4.155						440	11.4							L92105155F04

Compression Heights with "R" INCLUDE Oil Support Rails

L92 INVERTED DOME

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

								70cc							
365	4.005	3.622	6.125	1.314	0.927	-12cc	445	9.1			4032	0.53	0.0025	0.0033	L92314005I12
377	4.070					-12cc	466	9.3							L92314070I12
403	4.005	4.000	6.125	1.105R	0.927	-20cc	411	9.2			2618	0.34	0.0046	0.0054	L92105005I20
408	4.030					-20cc	420	9.3							L92105030I20
415	4.065					-25cc	431	9.1			2618	0.34	0.0046	0.0054	L92105065I25
416	4.070					-25cc	433	9.1							L92105070I25
428	4.125					-25cc	432	9.3							L92105125I25
428	4.070	4.100	6.125	1.055R	0.927	-8cc	425	10.9			4032	0.34	0.0025	0.0033	L92055070I08
428	4.075					-8cc	427	10.9							L92055075I08

Compression Heights with "R" INCLUDE Oil Support Rails

LSX COMBO FLAT TOP- Valve Pockets fit LS1, LS7, or L92 Heads

043", 1.5 Napier , 3.0mm File Fit Performance Ring Set included

								64cc	70cc	72cc					
438	4.125	4.100	6.125	1.045R	0.927	-8cc	450	11.8	11.1	10.9	4032	0.47	0.0026	0.0034	LSX045125F08

BIG BLOCK CHEVY FLAT TOP

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

								112cc	118cc	124cc					
460	4.280	4.000	6.135	1.645	0.990	-3cc	546	8.6	8.2	7.9	4032	0.85	0.0041	0.0049	BBC645280F03
468	4.310						556	8.6	8.3	8.0					BBC645310F03
509	4.500						578	9.3	8.9	8.6					BBC645500F03
523	4.560						598	9.5	9.1	8.8					BBC645560F03
489	4.280	4.250	6.135	1.520	0.990	-3cc	530	9.1	8.7	8.3	4032	0.73	0.0041	0.0049	BBC520280F03
460	4.280	4.000	6.385	1.395	0.990	-3cc	512	8.6	8.2	7.9	4032	0.60	0.0041	0.0049	BBC395280F03
509	4.500						541	9.3	8.9	8.6					BBC395500F03
516	4.530						551	9.4	9.0	8.7					BBC395530F03
523	4.560						561	9.5	9.1	8.8					BBC395560F03
532	4.600						575	9.7	9.3	8.9					BBC395600F03

Cubic Inches	Bore	Stroke	Rod	Comp Height	Pin Diam.	Crown Vol	Wght G.	Compression Ratio	Alloy	Clearance Guide			Assembly Part Number		
										*Meas.	Min	Max			
BIG BLOCK CHEVY FLAT TOP continued...								112cc	118cc	124cc					
489	4.280	4.250	6.385	1.270R	0.990	-3cc	489	9.1	8.7	8.3	4032	0.52	0.0041	0.0049	BBC270280F03
496	4.310						499	9.2	8.8	8.4					BBC270310F03
498	4.320						503	9.2	8.8	8.5					BBC270320F03
505	4.350						513	9.3	8.9	8.6					BBC270350F03
540	4.500						517	9.8	9.4	9.1	4032	0.44	0.0041	0.0049	BBC270500F03
548	4.530						527	9.9	9.5	9.2					BBC270530F03
555	4.560						537	10.0	9.6	9.3					BBC270560F03
565	4.600						551	10.2	9.8	9.4					BBC270600F03
572	4.500	4.375	6.385	1.230R	0.990	-3cc	516	10.1	9.7	9.3	4032	0.35	0.0041	0.0049	BBC230500F03
604	4.500	4.750	6.660	1.160R	0.990	-3cc	498	10.9	10.4	10.0	4032	0.37	0.0041	0.0049	BBC160500F03
612	4.530						508	11.0	10.5	10.1					BBC160530F06
621	4.560						518	11.0	10.7	10.2					BBC160560F03
632	4.600						532	11.3	10.8	10.4					BBC160600F03

Compression Heights with "R" INCLUDE Oil Support Rails

BIG BLOCK CHEVY DOME

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

								112cc	118cc	124cc					
460	4.280	4.000	6.135	1.645	0.990	28cc	647	11.1	10.5	9.9	2618	0.61	0.0056	0.0064	BBC645280D28
468	4.310					28cc	657	11.2	10.6	10.1					BBC645310D28
460	4.280					48cc	673	13.8	12.9	12.0					BBC645280D48
468	4.310					48cc	683	14.0	13.0	12.2					BBC645310D48
489	4.280	4.250	6.135	1.520	0.990	18cc	568	10.7	10.2	9.7	4032	0.48	0.0041	0.0049	BBC520280D18
460	4.280	4.000	6.385	1.395	0.990	18cc	569	10.1	9.6	9.2	4032	0.36	0.0041	0.0049	BBC395280D18
460	4.280					28cc	610	11.1	10.5	9.9	2618	0.36	0.0056	0.0064	BBC395280D28
467	4.310					28cc	620	11.2	10.6	10.1					BBC395310D28
460	4.280					48cc	638	13.8	12.9	12.0					BBC395280D48
467	4.310					48cc	648	14.0	13.0	12.2					BBC395310D48
540	4.500	4.250	6.385	1.270R	0.990	10cc	542	10.9	10.4	9.9	4032	0.39	0.0041	0.0049	BBC270500D10
540	4.500					13cc	547	11.1	10.6	10.1					BBC270500D13
548	4.530					13cc	557	11.2	10.7	10.2					BBC270530D13
555	4.560					13cc	567	11.4	10.8	10.3					BBC270560D13
565	4.600					13cc	581	11.5	11.0	10.5					BBC270600D13
489	4.280					18cc	545	10.7	10.2	9.7					BBC270280D18
496	4.310					18cc	555	10.8	10.3	9.8					BBC270310D18
498	4.320					18cc	559	10.9	10.3	9.8					BBC270320D18
505	4.350					18cc	569	11.0	10.4	9.9					BBC270350D18
540	4.500					38cc	590	14.1	13.2	12.5	2618	0.39	0.0056	0.0064	BBC270500D38
548	4.530					38cc	600	14.3	13.4	12.6					BBC270530D38
555	4.560					38cc	610	14.4	13.5	12.8					BBC270560D38
565	4.600					38cc	624	14.6	13.7	12.9					BBC270600D38
489	4.280					43cc	614	13.8	12.9	12.1					BBC270280D43
496	4.310					43cc	624	13.9	13.0	12.2					BBC270310D43
498	4.320					43cc	628	14.0	13.1	12.3					BBC270320D43
505	4.350					43cc	638	14.1	13.2	12.4					BBC270350D43
489	4.280					48cc	599	14.6	13.6	12.7					BBC270280D48
504	4.280	4.375	6.385	1.228R	0.990	18cc	539	11.0	10.4	9.9	4032	0.35	0.0041	0.0049	BBC228280D18
511	4.310					18cc	549	11.1	10.5	10.1					BBC228310D18
557	4.500					34cc	576	13.9	13.1	12.4	2618	0.35	0.0056	0.0064	BBC228500D34
504	4.280	4.375	6.385	1.228R	0.990	41cc	602	13.8	12.9	12.2	2618	0.35	0.0056	0.0064	BBC228280D41
511	4.310					41cc	573	14.0	13.1	12.3	2618	0.40	0.0056	0.0064	BBC228310D41
557	4.500					8cc	531	11.0	10.5	10.0	4032	0.35	0.0041	0.0049	BBC228500D08

"Meas." = The location to measure piston-to-wall clearance, referenced from the bottom of the piston skirt.
 "Min" and "Max" is the suggested range of clearance over the coating for each application.

Cubic Inches	Bore	Stroke	Rod	Comp Height	Pin Diam.	Crown Vol	Wght G.	Compression Ratio			Alloy	Clearance Guide		Assembly Part Number
												*Meas.	Min	

BIG BLOCK CHEVY DOME continued...

604	4.500	4.750	6.660	1.160R	0.990	26cc	574	13.8	13.0	12.4	2618	0.31	0.0056	0.0064	BBC160500D26
632	4.600					26cc	608	14.3	13.5	12.8					BBC160600D26
540	4.500	4.250	6.535	1.120R	0.990	36cc	553	13.8	13.0	12.3	2618	0.37	0.0056	0.0064	BBC120500D36

Compression Heights with "R" INCLUDE Oil Support Rails

BIG BLOCK CHEVY INVERTED DOME

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

112cc 118cc 124cc

572	4.500	4.500	6.535	1.395	0.990	-28cc	585	8.8	8.5	8.2	2618	0.31	0.0056	0.0064	BBC395500I28
580	4.530					-28cc	595	8.9	8.6	8.3					BBC395530I28
598	4.600					-28cc	619	9.1	8.8	8.5					BBC395600I28
606	4.630					-28cc	629	9.2	8.9	8.6					BBC395630I28
540	4.500	4.250	6.385	1.270R	0.990	-26cc	557	8.5	8.2	7.9	2618	0.25	0.0056	0.0064	BBC270500I26
548	4.530					-26cc	567	8.6	8.3	8.0	2618	0.25	0.0056	0.0064	BBC270530I26
565	4.600					-26cc	591	8.8	8.5	8.2					BBC270600I26
572	4.630					-26cc	601	8.9	8.6	8.3					BBC270630I26
540	4.500					-9cc	532	9.4	9.1	8.7	2618	0.44	0.0056	0.0064	BBC270500I09

SMALL BLOCK FORD FLAT TOP

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

58cc 64cc 70cc

358	4.030	3.500	5.956	1.775	0.912	-6cc	477	11.1	10.3	9.7	4032	0.97	0.0025	0.0033	SBF775030F06
302	4.000	3.000	5.090	1.600	0.912	-6cc	464	9.6	8.9	8.3	4032	0.50	0.0025	0.0033	SBF600000F06
306	4.030						464	9.7	9.0	8.4					SBF600030F06
308	4.040						468	9.7	9.1	8.5					SBF600040F06
311	4.060						469	9.8	9.1	8.6					SBF600060F06
387	4.000	3.850	5.956	1.600	0.912	-6cc	457	12.0	11.1	10.4	4032	0.50	0.0025	0.0033	SBF600000F06
393	4.030						464	12.1	11.3	10.6					SBF600030F06
395	4.040						468	12.2	11.3	10.6					SBF600040F06
399	4.060						476	12.3	11.4	10.7					SBF600060F06
393	4.030	3.850	6.200	1.350	0.927	-6cc	440	12.1	11.3	10.6	4032	0.50	0.0025	0.0033	SBF350030F06
395	4.040						443	12.2	11.3	10.6					SBF350040F06
306	4.030	3.000	5.400	1.300	0.927	-6cc	418	9.7	9.0	8.4	4032	0.50	0.0025	0.0033	SBF300030F06
408	4.030	4.000	6.200	1.300	0.927	-6cc	418	12.6	11.7	10.9	4032	0.50	0.0025	0.0033	SBF300030F06
402	4.000	4.000	6.250	1.245	0.927	-6cc	414	12.4	11.5	10.8	4032	0.50	0.0025	0.0033	SBF245000F06
408	4.030						421	12.6	11.7	10.8					SBF245030F06
410	4.040						424	10.7	11.6	10.9					SBF245040F06
414	4.060						429	12.6	11.7	11.0					SBF245060F06
428	4.125						466	13.0	12.1	11.3					SBF245125F06
434	4.155						478	13.2	12.3	11.5					SBF245155F06
412	4.000	4.100	6.200	1.245	0.927	-6cc	414	12.7	11.8	11.0	4032	0.50	0.0025	0.0033	SBF245000F06
418	4.030						421	12.9	12.0	11.2					SBF245030F06
420	4.040						424	12.9	12.0	11.2					SBF245040F06
425	4.060						429	13.0	12.0	11.3					SBF245060F06
438	4.125						466	13.3	12.4	11.6					SBF245125F06
445	4.155						480	13.5	12.6	11.7					SBF245155F06
408	4.030	4.000*	6.250*	1.230	0.927	-6.6cc	TBA				4032		TBA		SBF230030F06
410	4.040						TBA						TBA		SBF230040F06
419	4.000	4.170	6.250	1.165R	0.927	-6.6cc	405	12.9	12.0	11.2	4032	0.50	0.0025	0.0033	SBF165000F06
425	4.030						412	13.0	12.1	11.3					SBF165030F06
428	4.040						416	13.1	12.2	11.4					SBF165040F06
431	4.060						422	13.2	12.3	11.5					SBF165060F06

* 9.480 deck block

Cubic Inches	Bore	Stroke	Rod	Comp Height	Pin Diam.	Crown Vol	Wght G.	Compression Ratio	Alloy	Clearance Guide			Assembly Part Number		
										*Meas.	Min	Max			
SMALL BLOCK FORD FLAT TOP continued...								58cc	64cc	70cc					
327	4.000	3.250	5.400	1.165R	0.927	-6cc	405	10.3	9.6	8.9	4032	0.50	0.0025	0.0033	SBF165000F06
331	4.030						412	10.4	9.7	9.1					SBF165030F06
333	4.040						416	10.5	9.7	9.1					SBF165040F06
337	4.060						422	10.5	9.8	9.2					SBF165060F06
347	4.125						407	10.8	10.0	9.4					SBF165125F06
342	4.000	3.400	5.400	1.090R	0.927	-6cc	388	10.7	9.9	9.3	4032	0.50	0.0025	0.0033	SBF090000F06
347	4.030						395	10.8	10.1	9.4					SBF090030F06
349	4.040						398	10.9	10.1	9.5					SBF090040F06
352	4.060						404	11.0	10.2	9.6					SBF090060F06
364	4.125						446	11.2	10.5	9.8					SBF090125F06
369	4.155						456	11.4	10.6	9.9					SBF090155F06

Compression Heights with "R" INCLUDE Oil Support Rails

SMALL BLOCK FORD DOME

1.5, 1.5, 3.0mm File Fit Performance Ring Set included								58cc	64cc	70cc					
331	4.030	3.250	5.400	1.165R	0.927	7cc	466	12.4	11.4	10.5	2618*	0.36	0.0046	0.0054	SBF165030D07
347	4.030	3.400	5.400	1.090R	0.927	7cc	446	13.0	11.9	11.0	2618*	0.25	0.0046	0.0054	SBF090030D07

Compression Heights with "R" INCLUDE Oil Support Rails

*Currently offered in both alloys

SMALL BLOCK FORD INVERTED DOME

1.5, 1.5, 3.0mm File Fit Performance Ring Set included								58cc	64cc	70cc					
393	4.030	3.850	5.956	1.600	0.912	-26cc	432	9.7	9.2	8.7	4032	0.50	0.0025	0.0033	SBF600030I26
395	4.040					-26cc	436	9.8	9.2	8.8					SBF600040I26
408	4.030	4.000	6.200	1.300	0.927	-20cc	396	10.7	10.1	9.5	4032	0.50	0.0025	0.0033	SBF300030I20
408	4.030					-28cc	407	9.9	9.3	8.9					4032
408	4.030	4.000	6.250	1.245	0.927	-26cc	388	10.1	9.5	9.0	4032	0.50	0.0025	0.0033	SBF245030I26
410	4.040					-26cc	392	10.1	9.6	9.1					SBF245040I26
418	4.030	4.100	6.200	1.245	0.927	-26cc	388	10.5	9.9	9.4	4032	0.50	0.0025	0.0033	SBF245030I26
420	4.040					-26cc	392	10.6	10.0	9.5					SBF245040I26
427	4.125	4.000	6.250	1.245	0.927	-26cc	420	10.3	9.7	9.2	4032	0.44	0.0025	0.0033	SBF245125I26
434	4.155					-26cc	432	10.3	9.8	9.3					SBF245155I26
438	4.125	4.100	6.200	1.245	0.927	-26cc	420	10.7	10.1	9.6	4032	0.44	0.0025	0.0033	SBF245125I26
445	4.155					-26cc	434	10.9	10.3	9.7					SBF245155I26
408	4.030	4.000	6.250	1.230	0.927	-20cc	403	10.7	10.1	9.5	4032	0.39	0.0025	0.0033	SBF230030I20
410	4.040					-20cc	406	10.7	10.1	9.6					SBF230040I20
419	4.000	4.170	6.250	1.165	0.927	-16cc	395	11.4	10.7	10.1	4032	0.50	0.0025	0.0033	SBF165000I16
425	4.030					-16cc	403	11.5	10.8	10.2					SBF165030I16
428	4.040					-16cc	406	11.6	10.9	10.3					SBF165040I16
431	4.060					-16cc	412	11.7	11.0	10.4					SBF165060I16
327	4.000					3.250	5.400	1.165	0.927	-16cc					395
331	4.030	3.250	5.400	1.165	0.927	-16cc	403	9.3	8.7	8.2	4032	0.50	0.0025	0.0033	SBF165030I16
333	4.040					-16cc	406	9.3	8.7	8.2					SBF165040I16
337	4.060					-16cc	412	9.4	8.8	8.3					SBF165060I16
347	4.030					3.400	5.400	1.090R	0.927	-16cc					385
349	4.040	3.400	5.400	1.090R	0.927	-16cc	388	9.7	9.1	8.6	4032	0.50	0.0025	0.0033	SBF090040I16
352	4.060					-16cc	392	9.8	9.2	8.7					SBF090060I16
364	4.125					-16cc	415	10.1	9.4	8.9					SBF090125I16

Compression Heights with "R" INCLUDE Oil Support Rails

"Meas." = The location to measure piston-to-wall clearance, referenced from the bottom of the piston skirt.
 "Min" and "Max" is the suggested range of clearance over the coating for each application.

Cubic Inches	Bore	Stroke	Rod	Comp Height	Pin Diam.	Crown Vol	Wght G.	Compression Ratio	Alloy	Clearance Guide			Assembly Part Number
										*Meas.	Min	Max	

SMALL FORD TWISTED WEDGE FLAT TOP

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

61cc

306	4.030	3.000	5.090	1.600	0.912	-6cc	469	9.3	4032	0.46	0.0025	0.0033	TWF600030F06
308	4.040						470	9.4					TWF600040F06
408	4.030	4.000	6.250	1.245	0.927	-6cc	426	12.1	4032	0.24	0.0025	0.0033	TWF245030F06
410	4.040						427	12.1					TWF245040F06
408	4.030	4.100	6.200	1.245	0.927	-6cc	426	12.4	4032	0.24	0.0025	0.0033	TWF245030F06
410	4.040						427	12.4					TWF245040F06
331	4.030	3.250	5.400	1.165R	0.927	-6cc	418	10.0	4032	0.24	0.0025	0.0033	TWF165030F06
333	4.040						419	10.1					TWF165040F06
347	4.030	3.400	5.400	1.090R	0.927	-6cc	406	10.4	4032	0.20	0.0025	0.0033	TWF090030F06
349	4.040						407	10.5					TWF090040F06

Compression Heights with "R" INCLUDE Oil Support Rails

SMALL BLOCK FORD TWISTED WEDGE INVERTED DOME

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

61cc

331	4.030	3.250	5.400	1.165	0.927	-16cc	423	8.9	4032	0.24	0.0025	0.0033	TWF165030I16
333	4.040						424	9.0					TWF165040I16
347	4.030	3.400	5.400	1.090R	0.927	-16cc	410	9.3	4032	0.20	0.0025	0.0033	TWF090030I16
349	4.040						411	9.4					TWF090040I16

Compression Heights with "R" INCLUDE Oil Support Rails

SMALL BLOCK FORD CLEVELAND

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

60cc 64cc 72cc

358	4.030	3.500	6.000	1.450	0.927	-3cc	468	11.3	10.7	9.8	4032	0.53	0.0025	0.0033	FCL450030F03
393	4.030	3.850	6.000	1.275R	0.927	-3cc	459	12.3	11.7	10.7	4032	0.32	0.0025	0.0033	FCL275030F03
408	4.030	4.000	6.000	1.200R	0.927	-20cc	435	10.5	10.1	9.3	4032	0.24	0.0025	0.0033	FCL200030I20
408	4.030					-3cc	447	12.7	12.1	11.0					FCL200030F03

Compression Heights with "R" INCLUDE Oil Support Rails

FORD MODULAR 4.6/ 5.4

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

42cc 46cc 52cc

281	3.551	3.543	5.930	1.220	0.866	-16cc	324	9.9	9.4	8.7	4032	0.39	0.0006	0.0014	MOD220551I16
284	3.571					-16cc	330	10.0	9.5	8.8					MOD220571I16
285	3.581					-16cc	333	10.1	9.5	8.8					MOD220581I16
281	3.551					0cc	364	12.9	12.0	10.8	4032	0.41	0.0006	0.0014	MOD220551F00
284	3.571					0cc	370	13.0	12.1	10.9					MOD220571F00
285	3.581					0cc	373	13.1	12.1	11.0					MOD220581F00

FORD MODULAR 3-VALVE

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

42cc 46cc 52cc

281	3.551	3.543	5.930	1.220	0.866	-16cc	324	9.9	9.4	8.7	4032	0.39	0.0006	0.0014	M3V220551I16
284	3.571					-16cc	330	10.0	9.5	8.8					M3V220571I16
285	3.581					-16cc	333	10.1	9.5	8.8					M3V220581I16
281	3.551					-1cc	364	12.6	11.7	10.7	4032	0.41	0.0006	0.0014	M3V220551F01
284	3.571					-1cc	370	12.7	11.9	10.8					M3V220571F01
285	3.581					-1cc	373	12.8	11.9	10.8					M3V220581F01

2.3L FORD 4 CYLINDER PINTO

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

52cc 58cc 62cc

143	3.810	3.126	5.700	1.090R	0.927	-2cc	367	10.7	9.8	9.2	4032	0.54	0.0025	0.0033	PIN090810F01
143	3.820						370	10.7	9.8	9.3					PIN090820F01
144	3.830						372	10.8	9.9	9.4					PIN090830F01

Compression Heights with "R" INCLUDE Oil Support Rails

Cubic Inches	Bore	Stroke	Rod	Comp Height	Pin Diam.	Crown Vol	Wght G.	Compression Ratio	Alloy	Clearance *Meas.	Guide Min	Max	Assembly Part Number
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BIG BLOCK FORD

1.5, 1.5, 3.0mm File Fit Performance Ring Set included								72cc	80cc	84cc					
503	4.390	4.150	6.700	1.525	0.990	-28cc	600	10.4	9.7	9.4	4032	0.24	0.0041	0.0049	BBF525390I28
521	4.390	4.300	6.700	1.450	0.990	-36cc	591	10.1	9.5	9.2	4032	0.24	0.0041	0.0049	BBF450390I36
521	4.390					-3cc	588	13.6	12.5	12.0					BBF450390F03
533	4.440					-3cc	590	13.9	12.8	12.3					BBF450440F03
545	4.390	4.500	6.700	1.350	0.990	-38cc	572	10.3	9.7	9.5	4032	0.24	0.0041	0.0049	BBF350390I38
557	4.440					-38cc	580	10.5	9.9	9.7					BBF350440I38
545	4.390					-3cc	569	14.2	13.0	12.5					BBF350390F03
557	4.440					-3cc	572	14.5	13.3	12.8					BBF350440F03

FORD FE FLAT TOP & INVERTED

1.5, 1.5, 3.0mm File Fit Performance Ring Set included								68cc	72cc	76cc					
416	4.080	3.980	6.490	1.665	0.975	-20cc	525	9.6	9.3	9.0	4032	0.24	0.0025	0.0033	FFE665080I20
433	4.160					-20cc	553	10.0	9.6	9.3					FFE665160I20
407	4.080					-7cc	508	11.0	10.5	10.1					FFE665080F07
423	4.160					-7cc	536	11.4	10.9	10.5					FFE665160F07
431	4.080	4.125	6.700	1.390	0.990	-26cc	489	9.6	9.3	9.0	4032	0.24	0.0025	0.0033	FFE390080I26
431	4.080					-7cc	469	11.6	11.1	10.7					FFE390080F07
462	4.160	4.250	6.700	1.325	0.990	-33cc	503	9.6	9.3	9.1	4032	0.24	0.0025	0.0033	FFE325160I33
482	4.250					-20cc	495	11.2	10.8	10.5					FFE325250I20
489	4.280					-20cc	515	11.4	11.0	10.6					FFE325280I20
496	4.310					-20cc	499	11.5	11.1	10.7					FFE325310I20
462	4.160					-7cc	485	12.3	11.8	11.4					FFE325160F07

XR6 for Australian Fords

								Stock							
243	3.633	3.910	6.057	1.216	0.866	-14cc	344				4032	0.39	0.0025	0.0033	XR6216633I14
307	3.637						345								XR6216637I14
319	3.652						350								XR6216652I14

SMALL BLOCK MOPAR FLAT TOP

1.5, 1.5, 3.0mm File Fit Performance Ring Set included								60cc	65cc	70cc					
340	4.040	3.313	6.123	1.804	0.984	-5cc	490	10.5	9.9	9.3	4032	0.97	0.0025	0.0033	SBM804040F05
345	4.070						500	10.6	10.0	9.5					SBM804070F05
365	4.030	3.580	6.123	1.670	0.984	-5cc	472	11.2	10.5	10.0	4032	0.84	0.0025	0.0033	SBM670030F05
367	4.040						475	11.2	10.6	10.0					SBM670040F05
371	4.060						482	11.3	10.7	10.1					SBM670060F05
408	4.030	4.000	6.123	1.460	0.984	-5cc	447	12.4	11.7	11.0	4032	0.63	0.0025	0.0033	SBM460030F05
410	4.040						450	12.4	11.7	11.1					SBM460040F05
414	4.060						457	12.5	11.8	11.2					SBM460060F05
416	4.070						460	12.6	11.9	11.2					SBM460070F05

SMALL BLOCK MOPAR INVERTED

1.5, 1.5, 3.0mm File Fit Performance Ring Set included								60cc	65cc	70cc					
408	4.030	4.000	6.123	1.460	0.984	-28cc	465	9.7	9.2	8.9	2618	0.63	0.0049	0.0057	SBM460030I28
410	4.040						468	9.7	9.3	8.9					SBM460040I28
414	4.060						475	9.8	9.4	9.0					SBM460060I28
416	4.070						478	9.8	9.4	9.0					SBM460070I28

"Meas." = The location to measure piston-to-wall clearance, referenced from the bottom of the piston skirt.
 "Min" and "Max" is the suggested range of clearance over the coating for each application.

Cubic Inches	Bore	Stroke	Rod	Comp Height	Pin Diam.	Crown Vol	Wght G.	Compression Ratio			Alloy	Clearance Guide		Assembly Part Number
												*Meas.	Min	

BIG BLOCK MOPAR FLAT TOP

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

								72cc	80cc	84cc					
446	4.350	3.750	6.760	2.065	0.990	-8cc	613	11.2	10.3	10.0	4032	1.26	0.0041	0.0049	BBM065350F08
451	4.375						621	11.3	10.4	10.1					BBM065375F08
493	4.350	4.150	6.760	1.865	0.990	-8cc	583	12.3	11.3	10.9	4032	1.06	0.0041	0.0049	BBM865350F08
499	4.375						591	12.4	11.4	11.0					BBM865375F08
505	4.350	4.250	7.100	1.475	0.990	-8cc	523	12.5	11.6	11.2	4032	0.67	0.0041	0.0049	BBM475350F08
511	4.375						532	12.7	11.7	11.3					BBM475375F08
520	4.350	4.375	7.100	1.412	0.990	-8cc	513	12.9	11.9	11.5	4032	0.61	0.0041	0.0049	BBM412350F08
526	4.375						522	13.0	12.0	11.6					BBM412375F08

BIG BLOCK MOPAR FLAT TOP

								72cc	80cc	84cc					
535	4.350	4.500	7.100	1.350	0.990	-8cc	503	13.2	12.2	11.8	4032	0.55	0.0041	0.0049	BBM350350F08
541	4.375						512	13.3	12.3	11.9					BBM350375F08
493	4.350	4.150	6.760	1.120R	0.990	-8cc	460	12.3	11.3	10.9	4032	0.30	0.0041	0.0049	BBM120350F08
499	4.375						468	12.4	11.4	11.0					BBM120375F08

BIG BLOCK OLDSMOBILE

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

								72cc	80cc	84cc					
488	4.155	4.500	7.100	1.260	0.990	-22cc	492	10.7	10.1	9.7	4032	0.24	0.0026	0.0034	BBO260155I22
495	4.185						504	10.8	10.1	9.8					BBO260185I22

BIG BLOCK PONTIAC

1.5, 1.5, 3.0mm File Fit Performance Ring Set included

								72cc	80cc	84cc					
461	4.155	4.250	6.800	1.285	0.990	-6cc	510	11.9	11.0	10.5	4032	0.24	0.0025	0.0033	BBP285155F06
468	4.185						518	12.0	11.1	10.7					BBP285185F06

HEMI 5.7L

								85cc							
392	3.927	4.050	6.125	1.095	0.927	-2cc		9.3			4032	TBA	0.0025	0.0033	HMI095927F02
394	3.937					-2cc		9.3							HMI095937F02
396	3.947					-2cc		9.4							HMI095947F02
392	3.927					6cc		10.5			4032	TBA	0.0025	0.0033	HMI095927D06
396	3.947					6cc		10.6							HMI095947D06
345	3.917	3.580	6.243	1.205	0.945	10cc	TBA	9.6				TBA	0.0025	0.0033	HMI205917D10

HEMI 6.1L

								74cc							
370	4.055	3.580	6.243	1.205	0.984	-2cc	TBA	10.0			4032	TBA	0.0025	0.0033	HMI205055F02
420	4.065	4.050	6.125	1.095	0.927	-12cc		10.0			4032	TBA	0.0025	0.0033	HMI095065I12
424	4.080					-12cc		10.1							HMI095080I12
426	4.090					-12cc		10.2							HMI095090I12
420	4.065					-25cc		9.0			4032	TBA	0.0025	0.0033	HMI095065I25
424	4.080					-25cc		9.0							HMI095080I25
426	4.090					-25cc		9.1							HMI095090I25

ACURA RSX K20/ K24

1.2, 1.2, 2.8mm Performance Ring Set Included

								51cc							
86.00mm	86mm	139mm	30mm	22mm	-9cc	326		9.0			4032	0.24	0.0016	0.0024	ACR176386I09
86.50mm					-9cc	326		9.0							ACR176405I09
87.00mm					-9cc	326		9.1							ACR176425I09
86.00mm					12cc	325		12.5			4032	0.24	0.0016	0.0024	ACR176386D12
86.50mm					12cc	327		12.5							ACR176405D12
87.00mm					12cc	329		12.5							ACR176425D12

Cubic Bore	Stroke	Rod	Comp	Pin	Crown	Wght	Compression Ratio	Alloy	Clearance Guide	Assembly
Inches			Height	Diam.	Vol	G.			*Meas. Min Max	Part Number

HONDA B16 A1, A2, A3 DOHC VTEC

1.0, 1.2, 2.8mm Performance Ring Set Included										42cc		
81.00mm	77.4mm	134.5mm	30mm	21mm	-1cc	270	9.2	4032	0.24	0.0016	0.0024	ACR181189F01
81.25mm					-1cc	274	9.3					ACR181199F01
81.50mm					-1cc	279	9.3					ACR181209F01
81.00mm					9cc	294	11.4	4032	0.24	0.0016	0.0024	ACR181189D09
81.25mm					9cc	297	11.5					ACR181199D09
81.50mm					9cc	300	11.6					ACR181209D09

ACURA B18C1 DOHC VTEC

1.0, 1.2, 2.8mm Performance Ring Set Included										41cc		
81.00mm	87.2mm	138mm	30mm	21mm	-8cc	275	9.0	4032	0.24	0.0016	0.0024	ACR181189I08
81.25mm					-8cc	278	9.0					ACR181199I08
81.50mm					-8cc	282	9.0					ACR181209I08
81.00mm					-1cc	270	10.5	4032	0.24	0.0016	0.0024	ACR181189F01
81.25mm					-1cc	274	10.5					ACR181199F01
81.50mm					-1cc	279	10.5					ACR181209F01
84.00mm					6cc	314	12.5	4032	0.24	0.0016	0.0024	ACR181307D06
85.00mm					6cc	318	12.5					ACR181346D06
81.00mm					9cc	294	12.5	4032	0.24	0.0016	0.0024	ACR181189D09
81.25mm					9cc	297	12.5					ACR181199D09
81.50mm					9cc	300	12.5					ACR181209D09

AUDI/VOLKSWAGEN EARLY 1.8L TURBO

1.0, 1.2, 2.8mm Performance Ring Set Included										42cc		
81.00mm	86.4mm	144mm	32.7mm	20mm	-12cc	290	8.5	4032	0.39	0.0010	0.0018	AUD287189I12
81.50mm						292	8.5					AUD287209I12
82.50mm						294	8.5					AUD287248I12

AUDI 2.7L 5-VALVE TURBO

1.0, 1.2, 2.8mm Performance Ring Set Included										42cc		
81.00mm	86.4mm	144mm	32.7mm	20mm	-12cc	290	8.5	4032	0.39	0.0010	0.0018	AU6287189I12
81.50mm						292	8.5					AU6287209I12
82.50mm						294	8.5					AU6287248I12

MITSUBISHI 4G63 2.0L 88-92 ECLIPSE

1.2, 1.2, 2.8mm Performance Ring Set Included										47cc		
85.50mm	100.0mm	150mm	28.7mm	21mm	-19cc	279	9.0	4032	0.24	0.0016	0.0024	MIT130366I19
86.00mm						282	9.0					MIT130385I19
85.50mm	88.0mm	150mm	34.7mm	21mm	-10cc	312	9.0	4032	0.31	0.0016	0.0024	MIT367366I10
86.00mm						298	9.2					MIT367385I10

MITSUBISHI 4G63 2.0L 93-02 ECLIPSE 03-09 LANCER EVO

1.2, 1.2, 2.8mm Performance Ring Set Included										47cc		
85.50mm	100.0mm	150mm	28.7mm	22mm	-19cc	275	9.0	4032	0.24	0.0016	0.0024	EVO130366I19
86.00mm						280	9.0					EVO130385I19
85.00mm	88.0mm	150mm	34.7mm	22mm	-10cc	309	9.0	4032	0.31	0.0016	0.0024	EVO367346I10
85.50mm						314	9.0					EVO367366I10
86.00mm						318	9.0					EVO367385I10

MITSUBISHI 4B11T EVO X 2.0L

1.2, 1.2, 2.8mm Performance Ring Set Included										55.5cc		
86.00mm	86.0mm	143.75mm	33.37mm	23mm	-4.5		9.0	2618	0.51	0.0016	0.0024	EVO314385I05

"Meas." = The location to measure piston-to-wall clearance, referenced from the bottom of the piston skirt.
 "Min" and "Max" is the suggested range of clearance over the coating for each application.

Cubic Inches	Bore	Stroke	Rod	Comp Height	Pin Diam.	Crown Vol	Wght G.	Compression Ratio	Alloy	Clearance Guide			Assembly Part Number
										*Meas.	Min	Max	

HONDA H22 GOLD SERIES- FOR USE IN FACTORY FIBER REINFORCED MATRIC CYLINDERS ONLY

1.2, 1.2, 2.8mm Performance Ring Set Included										54cc			Assembly Part Number
87.00mm	90.0mm	143mm	31mm	22mm	-7cc	328	9.0	4032	0.24	0.0016	0.0024	H22220425I07	
87.25mm					-7cc	331	9.0					H22220435I07	
87.00mm					-1cc	319	10.0	4032	0.24	0.0016	0.0024	H22220425F01	
87.25mm					-1cc	322	10.0					H22220435F01	
87.00mm					10cc	342	11.5	4032	0.24	0.0016	0.0024	H22220425D10	
87.25mm					10cc	348	11.5					H22220435D10	

HONDA H22 FOR SLEEVED H22 ENGINES ONLY

1.2, 1.2, 2.8mm Performance Ring Set Included										54cc			Assembly Part Number
87.00mm	90.0mm	143mm	31mm	22mm	-7cc	328	9.0	4032	0.24	0.0016	0.0024	HON220425I07	
87.50mm					-7cc	331	9.0					HON220445I07	
87.00mm					-1cc	319	10.0	4032	0.24	0.0016	0.0024	HON220425F01	
87.50mm					-1cc	322	10.0					HON220445F01	

HONDA B20B4 WITH B16A1/A2/A3 HEAD HYBRID

1.2, 1.2, 2.8mm Performance Ring Set Included										42cc			Assembly Part Number
84.00mm	89.00mm	137mm	30mm	21mm	-11.5cc	275	9.0	4032	0.24	0.0016	0.0024	HON181307I12	
84.50mm					-11.5cc	275	9.0					HON181327I12	
85.00mm					6cc	289	11.5					HON181346D06	

NISSAN SR20DET (SILVIA)

1.2, 1.2, 2.8mm Performance Ring Set Included										46.5cc			Assembly Part Number
86.50mm	86.0mm	136mm	31.8mm	22mm	-11.5cc	325	8.5	4032	0.24	0.0016	0.0024	NIS253405I12	
87.00mm						326	8.5					NIS253425I12	

NISSAN RB25DET (SKYLINE)

1.2, 1.2, 2.8mm Performance Ring Set Included										62cc			Assembly Part Number
86.00mm	71.7mm	121.5mm	31.3mm	21mm	-11.5cc	343	8.5	4032	0.24	0.0025	0.0033	NIS232385I12	
86.50mm						344	8.5					NIS232405I12	
87.00mm						345	8.5					NIS232425I12	

NISSAN RB26DET (SKYLINE)

1.2, 1.2, 2.8mm Performance Ring Set Included										70cc			Assembly Part Number
86.50mm	73.7mm	121.5mm	30.25mm	21mm	16cc	320	8.5	2816	0.24	0.0025	0.0033	NIS191405D16	
87.00mm						321	8.5					NIS191425D16	

NISSAN RB30DET(SKYLINE)

1.2, 1.2, 2.8mm Performance Ring Set Included										56cc			Assembly Part Number
86.50mm	85.0mm	152.5mm	32.1mm	21mm	-4.5cc	312	8.5	4032	0.24	0.0025	0.0033	NIS264405I05	
87.00mm						313	8.5					NIS264425I05	

NISSAN VQ35DET (350z, INFINITI G35)

1.2, 1.2, 2.8mm Performance Ring Set Included										56cc			Assembly Part Number
95.50mm	81.4mm	144.1mm	29.6mm	22mm	-5cc	365	8.5	4032	0.24	0.0016	0.0024	NIS165760I05	
96.00mm						366	8.5					NIS165780I05	

NISSAN KA24 DET 2.4L

1.2, 1.2, 2.8mm Performance Ring Set Included										46cc			Assembly Part Number
90.00mm	96.012mm	165.0mm	34mm	21mm	-24cc	360	9.0	2618	0.42	0.0025	0.0033	NIS338543I24	

NISSAN GT-R VR38 DETT 3.8L

1.2, 1.2, 2.8mm Performance Ring Set Included										64cc			Assembly Part Number
95.51mm	88.4mm	165.1mm	34.25mm	23mm	-4cc	429	9.0	2618	0.25	0.0025	0.0033	NIS348760I04	

Cubic Inches	Bore	Stroke	Rod	Comp Height	Pin Diam.	Crown Vol	Wght G.	Compression Ratio	Alloy	Clearance *Meas.	Guide Min	Max	Assembly Part Number
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HYUNDAI THETA L-4 TURBO 2.0L

1.2, 1.2, 2.8mm Performance Ring Set Included

86.00mm	86.00mm	146mm	30mm	22mm	-11cc	295		8.5	2618	0.26	0.0025	0.0033	HYU181385I11
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HYUNDAI LAMBDA V-6 TURBO 3.8L

1.2, 1.2, 2.8mm Performance Ring Set Included

96.00mm	87.00mm	149.5mm	31.47mm	22mm	-23cc	390		9.0	4032	0.24	0.0016	0.0024	HYU239780I23
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SUBARU 2.0L EJ20/207

1.2, 1.2, 2.8mm Performance Ring Set Included

49cc

92.00mm	75.0mm	130mm	32.7mm	23mm	-12cc	340		8.5	4032	0.24	0.0025	0.0033	SUB287622I12
92.50mm						348		8.0					SUB287642I12
93.00mm						353		8.0					SUB287661I12

SUBARU 2.0L STROKER

1.2, 1.2, 2.0mm Performance Ring Set Included

49cc

92.50mm	79.0mm	130.4mm	30.3mm	23mm	-16cc	333		8.0	4032	0.24	0.0025	0.0033	SUB193642I16
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SUBARU WRX 2.5L STI, FORESTER, LEGACY

1.2, 1.5, 2.8mm Performance Ring Set Included

56cc

99.50mm	79.0mm	130.4mm	30.7mm	23mm	-22cc	385		8.5	4032	0.24	0.0025	0.0033	WRX209917I22
99.75mm						390		8.5					WRX209927I22
100.0mm						395		8.6					WRX209937I22

TOYOTA 2AZ-FE (SCION TC)

1.2, 1.2, 2.8mm Performance Ring Set Included

42cc

88.50mm	96.0mm	149.5mm	33.5mm	22mm	-25cc	340		9.0	2618	0.24	0.0016	0.0024	TOY319484I25
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TOYOTA 3SGTE 2.0L 90-95 MR2 TURBO

1.2, 1.2, 2.8mm Performance Ring Set Included

51cc

86.50mm	86.0mm	138mm	35.0mm	22mm	-4cc	323		9.0	4032	0.24	0.0016	0.0024	TOY378405I04
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TOYOTA 2JZ-GTE (SUPRA)

1.2, 1.2, 2.8mm Performance Ring Set Included

46cc

86.50mm	86.0mm	142.0mm	34.0mm	22mm	-14cc	319		8.5	2618	0.24	0.0025	0.0033	TOY864405I14
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TOYOTA 2ZZ-FE (CELICA GT-S)

1.0, 1.2, 2.8mm Performance Ring Set Included

38cc

82.00mm	85.0mm	137.9mm	31.2mm	20mm	-12cc	299		9.0	4032	0.24	0.0021	0.0029	2ZZ228228I12
82.00mm					4.3cc	317		12.3					2ZZ228228D04

"Meas." = The location to measure piston-to-wall clearance, referenced from the bottom of the piston skirt.
 "Min" and "Max" is the suggested range of clearance over the coating for each application.

Cubic Inches	Bore	Stroke	Rod	Comp Height	Pin Diam.	Crown Vol	Wght G.	Compression Ratio	Alloy	Clearance Guide *Meas.	Min	Max	Assembly Part Number
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POWERPAK PLUS +

TOYOTA 2JZ-GTE (SUPRA)

1.2, 1.2, 2.0mm Performance Ring Set Included								46cc						
86.50mm	86.0mm	142.0mm	34.0mm	22mm	-14cc	319		8.5	2618	0.24	0.0031	0.0039	TOY338405P14	

SUBARU 2.0L STROKER

1.2, 1.2, 2.0mm Performance Ring Set Included								49cc					
92.50mm	79.0mm	130.4mm	30.3mm	23mm	-16cc	333		8.0	2618	0.24	0.0031	0.0039	SUB193642P16

SUBARU 2.0L EJ20/207

1.2, 1.2, 2.0mm Performance Ring Set Included								49cc					
92.50mm	75.0mm	130.4mm	32.7mm	23mm	-12cc	348		8.0	2618	0.24	0.0031	0.0039	SUB287642P12
93.00mm						353		8.0		0.24			SUB287661P12

SUBARU WRX 2.5L STI, FORESTER, LEGACY

1.2, 1.2, 2.0mm Performance Ring Set Included								56cc					
99.50mm	79.0mm	130.4mm	30.7mm	23mm	-22cc	400		8.5	2618	0.24	0.0031	0.0039	WRX209917P22
99.75mm						405		8.5					WRX209927P22
100.0mm						410		8.6					WRX209937P22

MITSUBISHI 4G63 2.0L 93-02 ECLIPSE 03-PRESENT LANCER EVO

1.2, 1.2, 2.0mm Performance Ring Set Included								47cc					
85.50mm	88.0mm	150mm	34.7mm	22mm	-10cc	314		9.0	2618	0.31	0.0025	0.0033	EVO367366P10
86.00mm	88.0mm	150mm	34.7mm	22mm	-10cc	318		9.0		0.31			EVO367385P10

MITSUBISHI 4G63 2.0L 88-92 ECLIPSE

1.2, 1.2, 2.0mm Performance Ring Set Included								47cc					
85.50mm	88.0mm	150mm	34.7mm	21mm	-10cc	312		9.0	2618	0.31	0.0025	0.0033	MIT367366P10
86.00mm						298		9.2		0.32			MIT367385P10

FORD MODULAR 4.6/ 5.4

1.5, 1.5, 3.0mm File Fit Performance Ring Set included								42cc	46cc	52cc					
284	3.571	3.543	5.930	1.220	0.866	-22cc	330	9.2	8.8	8.2	2618	0.39	0.0016	0.0024	MOD220571P22

FORD MODULAR 3-VALVE

1.5, 1.5, 3.0mm File Fit Performance Ring Set included								42cc	46cc	52cc					
284	3.571	3.543	5.930	1.220	0.866	-22cc	330	9.2	8.8	8.2	2618	0.39	0.0016	0.0024	M3V220571P22

L92 INVERTED DOME

1.5, 1.5, 3.0mm File Fit Performance Ring Set included								70cc					
377	4.070	3.622	6.125	1.314	0.927	-12cc	466	9.3	2618	0.53	0.0046	0.0054	L92314070P12
415	4.065	4.000	6.125	1.105R	0.927	-25cc	431	9.1	2618	0.34	0.0046	0.0054	L92105065P25
416	4.070						433	9.1					L92105070P25
428	4.125						432	9.3					L92105125P25

XR6

								Stock					
3.633	3.910	6.057	1.216	0.866	-14cc	344		9.3	2618	0.35	0.0031	0.0039	XR6216633P14
3.637						345							XR6216637P14
3.652						350							XR6216652P14

Finish Bore	Description	Assembly Part Number
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1.5mm, 1.5mm, 3.0mm File Fit Rings

3.551"	+ .005" 1.5, 1.5, 3.0 mm File Fit	3556MS-15
3.571"	+ .005" 1.5, 1.5, 3.0 mm File Fit	3576MS-15
3.581"	+ .005" 1.5, 1.5, 3.0 mm File Fit	3586MS-15
3.766"	+ .005 1.5, 1.5, 3.0 mm File Fit	3771MS-15
3.796"	+ .005 1.5, 1.5, 3.0 mm File Fit	3801MS-15
3.810"	+ .005" 1.5, 1.5, 3.0 mm 4cyl File Fit	3815MS-15
3.820"	+ .005" 1.5, 1.5, 3.0 mm 4cyl File Fit	3825MS-15
3.830"	+ .005" 1.5, 1.5, 3.0 mm 4cyl File Fit	3835MS-15
3.898"	+ .005" 1.5, 1.5, 3.0 mm File Fit	3903MS-15
3.905"	+ .005" 1.5, 1.5, 3.0 mm File Fit	3910MS-15
3.910"	+ .005" 1.5, 1.5, 3.0 mm File Fit	3915MS-15
4.000"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4005MS-15
4.010"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4015MS-15
4.020"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4025MS-15
4.030"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4035MS-15
4.040"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4045MS-15
4.055"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4060MS-15
4.060"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4065MS-15
4.065"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4070MS-15
4.070"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4075MS-15
4.080"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4085MS-15
4.090"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4095MS-15
4.100"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4105MS-15
4.110"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4115MS-15
4.120"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4125MS-15
4.125"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4130MS-15
4.130"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4135MS-15
4.135"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4140MS-15
4.140"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4145MS-15
4.145"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4150MS-15
4.150"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4155MS-15
4.155"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4160MS-15
4.160"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4165MS-15
4.165"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4170MS-15
4.250"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4255MS-15
4.280"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4285MS-15
4.310"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4315MS-15
4.320"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4325MS-15
4.350"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4355MS-15
4.375"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4380MS-15
4.390"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4395MS-15
4.440"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4445MS-15
4.500"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4505MS-15
4.530"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4535MS-15
4.560"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4565MS-15
4.600"	+ .005" 1.5, 1.5, 3.0 mm File Fit	4605MS-15

1.5mm, 1.5mm, 3.0mm STD Tension Drop In Rings

3.551"	1.5, 1.5, 3.0 mm Drop In	3551MS-15
3.927"	1.5, 1.5, 3.0 mm Drop In	3927MS-15
3.937"	1.5, 1.5, 3.0 mm Drop In	3937MS-15
3.947"	1.5, 1.5, 3.0 mm Drop In	3947MS-15
4.000"	1.5, 1.5, 3.0 mm Drop In	4000MS-15D
4.030"	1.5, 1.5, 3.0 mm Drop In	4030MS-15D
4.125"	1.5, 1.5, 3.0 mm Drop In	4125MS-15D
4.155"	1.5, 1.5, 3.0 mm Drop In	4155MS-15D
4.500"	1.5, 1.5, 3.0 mm Drop In	4500MS-15D
4.600"	1.5, 1.5, 3.0 mm Drop In	4600MS-15D

Finish Bore	Description	Assembly Part Number
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1/16", 1/16", 3/16" Standard Tension File Fit Rings

4.020"	+ .005" 1/16", 1/16", 3/16" File Fit	4025MS
4.030"	+ .005" 1/16", 1/16", 3/16" File Fit	4035MS
4.040"	+ .005" 1/16", 1/16", 3/16" File Fit	4045MS
4.045"	+ .005" 1/16", 1/16", 3/16" File Fit	4050MS
4.060"	+ .005" 1/16", 1/16", 3/16" File Fit	4065MS
4.070"	+ .005" 1/16", 1/16", 3/16" File Fit	4075MS
4.100"	+ .005" 1/16", 1/16", 3/16" File Fit	4105MS
4.125"	+ .005" 1/16", 1/16", 3/16" File Fit	4130MS
4.130"	+ .005" 1/16", 1/16", 3/16" File Fit	4135MS
4.135"	+ .005" 1/16", 1/16", 3/16" File Fit	4140MS
4.145"	+ .005" 1/16", 1/16", 3/16" File Fit	4150MS
4.155"	+ .005" 1/16", 1/16", 3/16" File Fit	4160MS
4.165"	+ .005" 1/16", 1/16", 3/16" File Fit	4170MS
4.185"	+ .005" 1/16", 1/16", 3/16" File Fit	4190MS
4.250"	+ .005" 1/16", 1/16", 3/16" File Fit	4255MS
4.260"	+ .005" 1/16", 1/16", 3/16" File Fit	4265MS
4.270"	+ .005" 1/16", 1/16", 3/16" File Fit	4275MS
4.280"	+ .005" 1/16", 1/16", 3/16" File Fit	4285MS
4.290"	+ .005" 1/16", 1/16", 3/16" File Fit	4295MS
4.310"	+ .005" 1/16", 1/16", 3/16" File Fit	4315MS
4.320"	+ .005" 1/16", 1/16", 3/16" File Fit	4325MS
4.350"	+ .005" 1/16", 1/16", 3/16" File Fit	4355MS
4.360"	+ .005" 1/16", 1/16", 3/16" File Fit	4365MS
4.375"	+ .005" 1/16", 1/16", 3/16" File Fit	4380MS
4.380"	+ .005" 1/16", 1/16", 3/16" File Fit	4385MS
4.440"	+ .005" 1/16", 1/16", 3/16" File Fit	4445MS
4.470"	+ .005" 1/16", 1/16", 3/16" File Fit	4475MS
4.500"	+ .005" 1/16", 1/16", 3/16" File Fit	4505MS
4.530"	+ .005" 1/16", 1/16", 3/16" File Fit	4535MS
4.560"	+ .005" 1/16", 1/16", 3/16" File Fit	4565MS
4.600"	+ .005" 1/16", 1/16", 3/16" File Fit	4605MS
4.630"	+ .005" 1/16", 1/16", 3/16" File Fit	4635MS

1/16", 1/16", 3/16" Standard Tension Drop In Rings

4.000"	1/16", 1/16", 3/16" Drop In	4000MS
4.020"	1/16", 1/16", 3/16" Drop In	4020MS
4.030"	1/16", 1/16", 3/16" Drop In	4030MS
4.040"	1/16", 1/16", 3/16" Drop In	4040MS
4.060"	1/16", 1/16", 3/16" Drop In	4060MS
4.080"	1/16", 1/16", 3/16" Drop In	4080MS
4.125"	1/16", 1/16", 3/16" Drop In	4125MS
4.145"	1/16", 1/16", 3/16" Drop In	4145MS
4.155"	1/16", 1/16", 3/16" Drop In	4155MS
4.165"	1/16", 1/16", 3/16" Drop In	4165MS
4.185"	1/16", 1/16", 3/16" Drop In	4185MS
4.250"	1/16", 1/16", 3/16" Drop In	4250MS
4.260"	1/16", 1/16", 3/16" Drop In	4260MS
4.270"	1/16", 1/16", 3/16" Drop In	4270MS
4.280"	1/16", 1/16", 3/16" Drop In	4280MS
4.290"	1/16", 1/16", 3/16" Drop In	4290MS
4.310"	1/16", 1/16", 3/16" Drop In	4310MS
4.330"	1/16", 1/16", 3/16" Drop In	4330MS
4.360"	1/16", 1/16", 3/16" Drop In	4360MS
4.390"	1/16", 1/16", 3/16" Drop In	4390MS

Finish Bore	Description	Assembly Part Number
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1/16", 1/16", 3/16" Standard Tension Drop In Rings cont...

4.400"	1/16", 1/16", 3/16" Drop In	4400MS
4.420"	1/16", 1/16", 3/16" Drop In	4420MS
4.466"	1/16", 1/16", 3/16" Drop In	4466MS
4.500"	1/16", 1/16", 3/16" Drop In	4500MS
4.600"	1/16", 1/16", 3/16" Drop In	4600MS
4.630"	1/16", 1/16", 3/16" Drop In	4630MS

1/16", 1/16", 3/16" Low Tension File Fit Rings

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

.043", .043", 3.0mm Low Tension File Fit Rings

3.551"	+ .005" .043", .043", 3.0mm File Fit	3556ML-043
3.571"	+ .005" .043", .043", 3.0mm File Fit	3576ML-043
3.581"	+ .005" .043", .043", 3.0mm File Fit	3586ML-043
3.766"	+ .005" .043, .043, 3.0mm File Fit	3771MS-043
3.776"	+ .005" .043, .043, 3.0mm File Fit	3781MS-043
3.786"	+ .005" .043, .043, 3.0mm File Fit	3791MS-043
3.796"	+ .005" .043, .043, 3.0mm File Fit	3801MS-043
3.810"	+ .005" .043", .043", 3.0mm 2.3L File fit	3815ML-043
3.820"	+ .005" .043", .043", 3.0mm 2.3L File fit	3825ML-043
3.830"	+ .005" .043", .043", 3.0mm 2.3L File fit	3835ML-043
3.898"	+ .005" .043", .043", 3.0mm File Fit	3903ML-043
3.905"	+ .005" .043", .043", 3.0mm File Fit	3910ML-043
3.910"	+ .005" .043", .043", 3.0mm File Fit	3915ML-043
4.000"	+ .005" .043", .043", 3.0mm File Fit	4005ML-043
4.005"	+ .005" .043", .043", 3.0mm File Fit	4010ML-043
4.010"	+ .005" .043", .043", 3.0mm File Fit	4015ML-043

Finish Bore	Description	Assembly Part Number
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.043", .043", 3.0mm Low Tension File Fit Rings Cont..

4.020"	+ .005" .043", .043", 3.0mm File Fit	4025ML-043
4.025"	+ .005" .043", .043", 3.0mm File Fit	4030ML-043
4.030"	+ .005" .043", .043", 3.0mm File Fit	4035ML-043
4.035"	+ .005" .043", .043", 3.0mm File Fit	4040ML-043
4.040"	+ .005" .043", .043", 3.0mm File Fit	4045ML-043
4.045"	+ .005" .043", .043", 3.0mm File Fit	4050ML-043
4.050"	+ .005" .043", .043", 3.0mm File Fit	4055ML-043
4.055"	+ .005" .043", .043", 3.0mm File Fit	4060ML-043
4.060"	+ .005" .043", .043", 3.0mm File Fit	4065ML-043
4.065"	+ .005" .043", .043", 3.0mm File Fit	4070ML-043
4.070"	+ .005" .043", .043", 3.0mm File Fit	4075ML-043
4.080"	+ .005" .043", .043", 3.0mm File Fit	4085ML-043
4.100"	+ .005" .043", .043", 3.0mm File Fit	4105ML-043
4.125"	+ .005" .043", .043", 3.0mm File Fit	4130ML-043
4.130"	+ .005" .043", .043", 3.0mm File Fit	4135ML-043
4.135"	+ .005" .043", .043", 3.0mm File Fit	4140ML-043
4.140"	+ .005" .043", .043", 3.0mm File Fit	4145ML-043
4.145"	+ .005" .043", .043", 3.0mm File Fit	4150ML-043
4.150"	+ .005" .043", .043", 3.0mm File Fit	4155ML-043
4.155"	+ .005" .043", .043", 3.0mm File Fit	4160ML-043
4.160"	+ .005" .043", .043", 3.0mm File Fit	4165ML-043
4.165"	+ .005" .043", .043", 3.0mm File Fit	4170ML-043
4.170"	+ .005" .043", .043", 3.0mm File Fit	4175ML-043
4.175"	+ .005" .043", .043", 3.0mm File Fit	4180ML-043
4.180"	+ .005" .043", .043", 3.0mm File Fit	4185ML-043
4.185"	+ .005" .043", .043", 3.0mm File Fit	4190ML-043

1.1mm, 1.5mm, 3.0mm STD Tension File Fit Rings

4.125"	+ .005" 1.1, 1.5, 3.0 mm File Fit	4130MS-1115
4.130"	+ .005" 1.1, 1.5, 3.0 mm File Fit	4135MS-1115
4.135"	+ .005" 1.1, 1.5, 3.0 mm File Fit	4140MS-1115
4.140"	+ .005" 1.1, 1.5, 3.0 mm File Fit	4145MS-1115
4.145"	+ .005" 1.1, 1.5, 3.0 mm File Fit	4150MS-1115
4.150"	+ .005" 1.1, 1.5, 3.0 mm File Fit	4155MS-1115
4.155"	+ .005" 1.1, 1.5, 3.0 mm File Fit	4160MS-1115
4.160"	+ .005" 1.1, 1.5, 3.0 mm File Fit	4165MS-1115
4.165"	+ .005" 1.1, 1.5, 3.0 mm File Fit	4170MS-1115
4.185"	+ .005" 1.1, 1.5, 3.0 mm File Fit	4190MS-1115
4.250"	+ .005" 1.1, 1.5, 3.0 mm File Fit	4255MS-1115

Sport Compact Rings

80.50 mm	1.0, 1.2, 2.8 mm Drop In	8050MS-10
81.00 mm	1.0, 1.2, 2.8 mm Drop In	8100MS-10
81.25 mm	1.0, 1.2, 2.8 mm Drop In	8125MS-10
81.50 mm	1.0, 1.2, 2.8 mm Drop In	8150MS-10
82.00 mm	1.0, 1.2, 2.8 mm Drop In	8200MS-10
82.50 mm	1.0, 1.2, 2.8 mm Drop In	8250MS-10
83.00 mm	1.2, 1.2, 2.8 mm Drop In	8300MS-12
83.50 mm	1.2, 1.2, 2.8 mm Drop In	8350MS-12
84.00 mm	1.2, 1.2, 2.8 mm Drop In	8400MS-12
84.50 mm	1.2, 1.2, 2.8 mm Drop In	8450MS-12
85.00 mm	1.2, 1.2, 2.8 mm Drop In	8500MS-12
85.50 mm	1.2, 1.2, 2.8 mm Drop In	8550MS-12
86.00 mm	1.2, 1.2, 2.8 mm Drop In	8600MS-12
86.50 mm	1.2, 1.2, 2.8 mm Drop In	8650MS-12
87.00 mm	1.2, 1.2, 2.8 mm Drop In	8700MS-12
87.25 mm	1.2, 1.2, 2.8 mm Drop In	8725MS-12
87.50 mm	1.2, 1.2, 2.8 mm Drop In	8750MS-12

Finish Bore	Description	Assembly Part Number
Sport Compact Rings Cont...		
88.00 mm	1.2, 1.2, 2.8 mm Drop In	8800MS-12
88.50 mm	1.2, 1.2, 2.8 mm Drop In	8850MS-12
89.00 mm	1.2, 1.2, 2.8 mm Drop In	8900MS-12
89.50 mm	1.2, 1.2, 2.8 mm Drop In	8950MS-12
92.00 mm	1.2, 1.2, 2.5 mm Drop In	9200MS-12
92.30 mm	1.2, 1.2, 2.5 mm Drop In	9230MS-12
92.38 mm	1.2, 1.2, 2.5 mm Drop In	9238MS-12
92.50 mm	1.2, 1.2, 2.8 mm Drop In	9250MS-12
92.76 mm	1.2, 1.2, 2.5 mm Drop In	9276MS-12
93.00 mm	1.2, 1.2, 2.8 mm Drop In	9300MS-12
94.00 mm	1.2, 1.2, 2.5 mm Drop In	9400MS-12
95.50 mm	1.2, 1.2, 2.5 mm Drop In	9550MS-12
96.00 mm	1.2, 1.2, 2.5 mm Drop In	9600MS-12
99.50 mm	1.2, 1.2, 2.8 mm Drop In	9950MS-12
99.75 mm	1.2, 1.2, 2.8 mm Drop In	9975ms-12
100.00 mm	1.2, 1.2, 2.8 mm Drop In	10000MS-12

1.5mm Gas Nitrided Steel Top Ring Sets (8cyl)		
4.280"	1.5mm GNS Top Ring File Fit	4280GNS-15T
4.310"	1.5mm GNS Top Ring File Fit	4310GNS-15T
4.320"	1.5mm GNS Top Ring File Fit	4320GNS-15T
4.350"	1.5mm GNS Top Ring File Fit	4350GNS-15T
4.375"	1.5mm GNS Top Ring File Fit	4375GNS-15T
4.390"	1.5mm GNS Top Ring File Fit	4390GNS-15T
4.440"	1.5mm GNS Top Ring File Fit	4440GNS-15T
4.500"	1.5mm GNS Top Ring File Fit	4500GNS-15T
4.530"	1.5mm GNS Top Ring File Fit	4530GNS-15T
4.560"	1.5mm GNS Top Ring File Fit	4560GNS-15T
4.600"	1.5mm GNS Top Ring File Fit	4600GNS-15T

3.0mm Oil Ring Standard Tension Rails (8cyl)		
4.000"	3.0mm STD Tension Rails (16pcs)	4000-300R
4.030"	3.0mm STD Tension Rails (16pcs)	4030-300R
4.040"	3.0mm STD Tension Rails (16pcs)	4040-300R
4.060"	3.0mm STD Tension Rails (16pcs)	4060-300R
4.125"	3.0mm STD Tension Rails (16pcs)	4125-300R
4.135"	3.0mm STD Tension Rails (16pcs)	4135-300R
4.145"	3.0mm STD Tension Rails (16pcs)	4145-300R
4.155"	3.0mm STD Tension Rails (16pcs)	4155-300R
4.165"	3.0mm STD Tension Rails (16pcs)	4165-300R

3.0mm Oil Ring Standard Tension Expanders (8cyl)		
4.000"	3.0mm STD Tension Expanders (8pcs)	4000-300S
4.030"	3.0mm STD Tension Expanders (8pcs)	4020-300S
4.030"	3.0mm STD Tension Expanders (8pcs)	4030-300S
4.040"	3.0mm STD Tension Expanders (8pcs)	4040-300S
4.050"	3.0mm STD Tension Expanders (8pcs)	4050-300S
4.060"	3.0mm STD Tension Expanders (8pcs)	4060-300S
4.080"	3.0mm STD Tension Expanders (8pcs)	4080-300S
4.125"	3.0mm STD Tension Expanders (8pcs)	4125-300S
4.135"	3.0mm STD Tension Expanders (8pcs)	4135-300S
4.145"	3.0mm STD Tension Expanders (8pcs)	4145-300S
4.155"	3.0mm STD Tension Expanders (8pcs)	4155-300S
4.165"	3.0mm STD Tension Expanders (8pcs)	4165-300S

Description	Assembly Part Number
Oil Ring Support Rails	
3.810-3.840 3mm Support Rail	9302399
3.898-(LS1) 3mm Support Rail	9301680
4.000-4.040 3mm Support Rail	9290024
4.040-4.080 3mm Support Rail	9298684
4.125-4.185 3mm Support Rail	9290032
4.250-4.290 3mm Support Rail	9299227
4.310-4.350 3mm Support Rail	9299226
4.500-4.560 3mm Support Rail	9299228
4.600-4.630 3mm Support Rail	9299225
4.250-4.290 3/16" Support Rail	9290040
4.310-4.350 3/16" Support Rail	9298577
4.500-4.560 3/16" Support Rail	9290057
4.600-4.630 3/16" Support Rail	9299942

Piston Pins	
Light Weight .912" 90g Pin	9900159
Light Weight .927" 92g Pin	9900184
.792" 83g Pin	9900211
.866" 110g Pin	6458160
.867" 111g Pin	9900107
.912" 115g Pin	6458152
.927" 118g Pin	6457808
.928" 119g Pin	9900536
.930" 119g Pin	9900538
.945" 125g Pin	9900079
.984" 122g Pin	9299391
.990" 145g Pin	7758139
1.094" 153g Pin	9839256
Heavy Duty .927" 128g Pin	6457147
Heavy Duty .928" 129g Pin	9900108
Heavy Duty .929" 130g Pin	6455117

Sport Compact Pins	
787"(20mm) 84g Pin	9900293
827"(21mm) 98g Pin	9900109
827"(21mm) 118g Pin "MIT"	9300109
866"(22mm) 103g Pin	5859988
866"(22mm) 112g Pin "EVO"	9900106
905"(23mm) 124g Pin	9298392

Clips	
.792" x 1.6mm no tang Clip	9900215
.866" x 1.6mm no tang Clip	2042968
.912" x 1.6mm no tang Clip	6458129
.927" x 1.6mm no tang Clip	6441489
.945" x 1.6mm no tang Clip	9900539
.990" x 1.6mm no tang Clip	6458137
.927" x 1.6mm w/ tang Clip	6436901

Sport Compact Clips	
20mm x 1.6mm no tang	9298265
21mm x 1.6mm no tang	9900112
22mm x 1.6mm no tang	9900110
23mm x 1.6mm no tang	2042968
23mm OE Subaru (double tang)	6458129

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