

## INTRODUCTION

Childs & Albert has emerged as the leader in piston ring technology for all high performance and standard automotive use. C&A Piston Rings are the #1 choice of engine builders world wide. Childs & Albert Piston Rings are constantly put to the ultimate test racing to the checkered flag, or headin' down the highway. C&A Piston Rings stand alone from the competition as the highest quality, best performing, longest lasting piston ring product world wide. MADE IN THE USA.



### ZGS TECHNOLOGY

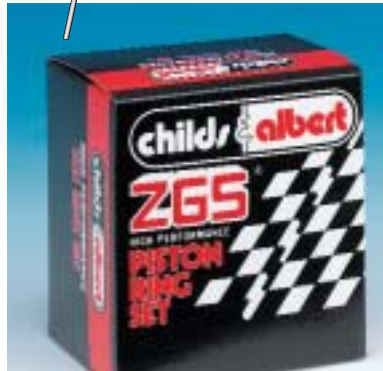
The ZGS (Zero Gap Second) Taper Face Ring was designed to provide superior combustion pressure control by reducing end gap leakage, as well as increase intake efficiency. Clearly the ZGS Taper Face Ring has exceeded all original expectations. The ZGS Taper Face Piston Ring stands alone as the single most significant performance advantage in piston ring technology in recent years.

Dynamometer testing over the past five years has shown that the ZGS Taper Face Ring Sets produce 9% more horsepower with an increase of 18 to 20 foot/lbs. of torque.

It is really quite simple how the Zero Gap Second Ring works. It has an overlapping step gap design (as shown) to eliminate end gap blow by, in addition to eliminating end gap alignment forever. The tremendous sealing ability of the ZGS Ring is very evident when you measure a cylinder's leak down. A reading of 0-1% is normal on a fresh motor.

It is now fact, not theory, that the ZGS provides a major performance advantage in all applications. Engine builders world-wide depend on the ZGS Piston Ring to provide their on-track winning performance.

Be a winner...Treat your next engine to a set of ZGS Rings for a surge of untapped power and dependability.



### DURA-MOLY ZGS RING SETS

With literally thousands of engines utilizing Childs & Albert's advanced one-piece design, it has gained recognition as the only true one-piece zero leak ring. The one-piece step gap design of the C&A ZGTF Piston Ring eliminates forever any possible end gap alignment leakage common to competitors two piece ring design.

The ZGTF Ring made from ductile iron incorporates a two degree outside taper which acts like a precision squeegee, wiping the cylinder wall clean of excess oil, eliminating possible combustion chamber contamination which can lead to detonation. Cylinder friction is reduced while all conformability is increased. You can now see why Childs & Albert is still, without a doubt, your high performance ring leader.

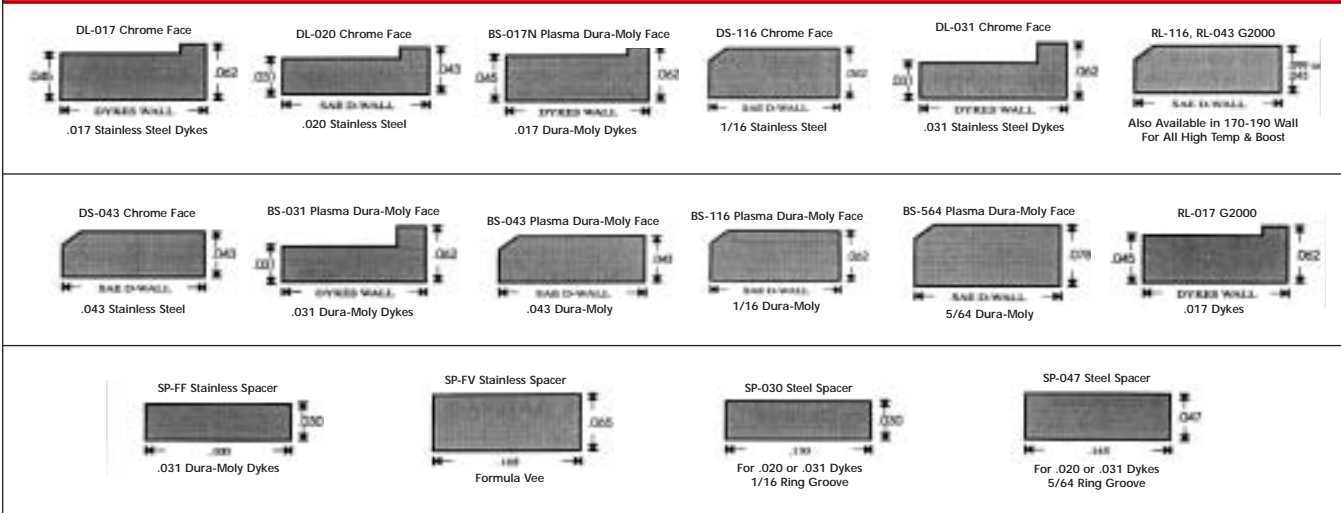


### DURA-MOLY FILE-FIT RING SETS

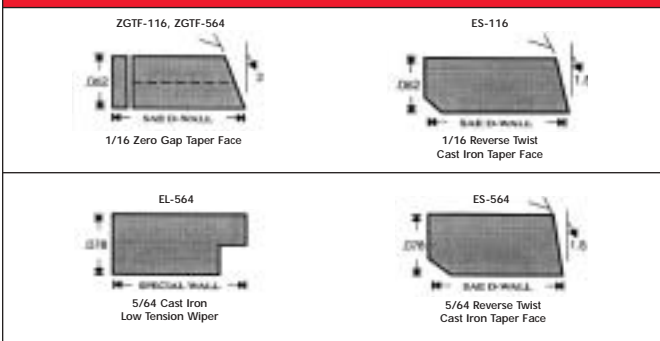
Continuing into the New Millennium Childs & Albert has developed a new ring technology for both racing and general performance. Knowledge gained over the last 25 years of ring manufacturing has led to the development of two new piston rings. For the ultimate in plasma moly rings Childs & Albert has developed the new Dura-Moly™ compression ring. Simply stated it is the best moly ring money can buy, bar none! Available in 1/16, 043, 017, 031, 5/64 cross sections.

The Childs & Albert Dura-Moly™ Ring is a newly designed ring, not just another re-hash of old technology. Unlike other conventional moly types the Dura-Moly™ Ring, made from premium ductile iron, is precision finished over the entire outside surface before the moly is applied. Additionally, the moly is applied (plasma process) at a much higher impact rate than normal. This high density plasma process virtually eliminates the fracturing and flaking common with other types. The net result is 63% increase compression ring life, 50% less cylinder wall wear and superior sealing characteristics, providing the engine builder and performance enthusiast with unequaled reliability.

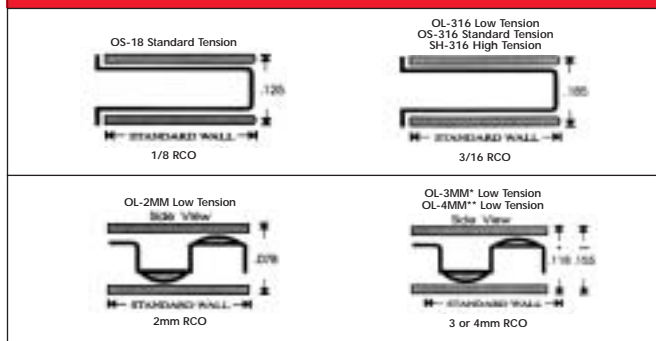
## COMPRESSION RINGS



## SECOND RINGS



## OIL RINGS



## ZGS Ring Chart

TOP RING		2ND RING		OIL RING		RING SET	
WIDTH	TYPE	WIDTH	TYPE	WIDTH	TENSION		
1.5MM	Dura-Moly™	1.5MM	ZGTF	3MM	Low	RS-21ZX Bore Size	
.031					3/16	Low	RS-30ZX Bore Size
.017						Standard	RS-31ZX Bore Size
1/16				High	RS-32ZX Bore Size		
				.043	3MM	Low	RS-33ZX Bore Size
3/16							RS-34ZX Bore Size
				.017	3MM	Low	RS-35ZX Bore Size
.043							RS-36ZX Bore Size
				5/64	3MM	Low	RS-37ZX Bore Size
3/16							RS-38ZX Bore Size
				.043	3/16	Standard	RS-39ZX Bore Size
1/16							Standard
				.043	3/16	High	RS-41ZX Bore Size
1/8							High
				.043	3/16	Standard	RS-43ZX Bore Size
High	RS-44ZX Bore Size						
	.031	3/16	Standard	RS-45ZX Bore Size			
.017				High	RS-46ZX Bore Size		
	.020	3/16	Standard		RS-47ZX Bore Size		
.017				High	RS-48ZX Bore Size		
	.043	3/16	Standard		RS-49ZX Bore Size		
1/16				High	RS-50ZX Bore Size		
	.043	3/16	Standard		RS-51ZX Bore Size		
.017				High	RS-52ZX Bore Size		
	.043	3/16	Standard		RS-53ZX Bore Size		
1/16				High	RS-54ZX Bore Size		
	.017	3/16	Standard		RS-55ZX Bore Size		
.043				3/16	High	RS-56ZX Bore Size	
	.017	3/16	Standard			RS-57ZX Bore Size	
.043				3/16	High	RS-58ZX Bore Size	
	.017	3/16	Standard			RS-59ZX Bore Size	
.043				3/16	High	RS-60ZX Bore Size	
	.017	3/16	Standard			RS-61ZX Bore Size	
.043				3/16	High	RS-62ZX Bore Size	

## Ring Prefixes

BS	TOP	DURA-MOLY
DL	TOP	STAINLESS CHROME DYKES
DS	TOP	STAINLESS CHROME
RL	TOP	G2000 TOOL STEEL
ES	2ND	CAST IRON REV. TWIST TAPER FACE
BS-043TF	2ND	DURA-MOLY REV. TWIST TAPER FACE
ZGTF	2ND	ZERO GAP TAPER FACE
OL	OIL	LOW TENSION OIL
OS	OIL	STANDARD TENSION OIL
SH	OIL	HIGH TENSION [SPRING STEEL EXPANDER] DISCONTINUED*
SSH	OIL	HIGH TENSION [STAINLESS EXPANDER]
ORS	OIL	OIL RAIL SUPPORT
SP		DYKES SPACER [TO USE A DYKES RING IN NON-DYKES GROOVE]

\* AVAILABLE ONLY WHILE SUPPLIES LAST

### How to figure out a single ring part number:

- For file fit rings (not ZGTF, OS, OL, SH, SSH):  
PREFIX - THICKNESS x BORE SIZE + .005
- For non file fit rings [ALL ZGTF, OS, OL, SH, SSH]:  
PREFIX - THICKNESS x BORE SIZE



## Bore Diameter 77mm-4.010

BORE DIAMETER	OVERSIZE	CYL	GM WGT PER CYL	COMP. RING		2ND RING		OIL RING			RING SET	
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION		
77mm 3.031	3.035	4		.031	DL-FV	2.5mm	ZGTV-FV	4.0mm	OL-FV	STD	RS-FVZX3.035	
3.209	3.212	4		1.5mm	BS-1.5	1.5mm	ZGTF-1.5	3mm	OL-3MM	LOW	RS-21ZX3.212	
3.270	3.271	4		1.5mm	BS-1.5	1.5mm	ZGTF-1.5	3mm	OL-3MM	LOW	RS-21ZX3.271	
3.285	3.290	4		1.5mm	BS-1.5	1.5mm	ZGTF-1.5	3mm	OL-3MM	LOW	RS-21ZX3.290	
3.366	3.369	4		1.5mm	BS-1.5	1.5mm	ZGTF-1.5	3mm	OL-3MM	LOW	RS-21ZX3.369	
3.376	3.379	4		1.5mm	BS-1.5	1.5mm	ZGTF-1.5	3mm	OL-3MM	LOW	RS-21ZX3.379	
3.387	3.389	4		1.5mm	BS-1.5	1.5mm	ZGTF-1.5	3mm	OL-3MM	LOW	RS-21ZX3.389	
3.661	3.644	4		1.5mm	BS-1.5	1.5mm	ZGTF-1.5	3mm	OL-3MM	LOW	RS-21ZX3.664	
94.0mm 3.701	STD	4		.031	DL-031	2.0mm	ZGTF-564	4.0mm	OS-532	STD	RS-VWZX3.701	
3.810	3.815	8	45	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	RS-30ZX3.815	
			49						OS-316	STD	RS-31ZX3.815	
			54	1/16	BS-116				DL-020	OS-316	STD	RS-43ZX3.815
			49									RS-50ZX3.815
3.905	3.910	8	45	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	RS-30ZX3.910	
			49						OS-316	STD	RS-31ZX3.910	
			46	.043	BS-043				OS-316	STD	RS-36ZX3.910	
			50	1/16	BS-116						DS-116	RS-43ZX3.910
			56						DS-116	RS-46ZX3.910		
			51	.043	DS-043				RS-47ZX3.910			
			53	.017	DL-017				RS-49ZX3.910			
100mm 3.935	3.940	8	45	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	RS-30ZX3.940	
			49						OS-316	STD	RS-31ZX3.940	
			50	1/16	BS-116				OS-316	STD	RS-35ZX3.940	
			46	.043	BS-043						RS-36ZX3.940	
			54	1/16	BS-116				DS-116	OS-316	STD	RS-43ZX3.940
			56									DS-116
			51	.043	DS-043				RS-47ZX3.940			
			48	.031	DL-031				RS-48ZX3.940			
53	.017	DL-017	RS-49ZX3.940									
4.000	4.005	8	45	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	RS-30ZX4.005	
			49						OS-316	STD	RS-31ZX4.005	
			51	.017	BS-017			3mm	OL-3MM	LOW	RS-32ZX4.005	
			39	1/16	BS-116						3mm	OL-316
			50					BS-116	RS-35ZX4.005			
			46	.043	BS-043			3mm	OL-3MM	LOW	RS-36ZX4.005	
			36	.017	BS-017						RS-37ZX4.005	
			35	.043	BS-043			3mm	OL-3MM	LOW	RS-38ZX4.005	
			59	5/64	BS-564						5/64	ZGTF-564
			63					BS-564	RS-40ZX4.005			
			50	.043	BS-043			1/16	ZGTF-116	3/16	OS-316	RS-41ZX4.005
			54	1/16	BS-116							DS-116
			41					BS-116	RS-44ZX4.005			
			56	DS-116	RS-46ZX4.005							
			51	.043	DS-043			3/16	OS-316	STD	RS-47ZX4.005	
			48	.031	DL-031						RS-48ZX4.005	
			53	.017	DL-017			RS-49ZX4.005				
49	1/16	DL-020	1/16	ZGTF-116	3/16	OS-316	RS-50ZX4.005					
56							RL-116	RS-53ZX4.005				
4.010	4.015	8	39	1/16	BS-116	1/16	ZGTF-116	3mm	OL-3MM	LOW	RS-34ZX4.015	
			50								BS-116	RS-35ZX4.015
			46	.043	BS-043			3/16	OL-316	STD	RS-36ZX4.015	
			50								BS-043	RS-41ZX4.015
			54	1/16	BS-116			1/8	OS-18	STD	RS-43ZX4.015	
41	BS-116	RS-44ZX4.015										

NOTE: the G2000 ring is now the standard for nitrous applications.

## Bore Diameter 4.020-4.050

BORE DIAMETER	OVERSIZE	CYL	GM WGT PER CYL	COMP. RING		2ND RING		OIL RING			RING SET
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION	
4.020	4.025	8	45	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	RS-30ZX4.025
			49	.031	BS-031				OS-316	STD	RS-31ZX4.025
			51	.017	BS-017			3mm	OL-3MM	LOW	RS-32ZX4.025
			39	1/16	BS-116				OL-316		RS-34ZX4.025
			50	.043	BS-043			3/16	OL-316	LOW	RS-35ZX4.025
			46	.043	BS-043				OL-316		RS-36ZX4.025
			36	.017	BS-017			3mm	OL-3MM	LOW	RS-37ZX4.025
			35	.043	BS-043				OL-3MM		RS-38ZX4.025
			50	.043	BS-043			3/16	OS-316	STD	RS-41ZX4.025
			54	1/16	BS-116				OS-316		RS-43ZX4.025
			41	1/16	BS-116			1/8	OS-18	STD	RS-44ZX4.025
			51	.043	DS-043				OS-18		RS-47ZX4.025
			48	.031	DL-031			3/16	OS-316	STD	RS-48ZX4.025
			53	.017	DL-017						OS-316
			49	1/16	DL-020			3/16	OS-316	STD	RS-50ZX4.025
			50	.043	RL-043						OS-316
4.030	4.035	8	45	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	RS-30ZX4.035
			49	.031	BS-031				OS-316	STD	RS-31ZX4.035
			51	.017	BS-017			3mm	SSH-316	HIGH	RS-32ZX4.035
			45	.017	BS-017				OL-3MM	LOW	RS-33ZX4.035
			39	1/16	BS-116			3/16	OL-316		LOW
			50	.043	BS-043				OL-316	RS-35ZX4.035	
			46	.043	BS-043			3mm	OL-3MM	LOW	RS-36ZX4.035
			36	.017	BS-017				OL-3MM		RS-37ZX4.035
			35	.043	BS-043			5/64	OL-316	STD	RS-38ZX4.035
			59	5/64	BS-564				OS-316		RS-39ZX4.035
			63	5/64	BS-564			3/16	OS-316	STD	RS-40ZX4.035
			46	.043	BS-043				SSH-316		RS-41ZX4.035
			44	.043	BS-043			1/8	OS-316	STD	RS-42ZX4.035
			54	1/16	BS-116				OS-316		RS-43ZX4.035
			41	1/16	BS-116			3/16	OS-18	STD	RS-44ZX4.035
			48	.043	DS-116				SSH-316		RS-45ZX4.035
			56	.043	DS-116			3/16	OS-316	STD	RS-46ZX4.035
			51	.043	DS-043						OS-316
			48	.031	DL-031			3/16	OS-316	STD	RS-48ZX4.035
			53	.017	DL-017						OS-316
			49	1/16	DL-020			3/16	OS-316	STD	RS-50ZX4.035
			50	.043	RL-043						OS-316
			56	1/16	RL-116			1/16	ZGTF-116	HIGH	RS-53ZX4.035
			50	.043	RL-043						SSH-316
44	.043	RL-043	1/16	ZGTF-116	HIGH	RS-58ZX4.035					
47	.017	DL-017				SSH-316	RS-61ZX4.035				
45	.043	DS-043	1/16	ZGTF-116	STD	RS-62ZX4.035					
4.040	4.045	8	45	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	RS-30ZX4.045
			49	.031	BS-031				OS-316	STD	RS-31ZX4.045
			51	.017	BS-017			3mm	OL-3MM	LOW	RS-32ZX4.045
			39	1/16	BS-116				OL-316		RS-34ZX4.045
			54	.043	BS-043			3/16	OL-316	LOW	RS-35ZX4.045
			46	.043	BS-043				OL-316		RS-36ZX4.045
			36	.017	BS-017			3mm	OL-3MM	LOW	RS-37ZX4.045
			35	.043	BS-043				OL-3MM		RS-38ZX4.045
			59	5/64	BS-564			5/64	OL-316	STD	RS-39ZX4.045
			63	5/64	BS-564				OS-316		RS-40ZX4.045
			50	.043	BS-043			3/16	OS-316	STD	RS-41ZX4.045
			54	1/16	BS-116				OS-316		RS-43ZX4.045
			41	1/16	BS-116			1/8	OS-18	STD	RS-44ZX4.045
			56	.043	DS-116				OS-18		RS-46ZX4.045
			50	.043	RL-043			3/16	OS-316	STD	RS-47ZX4.045
			53	.017	DL-017						OS-316
49	1/16	DL-020	3/16	OS-316	STD	RS-50ZX4.045					
51	.043	DS-043				OS-316	RS-52ZX4.045				
56	1/16	RL-116	1/16	ZGTF-116	STD	RS-53ZX4.045					
4.050	4.055	8	39	1/16	BS-116	1/16	ZGTF-116	3mm	OL-3MM	LOW	RS-34ZX4.055
			54	1/16	BS-116	1/16	ZGTF-116	3/16	OS-316	STD	RS-43ZX4.055



## Bore Diameter 4.060-4.135

BORE DIAMETER	OVERSIZE	CYL	GM WGT PER CYL	COMP. RING		2ND RING		OIL RING			RING SET						
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION							
4.060	4.065	8	45	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	RS-30ZX4.065						
			49		BS-031				OS-316	STD	RS-31ZX4.065						
			51		BS-017						RS-32ZX4.065						
			39	1/16	BS-116				3mm	OL-3MM	LOW	RS-34ZX4.065					
			50						3/16	OL-316		RS-35ZX4.065					
			46						.043	BS-043			RS-36ZX4.065				
			36	.017	BS-017			3mm	OL-3MM	RS-37ZX4.065							
			35	.043	BS-043					RS-38ZX4.065							
			59						OL-316	RS-39ZX4.065							
			63	5/64	BS-564			5/64	ZGTF-564	3/16	OS-316	STD	RS-40ZX4.065				
			50	.043	BS-043			1/16	ZGTF-116				RS-41ZX4.065				
			54	1/16	BS-116								1/8	OS-18	RS-43ZX4.065		
			41										DS-116	RS-44ZX4.065			
			56										DL-031	RS-46ZX4.065			
			48	.031	DL-031								3/16	OS-316	RS-48ZX4.065		
			53	.017	DL-017					RS-49ZX4.065							
			49	1/16	DL-020			RS-50ZX4.065									
			50	.043	RL-043			RS-52ZX4.065									
4.070	4.075	8	49	.031	BS-031	1/16	ZGTF-116	3/16	OS-316	STD	RS-31ZX4.075						
			39	1/16	BS-116			3mm	OL-3MM	LOW	RS-34ZX4.075						
			50					3/16	OL-316	RS-35ZX4.075							
			46					.043	BS-043	3mm	OL-3MM	RS-36ZX4.075					
			35	1/16	BS-116			3/16	OS-316	STD	RS-38ZX4.075						
			50								RS-41ZX4.075						
54					RS-43ZX4.075												
4.080	4.085	8	49	.031	BS-031	1/16	ZGTF-116	3/16	OS-316	STD	RS-31ZX4.085						
			39	1/16	BS-116			3mm	OL-3MM	LOW	RS-34ZX4.085						
			50					3/16	OL-316	RS-35ZX4.085							
			35					.043	BS-043	3mm	OL-3MM	RS-38ZX4.085					
			50	1/16	BS-116			3/16	OS-316	STD	RS-41ZX4.085						
			54								RS-43ZX4.085						
4.100	4.105	8	45	1/16	BS-116	1/16	ZGTF-116	3mm	OL-3MM	LOW	RS-34ZX4.105						
			56					3/16	OL-316		RS-35ZX4.105						
			51					.043	BS-043		3mm	OL-3MM	RS-36ZX4.105				
			40	3/16	OS-316					STD	RS-38ZX4.105						
			50								RS-41ZX4.105						
			55	1/16	BS-116					RS-43ZX4.105							
4.125	4.130	8	49	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	RS-30ZX4.130						
			48						OS-316	STD	RS-31ZX4.130						
			50						.017	BS-017			RS-32ZX4.130				
			45	1/16	BS-116				3mm	OL-3MM	LOW	RS-34ZX4.130					
			55						3/16	OL-316		RS-35ZX4.130					
			50						.043	BS-043			RS-36ZX4.130				
			40	.017	BS-017			3mm	OL-3MM	RS-37ZX4.130							
			40	.043	BS-043					RS-38ZX4.130							
			62	5/64	BS-564					5/64		ZGTF-564	OL-316	RS-39ZX4.130			
			61	1/16	BS-116			1/16	ZGTF-116	3/16	OS-316	RS-40ZX4.130					
			50									.043	BS-043		RS-41ZX4.130		
			55									1/16	BS-116	1/8	OS-18	RS-43ZX4.130	
			48													DS-116	RS-44ZX4.130
			55													DS-043	RS-46ZX4.130
			51									.043	DS-043	3/16	OS-316	STD	RS-47ZX4.130
			48	.031	DL-031			RS-48ZX4.130									
			51	.017	DL-017			RS-49ZX4.130									
			48	1/16	DL-020			RS-50ZX4.130									
48	.017	RL-017	RS-51ZX4.130														
51	.043	RL-043	RS-52ZX4.130														
55	1/16	RL-116			RS-53ZX4.130												
4.135	4.140	8	45	1/16	BS-116	1/16	ZGTF-116	3mm	OL-3MM	LOW	RS-34ZX4.140						
			56					3/16	OL-316		RS-35ZX4.140						
			51					.043	BS-043		3mm	OL-3MM	RS-36ZX4.140				
			40	3/16	OS-316					STD	RS-38ZX4.140						
			50								RS-41ZX4.140						
			55	1/16	BS-116					RS-43ZX4.140							
48	BS-116	1/8	OS-18			RS-44ZX4.140											

## Bore Diameter 4.145-4.187

BORE DIAMETER	OVERSIZE	CYL	GM WGT PER CYL	COMP. RING		2ND RING		OIL RING			RING SET			
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION				
4.145	4.150	8	45	1/16	BS-116	1/16	ZGTF-116	3mm	OL-3MM	LOW	RS-34ZX4.150			
			56					OL-316	RS-35ZX4.150					
			50	.043	BS-043			3/16	OS-316	STD	RS-41ZX4.150			
			55	1/16	BS-116			1/8			OS-18	RS-43ZX4.150		
			48					RS-44ZX4.150						
4.155	4.160	8	49	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	RS-30ZX4.160			
			48						OS-316	STD	RS-31ZX4.160			
			50						.017	BS-017	RS-32ZX4.160			
			45	1/16	BS-116			3mm	OL-3MM	LOW	RS-34ZX4.160			
			56					3/16	OL-316		RS-35ZX4.160			
			51	.043	BS-043			3/16	OL-316	LOW	RS-36ZX4.160			
			40	.017	BS-017						RS-37ZX4.160			
			40	.043	BS-043			3mm	OL-3MM	RS-38ZX4.160				
			62	5/64	BS-564			5/64	ZGTF-564	3/16	OL-316	RS-39ZX4.160		
			61								OS-316	RS-40ZX4.160		
			50	.043	BS-043			1/16	ZGTF-116	3/16	OS-316	RS-41ZX4.160		
			52	1/16	BS-116							1/8	OS-18	RS-43ZX4.160
			48											RS-44ZX4.160
			57	DS-116	RS-46ZX4.160									
			51	.043	DS-043					3/16	OS-316	STD	RS-47ZX4.160	
			58	.031	DL-031								RS-48ZX4.160	
			51	.017	DL-017								RS-49ZX4.160	
51	.043	RL-043	RS-52ZX4.160											
57	1/16	RL-116	RS-53ZX4.160											
4.165	4.170	8	49	.031	BS-031	1/16	ZGTF-116			3/16	OL-316	LOW	RS-30ZX4.170	
			48								OS-316	STD	RS-31ZX4.170	
			50	.017	BS-017						RS-32ZX4.170			
			56	1/16	BS-116					3/16	OL-316	LOW	RS-35ZX4.170	
			51	.043	BS-043								RS-36ZX4.170	
			62	5/64	BS-564					5/64	ZGTF-564	3/16	OS-316	RS-39ZX4.170
			61											OS-316
			50	.043	BS-043					1/16	ZGTF-116	1/8	OS-18	RS-41ZX4.170
			55	1/16	BS-116			RS-43ZX4.170						
			48					RS-44ZX4.170						
			57	DS-116	RS-46ZX4.170									
			48	.031	DL-031			3/16	OS-316			STD	RS-48ZX4.170	
			51	.017	DL-017								RS-49ZX4.170	
51	.043	RL-043	RS-52ZX4.170											
57	1/16	RL-116	RS-53ZX4.170											
49	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW						RS-30ZX4.190	
48							OS-316	STD	RS-31ZX4.190					
50	.017	BS-017					RS-32ZX4.190							
49	1/16	BS-116			3mm	OL-3MM	HIGH	RS-33ZX4.190						
56								SSH-316	RS-34ZX4.190					
51	.043	BS-043			3/16	OL-316	LOW	RS-35ZX4.190						
62	5/64	BS-564						5/64	ZGTF-564	3/16	OS-316	RS-36ZX4.190		
61					OS-316	STD	RS-39ZX4.190							
50	.043	BS-043			1/16	ZGTF-116	3/16	SSH-316	RS-40ZX4.190					
49	1/16	BS-116							1/8	OS-18	RS-41ZX4.190			
63											OS-316	RS-42ZX4.190		
48	SSH-316	RS-43ZX4.190												
54	1/16	DS-116					3/16	SSH-316	HIGH	RS-44ZX4.190				
57										OS-316	STD	RS-45ZX4.190		
51	.043	DS-043					3/16	OS-316	STD	RS-46ZX4.190				
48	.031	DL-031								RS-47ZX4.190				
51	DL-017	RS-48ZX4.190												
51	RL-017	RS-49ZX4.190												
50	.017	DL-017	RS-51ZX4.190											
50	.043	DS-043	3/16	SSH-316			HIGH	RS-56ZX4.190						
50								DL-017	RS-61ZX4.190					
50	.043	DS-043	RS-62ZX4.190											



## Bore Diameter 4.250-4.280

BORE DIAMETER	OVERSIZE	CYL	GM WGT PER CYL	COMP. RING		2ND RING		OIL RING			RING SET			
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION				
4.250	4.255	8	49	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	RS-30ZX4.255			
			48						OS-316	STD	RS-31ZX4.255			
			50	SSH-316	HIGH				RS-32ZX4.255					
			49						RS-33ZX4.255					
			56	1/16	BS-116				5/64	ZGTF-564	3/16	OL-316	LOW	RS-35ZX4.255
			51	.043	BS-043							RS-36ZX4.255		
			62	5/64	BS-564							RS-39ZX4.255		
			61						RS-40ZX4.255					
			50	.043	BS-043	1/16	ZGTF-116	3/16	OS-316	STD	RS-41ZX4.255			
			49						SSH-316	HIGH	RS-42ZX4.255			
			55	OS-316	STD				RS-43ZX4.255					
			48	1/16	BS-116				1/8	ZGTF-116	3/16	OS-18	STD	RS-44ZX4.255
			54									SSH-316	HIGH	RS-45ZX4.255
			57	.043	DS-116				1/16	ZGTF-116	3/16	OS-316	STD	RS-46ZX4.255
			51											RS-47ZX4.255
			48	.031	DL-031									RS-48ZX4.255
			51	.017	DL-017	RS-49ZX4.255								
			48	1/16	DL-020	RS-50ZX4.255								
			51	.017	RL-017	RS-51ZX4.255								
						RS-52ZX4.255								
			57	1/16	RL-116	RS-53ZX4.255								
			56			SSH-316	HIGH	RS-54ZX4.255						
			50	.017	RL-017	1/16	RL-017	3/16	SSH-316	HIGH	RS-56ZX4.255			
											SH-316	RS-57ZX4.255		
											SSH-316	RS-58ZX4.255		
											.043	RL-043	RS-61ZX4.255	
											.017	DL-017	RS-62ZX4.255	
											.043	DS-043	RS-62ZX4.255	
4.280	4.285	8	49	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	RS-30ZX4.285			
			48						OS-316	STD	RS-31ZX4.285			
			50	SSH-316	HIGH				RS-32ZX4.285					
			49						RS-33ZX4.285					
			56	1/16	BS-116				5/64	ZGTF-564	3/16	OL-316	LOW	RS-35ZX4.285
			51	.043	BS-043							RS-36ZX4.285		
			62	5/64	BS-564							RS-39ZX4.285		
			61						RS-40ZX4.285					
			50	.043	BS-043	1/16	ZGTF-116	3/16	OS-316	STD	RS-41ZX4.285			
			49						SSH-316	HIGH	RS-42ZX4.285			
			55	OS-316	STD				RS-43ZX4.285					
			48	1/16	BS-116				1/8	ZGTF-116	3/16	OS-18	STD	RS-44ZX4.285
			54									SSH-316	HIGH	RS-45ZX4.285
			57	.043	DS-116				1/16	ZGTF-116	3/16	OS-316	STD	RS-46ZX4.285
			51											RS-47ZX4.285
			48	.031	DL-031									RS-48ZX4.285
			51	.017	DL-017	RS-49ZX4.285								
			48	1/16	DL-020	RS-50ZX4.285								
			51	.017	RL-017	RS-51ZX4.285								
						RS-52ZX4.285								
			57	1/16	RL-116	RS-53ZX4.285								
			56			SSH-316	HIGH	RS-56ZX4.285						
			50	.043	RL-043	1/16	RL-017	3/16	SSH-316	HIGH	RS-57ZX4.285			
											SH-316	RS-58ZX4.285		
											SSH-316	RS-58ZX4.285		
											.017	DL-017	RS-61ZX4.285	

NOTE: the G2000 ring is now the standard for nitrous applications.

## Bore Diameter 4.310-4.390

BORE DIAMETER	OVERSIZE	CYL	GM WGT PER CYL	COMP. RING		2ND RING		OIL RING			RING SET	
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION		
4.310	4.315	8	49	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	RS-30ZX4.315	
			48						OS-316	STD	RS-31ZX4.315	
			50	SSH-316	HIGH				RS-32ZX4.315			
			49						RS-33ZX4.315			
			56	1/16	BS-116				5/64	OL-316	LOW	RS-35ZX4.315
			51	.043	BS-043					RS-36ZX4.315		
			62	5/64	BS-564	5/64	OS-316	STD	RS-39ZX4.315			
			61				RS-40ZX4.315					
			50	.043	BS-043	1/16	ZGTF-116	3/16	OS-316	STD	RS-41ZX4.315	
			49		BS-043				SSH-316	HIGH	RS-42ZX4.315	
			55	1/16	BS-116	1/16	ZGTF-116	3/16	OS-316	STD	RS-43ZX4.315	
			48						OS-18	STD	RS-44ZX4.315	
			54						SSH-316	HIGH	RS-45ZX4.315	
			57						DS-116	RS-46ZX4.315		
			51	.043	DS-043	1/16	ZGTF-116	3/16	OS-316	STD	RS-47ZX4.315	
			48	.031	DL-031						RS-48ZX4.315	
			51	.017	DL-017						RS-49ZX4.315	
			51	RL-017	RS-51ZX4.315							
				.043	RL-043	1/16	ZGTF-116	3/16	SSH-316	HIGH	RS-52ZX4.315	
			57	1/16	RL-116						RS-53ZX4.315	
			56	.017	RL-017						RS-54ZX4.315	
			50	.043	RL-043						RS-56ZX4.315	
				.017	DL-017	1/16	ZGTF-116	3/16	SSH-316	HIGH	RS-58ZX4.315	
			50	.043	DS-043						RS-61ZX4.315	
								RS-62ZX4.315				
4.320	4.325	8	49	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	RS-30ZX4.325	
			48						OS-316	STD	RS-31ZX4.325	
			56	1/16	BS-116				OL-316	LOW	RS-35ZX4.325	
			55						OS-316	STD	RS-43ZX4.325	
4.350	4.355	8	49	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	RS-30ZX4.355	
			48						OS-316	STD	RS-31ZX4.355	
			50	.017	BS-017				RS-32ZX4.355			
			56	1/16	BS-116				OL-316	LOW	RS-35ZX4.355	
			51	.043	BS-043				OS-316	STD	RS-36ZX4.355	
			50								RS-41ZX4.355	
			55	1/16	BS-116				RS-43ZX4.355			
			57		DS-116				RS-46ZX4.355			
		RL-116	RS-53ZX4.355									
4.375	4.380	8	49	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	RS-30ZX4.380	
			48						OS-316	STD	RS-31ZX4.380	
			50	.017	BS-017				SSH-316	HIGH	RS-32ZX4.380	
			49								RS-33ZX4.380	
			56	1/16	BS-116				OL-316	LOW	RS-35ZX4.380	
			51	.043	BS-043				OS-316	STD	RS-36ZX4.380	
			50			RS-41ZX4.380						
			49	.043	BS-043	SSH-316	HIGH	RS-42ZX4.380				
			55					OS-316	STD	RS-43ZX4.380		
			53	1/16	BS-116	1/16	ZGTF-116	3/16	OS-18	STD	RS-44ZX4.380	
			54						SSH-316	HIGH	RS-45ZX4.380	
			48						DS-116	RS-46ZX4.380		
			51						.043	DS-043	RS-47ZX4.380	
			48	.031	DL-031	1/16	ZGTF-116	3/16	OS-316	STD	RS-48ZX4.380	
			51	.017	DL-017						RS-49ZX4.380	
			51	RL-017	RS-51ZX4.380							
			51	.043	RL-043						RS-52ZX4.380	
			57	1/16	RL-116	1/16	ZGTF-116	3/16	SSH-316	HIGH	RS-53ZX4.380	
			56								RS-54ZX4.380	
				.017	RL-017	1/16	ZGTF-116	3/16	SH-316	HIGH	RS-56ZX4.380	
			50	.043	RL-043						RS-57ZX4.380	
				.017	DL-017	1/16	ZGTF-116	3/16	SSH-316	HIGH	RS-58ZX4.380	
			50	.043	DS-043						RS-61ZX4.380	
											RS-62ZX4.380	
4.390	4.395	8	60	1/16	BS-116	1/16	ZGTF-116	3/16	OL-316	LOW	RS-35ZX4.395	
			59						OS-316	STD	RS-43ZX4.395	





## Bore Diameter 4.437-4.500

BORE DIAMETER	OVERSIZE	CYL	GM WGT PER CYL	COMP. RING		2ND RING		OIL RING			RING SET			
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION				
4.437	4.443	8	51	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	RS-30ZX4.443			
			50						OS-316	STD	RS-31ZX4.443			
			53	.017	BS-017				SSH-316	HIGH	RS-32ZX4.443			
			60	1/16	BS-116				OL-316	LOW	RS-35ZX4.443			
			54	.043	BS-043				OS-316	STD	RS-36ZX4.443			
			53						SSH-316	HIGH	RS-41ZX4.443			
			59	1/16	BS-116				OS-316	STD	RS-42ZX4.443			
			60						SSH-316	HIGH	RS-43ZX4.443			
			55	.043	DS-116				OS-316	STD	RS-46ZX4.443			
			55	.031	DS-043						RS-47ZX4.443			
			51	.031	DL-031						RS-48ZX4.443			
			55	.017	DL-017						RS-49ZX4.443			
			52	1/16	DL-020						RS-50ZX4.443			
			54	.017	RL-017						RS-51ZX4.443			
				.043	RL-043						RS-52ZX4.443			
			60	1/16	RL-116						RS-53ZX4.443			
			55	.017	RL-017						SSH-316	HIGH	RS-54ZX4.443	
				.043	RL-043								RS-56ZX4.443	
				.017	DL-017								RS-58ZX4.443	
				.043	DS-043								RS-61ZX4.443	
												RS-62ZX4.443		
4.467	4.471	8	60	1/16	BS-116	1/16	ZGTF-116	3/16			OL-316	LOW	RS-35ZX4.471	
			59						OS-316	STD	RS-43ZX4.471			
			55	.017	DL-017				SSH-316	HIGH	RS-45ZX4.471			
			54	.043	RL-043				OS-316	STD	RS-49ZX4.471			
				55	.017				DL-017	SSH-316	HIGH	RS-52ZX4.471		
										RS-61ZX4.471				
4.500	4.505	8	51	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	RS-30ZX4.505			
			50						OS-316	STD	RS-31ZX4.505			
			53	.017	BS-017				SSH-316	HIGH	RS-32ZX4.505			
			49	1/16	BS-116				3mm	OL-3MM	LOW	RS-34ZX4.505		
												60	OS-316	STD
			54	.043	BS-043				3/16	OL-316	LOW	RS-36ZX4.505		
				.017	BS-017							RS-37ZX4.505		
			43	.043	BS-043				3mm	OL-3MM		RS-38ZX4.505		
			53						OS-316	STD	RS-41ZX4.505			
			59	1/16	BS-116				1/16	ZGTF-116	3/16	SSH-316	HIGH	RS-42ZX4.505
												60	OS-316	STD
			60	.043	DS-116				55	.031	DL-031	OS-316	STD	RS-45ZX4.505
			55											.043
			51	.031	DL-031				RS-47ZX4.505					
			55	.017	DL-017			RS-48ZX4.505						
				.017	RL-017			RS-49ZX4.505						
			54	.043	RL-043			RS-51ZX4.505						
				60	1/16			RL-116	RS-52ZX4.505					
			54	.017	RL-017			SSH-316	HIGH	RS-53ZX4.505				
				.043	RL-043					RS-54ZX4.505				
.017	DL-017	RS-56ZX4.505												
.043	DS-043	RS-58ZX4.505												
										RS-61ZX4.505				
										RS-62ZX4.505				

NOTE: the G2000 ring is now the standard for nitrous applications.

## Bore Diameter 4.530-4.600

BORE DIAMETER	OVERSIZE	CYL	GM WGT PER CYL	COMP. RING		2ND RING		OIL RING			RING SET		
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION			
4.530	4.535	8	51	.031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	RS-30ZX4.535		
			53	.017	BS-017				OS-316	STD	RS-32ZX4.535		
									SSH-316	HIGH	RS-33ZX4.535		
			49	1/16	BS-116			3mm	OL-3MM	LOW	RS-34ZX4.535		
			60								RS-35ZX4.535		
			54	.043	BS-043						3/16	OL-316	RS-36ZX4.535
				.017	BS-017			RS-37ZX4.535					
			43	.043	BS-043			3mm	OL-3MM	RS-38ZX4.535			
			53					OS-316	STD	RS-41ZX4.535			
								3/16	OS-316	STD	SSH-316	HIGH	RS-42ZX4.535
			59	1/16	BS-116						OS-316	STD	RS-43ZX4.535
			60	1/16	DS-116						SSH-316	HIGH	RS-45ZX4.535
			55	.017	DL-017						OS-316	STD	RS-46ZX4.535
			54	.043	RL-043			RS-49ZX4.535					
			60	1/16	RL-116			RS-52ZX4.535					
			54	.043	RL-043			RS-53ZX4.535					
55	.017	DL-017	SSH-316	HIGH	RS-54ZX4.535								
					RS-58ZX4.535								
					RS-61ZX4.535								
4.560	4.565	8	53	.017	BS-017	1/16	ZGTF-116	3/16	OS-316	STD	RS-32ZX4.565		
									SSH-316	HIGH	RS-33ZX4.565		
			49	1/16	BS-116			3mm	OL-3MM	LOW	RS-34ZX4.565		
			60					RS-35ZX4.565					
			54	.043	BS-043			3/16	OL-316		RS-36ZX4.565		
			43	.017	BS-017			3mm	OL-3MM	RS-37ZX4.565			
										RS-38ZX4.565			
			53	.043	BS-043			3/16	OS-316	STD	OS-316	STD	RS-41ZX4.565
											SSH-316	HIGH	RS-42ZX4.565
			59	1/16	BS-116						OS-316	STD	RS-43ZX4.565
			60	1/16	DS-116						SSH-316	HIGH	RS-45ZX4.565
			55	.017	DL-017			OS-316	STD	RS-46ZX4.565			
			54	.043	RL-043					RS-49ZX4.565			
60	1/16	RL-116	RS-52ZX4.565										
54	.043	RL-043	RS-53ZX4.565										
55	.017	DL-017	SSH-316	HIGH	RS-54ZX4.565								
					RS-58ZX4.565								
					RS-61ZX4.565								
4.600	4.605	8	53	.017	BS-017	1/16	ZGTF-116	3/16	OS-316	STD	RS-32ZX4.605		
									SSH-316	HIGH	RS-33ZX4.605		
			43	1/16	BS-116			3mm	OL-3MM	LOW	RS-34ZX4.605		
			60					RS-35ZX4.605					
			54	.043	BS-043			3/16	OL-316		RS-36ZX4.605		
				.017	BS-017			3mm	OL-3MM	RS-37ZX4.605			
			43							RS-38ZX4.605			
			53	.043	BS-043			3/16	OS-316	STD	OS-316	STD	RS-41ZX4.605
											SSH-316	HIGH	RS-42ZX4.605
			59	1/16	BS-116						OS-316	STD	RS-43ZX4.605
			60	1/16	DS-116						SSH-316	HIGH	RS-45ZX4.605
			55	.017	DL-017			OS-316	STD	RS-46ZX4.605			
			54	.043	RL-043					RS-49ZX4.605			
			60	1/16	RL-116					RS-52ZX4.605			
54	.043	RL-043	RS-53ZX4.605										
55	.017	DL-017	SSH-316	HIGH	RS-54ZX4.605								
					RS-58ZX4.605								
					RS-61ZX4.605								



## Bore Diameter 4.625

BORE DIAMETER	OVERSIZE	CYL	GM WGT PER CYL	COMP. RING		2ND RING		OIL RING			RING SET		
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION			
4.625	4.630	8	53	.017	BS-017	1/16	ZGTF-116	3/16	OS-316	STD	RS-32ZX4.630		
			49	1/16	BS-116			SSH-316	HIGH	RS-33ZX4.630			
			60					3mm	OL-3MM	LOW	RS-34ZX4.630		
			54	.043	BS-043			3/16	OL-316		RS-35ZX4.630		
			43	.017	BS-017			3mm	OL-3MM		RS-36ZX4.630		
			53	.043	BS-043						RS-37ZX4.630		
			59	1/16	BS-116			3/16	OS-316	STD	RS-41ZX4.630		
			60								DS-116	SSH-316	HIGH
			55	.043	DS-043						OS-316	STD	RS-43ZX4.630
			55	.017	DL-017						SSH-316	HIGH	RS-45ZX4.630
			54	.043	RL-043						OS-316	STD	RS-46ZX4.630
			60	1/16	RL-116								RS-47ZX4.630
			54	.043	RL-043								RS-49ZX4.630
			54	.043	RL-043								RS-52ZX4.630
			55	.017	DL-017						SSH-316	HIGH	RS-53ZX4.630
			55	.043	DS-043								RS-54ZX4.630
													RS-58ZX4.630
													RS-61ZX4.630
													RS-62ZX4.630

# RING SETS, ZGS .170

## Bore Diameter 4.500-4.625

BORE DIAMETER	OVERSIZE	CYL	GM WGT PER CYL	COMP. RING		2ND RING		OIL RING			RING SET
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION	
4.500	4.505	8	52	.043	RL-043-17	1/16	ZGTF-116	3/16	OS-316	STD	RS-52ZX4.505-17
									SSH-316	HIGH	RS-58ZX4.505-17
4.530	4.535	8	52	.043	RL-043-17	1/16	ZGTF-116	3/16	OS-316	STD	RS-52ZX4.535-17
									SSH-316	HIGH	RS-58ZX4.535-17
4.560	4.565	8	52	.043	RL-043-17	1/16	ZGTF-116	3/16	OS-316	STD	RS-52ZX4.565-17
									SSH-316	HIGH	RS-58ZX4.565-17
4.600	4.605	8	50	.043	BS-043-17	1/16	ZGTF-116	3/16	OS-316	STD	RS-41ZX4.605-17
			52						SSH-316	HIGH	RS-52ZX4.605-17
4.625	4.630	8	52	.043	RL-043-17	1/16	ZGTF-116	3/16	OS-316	STD	RS-52ZX4.630-17
									SSH-316	HIGH	RS-58ZX4.630-17



## TECHNICAL INFORMATION

Get individualized technical assistance in setting up and maintaining your Piston Rings for optimum performance and reliability. Childs & Albert has thirty years experience in the high performance piston ring field and is in a position to help you obtain the most effective combination for your particular application.

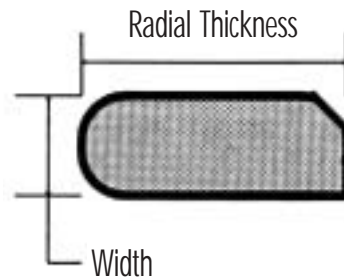
### RADIAL THICKNESS

All of the compression rings in the C&A line are manufactured to the Society of Automotive Engineers (SAE) D-wall specifications [except Dykes Rings, which have a radial thickness of .170" (.005", -.000")]. The radial thickness can easily be determined by using the following formula:

$$\text{Radial Thickness} = \frac{\text{Bore Dia}}{22}$$

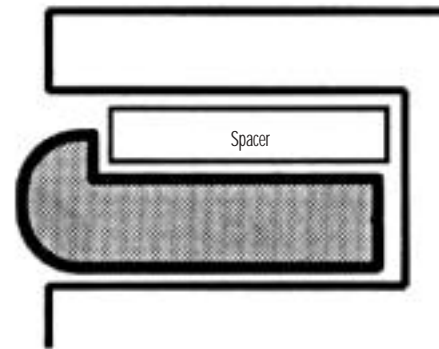
Example:

$$\text{A } 4.030'' \text{ bore} = \frac{4.030''}{22} = .183''$$



### RING SPACERS

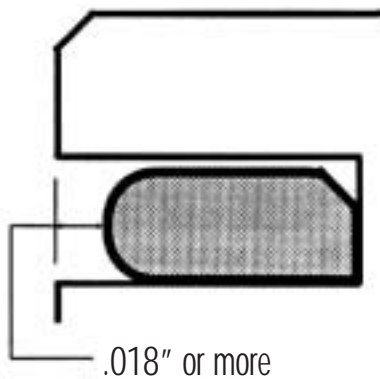
Spacers are used to facilitate the use of C&A Dykes Rings in stock 1/16" or 5/64" grooves. Make sure the spacer is in the upper part of the groove and the Dykes compression ring can rotate freely.



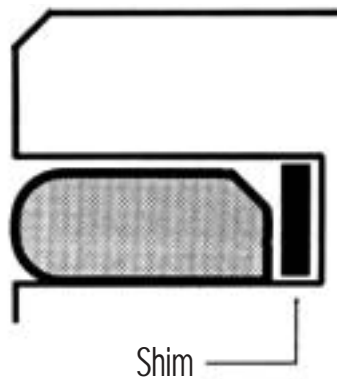
### BACK CLEARANCE

This is the measurement of space between the inside diameter of the piston ring and the base of the ring groove, when the ring face is flush with the ring land of the piston. Optimum back clearance should be as little as possible! The ring face should not protrude beyond the lands when the ring is bottomed in the groove. For example, if the ring face is .018" or more below the land, when the ring is bottomed in the groove, use a .018" thick ring groove shim stock to reduce back clearance to near zero. Ring groove shim stock for both 5/64" and 1/16" wide grooves is available on request.

#### SHIM REQUIRED

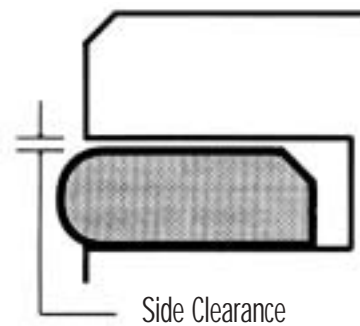


#### PROPER INSTALLATION



### SIDE (LATERAL) CLEARANCE

Side (or lateral) clearance is the measurement of space between the sides of the piston groove and the piston ring. Most manufacturers of pistons utilize SAE standards which call for a side clearance of .002" to .004". However, many racing engine builders prefer to reduce side clearance further (especially with gas ported pistons) by utilizing undersized grooves. When using these "tight" grooves, it is imperative that the clearance be no less than .0015".



SHIM STOCK	PART NUMBER
1/16 GROOVE	SS-116
5/64 GROOVE	SS-564



## Bore Diameter 3.500-4.020

BORE DIAMETER	OVERSIZE	CYL	GM WT PER CYL	COMPRESSION RING		2ND RING		OIL RING			RING SET*							
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION								
3.209	3.212	4		1.5	BS-1.5	1.5	ES-1.5	3mm	OL-3MM	LOW	RS-3212-3							
3.270	3.271	4		1.5	BS-1.5	1.5	ES-1.5	3mm	OL-3MM	LOW	RS-3271-1							
3.285	3.290	4		1.5	BS-1.5	1.5	ES-1.5	3mm	OL-3MM	LOW	RS-3290-5							
3.366	3.369	4		1.5	BS-1.5	1.5	ES-1.5	3mm	OL-3MM	LOW	RS-3369-3							
3.376	3.379	4		1.5	BS-1.5	1.5	ES-1.5	3mm	OL-3MM	LOW	RS-3379-3							
3.387	3.389	4		1.5	BS-1.5	1.5	ES-1.5	3mm	OL-3MM	LOW	RS-3389-3							
3.500	3.505	8		1/16	BS-116	1/16	ES-116	3/16	OS-316	STD	RS-3503-5							
3.530	3.535	8		1/16	BS-116	1/16	ES-116	3/16	OS-316	STD	RS-3503-35							
3.810	3.815	8	46	.043	BS-043	1/16	ES-116	3/16	OL-316	LOW	RS-3811-5							
			54	1/16	BS-116	OS-316			STD	RS-3813-5								
			50			OL-316			LOW	RS-3815-5								
			39			3mm			OL-3MM	LOW	RS-3817-5							
39	3mm	OL-3MM	LOW			RS-3818-5												
3.875	3.880	8	54	1/16	BS-116	1/16	ES-116	3/16	OS-316	STD	RS-3873-5							
			50	OL-316	LOW	RS-3876-5												
			50	OL-316	LOW	RS-3876-5												
3.905	3.910	8	49	.031	BS-031	1/16	ES-116	3/16	OS-316	STD	RS-3908-5							
			54	1/16	BS-116						RS-3913-5							
3.935	3.940	8	49	.031	BS-031	1/16	ES-116	3/16	OS-316	STD	RS-3938-5							
			50	.043	BS-043						RS-3941-5							
			54	1/16	BS-116						RS-3943-5							
			50								OL-316	LOW	RS-3946-5					
3.965	3.967	8	54	1/16	BS-116	1/16	ES-116	3/16	OS-316	STD	RS-3963-2							
4.000	4.005	4	50	1/16	BS-116	1/16	ES-116	3/16	OL-316	LOW	RS-1501-5							
			35	.043	BS-043						RS-1801-5							
			39	1/16	BS-116						RS-3300-5							
			35	.043	BS-043						RS-4000-5							
		31	.043			BS-043TF	RS-4002-5											
		46					3/16	OS-316	STD	RS-4101-5								
		42	OL-316			LOW		RS-4201-5										
		56	1/16	DS-116	1/16	ES-116	3/16	OS-316	STD	RS-4601-5								
		50	.043	DS-043						RS-4701-5								
		53	.017	DL-017						RS-4901-5								
		51	BS-017	RS-5000-5														
		56	1/16	RL-116	RS-5301-5													
		47	.017	BS-017	1/8	OS-18	OS-18	STD	RS-5500-5									
		36	.031	BS-031					RS-6000-5									
		41	1/16	BS-116					RS-9207-5									
		63	5/64	BS-564					5/64	ES-564	RS-9342-5							
		50	1/16	BS-116	1/16	ES-116	3/16	OS-316	LOW	RS-9401-5								
		54								OS-316	STD	RS-9771-5						
		46								.043	BS-043	OL-316	LOW	RS-9786-5				
		45								.031	BS-031	OL-316	LOW	RS-9941-5				
50	.043	BS-043	5/64	ES-564	3/16	OS-316	STD	RS-10393-5										
59	5/64	BS-564						5/64	ES-564	OL-316	LOW	RS-10477-5						
4.010	4.015	8	39	1/16	BS-116	1/16	ES-116	3mm	OL-3MM	LOW	RS-3300-15							
			31	.043	BS-043	.043	BS-043TF		OL-3MM	LOW	RS-4002-15							
			46					3/16	OS-316	STD	RS-4101-15							
			42	OL-316	LOW	RS-4201-15												
			41	1/8	OS-18	OS-18	STD				RS-9342-15							
			50					1/16	BS-116	1/16	ES-116	3/16	OL-316	LOW	RS-9401-15			
			54	.043	BS-043	1/16	ES-116								3/16	OS-316	STD	RS-9771-15
46	OS-316	STD	RS-9786-15															
46	OL-316	LOW	RS-9786-15															
4.020	4.025	8	39	1/16	BS-116	1/16	ES-116	3mm	OL-3MM	LOW	RS-3300-25							
			35	.043	BS-043						.043	BS-043TF	3/16	OS-316	STD	RS-4000-25		
			31			.043	BS-043	.043	BS-043TF	3/16						OS-316	STD	RS-4101-25
			46															1/16
			42			.017	DL-017	1/16	ES-116	3/16						OS-316	STD	
			47	.043	RL-043						1/16	ES-116	3/16	OS-316	STD			RS-4901-25
			53			.031	BS-031	1/8	OS-18	OS-18						STD	RS-5201-25	
			36	1/16	BS-116						5/64	ES-564	3/16	OS-316	LOW		RS-9207-25	
			41			5/64	BS-564	5/64	ES-564	3/16						OS-316	STD	RS-9342-25
			63	1/16	BS-116						1/16	ES-116	3/16	OS-316	LOW			RS-9401-25
			50			.043	BS-043	1/16	ES-116	3/16						OS-316	STD	RS-9771-25
			54	.043	BS-043						1/16	ES-116	3/16	OS-316	LOW			RS-9786-25
			46			.043	BS-043	1/16	ES-116	3/16						OS-316	LOW	RS-9786-25

# RING SETS, FILE FIT

## Bore Diameter 4.030-4.050

BORE DIAMETER	OVERSIZE	CYL	GM WT PER CYL	COMPRESSION RING		2ND RING		OIL RING			RING SET*					
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION						
4.030	4.035	8	39	1/16	BS-116	1/16	ES-116	3MM	OL-3MM	LOW	RS-3300-35					
			35	.043	BS-043	.043	BS-043TF				RS-4000-35					
			31					RS-4002-35								
			46						3/16	OS-316	STD	RS-4101-35				
			42					OL-316				LOW	RS-4201-35			
			56	1/16	DS-116	1/16	ES-116	3/16	OS-316	STD	RS-4601-35					
			50	.043	DS-043						RS-4701-35					
			53	.017	DL-017						RS-4901-35					
			51	.017	BS-017						RS-5000-35					
			50	.043	RL-043						RS-5201-35					
			56	1/16	RL-116						SSH-316	HIGH	RS-5301-35			
			50	.017	BS-017								RS-5401-35			
			47	.017	BS-017								OL-316	LOW	RS-5500-35	
			44	.043	RL-043								SSH-316	HIGH	RS-5801-35	
			36	.017	BS-017						3mm	OL-3MM	LOW	RS-6000-35		
			47	.017	DL-017	RS-6101-35										
			45	.043	DS-043	3/16	SSH-316	HIGH	RS-6201-35							
			46						.043	RL-043	.043	BS-043TF	OS-316	STD	RS-6501-35	
			42										SSH-316	HIGH	RS-6701-35	
			36	.031	BS-031	1/16	ES-116	1/8	OS-18	STD	RS-9207-35					
			41	1/16	BS-116	5/64	ES-564	3/16	OS-316	STD	RS-9342-35					
			63	5/64	BS-564	5/64	ES-564				OS-316	LOW	RS-9343-35			
			50	1/16	BS-116	1/16	ES-116	3/16	OS-316	STD	RS-9401-35					
			54								OS-316	LOW	RS-9401-35			
			46								.043	BS-043	OL-316	LOW	RS-9786-35	
			45								.031	BS-031	OS-316	STD	RS-9941-25	
			50	.043	BS-043	OS-316	STD	RS-10393-35								
			39	1.5MM	BS-1.5MM	1.5MM	ES-1.5MM	4mm	OS-4MM	STD	RS-10472-35					
			59	5/64	BS-564	5/64	ES-564	3/16	OL-316	LOW	RS-10477-35					
			4.040	4.045	8	39	1/16	BS-116	1/16	ES-116	3mm	OL-3MM	LOW	RS-3300-45		
						35	.043	BS-043	.043	BS-043TF				RS-4000-45		
						31					RS-4002-45					
46	3/16	OS-316				STD						RS-4101-45				
42											OL-316	LOW	RS-4201-45			
56	1/16	DS-116				1/16	ES-116	3/16	OS-316	STD	RS-4601-45					
50	.043	DS-043									RS-4701-45					
53	.017	DL-017									RS-4901-45					
51	.017	BS-017									RS-5000-45					
50	.043	RL-043									RS-5201-45					
56	1/16	RL-116									OL-316	LOW	RS-5301-45			
47	.017	BS-017											RS-5500-45			
36	.043	RL-043											3mm	OL-3MM	LOW	RS-6000-45
46	.043	RL-043											.043	BS-043TF	3/16	OS-316
36	.031	BS-031									1/16	ES-116	1/8	OS-18	STD	RS-9207-45
41	1/16	BS-116				5/64	ES-564	3/16	OS-316	STD	RS-9342-45					
63	5/64	BS-564				5/64	ES-564				OS-316	LOW	RS-9343-45			
50	1/16	BS-116				1/16	ES-116	3/16	OS-316	STD	RS-9401-45					
54											OS-316	LOW	RS-9401-45			
46											.043	BS-043	OL-316	LOW	RS-9786-45	
45			.031	BS-031	OS-316						STD	RS-9941-45				
50	.043	BS-043	OS-316	STD	RS-10393-45											
59	5/64	BS-564	5/64	ES-564	3/16	OL-316	LOW	RS-10477-45								
4.050	4.055	8	39	1/16	BS-116	1/16	ES-116	3mm	OL-3MM	LOW	RS-3300-55					
			35	.043	BS-043	.043	BS-043TF				RS-4000-55					
			31					RS-4002-55								
			54	1/16	BS-116	1/16	ES-116	3/16	OS-316	STD	RS-9771-55					



## Bore Diameter 4.060-4.100

BORE DIAMETER	OVERSIZE	CYL	GM WT PER CYL	COMPRESSION RING		2ND RING		OIL RING			RING SET*			
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION				
4.060	4.065	8	39	1/16	BS-116	1/16	ES-116	3mm	OL-3MM	LOW	RS-3300-65			
			35	.043	BS-043	.043	BS-043TF				RS-4000-65			
			31								RS-4002-65			
			46					3/16	OS-316	STD	RS-4101-65			
			42	OL-316	LOW	RS-4201-65								
			56	1/16	DS-116	1/16	ES-116	3/16	OS-316	STD	RS-4601-65			
			53	.017	DL-017						RS-4901-65			
			51	.017	BS-017						RS-5000-65			
			50	.043	RL-043						RS-5201-65			
			41	.017	BS-017						3mm	OL-316	LOW	RS-5500-65
			36											OL-3MM
			46	.043	RL-043	.043	BS-043TF	3/16	OS-316	STD	RS-6501-65			
			36	.031	BS-031	1/16	ES-116	1/8	OS-18	STD	RS-9207-65			
			41	1/16	BS-116	RS-9342-65								
			63	5/64	BS-564	5/64	ES-564	3/16	OS-316		RS-9343-65			
			50	1/16	BS-116	1/16	ES-116			OL-316	LOW	RS-9401-65		
			54	.043	BS-043			3/16	OS-316	STD	RS-9771-65			
			46			OL-316	LOW				RS-9786-65			
			45			.031	BS-031				RS-9941-65			
			50			.043	BS-043				OS-316	STD	RS-10393-65	
			39	1.5MM	BS-1.5MM	1.5MM	ES-1.5MM	4mm	OS-4MM	STD	RS-10472-65			
			59	5/64	BS-564	5/64	ES-564	3/16	OL-316	LOW	RS-10477-65			
			4.070	4.075	8	39	1/16	BS-116	1/16	ES-116	3mm	OL-3MM	LOW	RS-3300-75
						46	.043	BS-043	.043	BS-043TF	3/16	OS-316	STD	RS-4101-75
42	RS-4201-75													
50	1/16	BS-116				1/16								ES-116
45	.031	BS-031					RS-9600-35							
54	1/16	BS-116					OS-316	STD	RS-9771-75					
50	.043	BS-043	RS-10393-75											
4.080	4.085	8	39	1/16	BS-116	1/16	ES-116	3mm	OL-3MM	LOW	RS-3300-85			
			31	.043	BS-043	.043	BS-043TF	3/16	OS-316	STD	RS-4002-85			
			46								RS-4101-85			
			42								OL-316	LOW	RS-4201-85	
			41	1/16	BS-116	1/16	ES-116	3/16	OS-316	STD	RS-9342-85			
			50								OL-316	LOW	RS-9401-85	
			54								OS-316	STD	RS-9771-85	
50	.043	BS-043	RS-10393-85											
4.100	4.105	8	44	1/16	BS-116	1/16	ES-116	3mm	OL-3MM	LOW	RS-3300-105			
			39	.043	BS-043						RS-4000-105			
			55	1/16	BS-116			3/16	OS-316	STD	RS-9401-105			
			54								OS-316	STD	RS-9771-105	
			50								OL-316	LOW	RS-9786-105	
			49								.043	BS-043	OS-316	STD



## Bore Diameter 4.125-4.155

BORE DIAMETER	OVERSIZE	CYL	GM WT PER CYL	COMPRESSION RING		2ND RING		OIL RING			RING SET*			
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION				
4.125	4.130	8	4	.043	BS-043	.043	BS-043TF	3mm	OL-3MM	LOW	RS-1003-5			
			44	1/16	BS-116	1/16	ES-116				RS-3301-5			
			39	.043	BS-043	.043	BS-043TF	3/16	OS-316	STD	RS-4102-5			
			34									RS-4001-5		
			44									RS-4003-5		
			45									RS-4202-5		
			54	1/16	DS-116	1/16	ES-116	3/16	OS-316	STD	RS-4602-5			
			50	.043	DS-043						RS-4702-5			
			49	.017	DL-017	1/16	ES-116	3/16	OS-316	STD	RS-4902-5			
			50	.043	BS-017						RS-5001-5			
			49	.017	RL-017						RS-5102-5			
			50	.043	RL-043						RS-5202-5			
			56	1/16	RL-116	1/16	ES-116	3/16	OS-316	STD	RS-5302-5			
			50	.017	BS-017						RS-5501-5			
			62	5/64	BS-564	5/64	ES-564	3mm	OS-316	STD	RS-5879-5			
			39	.017	BS-017	1/16	ES-116	3mm	OL-3MM	LOW	RS-6001-5			
			49	.043	DS-043							3/16	SSH-316	HIGH
			45	.043	RL-043	.043	BS-043TF	3mm	OS-316	STD	RS-6502-5			
			44	3/16								OL-3MM	LOW	RS-6702-5
			55	1/16	BS-116	1/16	ES-116	3/16	OL-316	LOW	RS-9346-5			
			48	.031	BS-031						RS-9681-5			
			50	.043	BS-043	1/16	ES-116	1/8	OS-18	STD	RS-9787-5			
			47	1/16	BS-116						RS-10202-5			
			54	.043	BS-043						RS-10248-5			
			49	.043	BS-043						RS-10343-5			
			4.135	4.140	8	44	1/16	BS-116	1/16	ES-116	3mm	OL-3MM	LOW	RS-3301-15
						34	.043	BS-043	.043	BS-043TF				3/16
						44					OL-316	LOW	RS-4202-15	
45	OS-316	STD				RS-5202-15								
50	RL-043	1/16				ES-116					OL-316	LOW	RS-9346-15	
45	.043	BS-043TF				3/16	OS-316	STD	RS-6502-15					
55	1/16	BS-116				1/16	ES-116	1/8	OS-18	STD	RS-10202-15			
47	.043	BS-043				1/16	ES-116	3/16	OS-316	STD	RS-10248-15			
54	RS-10343-15													
49	.043	BS-043												
4.145	4.150	8	44	1/16	BS-116	1/16	ES-116	3mm	OL-3MM	LOW	RS-3301-25			
			55					3/16	OL-316		RS-9346-25			
			47					1/8	OS-18	STD	RS-10202-25			
			54					3/16	OS-316	STD	RS-10248-25			
4.155	4.160	8	44	1/16	BS-116	1/16	ES-116	3mm	OL-3MM	LOW	RS-3301-35			
			39	.043	BS-043	.043	BS-043TF				3/16	OS-316	STD	RS-4001-35
			34					RS-4003-35						
			55					OS-316	STD	RS-4102-35				
			54					OL-316	LOW	RS-4202-35				
			56	1/16	DS-116	1/16	ES-116	3/16	OS-316	STD	RS-4602-35			
			50	.043	DS-043						RS-4702-35			
			49	.017	DL-017	1/16	ES-116	3/16	OS-316	STD	RS-4902-35			
			50	.043	BS-017						RS-5001-35			
			49	.017	RL-043						RS-5202-35			
			50	.043	RL-043						RS-5302-35			
			56	1/16	RL-116	1/16	ES-116	3/16	OL-316	LOW	RS-5501-35			
			50	.017	BS-017						RS-5879-35			
			62	5/64	BS-564	5/64	ES-564	3mm	OS-316	STD	RS-5879-35			
			39	.017	BS-017	1/16	ES-116	3mm	OL-3MM	LOW	RS-6001-35			
			45	.043	RL-043	.043	BS-043TF	3/16	OS-316	STD	RS-6502-35			
			55	1/16	BS-116	1/16	ES-116	3/16	OL-316	LOW	RS-9346-35			
			48	.031	BS-031						RS-9681-35			
			50	.043	BS-043						RS-9787-35			
			47	1/16	BS-116						1/8	OS-18	STD	RS-10202-35
			54	.043	BS-043	1/16	ES-116	3/16	OS-316	STD	RS-10248-35			
			49	.043	BS-043						RS-10343-35			





## Bore Diameter 4.165-4.270

BORE DIAMETER	OVERSIZE	CYL	GM WT PER CYL	COMPRESSION RING		2ND RING		OIL RING			RING SET*				
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION					
4.165	4.170	8	44	.043	BS-043	.043	BS-043TF	3/16	3mm	OL-3MM	LOW	RS-4003-45			
			39		BS-043							RS-4102-45			
			34		BS-043							RS-4202-45			
			55	1/16	DS-116	1/16	ES-116		OS-316	STD	RS-4602-45				
			54		DS-116						RS-4902-45				
			50	.043	RL-043	RS-5202-45									
			56	1/16	RL-116	RS-5302-45									
			62	5/64	BS-564	5/64	ES-564				RS-5879-45				
			45	.043	RL-043	.043	BS-043TF				RS-6502-45				
			55	1/16	BS-116	1/16	ES-116				OL-316	LOW	RS-9346-45		
			48	.031	BS-031								RS-9681-45		
			47	1/16	BS-116						1/8	OS-18	STD	RS-10202-45	
			54	.043	BS-043	1/16	ES-116				OS-316	STD	RS-10248-45		
			49						3/16	OS-316			RS-10343-45		
			4.187	4.190	8	34	.043		BS-043	.043	BS-043TF	3/16	3mm	OL-3MM	LOW
45	OS-316	STD				RS-4102-65									
54	OL-316	LOW				RS-4202-65									
56	1/16	DS-116				1/16	ES-116	OS-316	STD	RS-4602-65					
50	.043	DS-043								RS-4702-65					
49	.017	DL-017								RS-4902-65					
50		BS-017								RS-5001-65					
49		RL-017								RS-5102-65					
50	BS-017	RS-5501-65													
49	RL-017	RS-5602-65													
62	5/64	BS-564								5/64	ES-564		OS-316	STD	RS-5879-65
48	.017	BS-017								1/16	ES-116		OL-316	LOW	RS-5901-65
49		DL-017													SSH-316
55	.043	DS-043				RS-6202-65									
55	1/16	BS-116				RS-9346-65									
48	.031	BS-031				RS-9681-65									
50	.043	BS-043				RS-9787-65									
47	1/16	BS-116				1/8	OS-18	STD	RS-10202-65						
54	.043	BS-043				1/16	ES-116	OS-316	STD						RS-10248-65
49															3/16
4.250	4.255	8	55	.043	BS-043	.043	BS-043TF	3/16	OS-316			STD			LOW
			54							BS-043TF	RS-4203-5				
			56	1/16	DS-116	1/16	ES-116		OS-316	STD	RS-4603-5				
			50	.043	DS-043						RS-4703-5				
			49	.017	DL-017						RS-4903-5				
			50		BS-017						RS-5002-5				
			50		RL-017						RS-5103-5				
			50	.043	RL-043						RS-5203-5				
			56	1/16	RL-116						RS-5303-5				
			55		RL-116						SSH-316	HIGH	RS-5403-5		
			50	.017	BS-017						OL-316	LOW	RS-5502-5		
			49	.043	RL-017						SSH-316	HIGH	RS-5603-5		
			49		RL-043	SH-316	RS-5703-5								
			48	.017	BS-017	SSH-316	RS-5803-5								
			49		DL-017		RS-5902-5								
			49	.043	DS-043	RS-6103-5									
			45		RL-043	RS-6203-5									
			44	.043	RL-043	.043	BS-043TF		OS-316	STD	RS-6503-5				
			55	1/16	BS-116	1/16	ES-116		SSH-316	HIGH	RS-6703-5				
			62	5/64	BS-564	5/64	ES-564		OL-316	LOW	RS-9344-5				
54	1/16	BS-116	1/16	ES-116	OS-316	STD	RS-9590-5								
50	.043	BS-043					RS-9745-5								
48	.031	BS-031			OL-316	LOW	RS-9788-5								
4.260	4.265	8	50	.043	DS-043	1/16	ES-116	3/16	OS-316	STD	RS-4703-15				
			54								DL-017	RS-4903-15			
			54	1/16	BS-116						RS-9745-15				
4.270	4.275	8	54	1/16	BS-116	1/16	ES-116	3/16	OS-316	STD	RS-9745-25				

## Bore Diameter 4.280-4.360

BORE DIAMETER	OVERSIZE	CYL	GM WT PER CYL	COMPRESSION RING		2ND RING		OIL RING			RING SET*			
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION				
4.280	4.285	8	55	.043	BS-043	.043	BS-043TF	3/16	OS-316	STD	RS-4103-35			
			54				OL-316		LOW	RS-4203-35				
			56	1/16	DS-116	1/16	ES-116		OS-316	STD	RS-4603-35			
			50		DL-017						RS-4903-35			
			49	.017	BS-017						RS-5002-35			
			50		RL-017						RS-5103-35			
				.043	RL-043						RS-5203-35			
			56	1/16	RL-116						RS-5303-35			
			50	.017	BS-017						OL-316	LOW	RS-5502-35	
			49		RL-017						SSH-316	HIGH	RS-5603-35	
				.043	RL-043						SH-316		RS-5703-35	
			48		BS-017						SSH-316		RS-5803-35	
				.017	DL-017				RS-5902-35					
			49						RS-6103-35					
			45	.043	RL-043				.043	BS-043TF	OS-316		STD	RS-6503-35
			44								SSH-316		HIGH	RS-6703-35
			55	1/16	BS-116				1/16	ES-116	OL-316		LOW	RS-9344-35
			62	5/64	BS-564				5/64	ES-564	OS-316		STD	RS-9590-35
			54	1/16	BS-116				1/16	ES-116	OS-316		STD	RS-9745-35
			50	.043	BS-043						OL-316	LOW	RS-9788-35	
48	.031	BS-031	RS-10177-35											
4.310	4.315	8	55	.043	BS-043	.043	BS-043TF	3/16	OS-316	STD	RS-4103-65			
			54				OL-316		LOW	RS-4203-65				
			56	1/16	DS-116	1/16	ES-116		OS-316	STD	RS-4603-65			
			50	.043	DS-043						RS-4703-65			
			50		DL-017						RS-4903-65			
				.017	BS-017						RS-5002-65			
			49		RL-017						RS-5103-65			
				.043	RL-043						RS-5203-65			
			56	1/16	RL-116						RS-5303-65			
			55								SSH-316	HIGH	RS-5403-65	
			50	.017	BS-017						OL-316	LOW	RS-5502-65	
			49		RL-017						HIGH	RS-5603-65		
				.043	RL-043				RS-5803-65					
			48	.017	BS-017				RS-5902-65					
			49		DL-017				RS-6103-65					
					DS-043				RS-6203-65					
			45	.043	RL-043				.043	BS-043TF		OS-316	STD	RS-6503-65
			44									SSH-316	HIGH	RS-6703-65
			55	1/16	BS-116				1/16	ES-116		OL-316	LOW	RS-9344-65
			62	5/64	BS-564				5/64	ES-564		OS-316	STD	RS-9590-65
54	1/16	BS-116	1/16	ES-116	OS-316			STD	RS-9745-65					
50	.043	BS-043			OL-316			LOW	RS-9788-65					
48	.031	BS-031			RS-10177-65									
4.320	4.325	8	62	5/64	BS-564	5/64	ES-564	3/16	OS-316	STD	RS-9224-5			
			55				OL-316		LOW	RS-9278-5				
			54	1/16	BS-116	1/16	ES-116		OS-316	STD	RS-9798-5			
			47	.031	BS-031	RS-10178-5								
4.350	4.355	8	45	.043	BS-043	1/16	ES-116	3/16	OS-316	STD	RS-4113-35			
			56		DS-116						RS-4613-35			
					RL-116						RS-5313-35			
			62	5/64	BS-564						5/64	ES-564	RS-9224-35	
			55								OL-316	LOW	RS-9278-35	
			54	1/16	BS-116						1/16	ES-116	OS-316	STD
47	.031	BS-031	RS-10178-35											
4.360	4.365	8	54	1/16	BS-116	1/16	ES-116	3/16	OS-316	STD	RS-9798-45			
			55				OL-316		LOW	RS-9278-45				



## Bore Diameter 4.375-4.467

BORE DIAMETER	OVERSIZE	CYL	GM WT PER CYL	COMPRESSION RING		2ND RING		OIL RING			RING SET*		
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION			
4.375	4.380	8	55	.043	BS-043	.043	BS-043TF	3/16	OS-316	STD	RS-4104-5		
			54				OL-316		LOW	RS-4204-5			
			56	1/16	DS-116	1/16	ES-116		OS-316	STD	RS-4604-5		
			50	.043	DS-043						RS-4704-5		
			49	.017	DL-017						RS-4904-5		
			50	.043	BS-017						RS-5003-5		
					RL-017						RS-5104-5		
			56								RS-5204-5		
			56	1/16	RL-116						RS-5304-5		
			55								SSH-316	HIGH	RS-5404-5
			50	.017	BS-017						OL-316	LOW	RS-5503-5
					RL-017						SSH-316	HIGH	RS-5604-5
			49	.043	RL-043				RS-5704-5				
			48	.017	BS-017				RS-5804-5				
			49	.017	DL-017				RS-5903-5				
					DS-043				RS-6104-5				
			45	.043	RL-043				.043	BS-043TF	OS-316	STD	RS-6204-5
			44								SSH-316	HIGH	RS-6504-5
			55	1/16	BS-116				1/16	ES-116	OL-316	LOW	RS-6704-5
			50	.043	BS-043								RS-9406-5
54	1/16	BS-116	OS-316	STD	RS-9799-5								
48	.031	BS-031	OL-316	LOW	RS-10306-5								
		49	.043	BS-043	OS-316	STD	RS-10331-5						
4.390	4.395	8	59	1/16	BS-116	1/16	ES-116	3/16			OS-316	STD	RS-9374-35
			60					OL-316			LOW	RS-9375-35	
4.437	4.443	8	47	.043	BS-043	.043	BS-043TF	3/16			OS-316	STD	RS-4104-65
			48				OL-316				LOW	RS-4204-65	
			60	1/16	DS-116	1/16	ES-116				OS-316	STD	RS-4604-65
			55	.043	DS-043				RS-4704-65				
			53	.017	DL-017				RS-4904-65				
					54				.043	RL-043			RS-5003-65
			54	.043	BS-017				RS-5104-65				
					RL-017				RS-5204-65				
			60	1/16	RL-116				RS-5304-65				
			54	.017	BS-017				SSH-316	HIGH			RS-5404-65
					RL-017				OL-316	LOW			RS-5503-65
			53	.043	RL-043				SSH-316	HIGH			RS-5604-65
					53						.017	BS-017	RS-5804-65
			55	.017	DL-017						RS-5903-65		
					DS-043						RS-6104-65		
			48	.043	RL-043				.043	BS-043TF	OS-316	STD	RS-6504-65
			60	1/16	BS-116				SSH-316	HIGH	RS-6704-65		
			54	.043	BS-043				1/16	ES-116	OL-316	LOW	RS-9332-5
			59	1/16	BS-116						OS-316	STD	RS-9789-65
			53	.043	BS-043						RS-10133-5		
55	.017	DL-017			RS-10331-65								
4.467	4.471	8	55	.017	DL-017			1/16	ES-116	3/16	OS-316	STD	RS-4905-5
			54	.043	RL-043	SH-316	HIGH				RS-5205-5		
			55	.017	DL-017	SSH-316					RS-5705-5		
			60	1/16	BS-116	OL-316	LOW				RS-5805-5		
			59			OS-316	STD				RS-6105-5		
								OL-316	LOW	RS-9332-35			
								OS-316	STD	RS-10133-35			

## Bore Diameter 4.500-4.560

BORE DIAMETER	OVERSIZE	CYL	GM WT PER CYL	COMPRESSION RING		2ND RING		OIL RING			RING SET*													
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION														
4.500	4.505	8	51	.031	BS-031	1/16	ES-116	3/16	OL-316	LOW	RS-3404-5													
			48	.043	BS-043	.043	BS-043TF				RS-4206-5													
			47		BS-043						RS-4106-5													
			60	1/16	DS-116	1/16	ES-116				3/16	OS-316	STD	RS-4606-5										
			55	.043	DS-043									RS-4706-5										
			53	.017	DL-017									RS-4906-5										
					BS-017									RS-5004-5										
					RL-017									RS-5106-5										
			54	.043	RL-043									RS-5206-5										
			60	1/16	RL-116									RS-5306-5										
			60	1/16	RL-116									3/16	ES-116	3/16	SSH-316	HIGH	RS-5406-5					
			53	.017	BS-017														OL-316	LOW	RS-5504-5			
			60	.017	RL-017				SSH-316	HIGH									RS-5606-5					
			54	.043	RL-043														RS-5806-5					
			53	.017	BS-017														RS-5904-5					
			37	.043	BS-043	.043	BS-043TF		3mm	OL-3MM	LOW	RS-6003-5												
			55	.017	DL-017	1/16	ES-116		3/16	SSH-316	HIGH	RS-6106-5												
					DS-043							RS-6206-5												
			48	.043	RL-043	.043	BS-043TF		3/16	OS-316	STD	RS-6506-5												
			44	.031	BS-031	1/16	ES-116			3/16	OL-316	LOW	RS-10316-5											
					55								.043						BS-043	RS-10317-5				
					60								1/16						BS-116	OS-316	STD	RS-10451-5		
			59	1/16	BS-116	1/16	ES-116			3/16	OS-316	STD	RS-10452-5											
			53										.043	BS-043										
4.530	4.535	8	47	.043	BS-043	.043	BS-043TF	3/16		OS-316	STD	RS-4106-35												
			48	.043	BS-043	.043	BS-043TF					OL-316	LOW	RS-4206-35										
			60									1/16	DS-116	1/16	ES-116	3/16	OS-316	STD	RS-4606-35					
			55	DL-017	RS-4906-35																			
			53	.017	BS-017	RS-5004-35																		
					54	.043	RL-043					RS-5206-35												
			60	1/16	RL-116	RS-5306-35																		
			60	1/16	RL-116	3/16	ES-116		3/16			SSH-316	HIGH						RS-5406-35					
			54	.017	BS-017														OL-316	LOW	RS-5504-35			
					RL-043														SSH-316	HIGH	RS-5806-35			
					37														.043	BS-043	.043	BS-043TF	3mm	OL-3MM
			55	.017	DL-017														1/16	ES-116	3/16	SSH-316	HIGH	RS-6106-35
			48	.043	RL-043					.043	BS-043TF								OS-316	STD		RS-6506-35		
					55					BS-043	1/16								ES-116	3/16		OL-316	LOW	RS-10316-35
			60	1/16	BS-116					RS-10317-35														
			59	1/16	BS-116					1/16				ES-116	3/16	OS-316	STD	RS-10451-35						
			53								.043							BS-043	RS-10452-35					
			4.560	4.565	8					47	.043			BS-043	.043	BS-043TF	3/16	OS-316	STD	RS-4107-5				
48	.043	BS-043						.043		BS-043TF	OL-316			LOW	RS-4207-5									
60						1/16	DS-116		1/16		ES-116	3/16	OS-316	STD	RS-4607-5									
55	DL-017	RS-4907-5																						
53	.017	BS-017				RS-5005-5																		
		54				.043	RL-043	RS-5207-5																
60	1/16	RL-116				RS-5307-5																		
54	.017	BS-017				1/16	ES-116	3/16		SSH-316					HIGH	RS-5407-5								
		RL-043														OL-316				LOW	RS-5505-5			
		37														.043				BS-043	.043	BS-043TF	3mm	OL-3MM
55	.017	DL-017				1/16	ES-116	3/16		SSH-316					HIGH	RS-6107-5								
48	.043	RL-043				.043	BS-043TF			OS-316					STD	RS-6507-5								
		55				BS-043	1/16			ES-116					3/16	OL-316		LOW	RS-10318-5					
60	1/16	BS-116				RS-10319-5																		
59	1/16	BS-116				1/16			ES-116		3/16	OS-316	STD	RS-10441-5										
53							.043			BS-043				RS-10450-5										



## Bore Diameter 4.600-4.750

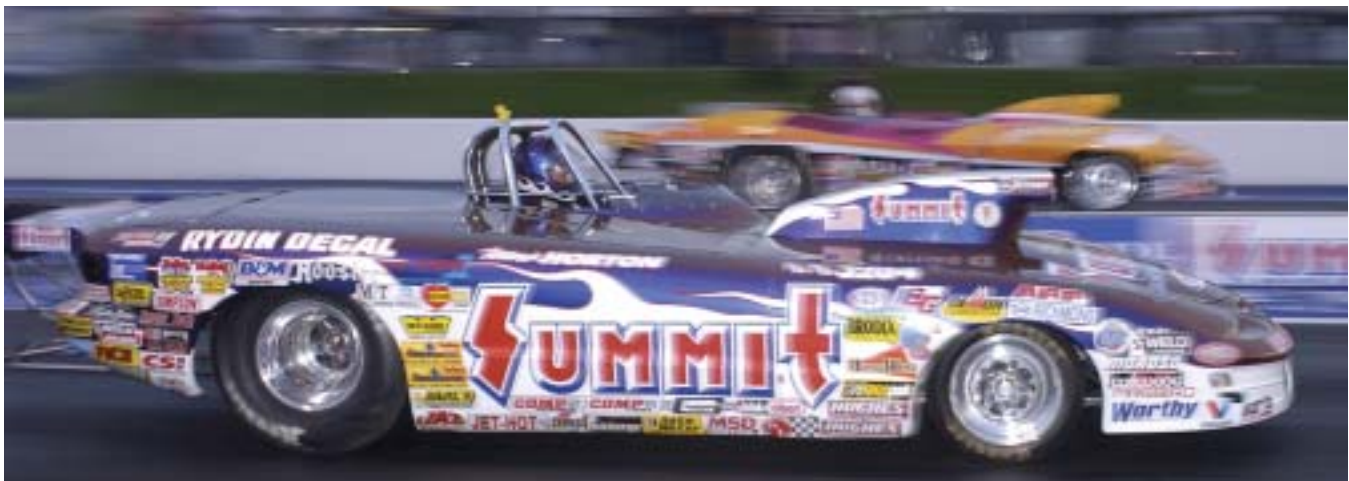
BORE DIAMETER	OVERSIZE	CYL	GM WT PER CYL	COMPRESSION RING		2ND RING		OIL RING			RING SET*							
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION								
4.600	4.605	8	47	.043	BS-043	.043	BS-043TF	3/16	OS-316	STD	RS-4107-45							
			48						OL-316	LOW	RS-4207-45							
			60	1/16	DS-116	1/16	ES-116		3/16	OS-316	STD	RS-4607-45						
			55	.017	DL-017							RS-4907-45						
			53		BS-017							RS-5005-45						
			54	.043	RL-043							RS-5207-45						
			60	1/16	RL-116							RS-5307-45						
			54	.017	BS-017					SSH-316	HIGH	RS-5407-45						
			53							OL-316	LOW	RS-5505-45						
			54	.043	RL-043					SSH-316	HIGH	RS-5605-45						
			37		BS-043			OL-3MM		LOW	RS-5807-45							
			55	.017	DL-017			.043		BS-043TF	3mm	OL-3MM	LOW	RS-6004-45				
			48	.043	RL-043	1/16	ES-116	3/16	SSH-316	HIGH	RS-6107-45							
			55		BS-043	.043	BS-043TF		OS-316	STD	RS-6507-45							
			60	1/16	BS-116	1/16	ES-116		3/16	OL-316	LOW	RS-10318-45						
			59		ES-116							RS-10319-45						
			53	.043	BS-043					OS-316	STD	RS-10441-45						
															RS-10450-45			
			4.625	4.630	8					47	.043	BS-043	.043	BS-043TF	3/16	OS-316	STD	RS-4108-5
										48						OL-316	LOW	RS-4208-5
60	1/16	DS-116								1/16	ES-116	3/16	OS-316	STD		RS-4608-5		
55	.043	DS-043														RS-4708-5		
53		.017						DL-017								RS-4908-5		
54	.043	RL-043						RS-5006-5										
60	1/16	RL-116				RS-5208-5												
54	.017	BS-017				SSH-316	HIGH	RS-5408-5										
53						OL-316	LOW	RS-5506-5										
54	.043	RL-043				SH-316	HIGH	RS-5708-5										
53		BS-017				SSH-316		RS-5808-5										
37	.043	BS-043				.043	BS-043TF	3mm	OL-3MM				LOW	RS-5906-5				
55	.017	DL-017				1/16	ES-116	3/16	SSH-316	HIGH	RS-6108-5							
48		DS-043				.043	BS-043TF		OS-316	STD	RS-6508-5							
56	.043	DS-043				1/16	ES-116		3/16	SSH-316	HIGH	RS-6708-5						
55										OL-316	LOW	RS-10338-5						
60	1/16	BS-116								OS-316	STD	RS-10339-5						
59										OL-316	LOW	RS-10432-5						
										OS-316	STD	RS-10433-5						
4.675	4.680	8								47	.043	BS-043	.043	BS-043TF	3/16	OS-316	STD	RS-4109-5
			60	1/16	RL-116					1/16	ES-116	3/16	OS-316	STD	RS-5309-5			
			37	.043	BS-043					.043	BS-043TF	3mm	OL-3MM	LOW	RS-6006-45			
			53	1/16	BS-116			1/16		ES-116	3/16	OS-316	STD	RS-10359-5				
			59					3/16		OS-316	STD	RS-10525-5						
4.700	4.705	8	47	.043	BS-043	.043	BS-043TF	3/16	OS-316	STD	RS-4110-5							
			54	.043	RL-043	1/16	ES-116				RS-5210-5							
			60	1/16	RL-116	1/16	ES-116				RS-5310-5							
			37	.043	BS-043	.043	BS-043TF	3mm	OL-3MM	LOW	RS-6007-5							
			48		RL-043	1/16	ES-116	3/16	OS-316	STD	RS-6510-5							
			53		BS-043						RS-10369-5							
59	1/16	BS-116	1/16	ES-116	3/16	OS-316	STD	RS-10545-5										
4.730	4.735	8	47	.043	BS-043	.043	BS-043TF	3/16	OS-316	STD	RS-4110-35							
			37					3mm	OL-3MM	LOW	RS-6007-35							
			53	1/16	BS-116	1/16	ES-116	3/16	OS-316	STD	RS-10369-35							
			59			3/16	OS-316	STD	RS-10545-35									
4.750	4.755	8	47	.043	BS-043	.043	BS-043TF	3/16	OS-316	STD	RS-4111-5							
			54	.043	RL-043	1/16	ES-116				RS-5211-5							
			60	1/16	RL-116	1/16	ES-116				RS-5311-5							
			37	.043	BS-043	.043	BS-043TF	3mm	OL-3MM	LOW	RS-6008-5							
			48		RL-043	1/16	ES-116	3/16	OS-316	STD	RS-6511-5							
			53		BS-043						RS-10379-5							
59	1/16	BS-116	1/16	ES-116	3/16	OS-316	STD	RS-10565-5										

# RING SETS, FILE FIT

## Bore Diameter 4.780-4.800

BORE DIAMETER	OVERSIZE	CYL	GM WT PER CYL	COMPRESSION RING		2ND RING		OIL RING			RING SET*
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION	
4.780	4.785	8	59	1/16	BS-116	1/16	ES-116	3/16	OS-316	STD	RS-10565-35
4.800	4.805	8	47	.043	BS-043	.043	BS-043TF	3/16	OS-316	STD	RS-4112-5
			54		RL-043	ES-116	RS-5212-5				
			60	1/16	RL-116	1/16	ES-116	3/16	OS-316	STD	RS-5312-5
			37	.043	BS-043	.043	BS-043TF	3mm	OL-3MM	LOW	RS-6009-5
			48		RL-043	ES-116	3/16	OS-316	STD	RS-6512-5	
			53		BS-043	ES-116	3/16	OS-316	STD	RS-10389-5	
			59	1/16	BS-116	1/16	ES-116	3/16	OS-316	STD	RS-10585-5

\*If ring set part number is not present, order rings by open stock number only





## Bore Diameter 4.500-4.800

BORE DIAMETER	OVERSIZE	CYL	GM WT PER CYL	COMPRESSION RING		2ND RING		OIL RING			RING SET*	
				GROOVE	PART #	GROOVE	PART#	GROOVE	PART #	TENSION		
4.500	4.505	8	44	.043	BS-043-17	.043	BS-043TF	3/16	OS-316	STD	RS-4106-5-17	
			45						OL-316	LOW	RS-4206-5-17	
			52		RL-043-17	1/16	ES-116		OS-316	STD	RS-5206-5-17	
			34		BS-043-17	.043	BS-043TF		SSH-316	HIGH	RS-5806-5-17	
			46		RL-043-17				3mm	OL-3MM	LOW	RS-6003-5-17
4.530	4.535	8	44	.043	BS-043-17	.043	BS-043TF	3/16	OS-316	STD	RS-4106-35-17	
			45						OL-316	LOW	RS-4206-35-17	
			52		RL-043-17	1/16	ES-116		OS-316	STD	RS-5206-35-17	
			34		BS-043-17	.043	BS-043TF		SSH-316	HIGH	RS-5806-35-17	
			46		RL-043-17				3mm	OL-3MM	LOW	RS-6003-35-17
4.560	4.565	8	44	.043	BS-043-17	.043	BS-043TF	3/16	OS-316	STD	RS-4107-5-17	
			45						OL-316	LOW	RS-4207-5-17	
			52		RL-043-17	1/16	ES-116		OS-316	STD	RS-5207-5-17	
			34		BS-043-17				SSH-316	HIGH	RS-5807-5-17	
			46		RL-043-17	.043	BS-043TF		3mm	OL-3MM	LOW	RS-6004-5-17
4.600	4.605	8	44	.043	BS-043-17	.043	BS-043TF	3/16	OS-316	STD	RS-4107-45-17	
			45						OL-316	LOW	RS-4207-45-17	
			52		RL-043-17	1/16	ES-116		OS-316	STD	RS-5207-45-17	
			50		BS-043-17				SSH-316	HIGH	RS-5807-45-17	
			34		.043	BS-043TF	3mm		OL-3MM	LOW	RS-6004-45-17	
			46				RL-043-17		.043	BS-043TF	3/16	OS-316
			44		BS-043-17	OS-316	STD		RS-10450-45-17			
SSH-316	HIGH	RS-6707-45-17										
4.625	4.630	8	44	.043	BS-043-17	.043	BS-043TF	3/16	OS-316	STD	RS-4108-5-17	
			45						OL-316	LOW	RS-4208-5-17	
			52		RL-043-17	1/16	ES-116		OS-316	STD	RS-5208-5-17	
			34		BS-043-17	.043	BS-043TF		SH-316	HIGH	RS-5708-5-17	
			46		RL-043-17				SSH-316		RS-5808-5-17	
3mm	OL-3MM	LOW	RS-6005-5-17									
4.675	4.680	8	44	.043	BS-043-17	.043	BS-043TF	3/16	OS-316	STD	RS-4109-5-17	
			52		RL-043-17	1/16	ES-116		OS-316	STD	RS-5209-5-17	
			34		BS-043-17	.043	BS-043TF		3mm	OL-3MM	LOW	RS-6006-45-17
4.700	4.705	8	44	.043	BS-043-17	.043	BS-043TF	3/16	OS-316	STD	RS-4110-5-17	
			52		RL-043-17	1/16	ES-116				RS-5210-5-17	
			34		BS-043-17	.043	BS-043TF	3mm	OL-3MM	LOW	RS-6007-5-17	
			52		RL-043-17			3/16	OS-316	STD	RS-6510-5-17	
4.730	4.735	8	44	.043	BS-043-17	.043	BS-043TF	3/16	OS-316	STD	RS-4110-35-17	
			34					3mm	OL-3MM	LOW	RS-6007-35-17	
4.750	4.755	8	44	.043	BS-043-17	.043	BS-043TF	3/16	OS-316	STD	RS-4111-5-17	
			52		RL-043-17	1/16	ES-116				RS-5211-5-17	
			34		BS-043-17	.043	BS-043TF	3mm	OL-3MM	LOW	RS-6008-5-17	
			46		RL-043-17			3/16	OS-316	STD	RS-6511-5-17	
4.800	4.805	8	44	.043	BS-043-17	.043	BS-043TF	3/16	OS-316	STD	RS-4112-5-17	
			52		RL-043-17	1/16	ES-116				RS-5212-5-17	
			34		BS-043-17	.043	BS-043TF	3mm	OL-3MM	LOW	RS-6009-5-17	
			46		RL-043-17			3/16	OS-316	STD	RS-6512-5-17	

# RING SETS, DURA-MOLY STANDARD GAP

## Bore Diameter 4.000-4.420

BORE	CYL	COMP. RING GROOVE	2ND RING GROOVE	OIL RING GROOVE	TENSION	RING SET*
4.000	8	1/16	1/16	3MM	LOW	RS-9901-STD
		5/64	1/16	3/16	STD	RS-9902-STD
4.020	8	1/16	1/16	3/16	STD	RS-2510-STD
		5/64	5/64			RS-9902-20
4.030	8	1/16	1/16	3MM	LOW	RS-9901-30
		5/64	5/64	3/16	STD	RS-9902-30
4.040	8	1/16	1/16	3MM	LOW	RS-9901-40
		5/64	5/64	3/16	STD	RS-9902-40
4.060	8	1/16	1/16	3MM	LOW	RS-9901-60
		5/64	5/64	3/16	STD	RS-9902-60
4.087	8	5/64	5/64	3/16	STD	RS-2510-60
4.125	8	5/64	5/64	3/16	STD	RS-2970-30
		1/16	1/16			RS-2430-STD
4.155	8	5/64	5/64	3/16	STD	RS-10375-STD
		1/16	1/16			RS-2430-30
4.165	8	5/64	5/64	3/16	STD	RS-10375-30
		1/16	1/16			RS-2430-40
4.185	8	5/64	5/64	3/16	STD	RS-10375-40
		1/16	1/16			RS-2430-60
4.250	8	5/64	5/64	3/16	STD	RS-2430-60
		1/16	1/16			RS-10375-60
4.280	8	5/64	5/64	3/16	STD	RS-2330-STD
		1/16	1/16			RS-9904-STD
4.290	8	5/64	5/64	3/16	STD	RS-2330-30
		1/16	1/16			RS-9904-30
4.310	8	5/64	5/64	3/16	STD	RS-2330-40
		1/16	1/16			RS-2330-60
4.320	8	5/64	5/64	3/16	STD	RS-2330-60
		1/16	1/16			RS-9904-60
4.320	8	5/64	5/64	3/16	STD	RS-2640-STD
4.340	8	5/64	5/64	3/16	STD	RS-2640-20
4.360	8	5/64	5/64	3/16	STD	RS-2640-20
4.390	8	5/64	5/64	3/16	STD	RS-2960-STD
4.390	8	5/64	5/64	3/16	STD	RS-2960-30
4.400	8	5/64	5/64	3/16	STD	RS-2960-40
4.420	8	5/64	5/64	3/16	STD	RS-2960-60







## Bore Diameter 4.000-4.350

BORE	CYL	COMP. RING GROOVE	2ND RING GROOVE	OIL RING GROOVE	TENSION	RING SET*
4.000	8	1/16	1/16	3/16	STD	RS-4010-STD
		5/64	5/64	1/8		RS-4011-STD
4.020	8	1/16	1/16	3/16	STD	RS-4010-20
		5/64	5/64	1/8		RS-4011-20
		5/64	5/64	3/16		RS-4012-20
4.030	8	1/16	1/16	3/16	STD	RS-4010-30
		5/64	5/64	1/8		RS-4011-30
		5/64	5/64	3/16		RS-4012-30
4.040	8	1/16	1/16	3/16	STD	RS-4010-40
		5/64	5/64	1/8		RS-4011-40
		5/64	5/64	3/16		RS-4012-40
4.060	8	1/16	1/16	3/16	STD	RS-4010-60
		5/64	5/64	1/8		RS-4011-60
		5/64	5/64	3/16		RS-4012-60
4.125	8	5/64	5/64	3/16	STD	RS-4008-STD
4.145	8	5/64	5/64	3/16	STD	RS-4008-20
4.155	8	1/16	1/16	3/16	STD	RS-4006-30
		5/64	5/64	1/8		RS-4007-30
		5/64	5/64	3/16		RS-4008-30
4.165	8	5/64	5/64	3/16	STD	RS-4008-40
4.185	8	5/64	5/64	3/16	STD	RS-4008-60
4.250	8	5/64	5/64	3/16	STD	RS-4025-STD
4.280	8	5/64	5/64	3/16	STD	RS-4025-30
4.290	8	5/64	5/64	3/16	STD	RS-4025-40
4.310	8	5/64	5/64	3/16	STD	RS-4025-60
4.350	8	5/64	5/64	3/16	STD	RS-1324-30

\* Standard Gap Rings are sold in sets only. Open stock is not available. All 5/64 sets contain Cast DURA-MOLY™ top rings.  
All 1/16 sets contain Ductile DURA-MOLY™ top rings.

## RINGS, OIL RING SUPPORT RAILS

PART #	CYL BORE RANGE
ORS-18	3.623-3.680
ORS-20	3.740-3.809
ORS-22	3.810-3.874
ORS-24	3.875-3.904
ORS-26	3.905-3.934
ORS-28	3.935-3.959
ORS-30	3.960-3.998
ORS-32	3.999-4.029
ORS-34	4.030-4.059
ORS-36	4.060-4.079
ORS-38	4.080-4.119
ORS-40	4.120-4.154
ORS-42	4.155-4.184
ORS-44	4.185-4.247
ORS-46	4.248-4.279
ORS-48	4.280-4.309
ORS-50	4.310-4.349
ORS-52	4.350-4.374
ORS-54	4.375-4.437
ORS-56	4.438-4.449
ORS-58	4.500-4.559
ORS-60	4.560-4.599
ORS-62	4.600-4.635
ORS-64	4.636-4.700

# RING APPLICATION CHART

## American Motors

ENGINE, CID	YEAR	APPLICATION	CYL	BORE	DURA-CAST STANDARD RING SET	DURA-MOLY™ STANDARD RING SET	DURA-MOLY™ FILE FIT RING SET	DURA-MOLY™ ZGS RING SET	
327	1958-66	5730, Ambassador 5880, 5980 6080, 6180, 6280, 6580, 6680	8	4.000	RS-4012-STD	RS-2510-STD	RS-9343-5	RS-40ZX4.005	
352	1958-66			4.165	RS-4008-40	RS-2430-40	RS-5879-45	RS-40ZX4.170	
390	1968-70								
401	1971-77								

## Chrysler (includes De Soto, Dodge, and Plymouth)

ENGINE, CID	YEAR	APPLICATION	CYL	BORE	DURA-CAST STANDARD RING SET	DURA-MOLY™ STANDARD RING SET	DURA-MOLY™ FILE FIT RING SET	DURA-MOLY™ ZGS RING SET	
340	1968-73		8	4.040	RS-4012-40	RS-2510-40	RS-9343-45	RS-40ZX4.045	
350	1958			4.060	RS-4012-60	RS-2510-60	RS-9343-65	RS-40ZX4.065	
360	1971-80	With Perf. Pistons	8	4.000	RS-4012-STD	RS-2510-STD	RS-9343-5	RS-40ZX4.005	
361	1958-66			N/A	RS-9902-STD	RS-9771-5	RS-43ZX4.005		
383	1959-71	With Perf. Pistons	8	4.125	RS-4008-STD	N/A	RS-5879-5	RS-40ZX4.130	
383	1959-61			N/A	RS-9904-STD	RS-9745-5	RS-43ZX4.255		
392	1957-58		8	4.250	RS-4025-STD	N/A	RS-9590-5	RS-40ZX4.255	
400	1972-78			4.030	N/A	RS-2510-30	RS-9343-35	RS-40ZX4.035	
413	1959-65		8	4.000	RS-4012-STD	RS-2510-STD	RS-9343-5	RS-40ZX4.005	
426	1966-71			4.342	N/A	RS-2640-20	N/A	N/A	
440	1966-78	4.187	N/A	N/A	RS-5879-65	RS-40ZX4.190			
		With Perf. Pistons	8	4.250	RS-4025-STD	N/A	RS-9904-STD	RS-9745-5	RS-43ZX4.255
		Steet Hemi					RS-9590-5	RS-40ZX4.255	
		All Except Hemi							
				4.320	N/A	RS-2640-STD	RS-9224-5	N/A	

## Ford

ENGINE, CID	YEAR	APPLICATION	CYL	BORE	DURA-CAST STANDARD RING SET	DURA-MOLY™ STANDARD RING SET	DURA-MOLY™ FILE FIT RING SET	DURA-MOLY™ ZGS RING SET
280	1963-68		8	4.000	RS-4012-STD	RS-2510-STD	RS-9343-5	RS-40ZX4.005
289					N/A	RS-9902-STD	RS-9771-5	RS-43ZX4.005
302	1983-85	5.0L H/O (to 1/85)	8	4.000	RS-4012-STD	RS-2510-STD	RS-9343-5	RS-40ZX4.005
302	1968-85	885			N/A	RS-9902-STD	RS-9771-5	RS-43ZX4.005
351	1969-91	5.8L C,M,W (Exc. Boss)			RS-4012-STD	RS-2510-STD	RS-9343-5	RS-40ZX4.005
400	1971-80	6.6L			N/A	RS-9902-STD	RS-9771-5	RS-43ZX4.005
429	1968	6.6L with Perf. Pistons						
460	1968-78	7.5L		4.360	N/A	RS-2960-STD	N/A	N/A

## General Motors

ENGINE, CID	YEAR	APPLICATION	CYL	BORE	DURA-CAST STANDARD RING SET	DURA-MOLY™ STANDARD RING SET	DURA-MOLY™ FILE FIT RING SET	DURA-MOLY™ ZGS RING SET	
301	1980-81	4.9L Pontiac Naturally Aspirated	8	4.000	RS-4012-STD	RS-2510-STD	RS-9343-5	RS-40ZX4.005	
301		4.9L Pontiac Turbocharged							
301	1977-79	4.9L Pontiac Naturally Aspirated							
302	1967-69	Chevrolet Engine					N/A	RS-9902-STD	RS-9771-5
322	1953-56	Chevy Engine with Performance Pistons			RS-4012-STD	RS-2510-STD	RS-9343-5	RS-40ZX4.005	
327	1962-69	Buick Engine			N/A	RS-9902-STD	RS9771-5	RS-43ZX4.005	
327	1952-69	Chevrolet Engine							
348	1958-61	Chevy Engine with Performance Pistons							
348	1958-61	Chevrolet Engine		4.125	RS-4008-STD	N/A	RS-5879-5	RS-40ZX4.130	
350	1968	5.7L Pontiac 8 Engine							
350	1967-85	5.7L Chevrolet L, 4, 6, 8 Engine		4.000	RS-4012-STD	RS-2510-STD	RS-9343-5	RS-40ZX4.005	
350		5.7L with Performance Pistons			N/A	RS-9902-STD	RS-9771-5	RS-43ZX4.005	
350	1978-85	5.7L Oldsmobile N Diesel Engine							
350	1986-80	5.7L Oldsmobile R Gas Engine		4.057	RS-4012-60	RS-2510-60	RS-9343-65	RS-40ZX4.065	



## General Motors (continued)

ENGINE, CID	YEAR	APPLICATION	CYL	BORE	DURA-CAST STANDARD RING SET	DURA-MOLY™ STANDARD RING SET	DURA-MOLY™ FILE FIT RING SET	DURA-MOLY™ ZGS RING SET
364	1957-61	Buick Engine	8	4.125	RS-4008-STD	N/A	RS-5879-5	RS-40ZX4.130
365	1956-58	Cadillac Engine		4.000	RS-4012-STD	RS-2510-STD	RS-9343-5	RS-40ZX4.005
370	1958	Pontiac Engine		4.125	RS-4012-60	RS-2510-60	RS-9343-65	RS-40ZX4.065
389	1959-66	Pontiac Engine		4.125				
390	1959-63	Cadillac Engine		4.000	RS-4012-STD	RS-2510-STD	RS-9343-5	RS-40ZX4.005
396	1959-72	With Performance Pistons		4.125	RS-4008-STD	N/A	N/A	RS-43ZX4.130
	1969-72	Chevrolet Engine (2nd Design)		4.125	N/A			
400	1965-67	Oldsmobile Engine		4.000	RS-4012-STD	RS-2510-STD	RS-9343-5	RS-40ZX4.005
	1967-69	Buick Engine		4.040	RS-4012-40	RS-2510-40	RS-9343-45	RS-40ZX4.045
	1970-77	With Performance Pistons		4.125	N/A	N/A	RS-10248-5	RS-43ZX4.130
		Chevrolet Turbo-Fire Engine		4.125	RS-4008-STD		RS-5879-5	RS-40ZX4.130
1959-66	Buick Engine	4.187		N/A	RS-5879-65		RS-40ZX4.190	
401	1959-66	Buick Engine			4.125		RS-10248-5	RS-43ZX4.130
402	1969-72	With Performance Pistons		RS-4008-STD		RS-5879-5	RS-40ZX4.130	
403		1977-79		6.6L Oldsmobile Engine	4.351	N/A	RS-9224-35	N/A
409	1961-65	Chevrolet Engine		4.310	RS-4025-60	RS-2330-60	RS-9590-65	RS-40ZX4.315
425	1977-79	7.0L Cadillac Engine		4.125	RS-4008-STD	N/A	RS-5879-5	RS-40ZX4.130
	1963-66	Buick Engine		4.310	RS-4025-60	RS-2330-60	RS-9590-65	RS-40ZX4.315
427	1966-69	With Performance Pistons		4.250	N/A	RS-9904-STD	RS-9745-5	RS-43ZX4.255
		Chevrolet Engine			RS-4025-STD	RS-9590-5	RS-40ZX4.255	
428	1967-77	Pontiac Engine		4.120	N/A	N/A	RS-5879-5	RS-40ZX4.130
429	1964-65	Cadillac Engine					RS-10202-5	RS-44ZX4.130
430	1967-69	Buick Engine		4.187	N/A	RS-9904-STD	RS-5879-65	RS-40ZX4.190
454	1970-76	With Performance Pistons		4.250			RS-9745-5	RS-43ZX4.255
		Chevrolet Engine			RS-4025-STD	N/A	RS-9590-5	RS-40ZX4.255
455	1968-75	Oldsmobile Engine		4.125	RS-4008-STD	N/A	RS-5879-5	RS-40ZX4.130
	1970-76	Buick Engine		4.310	RS-4025-60	RS-2330-60	RS-9590-65	RS-40ZX4.315

## Honda

ENGINE, L	YEARS	APPLICATION	CYL	BORE	DURA-MOLY™ ZGS RING SET	DURA-MOLY™ FILE FIT RING SET
ALL	ALL	B-18-A1-B1, B17, B18C, B16 Turbocharged	4	3.209	RS-21ZX3.212	RS-3212-3

## Mitsubishi

ENGINE, L	YEARS	APPLICATION	CYL	BORE	STROKE	DURA-MOLY™ ZGS RING SET
2.0L	89-99	TALON 4G63 ECLIPSE TURBOCHARGED	4	3.366	3.460	RS-21ZX3.369
2.0L	89-99	TALON ECLIPSE TURBOCHARGED	4	3.376	3.460	RS-21ZX3.379
2.0L	91-99	3000GT 6G72 TURBOCHARGED	4	3.661	2.992	RS-21ZX3.664

## Toyota

ENGINE, L	YEARS	APPLICATION	CYL	BORE	DURA-MOLY™ ZGS RING SET	DURA-MOLY™ FILE FIT RING SET
3.0L	87-92	TURBOCHARGED SUPRA	6	3.270	RS-21ZX3.271	RS-3271-1
				3.285	RS-21ZX3.290	RS-3290-5
2.0L	88-93	TURBOCHARGED CELICA	4	3.387	RS-21ZX3.389	RS-3389-2