

PISTON RINGS



CHILD'S & ALBERT



THE DURA-MOLY™ RING WITH THE ZERO GAP TAPER-FACE RING FOR UNSURPASSED PERFORMANCE

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.

ZGS TECHNOLOGY (ZERO GAP SECOND)

The ZGS 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 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 prove 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.

MADE IN THE USA.

DURA-MOLY™ STAINLESS & TOOL STEEL ZGS RING SETS

Bore Diam.	Oversize	Cyl.	Comp. Ring		2nd Ring		Oil Ring		Tension	Spacer	Ring Set*
			Groove	Part#	Groove	Part#	Groove	Part#			
4.000	4.005	8	031	BS-031	1/16	ZGTF-116	3/16	OL-316	LOW	SP-030	RS-30Z X 4.005
			031	BS-031	1/16	ZGTF-116	3/16	OS-316	STD	SP-030	RS-31Z X 4.005
			017	BS-017	1/16	ZGTF-116	3/16	OS-316	STD		RS-32Z X 4.005
			1/16	BS-116	1/16	ZGTF-116	3 MM	OL3MM	LOW		RS-34Z X 4.005
			1/16	BS-116	1/16	ZGTF-116	3/16	OL-316	LOW		RS-35Z X 4.005
			043	BS-043	1/16	ZGTF-116	3/16	OL-316	LOW		RS-36Z X 4.005
			017	BS-017	1/16	ZGTF-116	3 MM	OL-3MM	LOW		RS-37Z X 4.005
			043	BS-043	1/16	ZGTF-116	3 MM	OL-3MM	LOW		RS-38Z X 4.005
			5/64	BS-564	5/64	ZGTF-564	3/16	OS-316	STD		RS-40Z X 4.005
			043	BS-043	1/16	ZGTF-116	3/16	OS-316	STD		RS-41Z X 4.005
			1/16	BS-116	1/16	ZGTF-116	3/16	OS-316	STD		RS-43Z X 4.005
			1/16	BS-116	1/16	ZGTF-116	1/8	OS-18	STD		RS-44Z X 4.005
			1/16	DS-116	1/16	ZGTF-116	3/16	OS-316	STD		RS-46Z X 4.005

* If Ring Set part number is not present, order rings by open stock number only.

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