



SHRIRAM PISTONS & RINGS

MD: TS: 09/AUG'23

INTRODUCTION CIRCULAR – **ELGI AIR COMPRESSOR 90 mm – 'CBO' - RING SET**

USHA is pleased to launch **ELGI Air Compressor 90 mm 'CBO'** ring set in its Industrial/ Off-road application product range in aftermarket.



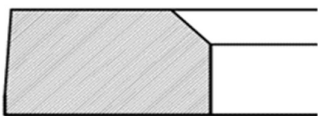

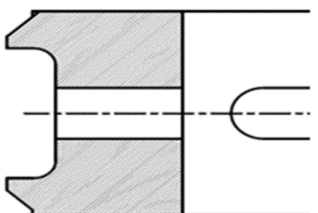
This ring set has following special features:

All these rings are made of **Cast Iron material** which retains its integrity of its original shape under extended compression load & other dynamic working conditions.

ITEM	CONFIGURATION	FEATURES	BENEFITS TO CUSTOMER
Top-1 Ring	Taper Inside Bevel {TIB}	Taper face	Ring has a Taper on OD to provide line contact with liner surface resulting in higher wall pressure, hence better compression & oil scraping
		Inside Bevel	This ring also has a bevel cut on its top inside face which facilitates ring to twist positively during downward movement & provides better sealing.
		Parkerising	Ring is fully parkerised to provide porous surface for oil retention resulting in better lubrication & lesser wear. It also prevents rusting & enhances shelf life.
Top-2 Ring	Taper Napier {N}	Taper face	Ring has a Taper on OD to provide line contact with liner surface resulting in higher wall pressure, hence better oil scraping.
		Napier Geometry	Scraper notch at the bottom outer face of the ring facilitates better oil control through scraping and restricting its upward movement.

		Parkerising	Ring is fully parkerised to provide porous surface for oil retention resulting in better lubrication & lesser wear. It also prevents rusting & enhances shelf life.
Top-3 & 4 (Oil Rings)	Cross Bevel Oil Control {CBO}	Cross Bevel Geometry	Top & bottom OD side edges of the sliding lands have cross bevel geometry, exerts high surface pressure towards cylinder walls by reducing frictional losses, wear etc. & there-by provides better oil scraping.
		Parkerising	Ring is fully parkerised to provide porous surface for oil retention resulting in better lubrication & lesser wear. It also prevents rusting & enhances shelf life.

Technical data of **ELGI Air Compressor 90 mm 'CBO'** ring set is as under:

TECHNICAL DATA- ELGI AIR COMPRESSOR 90 mm – 'CBO' RING SET (ø 90.00 mm)						
						USHA Code → I10
Ring/s	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross Section
			(mm)	(Thou)		
Top-1	TIB	3.00	0.10-0.30	04-12	Parkerising	
Top-2	N	3.00	0.15-0.35	06-14	Parkerising	
Top-3 & 4 (Oil)	CBO	5.50	0.15-0.35	06-14	Parkerising	

USHA **ELGI Air Compressor 90 mm 'CBO'** ring set is specially designed to achieve desired compression by reducing wear, low oil consumption & optimum performance etc.



Technical Product News is an exclusive update of product & information from
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