



## SHRIRAM PISTONS & RINGS LTD.

MD: TS: 06/JUN'24

INTRODUCTION CIRCULAR – MAHINDRA JEETO (D) BS IV 'CPC'- RING SET

USHA is pleased to launch **Mahindra Jeeto Diesel BS IV 'CPC'** ring set in its aftermarket SCV product range.

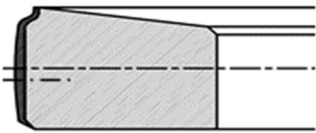

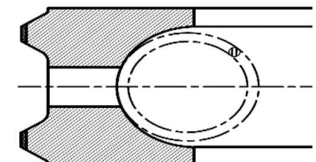


This ring set has following special features:

ITEM	CONFIGURATION	FEATURES	BENEFITS TO CUSTOMER
TOP RING	Special Steel Half Keystone Composite Plating of Chrome (KHSSCPC)	Special Steel Material (RIK-20A)	Top ring is manufactured using special steel alloy (RIK-20A) material which has properties similar to steel. This material has good elasticity and excellent resistance to twisting, breakage & wear.
		Half Keystone Geometry	Upper side of top ring is having keystone geometry which helps in squeezing out excess oil from the groove preventing carbon deposition & sludge formation. Bottom side is kept flat for better seating resulting in lesser blow-by.
		CPC Coating	CPC is a specialized process of first plating the ring OD with chrome, then creating cracks & filling up hard particles ( $Al_2O_3$ ) in these. This process is repeated many times building one layer above another. CPC rings have higher wear & scuff resistance under all working conditions.
		Parkerising	Side faces are parkerised to provide porous surface for oil retention resulting in better lubrication, hence lesser wear.
2 <sup>nd</sup> RING	Reverse Torsion (RT)	Taper face	Ring has a Taper on OD to provide line contact with liner resulting in higher wall pressure, hence better sealing.
		Inside bevel on lower face	Ring has a bevel cut on lower inside face due to which ring twists in anti-clockwise direction during suction stroke which locks the groove to avoid blow-by & upward movement of oil.

		Parkerising	Ring is fully parkerised to provide porous surface for oil retention resulting in better lubrication & lesser wear.
OIL RING	Spring Loaded Chrome Plated Cast Iron Profile Ground HTCR (PGV)	Highly Conformable	Ring is provided with a variable pitch coil spring making it highly conformable with the bore which ensures perfect sealing & excellent oil scrapping at all times.
		Chrome Plated & Profile Ground Ring Lands	Ring lands are made uniform throughout the periphery for an effective sealing and efficient scrapping of oil due to sharper edges. Chrome plating provides excellent wear & scuff resistance.
		Parkerising	Ring is parkerised to provide porous surface for oil retention & lesser wear.

Technical data of ring set is as under:

TECHNICAL DATA- MAHINDRA JEETO (D) BS IV 'CPC' - RING SET (ø 93.00 mm)						
						USHA Code → C42
Ring	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross Section
			(mm)	(Thou)		
Top	SSKH CPC	2.50	0.20-0.40	08-16	CPC Coating/ Parkerising	
2 <sup>nd</sup>	RT	2.00	0.45-0.65	18-26	Parkerising	
Oil	HTCR (PGV)	3.00	0.25-0.50	10-20	Chrome Plating on Lands/ Parkerising	

USHA Mahindra Jeeto Diesel BS IV 'CPC' ring set is specially designed to reduce oil consumption & blow-by for an excellent performance.



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