



SHRIRAM PISTONS & RINGS LTD.

MD: TS: 03/MAY'24 INTRODUCTION CIRCULAR – MAHINDRA SUPRO (D) 'CPC DHCR' - RING SET

USHA is pleased to launch Mahindra Supro Diesel 'CPC DHCR' ring set in its SCV product range.

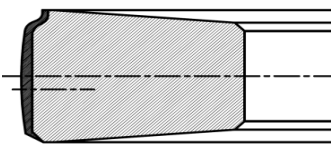
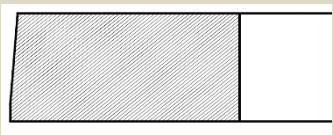
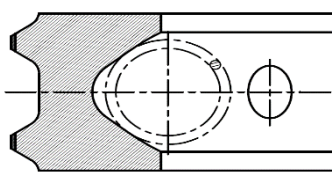
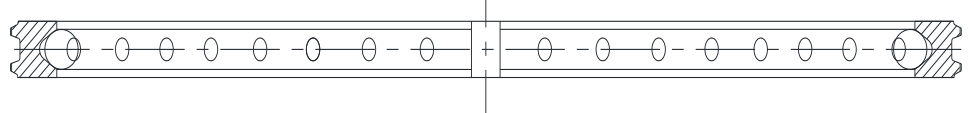


This ring set has following special features:

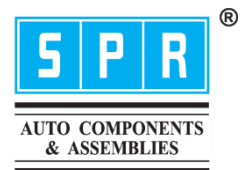
ITEM	CONFIGURATION	FEATURES	BENEFITS TO CUSTOMER
TOP RING	Keystone Special Steel CPC Ring (KSSCPC)	Special Steel Material (RIK-20A)	Top ring is manufactured using special steel alloy (RIK-20A) material which has properties similar to steel. This material has good elasticity and excellent resistance to twisting, breakage & wear.
		Keystone Geometry	Special keystone geometry keeps squeezing out excess oil from the groove, thereby prevents carbon deposition/ sludge formation.
		CPC Coating (Composite Plating of Chrome)	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 of top ring are parkerised to provide porous surface for oil retention resulting in better lubrication, hence lesser wear.
2 nd RING	Taper (T)	Taper face	Ring has a Taper on OD to provide line contact with liner resulting in higher wall pressure, hence better sealing.
		Parkerising	Ring is fully parkerised to provide porous surface for oil retention resulting in better lubrication & lesser wear.
OIL RING	Spring Loaded Drilled Hole Chrome Oil Ring (DHCR)	Highly Conformable	This ring has capability to conform itself to the varying wear pattern of cylinder liner which ensures perfect sealing & excellent oil scraping for lower oil consumption.
		Lands Chrome plated & Profile Ground	Ring lands are made uniform throughout the periphery for effective sealing and efficient scraping of oil due to sharper scraping edges. Chrome plating provides excellent wear & corrosion resistance.

		Multiple Oil Drainage Slots	Ensures easier & faster drainage of oil towards sump.
		Excellent Flatness	Side faces of DHCR oil ring remain flat and do not swell as in case of ordinary cast iron oil ring for a free movement in groove.
		Parkerising	Side faces of ring are parkerised to provide porous surface for oil retention resulting in better lubrication, hence lesser wear.

Technical data of **Mahindra Supro Diesel 'CPC DHCR'** ring set is as under:

TECHNICAL DATA- MAHINDRA SUPRO DIESEL 'CPC DHCR' - RING SET (ø 83.00 mm)						
						USHA Code → C44
Ring	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross Section
			(mm)	(Thou)		
Top	Special Steel Keystone CPC	2.50	0.25-0.40	10-16	Composite Plating of Chrome	
2 nd	Taper	2.00	0.35-0.55	14-22	Parkerising	
Oil Ring	DHCR(PGV)	2.50	0.25-0.45	10-18	Chrome Plating on Lands/ Parkerising	
						

USHA **Mahindra Supro Diesel 'CPC DHCR'** 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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