



SHRIRAM PISTONS & RINGS

MD: TS: 15/OCT'23

INTRODUCTION CIRCULAR – HARVESTER EURO III – 'CPC'

USHA is pleased to launch **Harvester Euro III 'CPC'** ring set in its product range in aftermarket.

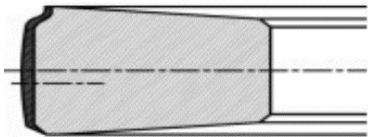
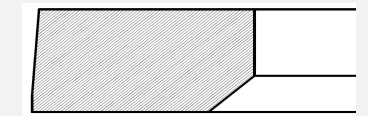
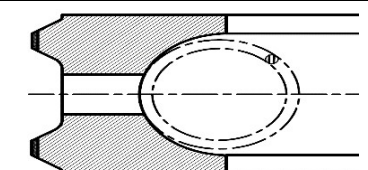


This ring set has following special features:

ITEM	CONFIGURATION	FEATURES	BENEFITS TO CUSTOMER
Top Ring	Special Steel Keystone Composite Plating of Chrome {KSSCPC}	Special Steel Material (RIK-20A)	Top ring is manufactured using special steel alloy which has properties similar to steel. This material has good elasticity and excellent resistance to twisting, breakage & wear etc.
		Keystone Geometry	Special keystone geometry keeps squeezing out excess oil from the groove, thereby minimizing chances of carbon deposition, sludge formation & preventing ring sticking inside the groove.
		Composite Plating of Chrome	CPC is a specialized process of first plating the ring OD with chrome, creating cracks & then filling up hard particles (Al_2O_3) in these cracks. This process is repeated several times building one layer above another. CPC rings have higher wear & scuff resistance under all working conditions.
2nd 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 minimize blow-by & restricts upward movement of oil towards combustion chamber.

Oil Ring	Spring Loaded Cast Iron	Highly Conformable	Ring is provided with a variable pitch coil spring making it highly conformable with the bore ensuring perfect sealing & excellent oil scrapping at all times.
	Chrome Plated Profile Ground HTCR (PGV)	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.

Technical data of **Harvester Euro III 'CPC'** ring set is as under:

TECHNICAL DATA- HARVESTER EURO III – 'CPC' RING SET (ø 102.00 mm)						
						USHA Code → H26
Ring	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross Section
			(mm)	(Thou)		
Top	KSSCPC	3.00	0.26-0.36	10-15	Composite Plating of Chrome	
2 nd	RT	2.39	0.60-0.80	24-32	---	
Oil	HTCR (PGV)	4.00	0.25-0.55	10-22	Chrome Plated lands	

USHA **Harvester Euro III '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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