



## SHRIRAM PISTONS & RINGS LTD.

MD: TS: 13/AUG'24

INTRODUCTION CIRCULAR – HARVESTER E II/ III 'DVM'- RING SET

USHA is pleased to launch **Harvester E II/ III 'DVM'** ring set in its product range in aftermarket.

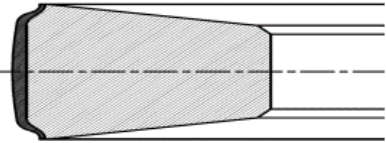
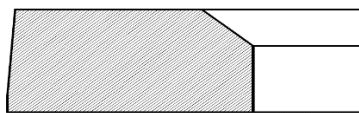
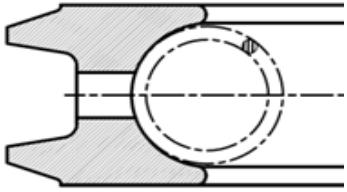


This ring set has following special features:

ITEM	CONFIGURATION	FEATURES	BENEFITS TO CUSTOMER
Top Ring	Special Steel Keystone Chrome {CRKSS}	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 & prevents ring sticking inside the groove.
		Chrome Plating	Outer periphery of the ring is chrome plated which provides excellent wear & scuff resistance.
2 <sup>nd</sup> Ring	Taper Inside Bevelled {TIB}	Taper face	Ring has a Taper on OD to provide line contact with liner resulting in higher wall pressure, hence better sealing.
		Inside Beveling	This ring 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.
Oil Ring	Diesel Vent 'M' shape (DVM)	Steel Material	Ring is made up of steel for longer life.
		Gas Nitriding (GN)	The ring is gas nitrided to provide wear resistance to all surfaces, hence longer life.
		Highly Conformable	DVM ring has built-in tension and spring beneath makes it highly conformable to the wear pattern of the bore for better oil scraping.

		Sharp Scraping Ring Lands	The sharp ring lands with high wall pressure ensure better scraping of oil resulting in lower oil consumption.
		Multiple Oil Drainage Slots	Ensure faster drainage of oil.
		Excellent Flatness	Side faces of DVM oil ring remain flat and do not swell as in case of ordinary oil ring, for a free movement in groove.
		Light in Weight	Ring is lighter in weight than ordinary oil ring which reduces fluttering of ring in groove thereby avoids pumping up of oil, hence low oil consumption.

Technical data of **Harvester E II/ III 'DVM'** ring set is as under:

TECHNICAL DATA- <b>HARVESTER E II/ III - 'DVM'</b> RING SET (ø 102.00 mm)						
						USHA Code → <b>H25/26</b>
Ring	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross Section
			(mm)	(Thou)		
Top	CRKSS	3.00	0.40-0.70	16-28	Chrome Plating	
2nd	TIB	2.35	0.25-0.55	10-22	Parkerising	
Oil	DVM	4.00	0.25-0.45	10-18	Gas Nitriding	

USHA **Harvester E II/ III 'DVM'** 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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