



SHRIRAM PISTONS & RINGS LTD.

MD: TS: 20/SEP'24 INTRODUCTION CIRCULAR – M&M BOLERO POWER+/ TUV300 'CPC DVM' - RING SET

USHA is pleased to launch **MAHINDRA BOLERO POWER+/ TUV300 DIESEL 'CPC DVM'** ring set in its aftermarket PV product range.



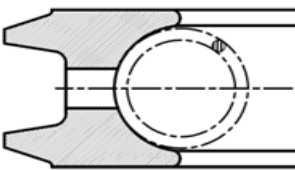


This ring set has following special features:

ITEM	CONFIGURATION	FEATURES	BENEFITS TO CUSTOMER
Top Ring	Special Steel Composite Plating of Chrome (SSCPC)	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.
		CPC Coating	CPC is a specialized process of first plating the ring OD with chrome, then creating cracks, then filling up hard particles (Al ₂ O ₃) in these cracks. 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 nd Ring	Taper Compression (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	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 bore wear for better oil scraping.
		Sharp Scraping Ring Lands	The sharp ring lands with high wall pressure ensures 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 **M&M BOLERO POWER+/ TUV300 DIESEL 'CPC DVM'** ring set is as under:

TECHNICAL DATA- M&M BOLERO POWER+/ TUV300 DIESEL 'CPC DVM' RING SET (ø 83.00 mm)						
						USHA Code → L40
Ring	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross Section
			(mm)	(Thou)		
Top	SSCPC	1.50	0.20-0.40	08-16	Composite Plating of Chrome/ Parkerising	
2 nd	T	1.50	0.35-0.55	14-22	Parkerising	
Oil	DVM	2.00	0.20-0.45	08-18	Gas Nitriding	

USHA **M&M BOLERO POWER+/ TUV300 DIESEL 'CPC DVM'** ring set is specially designed to reduce oil consumption & blow-by for an excellent performance.



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Shriram Pistons & Rings Ltd., 3rd Floor, Himalaya House, 23, Kasturba Gandhi Marg, New Delhi-110001
 Tel: 011-46451100, 23315941, Email: tss@shrirampistons.com, Website: www.shrirampistons.com