



## SHRIRAM PISTONS & RINGS

MD: TS: 20/JAN'23

INTRODUCTION CIRCULAR – **MARUTI SUPER CARRY DIESEL – 'CPC DVM' RING SET**

USHA is pleased to launch **Maruti Super Carry Diesel 'CPC DVM'** ring set in its SCV product range.

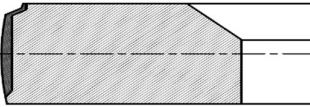
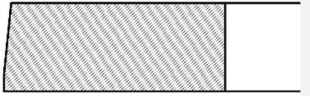
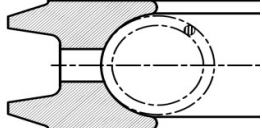


This ring set has following special features:

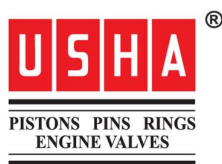
ITEM	CONFIGURATION	FEATURES	BENEFITS TO CUSTOMER
Top Ring	Special Steel Inside Bevelled Semi Inlaid Composite Plating of Chrome  SSIB(I)CPC	Special Steel Material (RIK-20A)	Top ring is manufactured using special steel alloy which has properties similar to steel. This material has good elasticity and excellent resistance to twisting, breakage & wear etc.
		Inside Bevelling	This ring has a bevel cut on top inside face which facilitates ring to twist positively during upward movement & provides better sealing.
		Semi Inlaid Composite Plating of Chrome	A groove is made on the outer periphery of the ring for better bonding of surface coating (semi inlaid) with base material. CPC is a specialized process of first plating the ring OD with chrome, creating cracks & then filling up hard particles (Al <sub>2</sub> O <sub>3</sub> ) 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.
2 <sup>nd</sup> 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 of steel material for longer life.
		Gas Nitrided (GN)	It 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 bore wear for better oil scrapping.
	Sharp Scrapping Ring Lands	The sharp ring lands with high wall pressure ensure better scrapping 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 free movement in groove.
	Light in Weight	Ring is lighter in weight than ordinary oil ring which reduces fluttering in ring groove. Less fluttering avoids pumping up of oil thereby reducing oil consumption.

Technical data of **Maruti Super Carry Diesel 'CPC DVM'** ring set is as under:

TECHNICAL DATA- <b>MARUTI SUPER CARRY DIESEL – 'CPC DVM'</b> RING SET (ø 77.00 mm)						
						<b>USHA Code → C34</b>
Ring	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross Section
			(mm)	(Thou)		
Top	SSIB(I)CPC	1.75	0.18-0.28	07-11	CPC/ Parkerising	
2 <sup>nd</sup>	T	1.75	0.40-0.60	16-24	Parkerising	
Oil	DVM	2.00	0.20-0.40	08-16	Gas Nitriding	

USHA **Maruti Super Carry Diesel 'CPC 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  
**Shriram Pistons & Rings Ltd., 3rd Floor, Himalaya House, 23, Kasturba Gandhi Marg, New Delhi-110001**  
 Tel: 011-46451100, 23315941, Email: [tss@shrirampistons.com](mailto:tss@shrirampistons.com), Website: [www.shrirampistons.com](http://www.shrirampistons.com)