

MD: TS: 15/2022

DEC'2021

An update from SHRIRAM PISTONS & RINGS LTD.

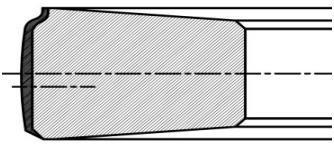
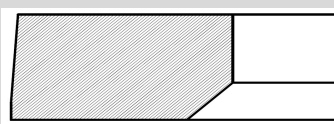
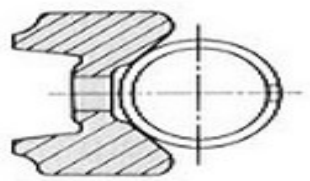
USHA[®] is pleased to launch **EICHER 494/694 BS-IV 'CPC DVM'** ring set in its LCV/ HCV product range.

This ring set has following special features:

ITEM	CONFIGURATION	FEATURES	BENEFITS TO CUSTOMER
TOP RING	Keystone Special Steel CPC (KSSCPC)	Special Steel Material (RIK-20A)	Top ring is manufactured using special steel alloy (RIK-20A) 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 inside the groove, thereby prevents carbon deposition/ sludge formation.
		CPC Coating	CPC is a specialized process of first plating the ring OD with chrome, creating cracks, then filling up hard particles (Al ₂ O ₃) in these cracks. This process is repeated many times building one layer over other. CPC rings have higher wear & scuff resistance under all working conditions.
2 nd 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 avoid blow-by & upward movement of oil.
		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.
		Highly Conformable	DVM ring has built-in tension and spring beneath makes it highly conformable and adjustable 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	Ensures 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. Less fluttering avoids pumping up of oil thereby reducing oil consumption.
		Gas Nitrided (GN)	The ring is Gas Nitrided to provide wear resistance to all surfaces for a longer life.

Technical data of **EICHER 694/ 494 BS-IV 'CPC DVM'** ring set is as under:

TECHNICAL DATA- EICHER 694/ 494 BS-IV 'CPC DVM' - RING SET (Ø 100.00 mm)						
USHA Code → L30/H30						
Ring	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross Section
			(mm)	(Thou)		
Top	Special Steel Keystone	3.00	0.25-0.40	10-16	Composite Plating of Chrome (CPC)	
2 nd	Reverse Torsion	2.50	0.40-0.60	16-24	Parkerising	
Oil	DVM	2.50	0.20-0.45	08-18	Gas Nitriding	

USHA® **EICHER 694/ 494 BS-IV 'CPC DVM'** ring set has been specially designed to reduce oil consumption by 40% for better fuel efficiency & longer life.



Technical Product News is an exclusive update of product & information from
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