

**USHA**<sup>®</sup> is pleased to launch TATA INDIGO MANZA/ FIAT LINEA 90 PS 'IP DVM' ring set in its Car product range.

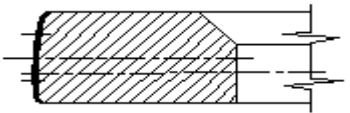
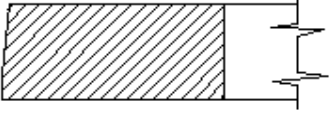
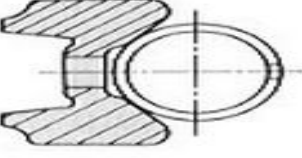
This ring set is compatible with pistons manufactured by SPR having top groove thickness of 1.75 mm, suitable for Tata Indica Vista D90/ Zest, Fiat Punto Evo/ Grande, Maruti SX4/ Ertiga/ S-Cross 1.3L/ Vitara Brezza/ Ciaz diesel models.

This ring set has following special features:-

ITEM	CONFIGURATION	FEATURES	BENEFITS TO CUSTOMER
TOP RING	Steel Inside Bevel (HPIB-PVD)	Steel Material	Top ring is made up of steel which possesses good elasticity, excellent resistance to twisting, breakage & wear, hence longer life.
		Inside Beveling	This ring has a bevel cut on top inside face which facilitates ring to twist positively during its downward movement & provides better sealing.
		Ion Plating	Ion plating is a Japanese technology based on PVD (Physical Vapour Deposition) through which chrome and nitrogen ions get deposited on ring outer surface.  Ion plating is a superior coating for improving wear & scuff resistance and hence life of ring.
2 <sup>nd</sup> RING	Taper Compression Ring (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, hence lesser wear.
OIL RING	Diesel Vent 'M' shape Oil Ring (DVM)	Steel Material	Ring is made up of steel for longer life.
		Gas Nitrided (GN)	This ring is gas nitrided to provide wear resistance to all surfaces for a longer life.
		Highly Conformable	DVM ring itself has built-in tension and spring beneath makes this ring highly conformable and adjustable to bore wear for better oil scrapping.

		<b>Sharp Scrapping Ring Lands</b>	The sharp ring lands with high wall pressure ensure better scrapping of oil resulting in lower oil consumption.
		<b>Multiple Oil Drainage Slots</b>	Ensures faster drainage of oil.
		<b>Excellent Flatness</b>	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.
		<b>Light in weight</b>	Ring is lighter in weight than ordinary oil ring which reduces the fluttering of ring in grooves. Less fluttering avoids pumping up of oil thereby reducing oil consumption.

Technical data of USHA TATA INDIGO MANZA/ FIAT LINEA 90 PS 'IP DVM' ring set is as under:

TECHNICAL DATA- TATA INDIGO MANZA/ FIAT LINEA 90 PS 'IP DVM' RINGS (∅ 69.60 mm)						
USHA Code →C21						
Ring	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross Section
			(mm)	(Thou)		
Top	Steel Inside Bevel	1.75	0.18-0.28	07-11	Ion Plating	
Second	Taper	1.50	0.70-0.85	28-34	Parkerised	
Oil Ring	DVM	2.00	0.20-0.40	08-16	Gas Nitrided	

**USHA**® TATA INDIGO MANZA/ FIAT LINEA 90 PS 'IP DVM' ring set has been specially designed to reduce oil consumption by 40%, better fuel efficiency and longer life.



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