



# SHRIRAM PISTONS & RINGS LTD.



**MD: TS: 43/MAR'26 INTRODUCTION CIRCULAR- RENAULT TRIBER/ KIGER 1.0L (P) 'IP VENT'-RING SET**

USHA is pleased to launch **RENAULT TRIBER/ KIGER 1.0L PETROL 'IP VENT'** ring set in its Car/ PV product range.

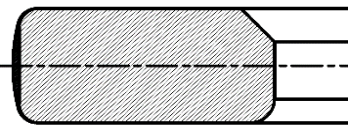

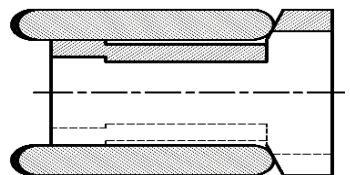


This ring set has following special features:

ITEM	CONFIGURATION	FEATURES	BENEFITS TO CUSTOMER
TOP RING	Steel Inside Bevel {HPIBGN(PVD)}	Steel Material	Top ring is made up of steel which possesses good elasticity, excellent resistance to twisting, breakage & wear, hence longer life.
		Inside Bevelling	Ring has a bevel cut on upper inside edge due to which it facilitates ring to twist positively during its downward movement & provides better sealing.
		Gas Nitriding (GN)	The ring is gas nitrided to provide better wear resistance to all surfaces, hence longer life.
		Ion Plating (PVD)	Ion plating is a Japanese technology based on PVD (Physical Vapour Deposition) through which chrome and nitrogen ions get deposited on ring outer surface which enhances wear & scuff resistance.
2 <sup>nd</sup> RING	Taper Napier {NCR}	Taper face	Ring has a Taper face on its upper outer edge to provide line contact with liner resulting in higher wall pressure for better sealing.
		Napier Cut	A Napier cut is provided at ring's lower outer face facilitates the ring to accumulate excess oil & scraps it towards crankcase, hence low oil consumption.
		Chrome Plating	Outer Taper face of the ring is Chrome plated to provide excellent wear & scuff resistance.
		Parkerising	Ring is fully parkerised to provide porous surface for oil retention resulting in better lubrication & lesser wear.

OIL RING	{RIKVENT (PVD)}	'RIKVENT' Design	'RIKVENT' ring has a unique design consisting of three parts i.e. two rails & one spacer. The spacer acts as an expander and has protruded lips which not only push ring rails against cylinder walls but also tilt lower rail upwards and upper rail downwards making it nearly impossible for lubricating oil to go up towards combustion chamber.
		Steel Spacer & Rails	Spacer & Rail rings are made of steel material having better conformability for enhanced oil scraping & longer life.
		Ion Plating on Rails	Ion plating is a Japanese technology based on PVD (Physical Vapour Deposition) through which chrome and nitrogen ions get deposited on rails outer surface which enhances wear resistance.
		Gas Nitriding	Also rails are gas nitrided for better wear resistance, hence enhanced overall engine performance.

Technical data of ring set is as under:

TECHNICAL DATA- RENAULT TRIBER/ KIGER 1.0L PETROL 'IP VENT' - RING SET (ø 71.00 mm)						
						USHA Code → C66
Ring	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross Section
			(mm)	(Thou)		
Top	HPIBGN(PVD)	1.00	0.15-0.30	06-12	Ion Plating/ Gas Nitriding	
2 <sup>nd</sup>	NCR	1.20	0.40-0.55	16-22	Chrome Plating/ Parkerising	
Oil	RIKVENT (PVD)	2.00	0.20-0.70	08-28	OD Ion Plated/ Gas Nitrided Rails	

USHA RENAULT TRIBER/ KIGER 1.0L PETROL 'IP VENT' 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, Website: www.shrirampistons.com