



MD: TS: 42/MAR'26 INTRODUCTION CIRCULAR- MARUTI ALTO K10C/CELERIO K10C (P) 'HPVENT'- RING SET

USHA is pleased to launch MARUTI ALTO K10C/ CELERIO K10C / WAGONR K10C (3 Cylinder) PETROL 'HPVENT' ring set in its Car/ PV product range.

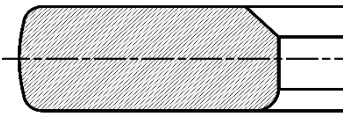
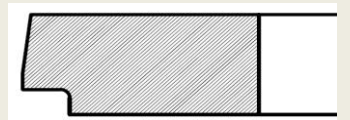
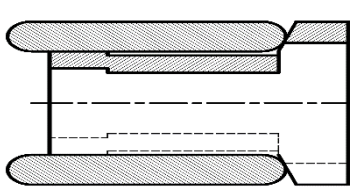


This ring set has following special features:

ITEM	CONFIGURATION	FEATURES	BENEFITS TO CUSTOMER
TOP RING	Steel Inside Bevel (HPIBGN)	Steel Material	Top ring is made up of steel material which possesses good elasticity, excellent resistance to twisting, breakage & wear, hence longer life.
		Inside Bevel Geometry	Ring has a bevel cut on top inside face which facilitates ring to twists positively during its downward movement & provides better sealing.
		Gas Nitriding (GN)	The ring is gas nitrided to provide wear resistance to all surfaces for a longer life.
2 nd RING	Taper Outside Step (TOS)	Taper face	Ring has a Taper on OD to provide line contact with liner resulting in higher wall pressure & hence better sealing.
		Outside Step Geometry	Ring has a step cut on lower outside face due to which ring tilts positively and locks ring groove to avoid oil escaping towards combustion chamber during upward movement. Also facilitates better oil scraping during downward movement, hence low oil consumption.
		Parkerising	Ring is fully parkerised to provide porous surface for oil retention resulting in better lubrication, hence lesser wear.
OIL RING	RIKVENT	'RIKVENT' Design	'RIKVENT' rings consists of three parts- two rails & one spacer. The spacer acts as an expander also. The spacer is made up of protruded lips which not only push OD chrome plated rings against cylinder walls but also moves them upwards and downwards making it nearly impossible for lubricating oil to go up towards combustion chamber.

		Steel Material	03 piece 'RIKVENT' rings are made of steel material having better conformability for enhanced oil scraping, hence longer life.
		Gas Nitriding (GN)	The rings are gas nitrided to provide better wear resistance to all surfaces.

Technical data of **MARUTI ALTO K10C / CELERIO K10C / WAGONR K10C (3 Cylinder) PETROL 'HPVENT'** ring set is as under:

TECHNICAL DATA- MARUTI ALTO K10C/ CELERIO K10C/ WAGONR K10C (3 Cylinder) PETROL 'HPVENT' RINGS (ø 73.00 mm)						
						USHA Code → C57
Ring	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross Section
			(mm)	(Thou)		
Top	HPIBGN	1.00	0.15-0.28	06-11	Gas Nitriding	
Second	TOS	1.20	0.28-0.41	11-16	Parkerising	
Oil Ring	RIKVENT	2.00	0.20-0.70 (Rails)	08-28	Gas Nitriding	

Since **MARUTI ALTO K10C / CELERIO K10C / WAGONR K10C (3 Cylinder) PETROL 'HPVENT'** ring set's **axial thickness** is same as that of **A-STAR/ ALTO K10/ CELERIO/ S-PRESSO (C23)**, but are not interchangeable because of difference in radial thickness of oil ring.

USHA **MARUTI ALTO K10C / CELERIO K10C / WAGONR K10C (3 Cylinder) PETROL 'HPVENT'** ring set is specially designed to reduce oil consumption & blow by for an excellent performance when fitted with piston set of this model, which is already in our range.



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