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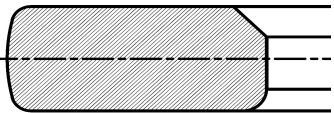
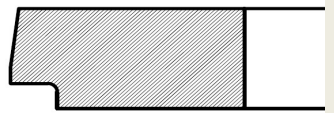
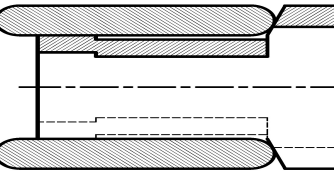
An update from SHRIRAM PISTONS & RINGS LTD.

USHA[®] is pleased to launch **MARUTI A STAR/ ALTO K10 'HPVENT'** ring set in its Car product range.

This ring set has following special features:

ITEM	CONFIGURATION	FEATURES	BENEFITS TO CUSTOMER
TOP RING	Steel Inside Bevel, Gas Nitrided (HPIBGN)	Steel Material	Top ring is made up of steel which possesses good elasticity, excellent resistance to twisting, breakage & wear, hence longer life.
		Inside Bevelling	This ring set has a bevel cut on top inside face which facilitates ring to twist positively during downward movement & provides better sealing.
		Gas Nitriding	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	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 scrapping 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' ring is a unique design consisting of three parts - 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 Material	03 piece 'RIKVENT' rings are made of steel having better conformability for enhanced oil scrapping and longer life.
		Gas Nitriding	The rails and spacer are gas nitrided to provide better wear resistance to all surfaces.

Technical data of MARUTI A STAR/ ALTO K10 'HPVENT' ring set is as under:

TECHNICAL DATA- MARUTI A STAR/ ALTO K10 – 'HPVENT' RINGS (Ø 73.00 mm)						
USHA Code → C23						
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 Nitrided	
Second	TOS	1.20	0.28-0.41	11-16	Parkerised	
Oil Ring	RIKVENT	2.00	0.20-0.50 (Rails)	08-20	Gas Nitrided	

USHA[®] MARUTI A STAR/ ALTO K10 'HPVENT' 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
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