



MD: TS: 34/JAN'26 INTRODUCTION CIRCULAR- VOLKSWAGEN POLO 1.2L (P) 'HPVENT' - RING SET

USHA is pleased to launch 'VOLKSWAGEN POLO 1.2L PETROL 'HPVENT' ring set in its aftermarket Car/ PV product range.

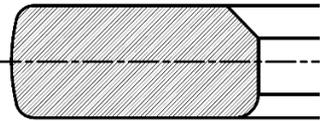
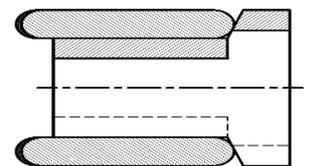


This ring set has following special features:

ITEM	CONFIGURATION	FEATURES	BENEFITS TO CUSTOMER
Top Ring	Steel Inside Bevelled (HPIBGN)	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 set has a bevel cut on top inside face which facilitates ring to twist positively during downward movement & provides better sealing.
		Gas Nitriding	Ring is gas nitrided to provide wear resistance to all surfaces, hence longer life.
2 <sup>nd</sup> Ring	Taper Napier (N)	Taper face	Ring has a Taper geometry at its upper outer face which provides line contact with liner resulting in higher wall pressure, hence better sealing.
		Napier cut geometry	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.
		Parkerising	Ring is fully parkerised to provide porous surface for oil retention resulting in better lubrication & lesser wear.
Oil Ring	RIKVENT	'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, resulting in lower oil consumption.

		Steel material	Spacer & Rails are made up of steel material having better conformability & wear resistance, hence improved oil scraping & ring life.
		Chrome Plating on Rails	The rails are chrome plated for better wear resistance.
		Parkerising	Side faces of the rails are parkerised to provide porous surface for oil retention resulting in better lubrication & lesser wear.

The technical details of '**VOLKSWAGEN POLO 1.2L (P)**' – '**HPVENT**' ring set are as under:

TECHNICAL DATA – ' <b>VOLKSWAGEN POLO 1.2L (P)</b> ' – ' <b>HPVENT</b> ' RINGS (Ø 76.50 mm)						
						<b>USHA Code</b> → <b>C67</b>
Ring	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross Section
			(mm)	(Thou)		
Top	Steel Inside Bevel (HPIBGN)	1.20	0.25-0.40	10-16	Gas Nitriding	
Second	Napier (N)	1.20	0.35-0.50	14-20	Parkerising	
Oil	RIKVENT	2.00	0.20-0.70 (Rails)	08-28	Chrome Plated Rails/ Parkerising	

Above features make USHA **VOLKSWAGEN POLO 1.2L (P)** '**HPVENT**' ring set unique, produced to give better performance & longer life.



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