



MD: TS: 35/JAN'26

INTRODUCTION CIRCULAR – HERO PASSION PRO – PA KIT

USHA is pleased to launch 'Hero Passion Pro' PA kit in its aftermarket bi-wheeler product range.



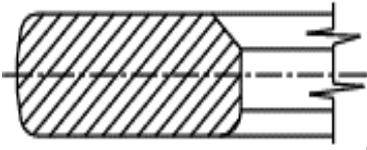
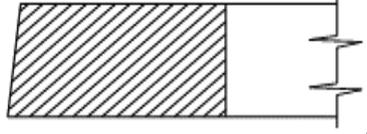
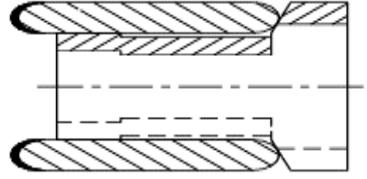
Technical details of 'Hero Passion Pro/ Splendor' Piston and Ring set are as under:

**Piston:**

Technical Data – Piston		USHA Code → NCS98
Nominal Bore Diameter		50.00
Piston Diameter		49.98
Piston to Liner Clearance		0.02
Compression Height		19.20
Total Height		39.20
Gudgeon Pin Length X OD		38.40 X 13.00

All dimensions are in mm

## Piston Rings:

Technical Data - 'HPVENT' Rings						
Ring	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross Section
			(mm)	(Thou)		
Top	Steel Inside Bevel (HPIBGN)	0.80	0.10-0.25	04-10	Gas Nitriding	
2 <sup>nd</sup>	Special Steel Taper (TSS)	0.80	0.10-0.25	04-10	Parkerising	
Oil	RIKVENT	2.00	0.20-0.70 (Rails)	08-28	Chrome Plated Rails/ Parkerising	

## Cylinder Block:

Cylinder block of '**Hero Passion Pro**' which is common with Hero HF Deluxe/ Splendor i3s is manufactured using Cast Iron material which is having good castability, machinability & superior surface finish to retain optimum amount of oil to minimize friction.

USHA piston assemblies suitable for '**Hero Splendor/ Passion**' are matched with these superior quality air cooled blocks for supply as PA kits for low oil consumption, no smoke & improved performance in an attractive packaging.



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