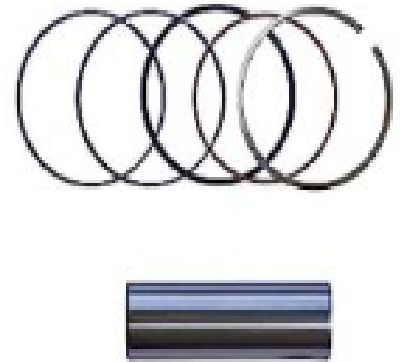
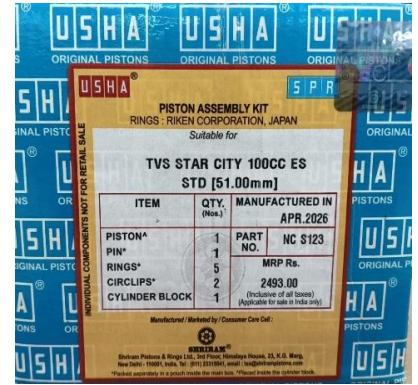




MD: TS: 53/MAR'26

INTRODUCTION CIRCULAR – TVS STAR CITY 100cc ES- PA KIT

USHA is pleased to launch 'TVS STAR CITY 100cc ELECTRIC START' PA kit in its aftermarket bi-wheeler product range.



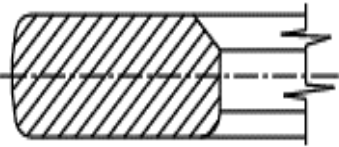
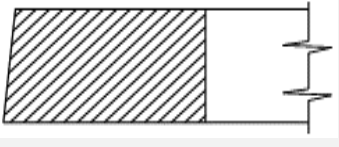
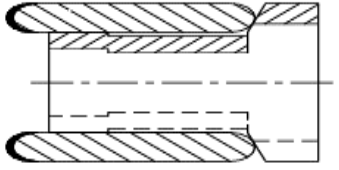
Technical details of 'TVS STAR CITY 100cc' Piston and Ring set are as under:

Piston:

Technical Data – Piston		USHA Code → NCS123
Nominal Bore Diameter		51.00
Piston Diameter		50.98
Piston to Liner Clearance		00.02
Compression Height		20.60
Total Height		40.60
Gudgeon Pin Length X OD		14.00 X 38.00

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 nd	Taper Special Steel (TSS)	0.80	0.15-0.30	06-12	Parkerising	
Oil	RIKVENT	1.50	0.20-0.70 (Rails)	08-28	Chrome Plated Rails/ Parkerising	

Cylinder Block:

Cylinder block 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 '**TVS STAR CITY 100cc**' are matched with these superior quality air cooled blocks for supply as PA kits for low oil consumption & improved performance in an attractive packaging.



Technical Product News is an exclusive update of product & information from
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