



SHRIRAM PISTONS & RINGS LTD.

MD: TS: 30/ MAR'24 INTRODUCTION CIRCULAR – **SUZUKI ACCESS 125cc NEW – PISTON ASSEMBLY**

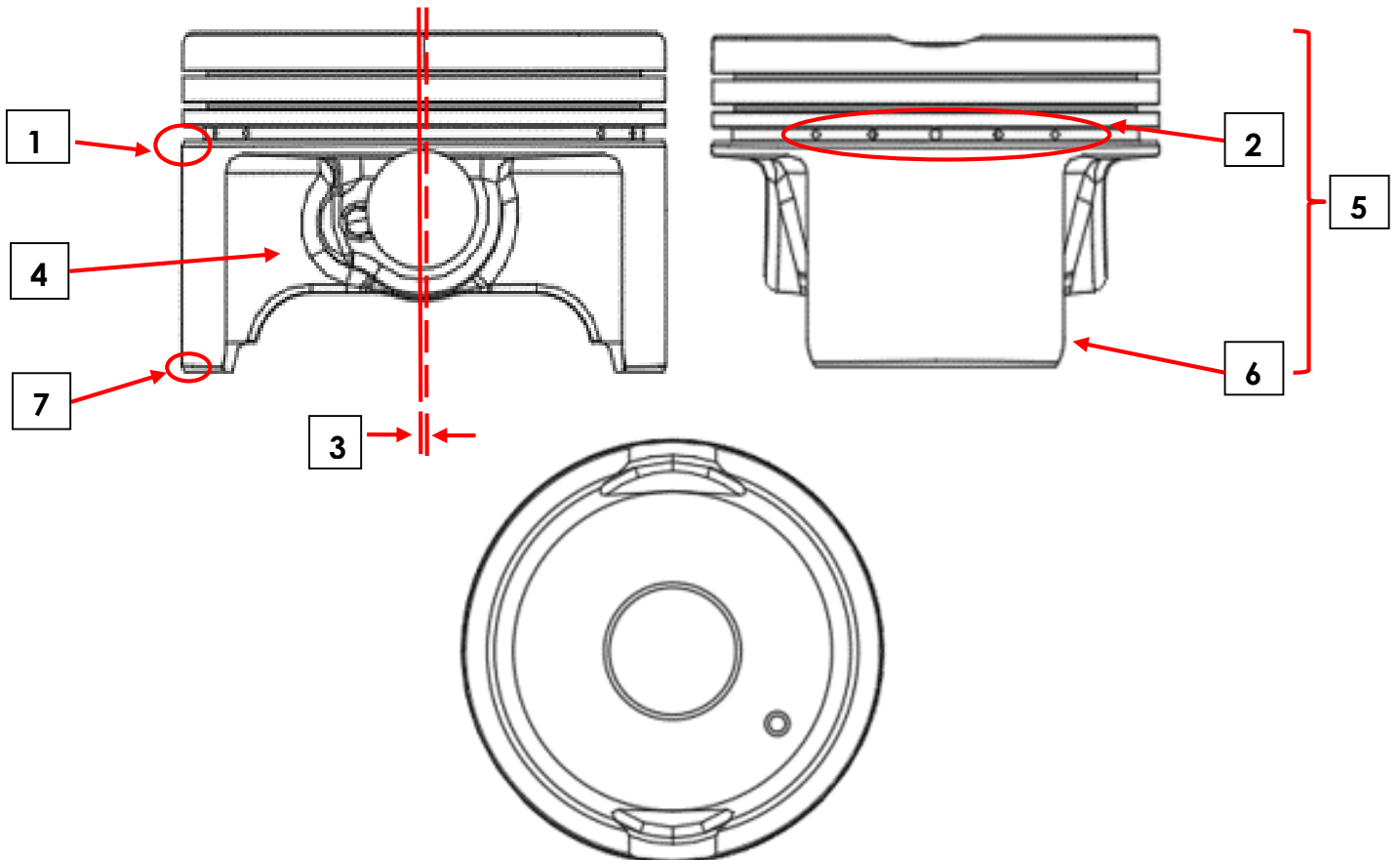
USHA is pleased to launch **Suzuki Access 125cc New** piston assembly in its bi-wheeler product range.

This piston assembly is also compatible for **Suzuki Burgman Street**.



This piston assembly has following special features: -

PISTON:-



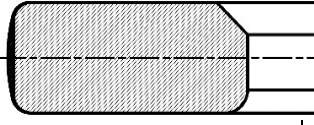
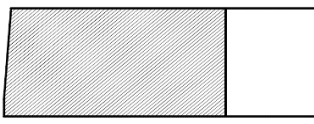
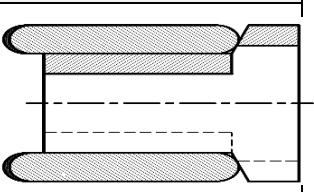
Unique features of USHA 'SUZUKI ACCESS 125cc NEW/ BURGMAN STREET' piston are as follows:

SL. NO.	SPECIAL FEATURE	BENEFITS TO CUSTOMER
1)	CHAMFER AT BOTTOM OF OIL RING GROOVE: An all-round chamfer is provided just below the oil ring groove area.	<ul style="list-style-type: none"> Provides all time lubrication to piston skirt No piston seizure in extreme limits of normal working conditions
2)	HOLES IN OIL RING GROOVE AREA: 05 nos. of holes are provided in the oil ring groove on either side of piston skirt.	<ul style="list-style-type: none"> Faster drainage of excess oil Reduces oil consumption
3)	PISTON - PIN BORE OFFSET: Piston is provided with piston pin bore offset to avoid piston slap. Piston pin bore offset means that the centre line of piston is slightly offset from the centre line of pin bore. Due to this offset, piston tilts at TDC & BDC smoothly & prevents slapping with cylinder surface.	<ul style="list-style-type: none"> Reduces engine noise
4)	AS CAST RELIEF IN PIN BORE AREA: As cast relief in pin bore area helps in faster drainage of oil towards sump & also avoids chances of seizure on minor axis.	<ul style="list-style-type: none"> Low oil consumption Longer life
5)	TIN PLATING: Entire surface of this piston is tin plated. Tin plating is a slippery coating which helps in avoiding metal to metal contact during initial run-in period.	<ul style="list-style-type: none"> Reduces friction Avoids piston scuffing
6)	SLIPPER DESIGN: Slipper design helps in reducing piston weight.	<ul style="list-style-type: none"> Improves fuel efficiency Low noise during engine working
7)	SCRAPPING CHAMFER: A smooth chamfer is provided at the bottom end of the piston skirt.	<ul style="list-style-type: none"> Helps in regulating oil supply, reduces skirt wear & hence longer life

TECHNICAL DATA – 'SUZUKI ACCESS 125cc NEW/ BURGMAN STREET' PISTON		
USHA CODE → NCS69		
Nominal Bore Diameter	mm	52.50
Piston Diameter	STD Size mm	52.468
Recommended Piston-Liner Clearance	mm	0.032
Compression Height	mm	18.00
Total Height	mm	34.50
Gudgeon Pin Length X OD	mm	33.50 X 12.00

PISTON RINGS:-

USHA 'Suzuki Access 125cc New/ Burgman Street' piston is supplied with a unique '3S VENT' ring set for low oil & fuel consumption. The technical details of '3S VENT' ring set are as under:

TECHNICAL DATA – 'SUZUKI ACCESS 125cc NEW/ BURGMAN STREET' – '3S VENT' RINGS						
Ring	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross Section
			(mm)	(Thou)		
Top	Steel Inside Bevel (HPIBCR)	0.80	0.08-0.20	03-08	Chrome Plating/ Parkerising	
Second	Steel Taper (HPT)	0.80	0.18-0.30	07-12	Parkerising	
Oil	RIKVENT	1.50	0.10-0.60 (Rails)	04-24	Chrome Plating on Rails/ Parkerising	

Above features make USHA 'Suzuki Access 125cc New/ Burgman Street' piston assembly unique, produced to give better performance & longer life.



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