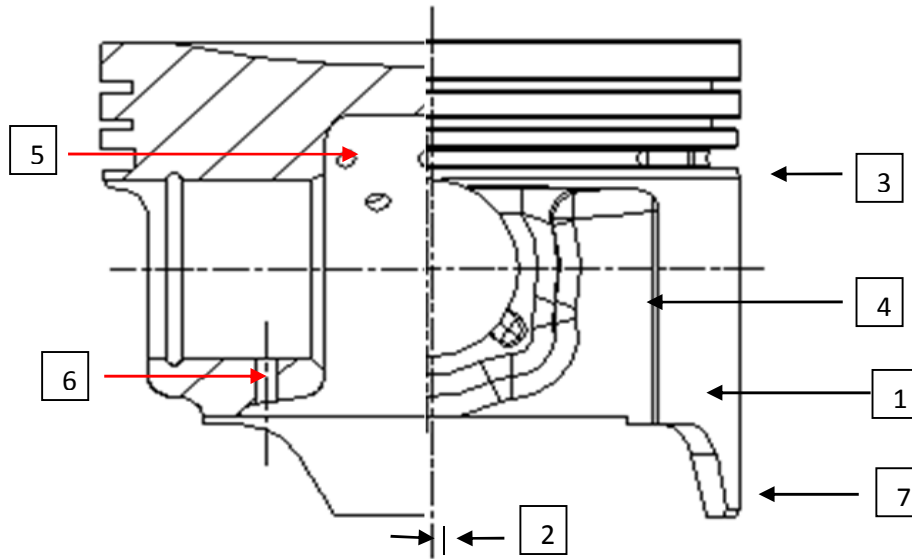


TECHNICAL BULLETIN- BAJAJ RE 205cc PISTON ASSEMBLY

USHA is pleased to introduce BAJAJ RE 205 cc ($\phi 61$) piston assembly in our range of three wheeler assemblies.

This piston assembly has following special features :-

PISTON



Unique features of BAJAJ RE 205cc piston are as follows:

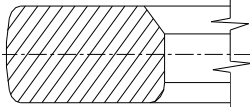
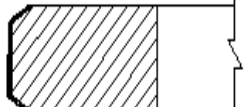
S.No.	SPECIAL FEATURES	BENEFITS TO CUSTOMERS
1)	PISTON FULLY TIN PLATED	<ul style="list-style-type: none"> • Tin plating provides better corrosion resistance & initial lubrication • Helps in avoiding piston scuffing
2)	PISTON- PIN BORE OFFSET: USHA RE 205 pistons are provided with a piston pin bore offset 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 smoothly & prevents slapping with liner.	<ul style="list-style-type: none"> • Reduced engine noise
3)	CHAMFER AT BOTTOM FLANK OF OIL RING GROOVE	<ul style="list-style-type: none"> • Low oil consumption • Helps in reducing piston skirt wear

4)	AS CAST RELIEF IN PIN BORE AREA: USHA RE 205 pistons are provided with as cast relief in pin bore area which helps in better drainage of oil.	<ul style="list-style-type: none"> • Less oil consumption
5)	OIL HOLES IN RING GROOVE	<ul style="list-style-type: none"> • Quick drainage of excess oil • Lesser oil consumption
6)	HOLES IN PIN BOSS	<ul style="list-style-type: none"> • To improve lubrication of pin
7)	SLIPPER DESIGN: Slipper Design in skirt helps in reducing piston weight & provides better guidance to the piston movement.	<ul style="list-style-type: none"> • Improved fuel efficiency • Better guidance to rings • Low noise during engine operation

TECHNICAL DATA- BAJAJ RE 205cc PISTON		
USHA CODE → S34		
Nominal Bore Diameter	mm	61.00
Piston Diameter	STD Size mm	60.987
Recommended Piston-Liner Clearance	mm	0.013
Compression Height	mm	22.00
Total Height	mm	45.50
Piston Pin- Pin Bore Clearance	mm	+0.004 to +0.0015 (Clearance Fit)

PISTON RINGS:

BAJAJ RE 205cc pistons are supplied with unique design HPVENT ring set for low oil & fuel consumption. The technical details of HPVENT ring set are as under :-

TECHNICAL DATA- BAJAJ RE 205cc RINGS						
Ring	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross Section
			(mm)	(Thou)		
Top	HPIBGN	1.0	0.10-0.25	4-10	Gas Nitrided	
Second	TSS	1.0	0.30-0.50	12-20	Chrome Plated/ Parkerised	
Oil Ring	RIKVENT	2.0	0.20-0.70 (Rails)	8-28	Chrome Plated/ Parkerised	