



SHRIRAM PISTONS & RINGS LTD.

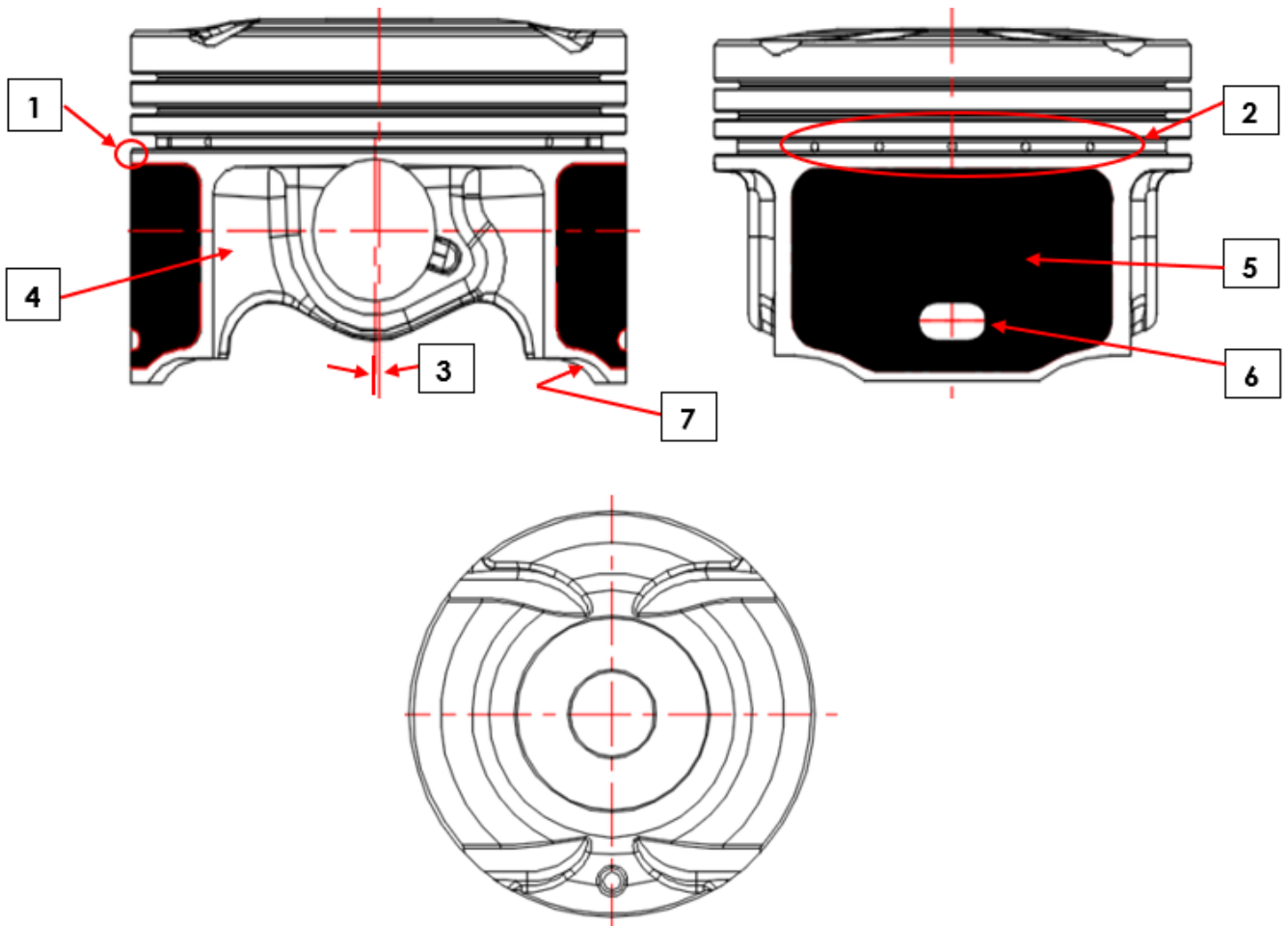
MD: TS: 63/MAR'25 INTRODUCTION CIRCULAR – **BAJAJ PULSAR 150 AS/NS 4V -PISTON ASSEMBLY**

USHA is pleased to launch '**BAJAJ PULSAR 150 AS/ NS 4V**' piston assembly in its aftermarket bi-wheeler product range.



This piston assembly has following special features: -

PISTON:-



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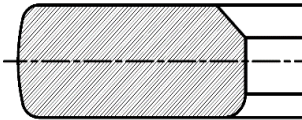

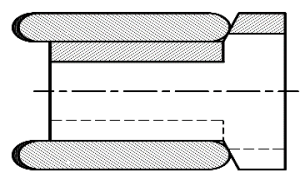
Unique features of USHA '**BAJAJ PULSAR 150 AS/ NS 4V**' piston are as follows: -

| 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"> Reduced 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) | 'Nano-friKS COATING' ON PISTON SKIRT: | <ul style="list-style-type: none"> Helps in initial lubrication & seizure free operation Better wear resistance Reduces engine noise |
| 6) | MEASURING POINTS ON PISTON SKIRT: | <ul style="list-style-type: none"> Provided for easy diameter verification |
| 7) | SLIPPER DESIGN: Slipper design helps in reducing piston weight. | <ul style="list-style-type: none"> Improves fuel efficiency Low noise during engine working |

| TECHNICAL DATA – ' BAJAJ PULSAR 150 AS/ NS 4V ' PISTON | |
|---|---------------|
| USHA Code → NCS63 | |
| Nominal Bore Diameter | 56.00 |
| Piston Diameter | 55.972 |
| Recommended Piston-Liner Clearance | 0.028 |
| Compression Height | 20.55 |
| Total Height | 35.55 |
| Gudgeon Pin Length X OD | 41.60 X 14.00 |
| All dimensions in 'mm' | |

PISTON RINGS:-

USHA '**BAJAJ PULSAR 150 AS/ NS 4V**' piston is supplied with a unique '**HPVENT**' ring set for low oil & fuel consumption. The technical details of '**HPVENT**' ring set are as under:

| TECHNICAL DATA – 'BAJAJ PULSAR 150 AS/ NS 4V' – '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 |  |
| Second | Special Steel Taper (TSS) | 0.80 | 0.30-0.45 | 12-18 | Parkerising |  |
| Oil | RIKVENT | 1.50 | 0.20-0.70 (Rails) | 08-28 | Chrome Plated Rails/ Parkerising |  |

Above features make USHA '**BAJAJ PULSAR 150 AS/ NS 4V**' piston assembly unique, produced to give better performance & longer life.



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