



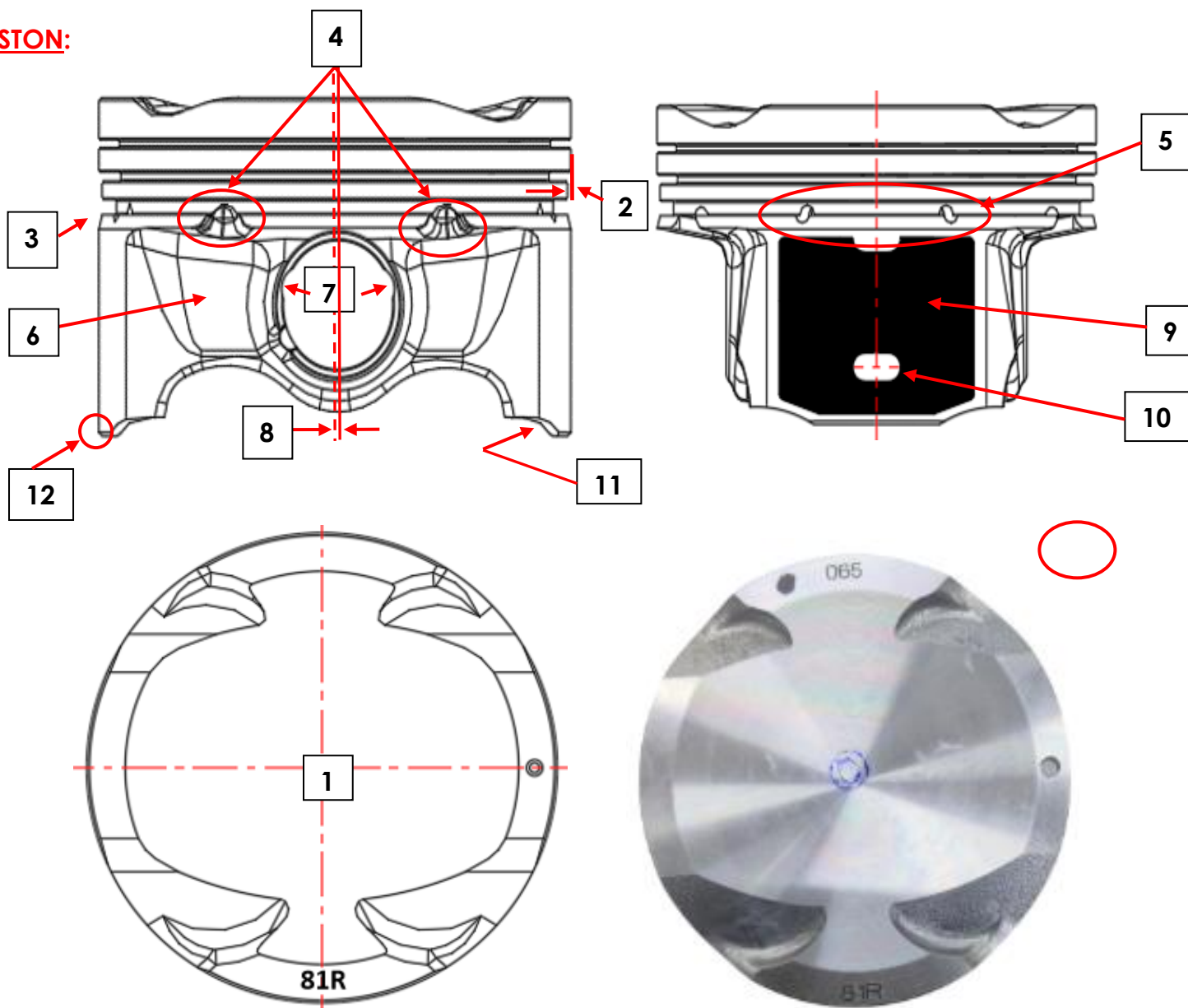
MD: TS: 20/AUG'25 INTRODUCTION CIRCULAR- **MARUTI CELERIO/ ALTO/ WAGON R K10C (P)- PISTON SET**

USHA is pleased to launch **MARUTI CELERIO/ ALTO/ WAGON R K10C (3 Cylinder) PETROL** piston set in its Car/ PV product range.



This piston set has following special features:

PISTON:



Unique features of this piston are as follows: -

| SL. NO. | SPECIAL FEATURE | BENEFITS TO CUSTOMER |
|---------|---|---|
| 1) | SHALLOW CAVITY: This piston crown is provided with a shallow machined cavity for an effective combustion. | <ul style="list-style-type: none"> • Lower emissions • Better fuel efficiency |
| 2) | CUT BACK IN 2ND RING LAND: This piston has a cut back in second ring land for better seating, stability & functioning of intermediate ring. | <ul style="list-style-type: none"> • Helps in controlling blow-by & reducing oil consumption |
| 3) | CHAMFER AT BOTTOM OF OIL RING GROOVE: This piston has an all-round chamfer 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 |
| 4) | QUICK OIL RETURN SLOTS (QORS): Two nos. of Quick Oil Return Slots (QORS) are provided on either side of piston above the pin bore, half in groove & half in window. | <ul style="list-style-type: none"> • Faster drainage of excess oil, hence low oil consumption |
| 5) | HOLES IN OIL RING GROOVE AREA: Two nos. of holes are provided on either side of piston, half in groove & half in window. | <ul style="list-style-type: none"> • Faster drainage of excess oil • Reduces oil consumption |
| 6) | AS CAST RELIEF IN PIN BORE AREA: This piston is provided with as cast relief in pin bore area which not only helps in faster drainage of oil towards sump but also in avoiding chances of seizure on minor axis. | <ul style="list-style-type: none"> • Low oil consumption • Longer life |
| 7) | PIN BORE BROACHING: Double broach is done on either side, at the upper portion of the pin bore. | <ul style="list-style-type: none"> • Relieves stress in pin bore • Improves pin bore lubrication |
| 8) | PISTON - PIN BORE OFFSET: Piston is 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 & BDC smoothly, that prevents slapping with liner. | <ul style="list-style-type: none"> • Reduced engine noise |
| 9) | '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 |
| 10) | MEASURING POINTS ON PISTON SKIRT: | <ul style="list-style-type: none"> • Provided for easy diameter verification |
| 11) | SLIPPER DESIGN: Slipper design helps in reducing piston weight. | <ul style="list-style-type: none"> • Improves fuel efficiency • Low noise during engine working |

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| 12) | SCRAPING 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 |
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| TECHNICAL DATA – ‘MARUTI CELERIO/ ALTO/ WAGON R K10C (P)’ PISTON | |
|--|---------------|
| USHA CODE → C57 | |
| Nominal Bore Diameter | 73.00 |
| Piston Diameter | 72.957 |
| Recommended Piston-Liner Clearance | 0.043 |
| Compression Height | 27.25 |
| Total Height | 44.50 |
| Piston Pin length X diameter | 43.30 X 17.00 |
| All dimensions are in ‘mm’ | |

A mark ‘**81R**’ is punched on crown of this piston for identification of this model.

Above features make USHA ‘**MARUTI CELERIO/ ALTO/ WAGONR K10C (P)**’ piston set unique, produced to give better performance & longer life.



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Shriram Pistons & Rings Ltd., 3rd Floor, Himalaya House, 23, Kasturba Gandhi Marg, New Delhi-110001
Tel: 011-46451100, 23315941, Email: tss@shrirampistons.com, Website: www.shrirampistons.com