



SHRIRAM PISTONS & RINGS LTD.

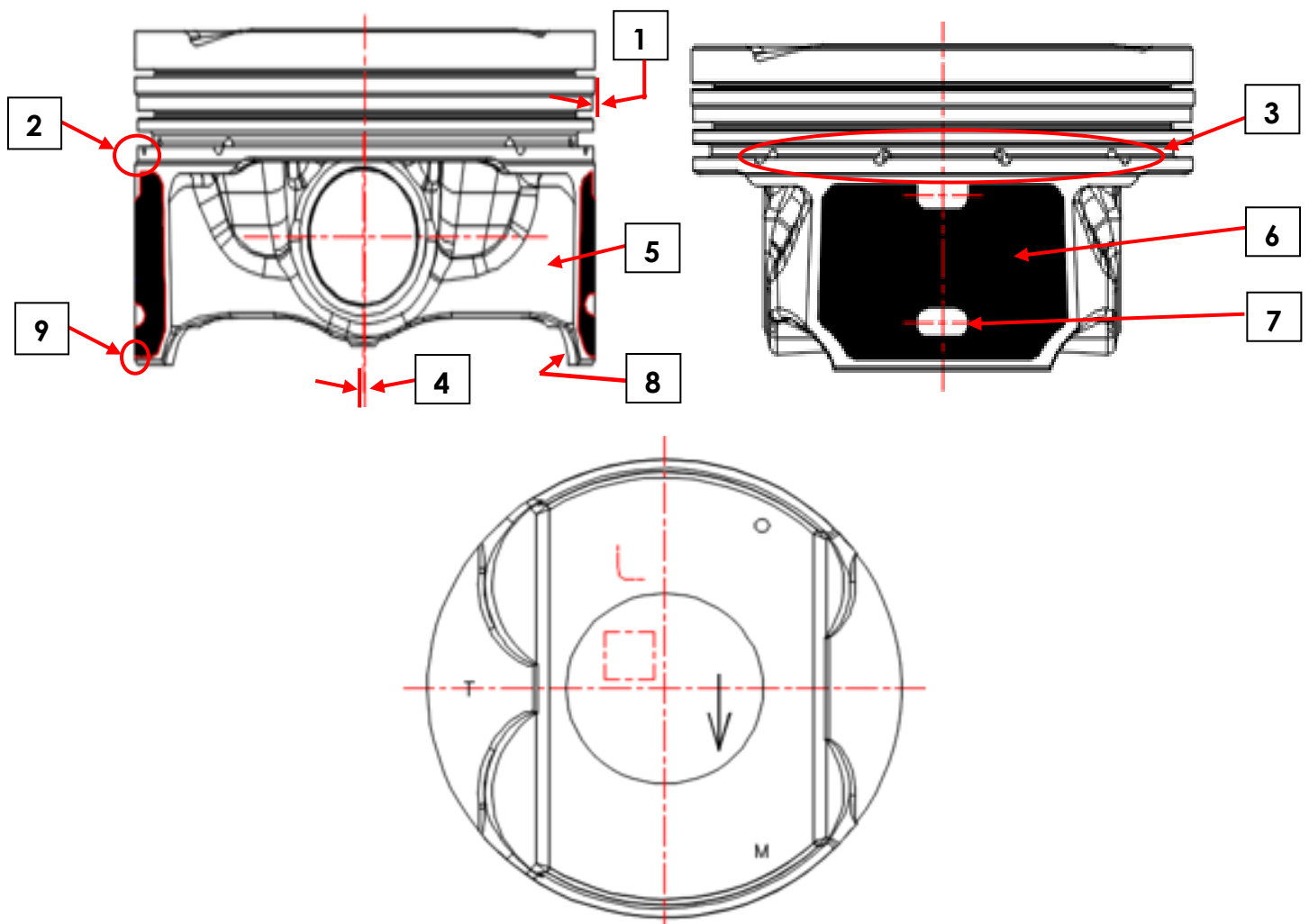
MD: TS: 64/MAR'25 INTRODUCTION CIRCULAR-TATA ALTROZ/ PUNCH/ TIAGO/ TIGOR 1.2L (P)- PISTON SET

USHA is pleased to launch **TATA ALTROZ/ PUNCH/ TIAGO/ TIGOR 1.2L (P)** piston set in its aftermarket Car/ PV product range.



This piston set has following special features: -

PISTON:-



Private & Confidential

Unique features of USHA **TATA ALTROZ/ PUNCH/ TIAGO/ TIGOR 1.2L (P)** piston are as follows: -

SL. NO.	SPECIAL FEATURE	BENEFITS TO CUSTOMER
1)	STEP CUT IN 1ST RING LAND: This piston has a step cut in first ring land for better seating, stability & functioning of top ring.	<ul style="list-style-type: none"> Helps in controlling blow-by
2)	'J' CUT: Piston has been provided with a unique 'J' cut 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
3)	HOLES IN OIL RING GROOVE AREA: 04 nos. of holes are provided in the oil ring groove on either side of piston skirt, half in skirt & half in ring groove.	<ul style="list-style-type: none"> Faster drainage of excess oil Reduces oil consumption
4)	PISTON-PIN BORE OFFSET: The piston is provided with a 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 liner.	<ul style="list-style-type: none"> Reduced engine noise
5)	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
6)	'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
7)	MEASURING POINTS ON PISTON SKIRT:	<ul style="list-style-type: none"> Provided for easy diameter verification
8)	SLIPPER DESIGN: Slipper design helps in reducing piston weight.	<ul style="list-style-type: none"> Improves fuel efficiency Low noise during engine working
9)	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

TECHNICAL DATA – TATA ALTROZ/ PUNCH/ TIAGO/ TIGOR 1.2L (P) PISTON (Ø 77.00 mm)	
USHA CODE→ C51	
Nominal Bore Diameter	77.00
Piston Diameter	76.96
Recommended Piston-Liner Clearance	0.04
Compression Height	27.30
Total Height	44.30
Gudgeon Pin Length X OD	46.90 X 18.00
All dimensions in 'mm'	

Above features make USHA **TATA ALTROZ/ PUNCH/ TIAGO/ TIGOR 1.2L (P)** piston set unique, produced to give better performance & longer life especially when fitted with USHA **'IPVENT'** ring set of subject model, released by us recently.



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