



SHRIRAM PISTONS & RINGS LTD.



MD: TS: 30/NOV'25

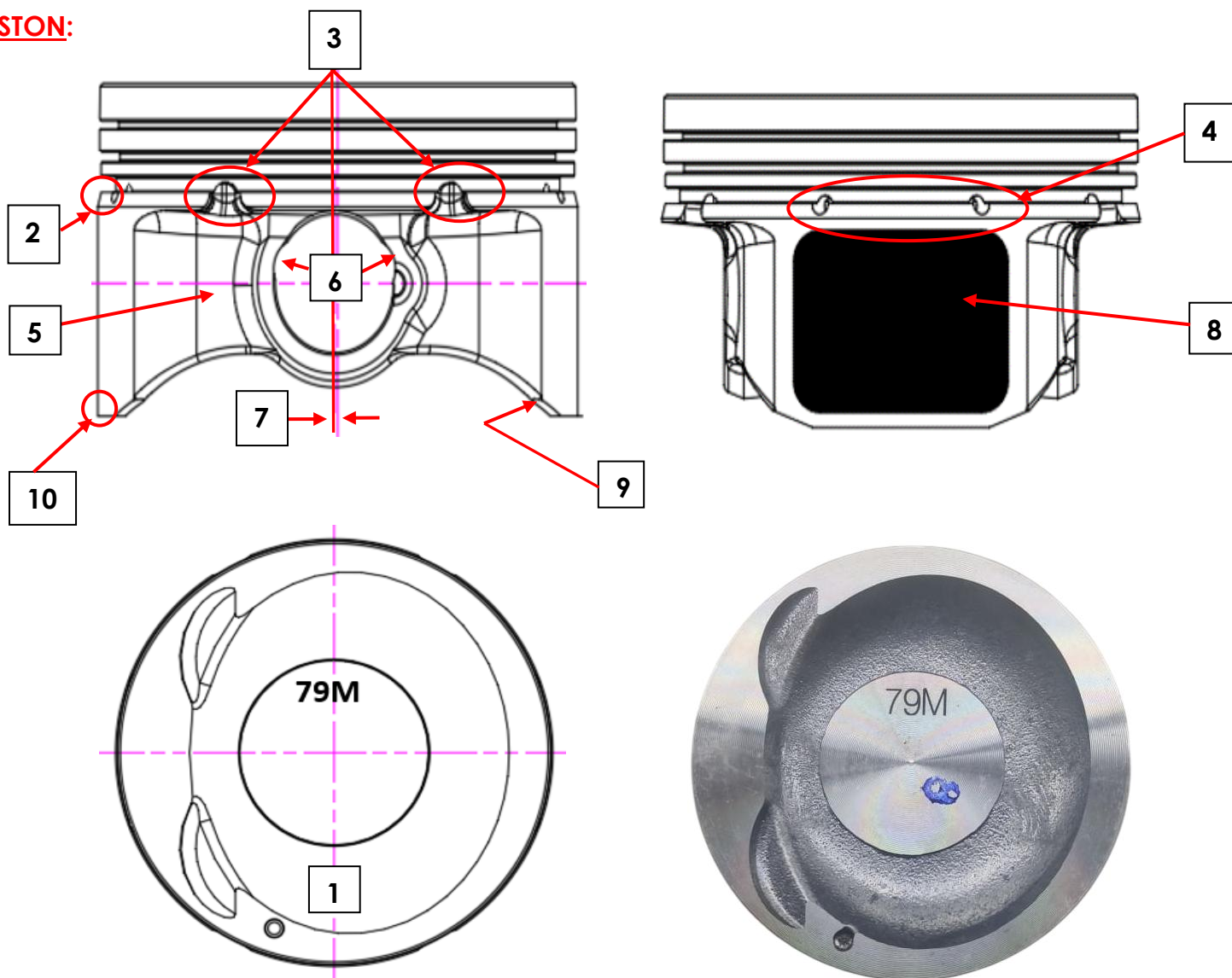
INTRODUCTION CIRCULAR – **MARUTI CIAZ 1.4L PETROL** - PISTON SET

USHA is pleased to launch '**MARUTI CIAZ 1.4L 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 cavity for an effective combustion.	• Lower emissions • Better fuel efficiency
2)	CHAMFER AT BOTTOM OF OIL RING GROOVE: This piston has an all-round chamfer just below the oil ring groove area.	• Provides all time lubrication to piston skirt • No piston seizure in extreme limits of normal working conditions
3)	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.	• Faster drainage of excess oil, hence low oil consumption
4)	HOLES IN OIL RING GROOVE AREA: Two nos. of holes are provided on either side of piston, half in groove & half in window.	• Faster drainage of excess oil • Reduces oil consumption
5)	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.	• Low oil consumption • Longer life
6)	PIN BORE BROACHING: Double broach is done on either side, at the upper portion of the pin bore.	• Relieves stress in pin bore • Improves pin bore lubrication
7)	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.	• Reduced engine noise
8)	'Nano-friKS COATING' ON PISTON SKIRT:	• Helps in initial lubrication & seizure free operation • Better wear resistance • Reduces engine noise
9)	SLIPPER DESIGN: Slipper design helps in reducing piston weight.	• Improves fuel efficiency • Low noise during engine working
10)	SCRAPING CHAMFER: A smooth chamfer is provided at the bottom end of the piston skirt.	• Helps in regulating oil supply, reduces skirt wear & hence longer life

TECHNICAL DATA – ‘MARUTI CIAZ 1.4L PETROL’ PISTON	
USHA CODE → C56	
Nominal Bore Diameter	73.00
Piston Diameter	72.95
Recommended Piston-Liner Clearance	0.05
Compression Height	26.04
Total Height	43.29
Piston Pin length X diameter	47.00 X 18.00
All dimensions are in ‘mm’	

A mark ‘**79M**’ is punched on crown of this piston for identification of this model.

Above features make USHA ‘**MARUTI CIAZ 1.4L PETROL**’ piston set unique, produced to give better performance & longer life, when fitted with ‘**MARUTI SWIFT/ D-ZIRE/ RITZ (P) HPVENT**’ ring set (USHA Code→ **C03**).



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