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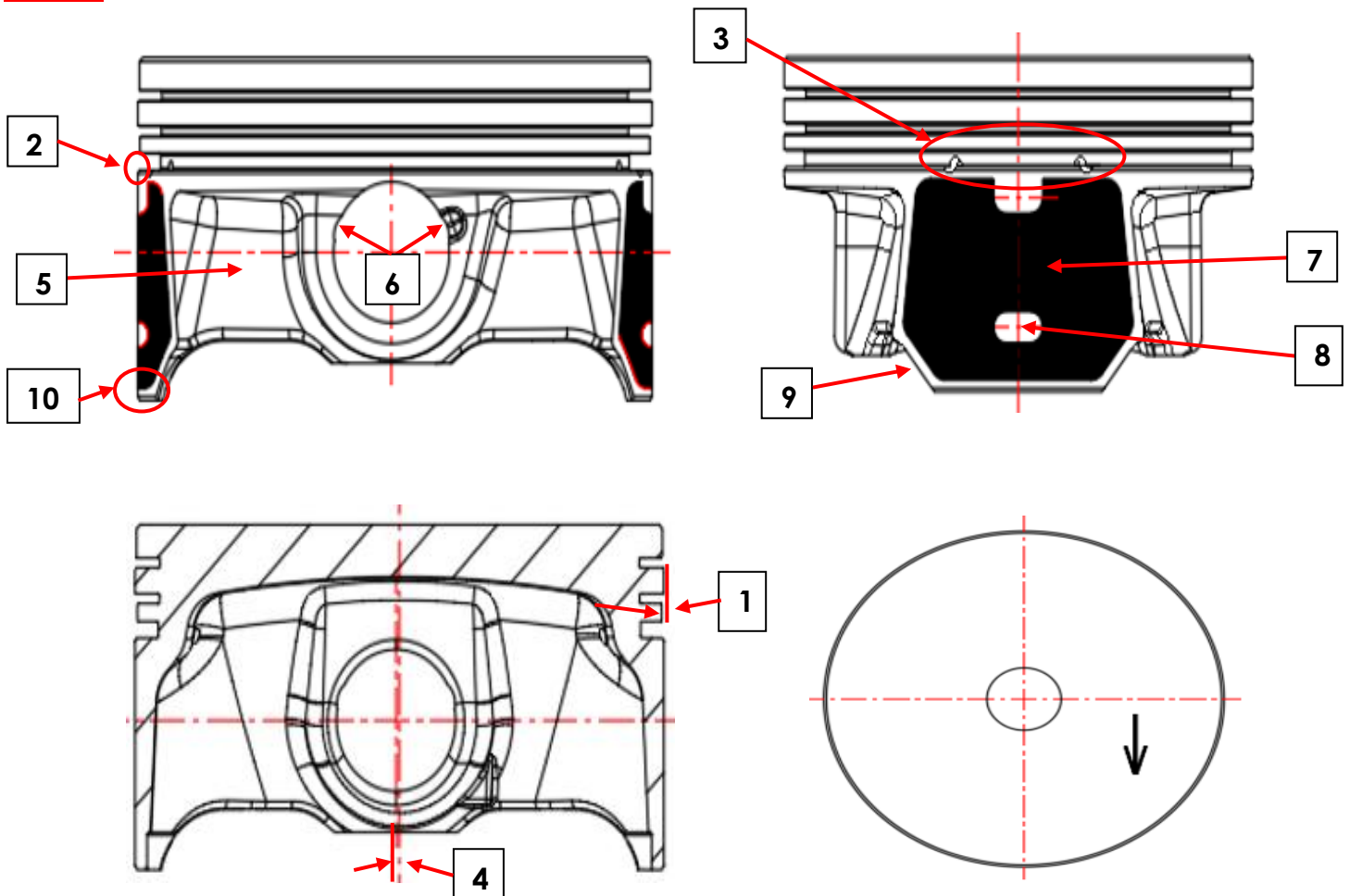
INTRODUCTION CIRCULAR – **TATA ACE GOLD CNG BS6 -PISTON SET**

USHA is pleased to launch **TATA ACE GOLD CNG BS6** piston set in its aftermarket SCV product range.



This piston set has following special features: -

PISTON:-



Unique features of USHA **TATA ACE GOLD CNG BS6** piston are as follows:

SL. NO.	SPECIAL FEATURE	BENEFITS TO CUSTOMER
1)	CUT BACK IN 2ND RING LAND: This piston has a cut back in second ring land for better seating, stability & functioning of intermediate ring.	Helps in controlling blow-by & reducing oil consumption
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)	HOLES IN OIL RING GROOVE AREA: 02 nos. of holes are provided on either side of piston, half in groove & half in window.	- 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.	Reduced engine noise
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)	'Nano-friKS COATING' ON PISTON SKIRT:	- Helps in initial lubrication & seizure free operation - Better wear resistance - Reduces engine noise
8)	MEASURING POINTS ON PISTON SKIRT:	Provided for easy diameter verification
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 – TATA ACE GOLD CNG BS6 PISTON (Ø 75.50 mm)	
USHA CODE→ C50	
Nominal Bore Diameter	75.50
Piston Diameter	75.45
Recommended Piston-Liner Clearance	0.050
Compression Height	23.50
Total Height	41.40
Gudgeon Pin Length X OD	51.40 X 17.00
All dimensions in 'mm'	

Above features make USHA **TATA ACE GOLD CNG BS6** piston set unique, produced to give better performance & longer life especially when fitted with USHA '**HPVENT**' ring set of subject model, released by us in March'2025.



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