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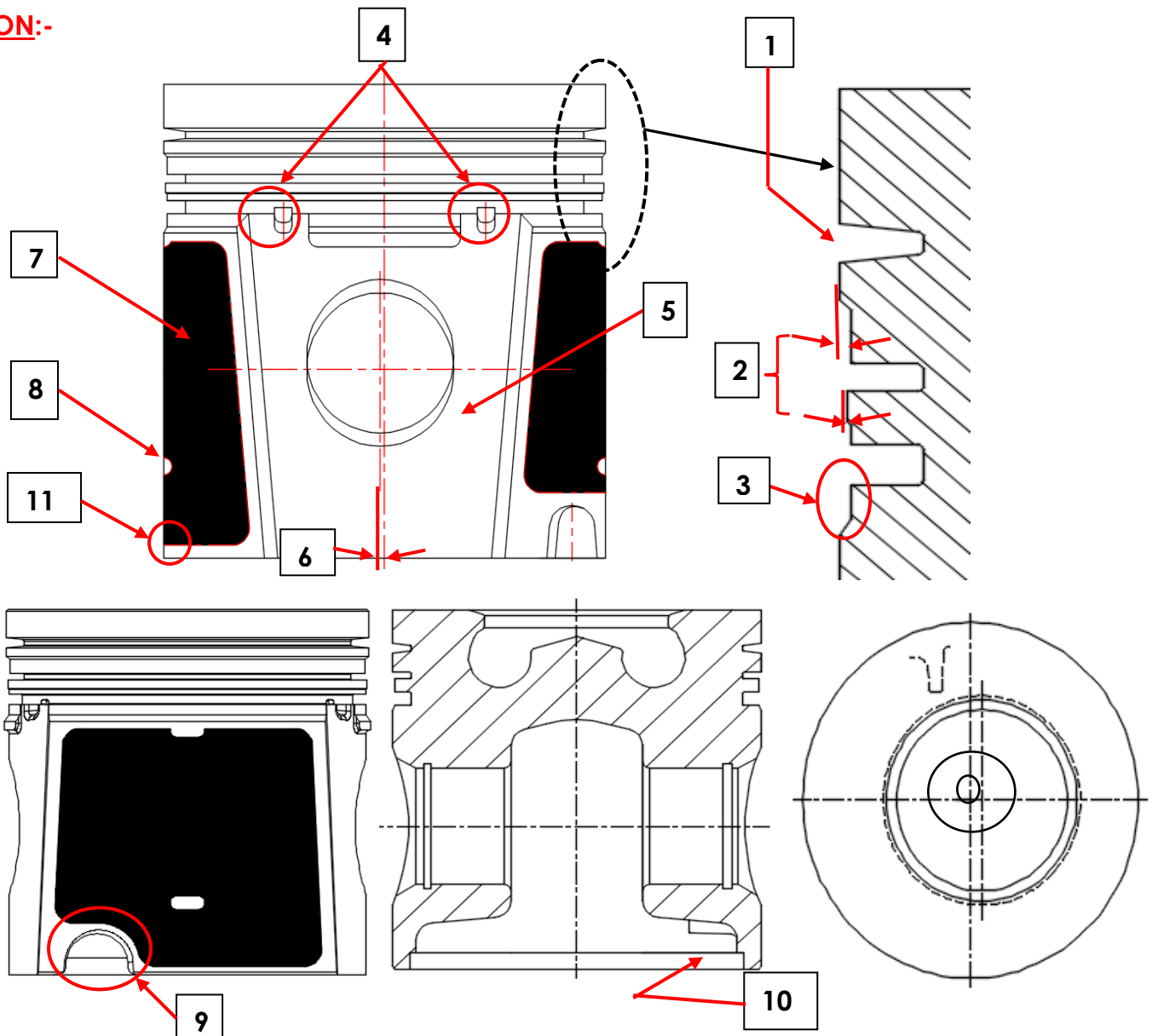
INTRODUCTION CIRCULAR – JCB 105 mm CMVR WT- PISTON SET

USHA is pleased to launch **JCB 105 mm CMVR WT** piston set in its aftermarket Construction Equipment/ Off-road product range.



This piston set has following special features: -

PISTON:-



Unique features of USHA **JCB 105 mm CMVR WT** piston are as follows: -

SL. NO.	SPECIAL FEATURE	BENEFITS TO CUSTOMER
1)	TOP KEYSTONE RING GROOVE GEOMETRY: Helps in squeezing out excess oil from the groove preventing carbon deposition & sludge formation.	Longer life of piston due to negligible wear of top groove
2)	CUT BACK IN 1st & 2nd RING LAND: This piston is provided with a cut back in first & second ring lands for better seating, stability & functioning of compression & intermediate rings.	Helps in controlling blow-by & reducing oil consumption
3)	'J' CUT: Piston has been provided with a unique 'J' cut below the oil ring groove area.	- 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.	Faster drainage of excess oil, hence low oil consumption
5)	AS CAST CONVERGENT WINDOW: This not only gives more space for oil drainage but the unique convergent type design also provides more bearing area to piston skirt, which helps in guiding piston rings' movement.	- Faster oil drainage, hence low oil consumption - Seizure on minor axis is avoided, hence longer piston life
6)	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.	Reduces engine noise
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)	SLOT FOR PISTON COOLING NOZZLE (PCN) JET: Provides room for oil cooling jet.	- Helps in directing oil flow underneath piston combustion cavity results in faster dissipation of engine temperature - Additional reduction in piston weight improves fuel efficiency

10)	SLIPPER DESIGN: Slipper design helps in reducing piston weight.	- Improves fuel efficiency - Low noise during engine working
11)	SCRAPPING 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 – JCB 105 mm CMVR WT PISTON	
USHA CODE→ TS0-T43	
Nominal Bore Diameter	105.00
Piston Diameter	104.87
Recommended Piston-Liner Clearance	0.13
Compression Height	65.00
Total Height	108.00
Gudgeon Pin Length X OD	85.10 X 35.00
All dimensions in 'mm'	

Above features make USHA **JCB 105 mm CMVR WT** piston set unique, produced to give better performance & longer life.



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