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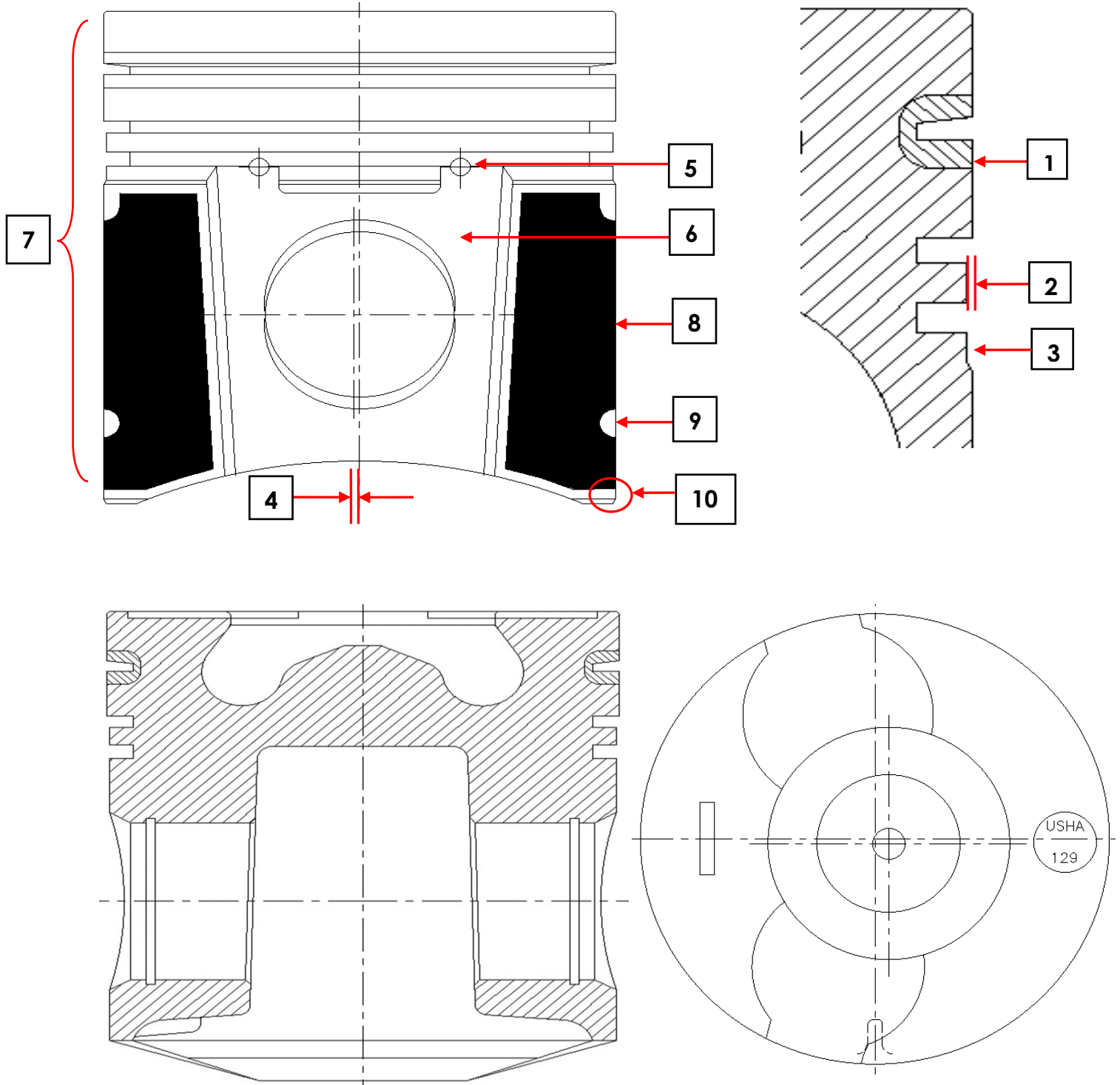
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An update from SHRIRAM PISTONS & RINGS LTD.

USHA[®] is pleased to introduce Sonalika 100Rx piston set in its Tractor product range.

This piston set has following special features:-

PISTON:-



Unique features of USHA SONALIKA 100Rx piston are as follows:-

Sl. No	SPECIAL FEATURE	BENEFITS TO CUSTOMER
1)	HIGH NICKEL WEAR RESISTANT RING CARRIER (RCP):- Top groove of this piston is made up of high nickel wear resistant ring carrier insert which is manufactured using latest centrifugal casting technology.	<ul style="list-style-type: none"> • Longer life of piston due to negligible wear of top groove
2)	CUT BACK IN RING LAND:- Cut back is provided in second ring land for better seating & stability of intermediate ring.	<ul style="list-style-type: none"> • Helps in controlling blow-by & reducing oil consumption
3)	'J' CUT:- This piston has been provided with a unique 'J' cut just below the oil ring groove area.	<ul style="list-style-type: none"> • 'J' cut provides all time lubrication to piston skirt • No piston seizure in extreme limits of normal working conditions
4)	PISTON PIN BORE OFFSET:- Piston pin bore offset is provided to avoid piston slap. 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"> • Reduces engine noise
5)	QUICK OIL RETURN SLOTS (QORS):- Two nos. of Quick Oil Return Slots (QORS) are provided on each side of the piston above the pin bore, half in groove & half in window.	<ul style="list-style-type: none"> • Quick drainage of oil, hence low oil consumption
6)	AS CAST CONVERGENT WINDOW:- This not only provides more space for oil drainage but the unique convergent type design also provides more bearing area to the piston skirt. More bearing area on skirt helps in well guided movement of piston rings.	<ul style="list-style-type: none"> • Faster oil drainage, hence low oil consumption • Seizure on minor axis is avoided, hence longer piston life
7)	PISTON SURFACE COMPLETELY BONDERISED:-	<ul style="list-style-type: none"> • Bonderising helps in preventing oxidation of piston • Also provides porous surface for oil retention, thereby reducing wear
8)	SKIRT WITH 'Nano-friKS' COATING:-	<ul style="list-style-type: none"> • 'Nano-friKS' permanent coating provides better wear resistance & helps in initial lubrication to avoid piston scuffing
9)	MEASURING POINTS ON SKIRT:-	<ul style="list-style-type: none"> • Provided for easy diameter verification
10)	BOTTOM CHAMFER:- A smooth chamfer is provided at the bottom end of the piston skirt which provides better hydrodynamic oil film.	<ul style="list-style-type: none"> • Helps in regulating oil supply, reduces skirt wear & hence improves piston life

Technical data of this piston set is as under:-

TECHNICAL DATA – SONALIKA 100Rx PISTON	
	USHA CODE → T36
Nominal Bore Diameter	100.00 mm
Piston Diameter (STD Size)	99.912 mm
Recommended Piston-Liner Clearance	0.088 mm
Compression Height	66.42 mm
Total Height	102.42 mm
Piston Pin Bore Diameter	35.00 mm
Piston Pin - Pin Bore Clearance	+0.009 mm to +0.015 mm (Clearance Fit)

USHA Sonalika 100Rx piston sets are designed for an excellent performance when fitted with matching rings.



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