

MD: TS: 14/2022

NOV'2021

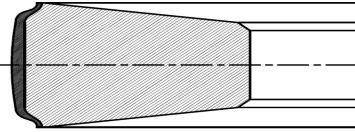
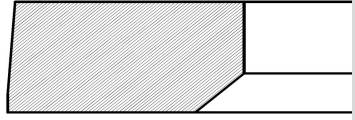
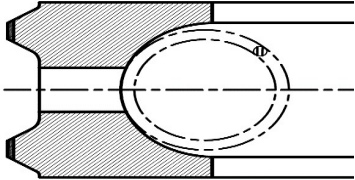
An update from SHRIRAM PISTONS & RINGS LTD.

USHA[®] is pleased to launch **SONALIKA 105 'SSTR'** ring set in its Tractor product range.

This ring set has following special features:

ITEM	CONFIGURATION	FEATURES	BENEFITS TO CUSTOMER
TOP RING	Keystone Special Steel Chrome (CRKSS)	Special Steel Material (RIK-20A)	Top ring is manufactured using special steel alloy (RIK-20A) which has properties similar to steel. This material has good elasticity and excellent resistance to twisting, breakage & wear.
		Keystone Geometry	Special keystone geometry keeps squeezing out excess oil from inside the groove, thereby prevents carbon deposition/ sludge formation.
		Chrome Coating	Outer periphery of the ring is chrome plated which provides excellent wear & scuff resistance.
		Parkerising	Side faces of the ring are parkerised to provide porous surface for oil retention resulting in better lubrication & lesser wear.
2 nd RING	Reverse Torsion (RT)	Taper face	Ring has a Taper on OD to provide line contact with liner resulting in higher wall pressure, hence better sealing.
		Inside bevel on lower face	Ring has a bevel cut on lower inside face due to which ring twists in anti-clockwise direction during suction stroke which locks the groove to avoid blow-by & upward movement of oil.
		Parkerising	Ring is fully parkerised to provide porous surface for oil retention resulting in better lubrication & lesser wear.
OIL RING	Spring Loaded Chrome Plated Cast Iron Profile Ground HPCR (PGV)	Highly Conformable	Ring is provided with a variable pitch coil spring making it highly conformable with the bore which ensures perfect sealing & excellent oil scrapping at all times.
		Chrome Plated & Profile Ground Ring Lands	Ring lands are made uniform throughout the periphery for an effective sealing and efficient scrapping of oil due to sharper edges. Chrome plating provides excellent wear & scuff resistance.
		Parkerising	Ring is parkerised to provide porous surface on side faces for oil retention & lesser wear.

Technical data of **SONALIKA 105 'SSTR'** ring set is as under:

TECHNICAL DATA- SONALIKA 105 'SSTR' RING SET (Ø 105.00 mm)						
USHA Code → T37						
Ring	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross Section
			(mm)	(Thou)		
Top	CRKSS	3.00	0.30-0.50	12-20	Chrome Plating/ Parkerising	
Second	RT	2.50	0.60-0.80	24-32	Parkerising	
Oil Ring	HTCR (PGV)	4.00	0.30-0.55	12-22	Chrome Plated lands/ Parkerising	

USHA® SONALIKA 105 'SSTR' ring set is specially designed to reduce oil consumption & blow-by for an excellent performance.



Technical Product News is an exclusive update of product & information from
 Shriram Pistons & Rings Ltd., 3rd Floor, Himalaya House, 23, Kasturba Gandhi Marg, New Delhi-110001
 Tel: 011-46451100, 23315941, Email: tss@shrirampistons.com, Website: www.shrirampistons.com