



SHRIRAM PISTONS & RINGS

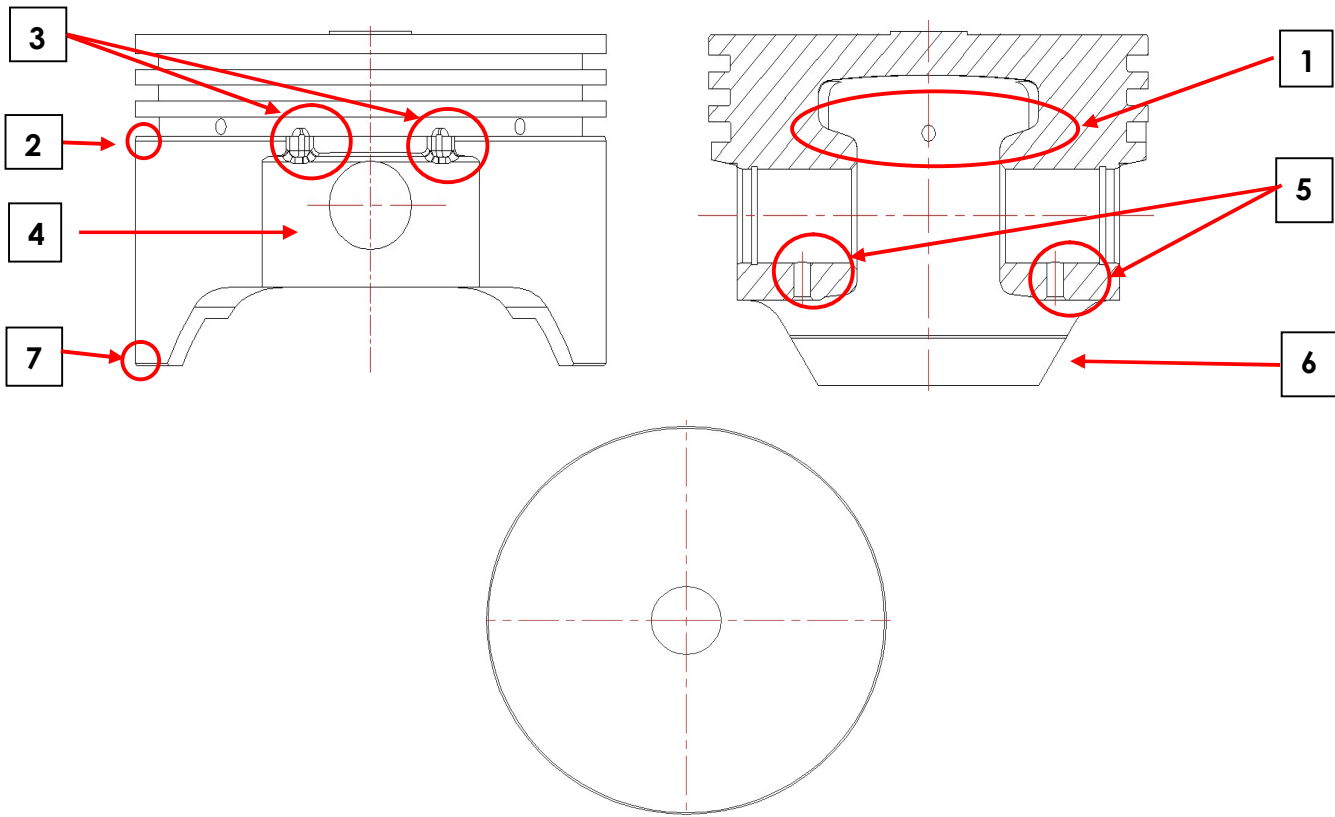
MD: TS: 28/FEB'23

INTRODUCTION CIRCULAR – **SUNDARAM CLAYTON AIR COMPRESSOR 80 mm LW – PISTON SET**

USHA is pleased to launch **Sundaram Clayton Air Compressor 80 mm Light Weight (LW)** piston set in its air compressor product range.

This piston set has following special features:

PISTON:



Unique features of USHA '**Sundaram Clayton 80 mm Air Compressor LW**' piston are as follows: -

SL. NO.	SPECIAL FEATURE	BENEFITS TO CUSTOMER
1)	HOLES IN OIL RING GROOVE AREA: USHA Sundaram Clayton 80 mm Air Compressor LW piston has been provided with 03 nos. of holes in the oil ring groove on either side of piston skirt.	<ul style="list-style-type: none"> • Faster drainage of excess oil • Reduced oil consumption
2)	CHAMFER AT BOTTOM OF OIL RING GROOVE: This piston has an all-round chamfer just below the oil ring groove area.	<ul style="list-style-type: none"> • Provides all time lubrication to piston skirt
3)	QUICK OIL RETURN SLOTS (QORS): Two nos. of Quick Oil Return Slots (QORS) are provided on either side of the piston above pin bore, half in the groove & half in window.	<ul style="list-style-type: none"> • Quick drainage of oil, hence low oil consumption

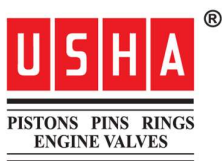
4)	AS CAST WINDOW: This piston has 'as cast' window design which provides more space for oil drainage & more bearing area for piston skirt.	<ul style="list-style-type: none"> • Low oil consumption
5)	OIL HOLES IN PIN BOSS: A hole is provided on each of the pin bosses.	<ul style="list-style-type: none"> • Improves pin-pin bore lubrication, thereby reducing wear • Longer piston life
6)	SLIPPER DESIGN: This piston is provided with Slipper design which helps in reducing weight.	<ul style="list-style-type: none"> • Low weight • Reduced wear
7)	SCRAPPING CHAMFER: A smooth chamfer is provided at the bottom end of the piston skirt.	<ul style="list-style-type: none"> • Helps in regulating oil supply, reduces skirt wear & hence longer life

TECHNICAL DATA – 'SUNDARAM CLAYTON 80 mm AIR COMPRESSOR LW' PISTON		
		USHA CODE → H24
Nominal Bore Diameter	mm	80.0
Piston Diameter	STD Size mm	79.95
Recommended Piston-Liner Clearance	mm	0.05
Compression Height	mm	27.0
Total Height	mm	52.30
Piston Pin length X diameter	mm	62.0 X 14.0

APPLICATIONS	
OEMs	Models
Ashok Leyland	Hino W06D/06E, Hino W06DTI E-I & II, Hino W06DTI-E-II PCN, Hino W06DTI BS-II (97 KW), Hino W06ETI E-II, Hino BS3 A & B Platforms, Hino H6A 180 HP BS-III/ IV, Hino 160 KVA BS-IV
Tata Motors Ltd.	Cummins E-I
Swaraj Mazda Ltd.	All LCV models
Eicher Volvo CVs	All HCV & LCV models except fitted with Cummins engine
MAN Trucks	All models
BharatBenz	All LCV models

Above features make USHA 'Sundaram Clayton 80 mm Air Compressor LW' piston set unique, produced to give better performance & longer life.

This piston set is interchangeable with our existing **80 mm (3R)** air compressor piston. Our existing ring sets i.e. 80 mm (3R) 'RIKVENT' & 'HTPL' (USHA Code: **H05**) are also compatible with new **LW** piston.



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