



## SHRIRAM PISTONS & RINGS

MD: TS: 03/AUG'22

INTRODUCTION CIRCULAR – **LEYLAND DOST (DIESEL) – 'CPC' RING SET**

USHA is pleased to launch **Leyland Dost (Diesel) 'CPC'** Ring set in its SCV product range.

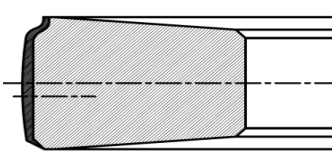
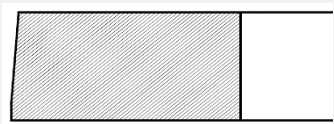
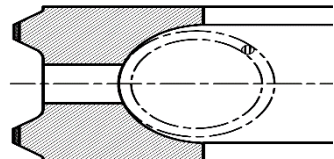


This ring set has following special features:

ITEM	CONFIGURATION	FEATURES	BENEFITS TO CUSTOMER
Top Ring	Keystone Special Steel CPC (KSSCPC)	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.
		CPC Coating	CPC is a specialized process of first plating the ring OD with chrome, then creating cracks, then filling up hard particles ( $Al_2O_3$ ) in these cracks. This process is repeated many times building one layer above another. CPC rings have higher wear & scuff resistance under all working conditions.
2 <sup>nd</sup> Ring	Taper (T)	Taper face	Ring has a Taper on OD to provide line contact with liner resulting in higher wall pressure, hence better sealing.
		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 HTCR (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 **Leyland Dost (Diesel)** ring set is as under:

TECHNICAL DATA- <b>LEYLAND DOST (DIESEL) 'CPC'</b> - RING SET (Ø 80.00 mm)						
						USHA Code → <b>C28</b>
Ring	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross Section
			(mm)	(Thou)		
Top	Special Steel Keystone CPC	2.50	0.20-0.35	08-14	Composite Plating of Chrome	
2 <sup>nd</sup>	Taper	2.00	0.80-1.00	32-40	Parkerising	
Oil	HTCR (PGV)	3.00	0.25-0.45	10-18	Parkerising	

USHA **Leyland Dost (Diesel) 'CPC'** ring set is suitable for BS III, IV & VI variants and is specially designed to reduce oil consumption & blow-by for an excellent performance.



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