

TECHNICAL BULLETIN - RENAULT K9K 1.5 L “DVM” RING SET

USHA is pleased to introduce **Renault K9K 1.5 L/ Mahindra Logan “DVM”** ring set in our Car product range.

This ring set is applicable for different vehicles namely:

Renault Duster/ Fluence/ Scala/ Lodgy, Nissan Sunny/ Micra/ Terrano/ Evalia - Oil Cooling Gallery (OCG) piston models

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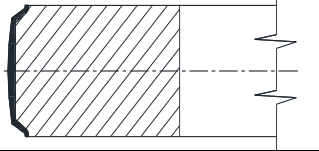
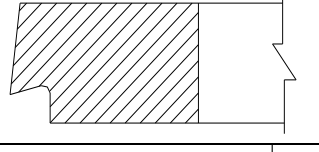
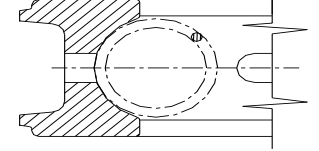
Mahindra Logan/ Verito, Renault Pulse, AL Stile- Non-OCG piston models.

This ring set has following special features:

ITEM	CONFIGURATION	FEATURES	Benefits to Customer
TOP RING	Spl. Steel Chrome Ring	Spl. Steel Material (RIK-20A)	Top ring is made of special alloy (RIK-20A) which has properties similar to steel. This material has high elasticity, excellent resistance to twisting & breakage.
		Chrome Plating	Outer face of ring is Chrome plated which provides excellent wear & corrosion resistance.
		Parkerising	Ring is parkerised to provide porous surface on side faces for oil retention resulting in better lubrication & hence lesser wear.
2nd RING	Taper Napier Ring	Taper face	Ring has Taper on OD to provide line contact with the liner resulting in higher wall pressure & hence better sealing.
		Scraper Notch	Notch at the bottom outer face of the ring facilitates better oil control through scrapping and restricting its upward movement.
		Parkerising	This ring is also parkerised to provide porous surface for oil retention resulting in better lubrication & hence lesser wear.
OIL RING	Diesel Vent-M (DVM) Oil Ring	Stainless Steel material	Ring is made of Stainless steel which is having higher wear resistance under all working conditions.
		Gas Nitrided (GN)	The ring is gas nitrided on all surfaces to provide wear resistance, whereas in other oil control rings only lands are chrome plated.
		High Conformability	This ring is highly conformable and hence adjusts itself according to bore wear for oil scavenging.

		Sharp Scraping Ring Lands	The sharp scraping lands with high wall pressure ensure better scraping of oil and hence lower oil consumption.
		Multiple Oil Drainage Slots	Ensures faster oil drainage.
		Excellent Flatness	Side faces of DVM oil ring remain flat and do not swell as in case of cast iron oil ring for a free movement in the groove.
		Light in weight	Ring is lighter in weight than ordinary cast iron oil rings which reduces fluttering of DVM ring. Less fluttering avoids pumping up of oil and thereby reducing oil consumption.

Technical data of Renault K9K 1.5 L “DVM” ring set is as under:

TECHNICAL DATA- RENAULT K9K 1.5 Lt.- DVM RINGS (ø 76 mm)						
USHA Code- C19						
Ring	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross Section
			(mm)	(Thou)		
Top	Spl. Steel Chrome	2.00	0.25-0.40	10-16	OD Chrome & Parkerised	
Second	Taper Napier	2.00	0.35-0.55	14-22	Parkerised	
Oil Ring	DVM	2.50	0.20-0.45	8-18	Gas Nitriding	

Renault K9K 1.5 L “DVM” ring set is especially designed for low oil consumption & blow-by.