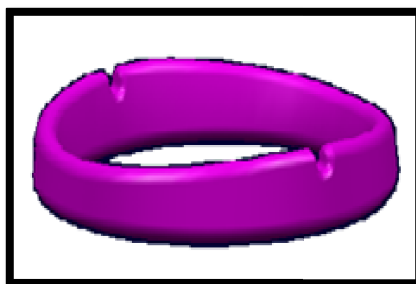


TECHNICAL BULLETIN- TATA INDIGO MANZA/FIAT LINEA (90 PS) PA KIT

USHA is pleased to introduce **TATA INDIGO MANZA/FIAT LINEA (90 PS)** piston assembly kit in our CAR product range.



Oil Cooling Gallery (OCG)



This piston is provided with a through **Oil Cooling Gallery (OCG)** made with the help of a **salt core** during casting process. During working, engine oil circulates through cooling gallery & takes away the heat especially from combustion bowl and ring zone.

USHA is supplying this PA kit in an attractive single cylinder packing applicable for following vehicle engines:

1. Tata Indigo Manza - 90 HP	7. Maruti SX4
2. Tata Indica Vista D90	8. Maruti Ertiga
3. Tata Zest	9. Maruti S-Cross 1.3L
4. Fiat Punto Evo	10. Maruti Vitara Brezza
5. Fiat Linea	11. Maruti Ciaz
6. Fiat Grande	

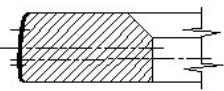

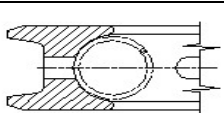
Technical data of **TATA INDIGO MANZA/ FIAT LINEA (90 PS)** Piston and Ring set is as under:

PISTON:

TECHNICAL DATA- PISTON		USHA Code-C21
Nominal Bore Diameter (mm)		69.60
Piston Diameter (mm)		69.55, 69.56, 69.57
Piston to Liner Clearance (mm)		0.50
Compression Height (mm)		40.43
Total Height (mm)		63.43
Pin Diameter X Length (mm)		23.00 X 56.80
Surface Treatment		Piston fully Bonderised with skirt Nanofriks coated

PISTON RINGS:

USHA is supplying **IP DVM** ring set with TATA Indigo Manza/ Fiat Linea PA kit for low oil consumption, minimum blow-by & to get optimum performance.

TECHNICAL DATA- RINGS					USHA Code-C21	
Ring	Ring Configuration	Axial Thickness (mm)	Closed Gap		Surface Treatment	Cross-Section
			(mm)	(Thou)		
Top	Steel Inside Bevel	1.75	0.18-0.28	07-11	Ion Plating	
Second	Taper	1.5	0.70-0.85	28-34	Parkerised	
Oil Ring	DVM	2.0	0.20-0.40	08-16	Gas Nitrided	

CYLINDER LINER:

Cylinder liner is made from Cast Iron material using latest Centrifugal casting process having good castability, machinability and superior surface finish for better performance, minimum oil consumption, blow by & friction etc.