



SHRIRAM PISTONS & RINGS

CAR RANGE - PISTON SET & RING SET

SI No	Engine/Model	Piston type	USHA Code	No. Of Cyl.	Cyl. Dia (mm)	Clearance (mm)	Ring type	Ring Configuration	Nos/ Cyl.	Axial Thickness (mm)	Closed Gap (mm)	Sizes Avl.
1	FORD FIGO 1.4L (DV4) DIESEL	RCP	C10	4	73.70	0.045	CPC DVM	KSSCPC RT DVM	1 1 1	2.50 1.95 2.50	0.20-0.35 0.90-1.10 0.20-0.40	STD
2	HYUNDAI SANTRO 1.0L PETROL	CONV	C01	4	66.00	0.024	HPVENT	HPGN T RIKVENT	1 1 1	1.20 1.20 2.50	0.12-0.27 0.25-0.40 0.20-0.70*	STD 0.25
3	HYUNDAI SANTRO 1.1L XING eRLX PETROL	CONV	C04	4	67.00	0.030	HPVENT	HPIBGN TOS RIKVENT	1 1 1	1.20 1.20 2.00	0.15-0.30 0.25-0.40 0.20-0.70*	STD
4	HYUNDAI ACCENT PETROL	NA	C20	4	75.50	NA	HPVENT	HPCRI T RIKVENT	1 1 1	1.50 1.50 3.00	0.15-0.30 0.35-0.55 0.20-0.70*	STD
5	HYUNDAI i20/ VERNA 1.4L DIESEL	NA	U/D	3/4	75.00	NA	SUPER DVM	HPIBGN TISS DVM	1 1 1	1.75 1.75 3.00	0.20-0.35 0.30-0.45 0.20-0.40	STD
6	HYUNDAI ACCENT CRDi DIESEL	NA	C05	3	83.00	NA	DVM	CRKSS CRRT DVM	1 1 1	2.00 2.00 3.00	0.25-0.40 0.30-0.50 0.20-0.40	STD
7	MARUTI 1000cc/ GYPSY PETROL	NA	108	4	65.50	NA	HPVENT	HPGN T RIKVENT	1 1 1	1.50 1.50 2.80	0.15-0.30 0.15-0.35 0.20-0.70*	STD 0.25 0.50
8	MARUTI 800cc CAR/ VAN PETROL	CONV	104	3	68.50	0.050	HPVENT	HPGN T RIKVENT	1 1 1	1.50 1.50 2.80	0.15-0.30 0.10-0.30 0.20-0.70*	STD 0.25 0.50

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9	MARUTI 800cc MPFi/ ALTO LX PETROL	CONV	105	3	68.50	0.050	HPVENT	HPGN	1	1.20	0.12-0.26	STD
10	MARUTI WAGON R/ ALTO VX/ ZEN ESTILO PETROL			4				T	1	1.50	0.12-0.26	0.50
								RIKVENT	1	2.50	0.20-0.70*	0.75
11	MARUTI ALTO 800cc (YE-3) PETROL	CONV	C18	3	68.50	0.025	HPVENT	HPIBGN TOS RIKVENT	1 1 1	1.20 1.20 2.00	0.12-0.26 0.30-0.50 0.20-0.50*	STD
12	MARUTI ALTO 800cc NEW (YE-3) MC (2017 onwards) PETROL	CONV	C26	3	68.50	0.018	IPVENT	HPIBIP HPTOS RIKVENT	1 1 1	1.00 1.00 2.00	0.14-0.28 0.30-0.50 0.20-0.50*	STD
13	MARUTI EECO PETROL	CONV	C15	4	71.00	0.020	HPVENT	HPIBGN TOS RIKVENT	1 1 1	1.20 1.20 2.00	0.15-0.30 0.20-0.35 0.20-0.70*	STD
14	MARUTI ZEN PETROL	NA	103	4	72.00	NA	HPVENT	HPIBGN N(I) RIKVENT	1 1 1	1.20 1.50 2.80	0.15-0.30 0.20-0.35 0.20-0.70*	STD 0.25 0.50

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15	MARUTI SWIFT/ D-ZIRE/ RITZ PETROL 1200cc (K12M)	CONV	C03	4	73.00	0.025	HPVENT	HPIBGN TOS RIKVENT	1 1 1	1.00 1.20 2.00	0.15-0.28 0.28-0.41 0.20-0.50*	STD
16	MARUTI A-STAR/ ALTO K-10 PETROL	CONV	C23	3		0.025						
17	MARUTI CELERIO/S-PRESSO/ WAGON R PETROL	CONV	C33			0.010						
18	MARUTI SWIFT/ IGNIS/ BALENO/ WAGON R (2014 onwards) PETROL	CONV	C30	4	73.00	0.010	HPVENT	HPIBGN TOS RIKVENT	1 1 1	1.00 1.20 2.00	0.15-0.28 0.28-0.41 0.10-0.40*	STD
19	MARUTI SWIFT/ D-ZIRE PETROL (2020 onwards)	CONV	C32	4	73.00	0.017	IPVENT	HPIBIP TOS RIKVENT(IP)	1 1 1	1.00 1.20 2.00	0.15-0.28 0.28-0.41 0.20-0.50*	STD
20	MARUTI ESTEEM 1300cc PETROL	NA	109	4	74.00	NA	HPVENT	HPGN T RIKVENT	1 1 1	1.20 1.50 2.80	0.15-0.30 0.20-0.35 0.20-0.60*	STD 0.25 0.50
21	MARUTI ESTEEM MPFI 4V/ SWIFT D-ZIRE 1300cc PETROL	NA	110	4	74.00	NA	HPVENT	HPIBGN N(I) RIKVENT	1 1 1	1.20 1.20 2.50	0.15-0.30 0.20-0.35 0.20-0.60*	STD 0.25 0.50
22	MARUTI ERTIGA/ BREZZA/ CIAZ 1.5L PETROL (2018 onwards)	CONV	C31	4	74.00	0.010	HPVENT	HPIBGN TOS RIKVENT	1 1 1	1.00 1.20 2.00	0.15-0.25 0.25-0.38 0.10-0.40*	STD
23	MARUTI BALENO 1600cc PETROL	NA	106	4	75.00	NA	HPVENT	HPIBGN N(I) RIKVENT	1 1 1	1.20 1.20 2.50	0.20-0.30 0.20-0.35 0.20-0.70*	STD 0.25 0.50

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24	RENAULT DUSTER/ MAHINDRA LOGAN/ NISSAN MICRA K9K 1.5L DIESEL	NA	C19	4	76.00	NA	DVM	CRSS	1	2.00	0.25-0.40	STD	
								N	1	2.00	0.35-0.55		
								DVM	1	2.50	0.20-0.45		
25	TATA INDICA VISTA QUADRAJET (75 PS) DIESEL	RCP	C07	4	69.60	0.050	IPDVM	HPIB (PVD)	1	1.50	0.18-0.28	STD	
								T	1	1.50	0.70-0.85		
								DVM	1	2.00	0.20-0.40		
		NA				NA	IPDVM 'THICK' #	HPIB (PVD)	1	2.00	0.20-0.35	STD	
								T	1	1.50	1.15-1.35		
								DVM	1	2.00	0.20-0.40		
CPC 'THICK' #	SSCPC	1	2.00	0.20-0.35	STD								
		T	1	1.50		1.15-1.35							
		DHCR(PGV)	1	2.00		0.25-0.50							
26	TATA INDIGO MANZA/ FIAT LINEA (90 PS) DIESEL	RCP	C21	4	69.60	0.050	IPDVM	HPIB (PVD) RT	1	2.00	0.18-0.28	STD	
								DVM	1	1.50	0.70-0.85		
								DVM	1	2.00	0.20-0.40		
27	TATA INDICA DIESEL	RCP	122	4	75.00	0.060	SUPER DVM	HPGN	1	2.00	0.15-0.30	STD	
								T	1	2.00	0.15-0.30		
								DVM	1	3.00	0.15-0.35		
							SSTR	CRSS	1	2.00	0.15-0.35	STD STD1	
									T	1	2.00		0.15-0.35
									HPCR (PGV)	1	3.00		0.25-0.45
							MOLY PLUS SSM	MOSS	1	2.00	0.20-0.40	STD	
									T	1	2.00		0.25-0.35
									HPCR (PGV)	1	3.00		0.25-0.45
							CPC	SSCPC	1	2.00	0.20-0.40		
									T	1	2.00		0.15-0.35
									HPCR (PGV)	1	3.00		0.25-0.45

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RING SET COMPATIBLE WITH COMPETITOR'S PISTON ONLY



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28	TATA INDICA PETROL/CNG	CONV	C06	4	75.00	0.035	HPVENT	HPGN	1	1.20	0.15-0.30	STD
			C13 W/out coating					TSS	1	1.50	0.15-0.30	
29	TATA INDIGO DIESEL	RCP	C02	4	75.00	0.070	MOLY PLUS	KMOSS	1	2.50	0.20-0.40	STD
								T	1	2.00	0.35-0.55	
								HTCR(PGV)	1	3.00	0.25-0.45	
								SSTR	CRKSS	1	2.50	
T	1	2.00	0.35-0.55									
HTCR (PGV)	1	3.00	0.25-0.45									
30	VOLKSWAGEN POLO DIESEL	NA	C22	3/4	79.50	NA	STCR	HPCR	1	1.75	0.20-0.40	STD
								RT	1	2.00	0.25-0.50	
								HTCR (PGV)	1	3.00	0.25-0.50	

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CAR RANGE - PA KIT

Sl No	Engine/Model	Piston type	USHA Code	No. Of Cyl. (per pack)	Cyl. Dia.	Clearance (mm)	Ring type	Cylinder Liner			
								Outer Dia. (mm)	Total length (mm)	Collar Dia. (mm)	Collar Width (mm)
1	HYUNDAI SANTRO 1.1L XING eRLX	CONV	C04	1	67.00	0.03	HPVENT	69.45	110.00	70.05	4.90
2	MARUTI 800cc CAR/VAN	CONV	104	3	68.50	0.05	HPVENT	71.12 71.50 71.50	112.00 112.00 112.00	71.63 72.00 72.65	4.75 4.75 4.75
3	MARUTI 800cc MPFi/ WAGON R/ ALTO VX/ ALTO LX	CONV	105	3/4	68.50	0.05	HPVENT	71.12 71.50 71.50	112.00 112.00 112.00	71.63 72.00 72.65	4.75 4.75 4.75
4	MARUTI EECO	RCP	C15	2	71.00	0.02	HPVENT	73.97	120.78	74.50	4.95
5	TATA INDICA VISTA QUADRAJET (75 PS)	RCP	C07	1	69.60	0.05	IPDVM	72.34	136.70	73.12	5.00
6	TATA INDIGO MANZA/ FIAT LINEA (90 PS)	RCP	C21	1	69.60	0.05	IPDVM	72.34	136.70	73.12	5.00
7	TATA INDICA DIESEL	RCP	122	2	75.00	0.06	SUPER DVM SSTR MOLY SSM	78.10	133.90	78.78	5.00



CAR RANGE - ENGINE VALVES

SI No	Engine/Model	No. of Cyl.	VALVE	USHA Code	Head Dia. (mm)	Stem Dia. (mm)	Total Length (mm)	Surface Treatment
1	HYUNDAI SANTRO 1.0L/1.1L/ XING eRLX (2 Inlet & 1 Exhaust /Cyl.)	4	IN	3193	23.00	5.47	100.50	TF
			EX	3194	27.00	5.44	100.10	TF
2	MARUTI GYPSY/1000cc	4	IN	3111	31.60	7.00	110.00	TF
			EX	3112	27.60	7.00	109.50	TF
3	MARUTI 800cc TUFF	3	IN	3111	31.60 27.60	7.00 7.00	110.00 109.50	TF
			EX	3112				TF
	IN		3101	CR				
	EX		3102	CR				
4	MARUTI 800cc CHROME	3	IN	3181	31.60 27.60	7.00 7.00	110.00 109.50	TF
			EX	3182				TF
4	MARUTI 800cc MPFi/ ALTO LX	3	IN	3113	26.60	5.50	90.40	TF
	MARUTI WAGON R/ ALTO VX	4	EX	3136	23.40	5.50	78.10	TF
5	MARUTI ZEN TUFF	4	IN	3103	34.00	7.00	117.50	TF
			EX	3116	28.00	7.00	116.50	TF
6	MARUTI ZEN MPFi (YE-2) (4 Valves/Cyl.)	4	IN	3121	27.20	5.50	92.60	TF
			EX	3138	23.00	5.50	80.30	TF
7	MARUTI ESTEEM MPFi 1300cc (4 Valves/Cyl.)	4	IN	3119	29.20	5.50	92.20	TF
			EX	3140	25.00	5.50	79.90	TF
8	MARUTI A STAR/ ALTO K10/ SWIFT/ D-ZIRE/ RITZ PETROL (4 Valves/Cyl.)	3/4	IN	3159	27.50	5.48	87.45	TF
			EX	3160	22.90	5.455	87.00	TF
9	MARUTI EECO (4 Valves/Cyl.)	4	IN	3173	27.20	5.50	92.55	TF
			EX	3174	23.00	5.50	80.25	TF
10	TATA INDICA/INDIGO DIESEL	4	IN	3205	36.00	7.00	109.00	TF
			EX	3206	30.50	7.00	109.00	TF
11	TATA INDICA CNG/ PETROL	4	IN	2057	36.70	6.97	114.20	TF
			EX	2058	31.00	6.96	114.40	TF
12	TATA INDICA VISTA QUADRAJET (4 Valves/ Cyl.)	4	IN	3221	21.80	5.99	109.20	CR
			EX	3222	21.80	5.99	109.20	CR