

# PISTONS MOTOR CYCLES

SCOOTERS, MOPEDS  
AND MOTOR CYCLE ENGINES



## PISTONS

Line No.	Make and Year	Model	Cylinder Bore		Ref. No.	Comp.	Length	No. of Cyls.
			Metal	Inches Millimetres				

### MANET (Refer to JAWA)

### MANURHIN

1	74 c.c. Hobby, Concorde, Scooter	H'lex	1.7716"	45 <sup>m</sup> / <sub>m</sub>	13436	34 <sup>m</sup> / <sub>m</sub>	59 <sup>m</sup> / <sub>m</sub>	1	C
	C.R. 6 to 1								

### MATCHLESS

2A	1926/40	246cc								
2	1949/55	498 c.c. O.H.V. G9, Super Clubman, Twin, C.R. 7 to 1	H'lex	2.5984"	66 <sup>m</sup> / <sub>m</sub>	W12475	17/8"	2 3/4"	2	S E I
3		(High Comp. for above) C.R. 8 to 1	H'lex	2.5984"	66 <sup>m</sup> / <sub>m</sub>	W11221	1 31/32"	2 15/16"	2	S I E
4		(High Comp. for above) C.R. 8.5 to 1	Al.	2.5984"	66 <sup>m</sup> / <sub>m</sub>	11281	2 1/8"	3"	2	S E I
5	1956/60	498 c.c. O.H.V. G9, Super Clubman, C.R. 7-8 to 1	H'lex	2.5984"	66 <sup>m</sup> / <sub>m</sub>	W13267	1.977"	2.852"	2	I E C
6	1933/46	347 c.c. O.H.V. D3, G3, G3/L, G4, Clubman and Special ...	H'lex	2 23/32"	69.056 <sup>m</sup> / <sub>m</sub>	W9990	1 1/2"	3 7/16"	1	P C
7	1947	347 c.c. O.H.V. G3/L	H'lex	2 23/32"	69.056 <sup>m</sup> / <sub>m</sub>	W10049	2"	3 7/16"	1	C
8	1948/55	347 c.c. O.H.V. G3/L, C.R. 6.3 to 1	H'lex	2 23/32"	69.056 <sup>m</sup> / <sub>m</sub>	W10465	2"	3 7/32"	1	C
9	1948/55	347 c.c. O.H.V. G3/L, High Comp., C.R. 7.5 to 1	H'lex	2 23/32"	69.056 <sup>m</sup> / <sub>m</sub>	W13265	2.160"	3.377"	1	
	1956/9	347 c.c. O.H.V. G3/LS, C.R. 7.5 to 1	Tin Plated							
10		(High Comp. for above) C.R. approx. 8.5 to 1 with packing plate removed	Al.	2 23/32"	69.056 <sup>m</sup> / <sub>m</sub>	10605	2 3/8"	3 10/32"	1	
11	1959/63	248 c.c. O.H.V. G2, Monitor, C.R. 7-8 to 1	H'lex	2 3/4"	69.849 <sup>m</sup> / <sub>m</sub>	W15125	2 3/64"	2 31/32"	1	
			Tin Plated							
12	1959/60	248 c.c. O.H.V. G2CS, C.R. 11 to 1	Al.	2 3/4"	69.849 <sup>m</sup> / <sub>m</sub>	15249	2 1/4"	3 11/64"	1	
13	1956/9	348 c.c. O.H.V. G3/LCS, C.R. 9-9 to 1	H'lex	2.8346"	72 <sup>m</sup> / <sub>m</sub>	13379	2 23/64"	3 31/64"	1	
14	1956/8	592 c.c. O.H.V. G11, C.R. 7.5 to 1	H'lex	2.8346"	72 <sup>m</sup> / <sub>m</sub>	W13268	1 13/16"	2 27/32"	2	
			Tin Plated							



SCOOTERS, MOPEDS  
MOTOR CYCLE ENGINES AND

# PISTONS MOTOR CYCLES

Line No.	RINGS		Ref No.	RING SETS		PINS		LINERS	
	No. of Rings	Width		Original Regular	Replacement Regular	Dia.	Type	Ref No.	Ref. No.

(Refer to JAWA) MANET

## MANURHIN

	2	2 <sup>m</sup> / <sub>m</sub>	TP.12608S			12 <sup>m</sup> / <sub>m</sub>	RC108	5206A	
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## MATCHLESS

2	2	1/16"	TP.15619	8120/V	8122/V	3/4"	S.C.	4267A	FS.2101
		3/8"	DO.6465						
3	2	1/16"	TP.15619	8120/V	8122/V	3/4"	S.C.	4267A	FS.2101
		1/8"	DO.6465						
4	2	1/16"	MTP.16017			3/4"	S.C.	4267A	FS.2101
		1/8"	MDO.6754						
5	1	1/16" 44.55	KP.8101	8560/V	8560/V	3/4"	S.C.	5183A	
		1/16"	MTP.12294						
		5/32"	DO.12295						
6	2	1/16" 38.45	TP.10805			7/8"	S.C.	3675A	FS.1070
		1/8"	DO.6027						
7	2	1/16"	TP.10805			7/8"	S.C.	3675A	FS.1070
		1/8"	DO.6027						
8	2	1/16" 39.40	TP.10805	3540/V	3542/V	7/8"	S.C.	3675A	FS.2590 (for Cast Iron barrels) FS.2125 (for Alum. barrels)
		1/8"	DO.6027						
9	1	1/16" 42.85	KP.11116	3540/V	3542/V	7/8"	S.C.	3675A	FS.2590 (for Cast Iron barrels) FS.2125 (for Alum. barrels)
		1/16"	TP.10805						
		1/8"	DO.6027						
10	2	1/16"	TP.10805	3540/V	3542/V	7/8"	S.C.	4371A	FS.2590 (for Cast Iron barrels) FS.2125 (for Alum. barrels)
		1/8"	DO.6027						
11	1	1/16"	KP.16306	13912/V	13912/V	3/4"	S.C.	3876A	
		1/16"	TP.16307						
		5/32"	EDO.16333						
12	1	1/16"	KP.16306	13912/V	13912/V	3/4"	S.C.	5913A	
		1/16"	TP.16307						
		5/32"	DO.6025						
13	1	3/64"	KP.12675	9140/V	9140/V	7/8"	S.C.	5289A	
		3/64"	MP.12544						
		6/32"	MEDO.12545						
14	1	3/64" 40.45	KP.12115	8370/V	8370/V	3/4"	S.C.	5184A	
		3/64"	TP.12298						
		5/32"	DO.12299						

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AND MOTOR CYCLE ENGINES



## PISTONS

Line No.	Make and Year	Model	Cylinder Bore		Ref. No.	Comp.	Length	No. of Cyls.	Head
			Metal	Inches Millimetres					

### MATCHLESS (Continued)

1		(High Comp. for above) } C.R. 9 to 1 .....	H'lex 2-8346"	72 <sup>m</sup> / <sub>m</sub>	13829	2-077"	2-978"	2	Truncate Cone Stepped
2	1958	646 c.c. O.H.V. G12, C.R. 8-5 to 1... (Special for American Market) .....	H'lex 2-8346"	72 <sup>m</sup> / <sub>m</sub>	W15242	1-809"	2-586"	2	Dome Radiused
3	1958/9	646 c.c. O.H.V. G12, C.R. 7-5 to 1	H'lex 2-8346"	72 <sup>m</sup> / <sub>m</sub>	W15117	2-087"	2-868"	2	Dome Radiused
4	1958/9	646 c.c. O.H.V. G12CS, G12CSR, C.R. 8-5 to 1 .....	H'lex 2-8346"	72 <sup>m</sup> / <sub>m</sub>	W15036	2-197"	2-978"	2	Dome Radiused
5	1960/2	348 c.c. O.H.V. G5, Matador, C.R. 7-4 to 1 .....	H'lex 2-8346"	72 <sup>m</sup> / <sub>m</sub>	W15151	1 <sup>23</sup> / <sub>32</sub> "	2 <sup>5</sup> / <sub>8</sub> "	1	Flat (with val pockets)
6	1960/2	646 c.c. O.H.V. G12 Majestic, C.R. 7-5 to 1 .....	H'lex 2-8346"	72 <sup>m</sup> / <sub>m</sub>	20474 W15762	1 <sup>15</sup> / <sub>16</sub> "	2 <sup>23</sup> / <sub>32</sub> "	2	Flat (with val pockets)
6A	1934/35	500 c.c.		82.548	20017 W 3165				
7	1938/46	498 c.c. O.H.V. G5, G80, G90, Clubman .....	H'lex 3 <sup>1</sup> / <sub>4</sub> "	82-548 <sup>m</sup> / <sub>m</sub>	20018 W9991	1 <sup>9</sup> / <sub>16</sub> "	3 <sup>3</sup> / <sub>16</sub> "	1	Flat (with val pockets)
8	1947/55	498 c.c. O.H.V. G80, C.R. 7-2 to 1	H'lex 3 <sup>1</sup> / <sub>4</sub> "	82-548 <sup>m</sup> / <sub>m</sub>	20019 W10197	1 <sup>13</sup> / <sub>16</sub> "	3 <sup>3</sup> / <sub>16</sub> "	1	Flat (with val pockets)
8A		High Comp. 8-1		82,548	20028 W10595	1 <sup>7</sup> / <sub>8</sub> "	3 <sup>1</sup> / <sub>4</sub> "	1	Flat (with val pockets)
9		(High Comp. or above) } C.R. 8-5 to 1 with Com- pression Plate removed	H'lex 3 <sup>1</sup> / <sub>4</sub> "	82-548 <sup>m</sup> / <sub>m</sub>	W11786	1 <sup>16</sup> / <sub>16</sub> "	3 <sup>8</sup> / <sub>16</sub> "	1	Flat (with val pockets)
10		(High Comp. for above) } C.R. 9-5 to 1 .....	Al. 3 <sup>1</sup> / <sub>4</sub> "	82-548 <sup>m</sup> / <sub>m</sub>	10304	2 <sup>1</sup> / <sub>4</sub> "	3 <sup>5</sup> / <sub>8</sub> "	1	Dome (with val pockets)
11	1956/9	498 c.c. O.H.V. G80S, C.R. 7-3 to 1	H'lex 3 <sup>1</sup> / <sub>4</sub> " Tin Plated	82-548 <sup>m</sup> / <sub>m</sub>	20466 W13266	2 <sup>1</sup> / <sub>16</sub> "	3 <sup>7</sup> / <sub>16</sub> "	1	Dome (with val pockets)
12	1933 1937/40	498 c.c. S.V. CS, 1 Cyl. .... 990 c.c. S.V., X, Twin.....	Al. 3 <sup>3</sup> / <sub>8</sub> "	85-725 <sup>m</sup> / <sub>m</sub>	S7333	1 <sup>13</sup> / <sub>16</sub> "	3 <sup>1</sup> / <sub>2</sub> "	1/2	Flat Bevelled
13	1956/9	497 c.c. O.H.V. G80CS, C.R. 8-7 to 1	H'lex 3-3858"	86 <sup>m</sup> / <sub>m</sub>	20382 13380	2 <sup>19</sup> / <sub>64</sub> "	3 <sup>46</sup> / <sub>64</sub> "	1	Dome (with val pockets)
14		(High Comp. for above) } C.R. 10 to 1 .....	Al. 3-3858"	86 <sup>m</sup> / <sub>m</sub>	14628	2 <sup>27</sup> / <sub>64</sub> "	3 <sup>53</sup> / <sub>64</sub> "	1	Dome (with val pockets)
15	1960	497 c.c. O.H.V. G80CS, C.R. 8-8 to 1 .....	H'lex 3-3858"	86 <sup>m</sup> / <sub>m</sub>	15710	2 <sup>29</sup> / <sub>64</sub> "	4-053"	1	Dome (with val pockets)

### MESSERSCHMITT

16	1955/6	175 c.c. KR175, Three-Wheeler Cabin Scooter, Two Stroke, C.R. 6-6 to 1...	H'lex 2-4409"	62 <sup>m</sup> / <sub>m</sub>	13271	38 <sup>m</sup> / <sub>m</sub>	78 <sup>m</sup> / <sub>m</sub>	1	Dome
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SCOOTERS, MOPEDS  
MOTOR CYCLE ENGINES AND

**PISTONS**  
**MOTOR CYCLES**

Line No.	RINGS		Ref. No.	RING SETS		PINS		LINERS	
	No. of Rings	Width		Original Regular	Replacement Regular	Dia.	Type	Ref. No.	Ref. No.

(Continued) **MATCHLESS**

1	1	3/64" 3/64" 5/32"	KP.12115 TP.12298 DO.12299	8370/V	8370/V	3/4"	S.C.	5184A	
2	1	3/64" 3/64" 5/32"	KP.17030 TP.12298 MSO.16286	13920/V	13920/V	3/4"	S.C.	4574A	
3	1	3/64" 3/64" 5/32"	KP.12115 TP.12298 MSO.16286	13920/V	13920/V	3/4"	S.C.	4574A	
4	1	3/64" 3/64" 5/32"	KP.12115 TP.12298 MSO.16286	13920/V	13920/V	3/4"	S.C.	4574A	
5	1	3/64" 3/64" 5/32"	KP.12115 TP.12298 EDO.12739	14000/V	14000/V	3/4"	S.C.	4574A	
6	1	3/64" 3/64" 5/32"	5420 KP.12675 TP.17593 MSO.16286	17250/V	17250/V	3/4"	S.C.	4574A	
7	2	1/16" 1/8"	8140 P.6117 DO.6118			7/8"	S.C.	3997A	FS.1933
8	2	1/16" 1/8"	4630 P.6117 DO.6118	3550/V	3552/V	7/8"	S.C.	3997A	FS.1933
9	2	1/16" 1/8"	P.6117 DO.6118	3550/V	3552/V	7/8"	S.C.	3997A	FS.1933
10	2	1/16" 1/8"	P.6117 DO.6118	3550/V	3552/V	7/8"	S.C.	3997A	FS.1933
11	1	1/16" 1/16" 1/8"	KP.6522 TP.12698 DO.6118	3550/V	3552/V	7/8"	S.C.	3997A	FS.1933
12	2	1/16" 1/8"	P.578 DO.2143			7/8"	S.C.	1516A	
13	1	1/16" 1/16" 1/8"	4895 KP.7655 MP.12546 MEDO.12547	9150/V	9150/V	7/8"	S.C.	5235A	
14	1	1/16" 1/16" 1/8"	KP.7655 MP.12546 MEDO.12547	9150/V	9150/V	7/8"	S.C.	5235A	
15	1	1/16" 1/16" 5/32"	KP.7655 MP.12546 MEDO.12600	16230/V	16230/V	7/8"	S.C.	5235A	

**MESSERSCHMITT**

16	2	2.5 <sup>m</sup> / <sub>m</sub>	P.12393G	8350/V	8350/V	15 <sup>m</sup> / <sub>m</sub>	RC188	5179A	
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KEY TO ALL SYMBOLS AND ABBREVIATIONS IS ON PAGES III to VII — PLEASE REFER TO THIS BEFORE ORDERING