

**1963**



**PISTON  
CYLINDER LINER  
AND  
KIT SET  
CATALOGUE**









  
**HEPOLITE**



**QUALITY PISTONS**

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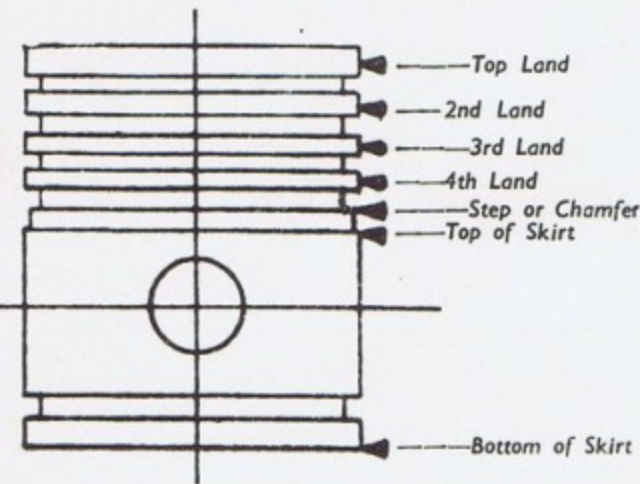


# RECOMMENDED PISTON CLEARANCES



The following clearances can only be taken as a general average because of the different conditions which operate in various designs of engines.

When reconditioning a cylinder always work to the cylinder bore size given in the Hepolite Catalogue plus the required oversize. The tolerance on this size should be:—For RS. type pistons plus .0000 minus .0005 inches and for all other type pistons plus .0010 minus .0000 inches. When the bores are finished to these limits your Hepolite Pistons will have the correct working clearances.



Sketch Showing Terms used on Chart

All clearances given are in **thousandths per inch or thousandths per millimetre of cylinder diameter** and should be measured at right angles to the gudgeon pin axis.

## WATER-COOLED ENGINES

Type of Piston		Bottom of Skirt	Top of Skirt	4th Land	3rd Land	2nd Land	Top Land
Hepolite Alloy	RS. Type	.00075	.00075	.0060	.0060	.0060	.0060
	Other Split Skirt Types	Up to 3 1/2" (88.898mm) Bore .0005	.0005	.0060	.0060	.0060	.0060
		Over 3 1/2" (88.898mm) Bore .0008	.0012	.0060	.0060	.0060	.0060
	T-Slot Types	Up to 3 1/2" (88.898mm) Bore .0008	.0010	.0060	.0060	.0060	.0060
		Over 3 1/2" (88.898mm) Bore .0012	.0015	.0060	.0060	.0060	.0060
	Lynite Type	.0005	.0005	.0060	.0060	.0060	.0060
Hepolite Alloy	Solid Skirt Types	Up to 3 1/2" (88.898mm) Bore .00125	.0015	.0045	.0045	.0045	.0060
		Over 3 1/2" (88.898mm) Bore .0015	.00175	.0045	.0045	.0045	.0060
	" " " Diesel Pistons	.0020	—	.0035	.0045	.0045	.0060
	U-Slot -	.0006	.0008	.0045	.0045	.0045	.0045
	W-Type -	.0006	.0008	.0080	.0080	.0080	.0080
	T-Slot Types	Up to 3 1/2" (88.898mm) Bore .0006	.0008	.0045	.0045	.0045	.0045
Hepolite Alloy		Over 3 1/2" (88.898mm) Bore .0010	.0012	.0045	.0045	.0045	.0045
	RSW and SW	.00035	.00035	.0080	.0080	.0080	.0080
	Other Split Skirt Types	Up to 3 1/2" (88.898mm) Bore .0005	.0005	.0045	.0045	.0045	.0045
		Over 3 1/2" (88.898mm) Bore .0006	.0010	.0045	.0045	.0045	.0045
	Solid Skirt Types	Up to 3 1/2" (88.898mm) Bore .0010	.00125	.0020	.0030	.0035	.0040
		Over 3 1/2" (88.898mm) Bore .00125	.0015	.0020	.0030	.0035	.0040
Cast Iron	" " " Diesel Pistons	.00175	—	.0030	.0035	.0035	.0050
	All Types	.00075	.0010	.0035	.0035	.0035	.0035

## AIR-COOLED ENGINES

Type of Piston		Bottom of Skirt	Top of Skirt	4th Land	3rd Land	2nd Land	Top Land
Hepolite Alloy	Solid Skirt Type -	.0015	.0025	.0040	.0040	.0060	.0070
	Split Skirt Type -	.0010	.0015	.0040	.0040	.0060	.0070
	T-Slot -	.00125	.00175	.0040	.0040	.0060	.0070
	Two Stroke Pistons	.0015	.0025	.0040	.0040	.0060	.0070
Hepolite Alloy	Solid Skirt Type -	.0015	.00225	.0028	.0028	.0032	.0042
	W-Type -	.0010	.0015	.0080	.0080	.0080	.0080
	T-Slot -	.0010	.0015	.0028	.0028	.0032	.0042
	Two Stroke Pistons	.0015	.00225	.0028	.0028	.0032	.0042
Cast Iron	All Types	.0010	.0015	.0045	.0045	.0045	.0045

All Lands for both Water-Cooled and Air-Cooled Engines are round.

## SKIRT SHAPES

Nearly all Hepolite Pistons are specially form ground on the skirt to such a shape that they become almost truly cylindrical under working conditions. As fitted, the skirt will be oval, but this ovality is less at the open end (where temperatures are lower) than at the top of the skirt. The following ovalities are typical figures:—

Material	Bore Size	Open End	Crown End
All Aluminium Alloys	Up to 3 1/2" -	.002" — .003"	.007" — .011"
	Over 3 1/2" -	.003" — .004"	.008" — .013"
Cast Iron	Up to 3" -	.0005" — .0015"	.0055" — .0085"
	Over 3" -	.0005" — .0015"	.0055" — .010"

## RECOMMENDED RING CAPS

	All rings except Parallel Faced Chrome	Parallel Faced Chrome
Air-Cooled Racing Engines -	Not less than .005" per inch of bore.	Not less than .005" per inch of bore.
All other Engines -	.003" " " " "	.004" " " " "
Air Compressors and Refrigerators -	.001" " " " "	.001" " " " "

## RING SIDE CLEARANCE IN GROOVE

Petrol Engines—	Air Compressors—	Diesel Engines—
Up to 4" Bore - .0015" — .0035"	Up to 5" Bore .0005" — .0025"	Top Compression Ring Groove only .0025" — .0045"
Over 4" Bore - .0025" — .0045"	Over 5" Bore - .0015" — .0035"	Lower Compression and Oil Ring Grooves - .0015" — .0035"
Air-Cooled 2-Stroke .003" — .005"		



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

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

A.J.S.

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A.J.S.

1	1949/55	498 c.c. O.H.V. 20, Spring Twin, C.R. 7 to 1	H'lex	2.5984"	66 <sup>m</sup> / <sub>m</sub>	WI2475	17/8"	2 3/4"	2 Spec. Dome
2		(High Comp. for above) C.R. 8 to 1	H'lex	2.5984"	66 <sup>m</sup> / <sub>m</sub>	WI1221	1 31/32"	2 15/16"	2 Spec. Dome
3		(High Comp. for above) C.R. 8.5 to 1	Al.	2.5984"	66 <sup>m</sup> / <sub>m</sub>	I1281	2 1/8"	3"	2 Spec. Dome
4	1956/60	498 c.c. O.H.V. 20, C.R. 7.8 to 1	H'lex	2.5984"	66 <sup>m</sup> / <sub>m</sub>	WI3267	1.977"	2.852"	2 Dome (with valve pockets)
5	1935/46	347 c.c. O.H.V. 16, 16M, 26, 26SS, 26T, Silver Streak, Single and 2 Port	H'lex	2 23/32"	69.056 <sup>m</sup> / <sub>m</sub>	W9990	1 1/2"	3 7/16"	1 Cone
6	1947	347 c.c. O.H.V. 16M	H'lex	2 23/32"	69.056 <sup>m</sup> / <sub>m</sub>	WI0049	2"	3 7/16"	1 Cone
7	1948/55	347 c.c. O.H.V. 16M, C.R. 6.3 to 1	H'lex	2 23/32"	69.056 <sup>m</sup> / <sub>m</sub>	WI0465	2"	3 7/32"	1 Cone
8	1948/55 1956/9	347 c.c. O.H.V. 16M, High Comp., C.R. 7.5 to 1 347 c.c. O.H.V. 16MS, C.R. 7.5 to 1	H'lex Tin Plated	2 23/32"	69.056 <sup>m</sup> / <sub>m</sub>	WI3265	2.160"	3.377"	1 Dome (with valve pockets)
9		(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>	I0605	2 3/8"	3 19/32"	1 Dome (with valve pockets)
10	1959/63	248 c.c. O.H.V. 14, Sapphire, C.R. 7.8 to 1	H'lex	2 3/4"	69.849 <sup>m</sup> / <sub>m</sub>	WI5125	2 3/64"	2 31/32"	1 Dome (with valve pockets)
11	1958/60	248 c.c. O.H.V. 14CS, C.R. 11 to 1	Al.	2 3/4"	69.849 <sup>m</sup> / <sub>m</sub>	I5249	2 1/4"	3 11/64"	1 Spec.
12	1956/9	348 c.c. O.H.V. 16MCS, C.R. 9.9 to 1	H'lex	2.8346"	72 <sup>m</sup> / <sub>m</sub>	I3379	2 23/64"	3 31/64"	1 Dome (with valve pockets)
13	1956/8	592 c.c. O.H.V. 30, C.R. 7.5 to 1	H'lex	2.8346"	72 <sup>m</sup> / <sub>m</sub>	WI3268	1 15/16"	2 27/32"	2 Stepped Dome
14		(High Comp. for above) C.R. 9 to 1	H'lex	2.8346"	72 <sup>m</sup> / <sub>m</sub>	I3829	2.077"	2.978"	2 Truncated Cone
15	1958	646 c.c. O.H.V. 31, C.R. 8.5 to 1 (Special for American Market)	H'lex	2.8346"	72 <sup>m</sup> / <sub>m</sub>	WI5242	1.809"	2.586"	2 Dome Radiused
16	1958/9	646 c.c. O.H.V. 31, C.R. 7.5 to 1	H'lex	2.8346"	72 <sup>m</sup> / <sub>m</sub>	WI5117	2.087"	2.868"	2 Dome Radiused

1	2	1/16"	TP.15619 DO.6465	8120/V	8122/V	3/4"	S.C.	4267A	FS.2101
2	2	1/16"	TP.15619 DO.6465	8120/V	8122/V	3/4"	S.C.	4267A	FS.2101
3	2	1/16"	MTP.16017 MDO.6754			3/4"	S.C.	4267A	FS.2101
4	1	1/16"	KTP.8101 MTP.12294 DO.12295	8560/V	8560/V	3/4"	S.C.	5183A	
5	2	1/16"	TP.10805 DO.6027			7/8"	S.C.	3675A	FS.1070
6	2	1/16"	TP.10805 DO.6027			7/8"	S.C.	3675A	FS.1070
7	2	1/16"	TP.10805 DO.6027	3540/V	3542/V	7/8"	S.C.	3675A	FS.2590 (for Cast Iron barrels) FS.2125 (for Alum. barrels) FS. 2590 (For Cast Iron barrels) FS.2125 (for Alum. barrels)
8	1	1/16"	KP.11116 TP.10805 DO.6027	3540/V	3542/V	7/8"	S.C.	3675A	
9	2	1/16"	TP.10805 DO.6027	3540/V	3542/V	7/8"	S.C.	4371A	FS.2590 (for Cast Iron barrels) FS.2125 (for Alum. barrels)
10	1	1/16"	KP.16306 TP.16307 EDO.16333	13912/V	13912/V	3/4"	S.C.	3876A	
11	1	1/16"	KP.16306 TP.16307 DO.6025	13912/V	13912/V	3/4"	S.C.	5913A	
12	1	3/32"	KP.12675 MP.12544 MEDO.12545	9140/V	9140/V	7/8"	S.C.	5289A	FS.2125
13	1	3/64"	KP.12115 TP.12298 DO.12299	8370/V	8370/V	3/4"	S.C.	5184A	
14	1	3/64"	KP.12115 TP.12298 DO.12299	8370/V	8370/V	3/4"	S.C.	5184A	
15	1	3/64"	KP.17030 TP.12298 MSO.16286	13920/V	13920/V	3/4"	S.C.	4574A	
16	1	3/64"	KP.12115 TP.12298 MSO.16286	13920/V	13920/V	3/4"	S.C.	4574A	





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

A.J.S. (Continued)

1	1958/9	646 c.c. O.H.V. 31CS, 31CSR, C.R. 8-5 to 1.....	H'lex	2-8346"	72 <sup>m</sup> / <sub>m</sub>	WI5036	2-197"	2-978"	2	Dome Radiused
2	1960/2	348 c.c. O.H.V. 8, Senator, 7-4 to 1.....	H'lex	2-8346"	72 <sup>m</sup> / <sub>m</sub>	WI5151	1 <sup>23</sup> / <sub>32</sub> "	2 <sup>5</sup> / <sub>8</sub> "	1	Flat (with valve pockets)
3	1960/2	646 c.c. O.H.V. 31 Swift, C.R. 7-5 to 1.....	H'lex	2-8346"	72 <sup>m</sup> / <sub>m</sub>	WI5762	1 <sup>15</sup> / <sub>16</sub> "	2 <sup>23</sup> / <sub>32</sub> "	2	Flat (with valve pockets)
4		650 c.c. O.H.V. ....	H'lex	2-8346"	72 <sup>m</sup> / <sub>m</sub>	WI6023	2 <sup>1</sup> / <sub>32</sub> "	2 <sup>13</sup> / <sub>16</sub> "	2	Flat Bevelled (with valve pockets)
5	1946	498 c.c. O.H.V. 18, C.R. 7-2 to 1...	H'lex	3 <sup>1</sup> / <sub>4</sub> "	82-548 <sup>m</sup> / <sub>m</sub>	W9991	1 <sup>5</sup> / <sub>16</sub> "	3 <sup>3</sup> / <sub>16</sub> "	1	Flat (with valve pockets)
6	1947/55	498 c.c. O.H.V. 18, C.R. 7-2 to 1...	H'lex	3 <sup>1</sup> / <sub>4</sub> "	82-548 <sup>m</sup> / <sub>m</sub>	WI0197	1 <sup>13</sup> / <sub>16</sub> "	3 <sup>3</sup> / <sub>16</sub> "	1	Flat (with valve pockets)
7		(High Comp. for above) C.R. 8-5 to 1 with compression plate removed	H'lex	3 <sup>1</sup> / <sub>4</sub> "	82-548 <sup>m</sup> / <sub>m</sub>	WI1786	1 <sup>15</sup> / <sub>16</sub> "	3 <sup>5</sup> / <sub>16</sub> "	1	Flat (with valve pockets)
8		(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>	I0304	2 <sup>1</sup> / <sub>4</sub> "	3 <sup>5</sup> / <sub>8</sub> "	1	Dome (with valve pockets)
9	1956/9	498 c.c. O.H.V. 18S, C.R. 7-3 to 1	H'lex	3 <sup>1</sup> / <sub>4</sub> "	82-548 <sup>m</sup> / <sub>m</sub>	WI3266	2 <sup>1</sup> / <sub>16</sub> "	3 <sup>7</sup> / <sub>16</sub> "	1	Dome (with valve pockets)
10	1937/40	990 c.c. S.V. Twin, 37/2, 37/2A, 38/2, 39/2, 39/2A, 40/2 40/2A, C.R. 5 to 1.....	Al. Tin Plated	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> "	2	Flat Bevelled
11	1956/9	497 c.c. O.H.V. 18CS, C.R. 8-7 to 1	H'lex	3-3858"	86 <sup>m</sup> / <sub>m</sub>	I3380	2 <sup>19</sup> / <sub>64</sub> "	3 <sup>45</sup> / <sub>64</sub> "	1	Dome (with valve pockets)
12		(High Comp. for above) C.R. 10 to 1 .....	Al.	3-3858"	86 <sup>m</sup> / <sub>m</sub>	I4628	2 <sup>27</sup> / <sub>64</sub> "	3 <sup>53</sup> / <sub>64</sub> "	1	Dome (with valve pockets)
13	1960	497 c.c. O.H.V. 18CS, C.R. 8-8 to 1	H'lex	3-3858"	86 <sup>m</sup> / <sub>m</sub>	I5710	2 <sup>29</sup> / <sub>64</sub> "	4-053"	1	Dome (with valve pockets)

A.J.W. (Refer to J.A.P. and VILLIERS)

AMBASSADOR (Refer to VILLIERS)

A.M.C.

14		150 c.c. 15H, 15T, Two Stroke.....	H'lex	2-1653"	55 <sup>m</sup> / <sub>m</sub>	I5337	1-572"	3-197"	1	Flat Bevelled
15		172 c.c. 175, 17T, Series I to Engine 3032, Ported, Two Stroke, C.R. 8-5 to 1	H'lex	2-3228"	59 <sup>m</sup> / <sub>m</sub>	I4542	2 <sup>3</sup> / <sub>32</sub> "	3 <sup>33</sup> / <sub>64</sub> "	1	Spec.
16		172 c.c. 175, 17T, Series II after Engine 3032 ..... 199 c.c. 20T, Ported, Two Stroke C.R. 8-5 to 1.....	H'lex	2-3228"	59 <sup>m</sup> / <sub>m</sub>	I4846	2 <sup>3</sup> / <sub>32</sub> "	3 <sup>33</sup> / <sub>64</sub> "	1	Spec.
17		249 c.c. 25T, Two Stroke. C.R. 8-1 to 1.....	H'lex	2-5975"	65-975 <sup>m</sup> / <sub>m</sub>	I3814	1-580"	3-224"	1	Spec.

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

(Continued) A.J.S.

1	1	3 <sup>3</sup> / <sub>64</sub> "	KP.I2115 TP.I2298	I3920/V	I3920/V	3 <sup>3</sup> / <sub>4</sub> "	S.C.	4574A
2	1	3 <sup>5</sup> / <sub>32</sub> "	MSO.I6286 KP.I2115 TP.I2298	I4000/V	I4000/V	3 <sup>3</sup> / <sub>4</sub> "	S.C.	4574A
3	1	3 <sup>5</sup> / <sub>32</sub> "	EDO.I2739 KP.I2675 TP.I7593	I7250/V	I7250/V	3 <sup>3</sup> / <sub>4</sub> "	S.C.	4574A
4	1	3 <sup>5</sup> / <sub>32</sub> "	MSO.I6286 KP.I2675 TP.I7593	I7250/V	I7250/V	3 <sup>3</sup> / <sub>4</sub> "	S.C.	4574A
5	2	1 <sup>1</sup> / <sub>16</sub> "	P.6117 DO.6118			7 <sup>7</sup> / <sub>8</sub> "	S.C.	3997A
6	2	1 <sup>1</sup> / <sub>16</sub> "	P.6117 DO.6118	3550/V	3552/V	7 <sup>7</sup> / <sub>8</sub> "	S.C.	3997A
7	2	1 <sup>1</sup> / <sub>16</sub> "	P.6117 DO.6118	3550/V	3552/V	7 <sup>7</sup> / <sub>8</sub> "	S.C.	3997A
8	2	1 <sup>1</sup> / <sub>16</sub> "	P.6117 DO.6118	3550/V	3552/V	7 <sup>7</sup> / <sub>8</sub> "	S.C.	3997A
9	1	1 <sup>1</sup> / <sub>16</sub> "	KP.6522 TP.I2698 DO.6118	3550/V	3552/V	7 <sup>7</sup> / <sub>8</sub> "	S.C.	3997A
10	2	1 <sup>1</sup> / <sub>16</sub> "	P.578 DO.2143			7 <sup>7</sup> / <sub>8</sub> "	S.C.	I516A
11	1	1 <sup>1</sup> / <sub>16</sub> "	KP.7655 MP.I2546 MEDO.I2547	9150/V	9150/V	7 <sup>7</sup> / <sub>8</sub> "	S.C.	5235A
12	1	1 <sup>1</sup> / <sub>16</sub> "	KP.7655 MP.I2546 MEDO.I2547	9150/V	9150/V	7 <sup>7</sup> / <sub>8</sub> "	S.C.	5235A
13	1	1 <sup>1</sup> / <sub>16</sub> "	KP.7655 MP.I2546 MEDO.I2600	I6230/V	I6230/V	7 <sup>7</sup> / <sub>8</sub> "	S.C.	5235A

(Refer to J.A.P. and VILLIERS) A.J.W.

(Refer to VILLIERS) AMBASSADOR

A.M.C.

14	1	3 <sup>3</sup> / <sub>32</sub> "	KP.I6648G PX.I6649G	I4740/V	I4740/V	·5619"	S.C.	5940A
15	1	1 <sup>1</sup> / <sub>16</sub> "	KP.I5162G P.I5208G	I1580/V	I1580/V	9 <sup>9</sup> / <sub>16</sub> "	S.C.	5691A
16	2	1 <sup>1</sup> / <sub>16</sub> "	KP.I5162G P.I5208G	I1580/V	I1580/V	9 <sup>9</sup> / <sub>16</sub> "	S.C.	5691A
17	1	1 <sup>1</sup> / <sub>16</sub> "	KP.I3469S PX.I3470S	9500/V	9500/V	5 <sup>5</sup> / <sub>8</sub> "	S.C.	I33A



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

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

## ARIEL

1	1958/63	249 c.c. Leader, Arrow, Two Port, Two Stroke (Recommended maximum Oversize is +.040").....	H'lex	2.1245"	53.961 <sup>m</sup> / <sub>m</sub>	I4154	1.296"	2.7335"	2	Slight Dome
2	1961/3	249 c.c. Arrow Super Sports, Two Port, Two Stroke, C.R. 10 to 1 .....	Al.	2.1245"	53.961 <sup>m</sup> / <sub>m</sub>	I5721Y	1.296"	2.7335"	2	Slight Dome
3	1954/9	197 c.c. O.H.V. LH, Colt 200, C.R. 7.5 to 1 .....	H'lex	2.3617"	59.986 <sup>m</sup> / <sub>m</sub>	SWI2252	1.567"	2.7775"	1	Dome
4	1948/57	498 c.c. O.H.V. KG De Luxe, KH, KHA, Red Hunter, Field-master. C.R. 6-8 to 1 ...	H'lex	2.4798"	62.987 <sup>m</sup> / <sub>m</sub>	WI0930	1 <sup>3</sup> / <sub>8</sub> "	2 <sup>11</sup> / <sub>16</sub> "	2	Slight Dome (with valve pockets)
5		(High Comp. for above) C.R. 7.5 to 1 .....	H'lex	2.4798"	62.987 <sup>m</sup> / <sub>m</sub>	WI2410	1 <sup>15</sup> / <sub>32</sub> "	2 <sup>25</sup> / <sub>32</sub> "	2	Slight Dome (with valve pockets)
6	1937/53	1000 c.c. O.H.V. 4G, Mark I, Square Four, 4H, C.R. 5-8 to 1 ...	H'lex	2.560"	65.023 <sup>m</sup> / <sub>m</sub>	7188	1 <sup>3</sup> / <sub>16</sub> "	2 <sup>7</sup> / <sub>16</sub> "	4	Concave
7	1953/9	1000 c.c. O.H.V. 4G Mark II, Square Four, C.R. 6-7 to 1 .....	H'lex	2.560"	65.023 <sup>m</sup> / <sub>m</sub>	WI1856	1 <sup>1</sup> / <sub>4</sub> "	2 <sup>3</sup> / <sub>4</sub> "	4	Flat Stepped
8		(High Comp. for above) C.R. 7-2 to 1 .....	H'lex	2.560"	65.023 <sup>m</sup> / <sub>m</sub>	WI2487	1 <sup>3</sup> / <sub>8</sub> "	2 <sup>7</sup> / <sub>8</sub> "	4	Flat Stepped
9	1954/9	646 c.c. O.H.V. FH Huntmaster, C.R. 6-5 to 1 .....	H'lex	2.7555"	69.989 <sup>m</sup> / <sub>m</sub>	WI1016	1.321"	2.555"	2	Concave
10		(High Comp. for above) C.R. 7-25 to 1 .....	H'lex	2.7555"	69.989 <sup>m</sup> / <sub>m</sub>	WI1062	1.359"	2.593"	2	Flat (with valve pockets)
11		(High Comp. for above) C.R. 8 to 1 .....	H'lex	2.7555"	69.989 <sup>m</sup> / <sub>m</sub>	WI1431	1.420"	2.654"	2	Flat (with valve pockets)
12		(High Comp. for above) C.R. 8-5 to 1 .....	H'lex	2.7555"	69.989 <sup>m</sup> / <sub>m</sub>	WI1787	1.505"	2.739"	2	Flat Bev'd (with valve pockets)
13		(High Comp. for above) C.R. 9 to 1 .....	H'lex	2.7555"	69.989 <sup>m</sup> / <sub>m</sub>	11412	1.700"	2.932"	2	Dome Stepped (with valve pockets)
14		(High Comp. for above) C.R. 10-5 to 1 .....	Al.	2.7555"	69.989 <sup>m</sup> / <sub>m</sub>	I5638	1.909"	3.143"	2	Cone (with valve pockets)
15	1939/55	350 c.c. O.H.V. NG, NH, Red Hunter. C.R. 6-2 to 1 ...	H'lex	2.834"	71.983 <sup>m</sup> / <sub>m</sub>	WI1210	1 <sup>23</sup> / <sub>32</sub> "	3 <sup>5</sup> / <sub>32</sub> "	1	Dome Radiused (with valve pockets)

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## ARIEL

1	2	1 <sup>1</sup> / <sub>16</sub> "	P.I3986M	I1280/V	I1280/V	.600"	RC266	6167A	
2	1	1 <sup>1</sup> / <sub>16</sub> "	MDL.I7246M MTP.I7419M	I6220Y/V	I6220Y/V	.600"	RC266	5192A	
3	2	1 <sup>1</sup> / <sub>16</sub> "	TP.8975 DO.8976	5630/V	5630/V	5 <sup>5</sup> / <sub>8</sub> "	RC131	4696A	FS.2513
4	1	1 <sup>1</sup> / <sub>16</sub> "	KTP.I1290 P.I1291 DO.I1292	3570/V	3570/V	17.44 <sup>m</sup> / <sub>m</sub>	RC27	4545A	FS.2489 (for Cast Iron barrels) FS.2713 (for Alum. barrels) FS.2489 (for Cast Iron barrels) FS.2713 (for Alum. barrels) FS.1773 (for Cast Iron barrels) FS.2612 (for Alum. barrels)
5	2	1 <sup>1</sup> / <sub>16</sub> "	P.I1291 DO.I1292	3570/V	3570/V	17.44 <sup>m</sup> / <sub>m</sub>	RC27	4545A	
6	2	1 <sup>1</sup> / <sub>16</sub> "	P.200 DO.5452	3610/V	3610/V	17.44 <sup>m</sup> / <sub>m</sub>	RC27	4545A	
7	1	1 <sup>1</sup> / <sub>16</sub> "	KP.I0832 P.8589 EDO.9650	6030/V	6030/V	17.44 <sup>m</sup> / <sub>m</sub>	RC27	4545A	FS.2612
8	1	1 <sup>1</sup> / <sub>16</sub> "	KP.I0832 P.8589 EDO.9650	6030/V	6030/V	17.44 <sup>m</sup> / <sub>m</sub>	RC27	4545A	FS.2612
9	2	1 <sup>1</sup> / <sub>16</sub> "	P.7114 DO.7115	3650/V	3650/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	FS.2131
10	2	1 <sup>1</sup> / <sub>16</sub> "	P.7114 DO.7115	3650/V	3650/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	FS.2131
11	2	1 <sup>1</sup> / <sub>16</sub> "	P.7114 DO.7115	3650/V	3650/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	FS.2131
12	2	1 <sup>1</sup> / <sub>16</sub> "	P.7114 DO.7115	3650/V	3650/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	FS.2131
13	2	1 <sup>1</sup> / <sub>16</sub> "	P.7114 DO.7115	3650/V	3650/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	FS.2131
14	2	1 <sup>1</sup> / <sub>16</sub> "	MP.6643 MDO.6644	—	I5842/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	FS.2131
15	1	1 <sup>1</sup> / <sub>16</sub> "	KP.7128 P.4398 DO.7432	3560/V	3560/V	20.61 <sup>m</sup> / <sub>m</sub>	RC55	1496A	FS.1064



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

ARIEL (Continued)

1	1939/55	350 c.c.	O.H.V. NG, NH, Red Hunter, High Comp. C.R. 7-5 to 1	H'lex	2-834"	71-983 <sup>m</sup> / <sub>m</sub>	WI2745	1 <sup>15</sup> / <sub>16</sub> "	3-349"	1	Dome Radiused (with valve pockets)
	1956/9	350 c.c.	O.H.V. NG, NH, Red Hunter, C.R. 7-5 to 1								
2	1939/59	350 c.c.	O.H.V. NG, NH, Red Hunter, C.R. 8 to 1	Al.	2-834"	71-983 <sup>m</sup> / <sub>m</sub>	I1548	1 <sup>29</sup> / <sub>32</sub> "	3 <sup>11</sup> / <sub>32</sub> "	1	Dome (with valve pockets)
3	1954/8	497 c.c.	HS, C.R. 9 to 1	Al.	3-220"	81-787 <sup>m</sup> / <sub>m</sub>	I2488	1 <sup>3</sup> / <sub>4</sub> "	3 <sup>1</sup> / <sub>4</sub> "	1	Dome Bev'd (with valve pockets)
4	1935/46	500 c.c.	O.H.V. Red Hunter, VG, VH	H'lex	3-221"	81-812 <sup>m</sup> / <sub>m</sub>	SWI1497	1 <sup>1</sup> / <sub>4</sub> "	2 <sup>3</sup> / <sub>4</sub> "	1	Concave
5			(High Comp. for above) C.R. 8 to 1	H'lex	3-221"	81-812 <sup>m</sup> / <sub>m</sub>	WI1853	1-605"	3-105"	1	Dome (with valve pockets)
6	1947/59	500 c.c.	O.H.V. Red Hunter, VG, VH, VCH, VHA, C.R. 6-3 to 1	H'lex	3-221"	81-812 <sup>m</sup> / <sub>m</sub>	WI0793	1 <sup>7</sup> / <sub>16</sub> "	3 <sup>1</sup> / <sub>16</sub> "	1	Dome
											For cast iron barrels 3-219" 81-762 <sup>m</sup> / <sub>m</sub>
											For alum. barrels
7			(High Comp. for above) C.R. 7 to 1	H'lex	3-221"	81-812 <sup>m</sup> / <sub>m</sub>	WI3246	1-4905"	3-1155"	1	Dome
											For cast iron barrels 3-219" 81-762 <sup>m</sup> / <sub>m</sub>
											For alum. barrels
8	1931/2	550 c.c.	S.V. SB31, SB32, Sloping Engine	H'lex	3-401"	86-384 <sup>m</sup> / <sub>m</sub>	WI1327	1 <sup>15</sup> / <sub>16</sub> "	3 <sup>7</sup> / <sub>16</sub> "	1	Flat
	1932/5	550 c.c.	S.V. VB, VB33, Vertical Engine								
	1933/5	550 c.c.	S.V. VA3, VA4								
	1936/58	600 c.c.	S.V. VB								

BERINI

9	49 c.c.	M21, M22, Mo-Ped, Two Stroke	Al.	1-5748"	40 <sup>m</sup> / <sub>m</sub>	I3884	28-5 <sup>m</sup> / <sub>m</sub>	48-5 <sup>m</sup> / <sub>m</sub>	1	Dome
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BIANCHI

10		49 c.c. Falco Mo-ped, C.R. 6-9 to 1 Falco Sports, C.R. 7-5 to 1, Two Stroke .....	H'lex 1-4961"	38 <sup>m</sup> / <sub>m</sub>	15154	26-5 <sup>m</sup> / <sub>m</sub>	53 <sup>m</sup> / <sub>m</sub>	1	Dome
11		75 c.c. Gardena Two Stroke, C.R. 6-9 to 1 .....	H'lex 1-8110"	46 <sup>m</sup> / <sub>m</sub>	15155	28 <sup>m</sup> / <sub>m</sub>	54-5 <sup>m</sup> / <sub>m</sub>	1	Dome
12	1961/2	80 c.c. Orsetto Scooter, One Port at bottom of Skirt, Two Stroke, C.R. 7 to 1 .....	H'lex 1-8898"	48 <sup>m</sup> / <sub>m</sub>	16002	28 <sup>m</sup> / <sub>m</sub>	54-5 <sup>m</sup> / <sub>m</sub>	1	Dome
13	1961/2	125 c.c. Bernina, C.R. 6-7 to 1 (R.B.P.) .....	H'lex 2-0866"	53 <sup>m</sup> / <sub>m</sub>	15720	31 <sup>m</sup> / <sub>m</sub>	60 <sup>m</sup> / <sub>m</sub>	1	Slight Dome

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

(Continued) ARIEL

1	1	1 <sup>1</sup> / <sub>16</sub> "	KP.7128 P.4398 DO.7432	3560/V	3560/V	20-61 <sup>m</sup> / <sub>m</sub>	RC55	I496A	FS.1064
	1	1 <sup>1</sup> / <sub>16</sub> "							
	1	1 <sup>1</sup> / <sub>8</sub> "							
2	2	1 <sup>1</sup> / <sub>16</sub> "	MP.6161 MDO.6162			20-61 <sup>m</sup> / <sub>m</sub>	RC55	4189A	FS.1064
	1	1 <sup>1</sup> / <sub>8</sub> "							
3	1	1 <sup>1</sup> / <sub>16</sub> "	KTP.10793 MP.7312 MDO.7313	10850/V	10850/V	·8115"	RC55	4310A	
	1	1 <sup>1</sup> / <sub>16</sub> "							
	1	1 <sup>1</sup> / <sub>8</sub> "							
4	2	1 <sup>1</sup> / <sub>16</sub> "	P.2478 DO.2479	3600/V	3600/V	·8115"	RC55	4310A	FS.755
	1	1 <sup>1</sup> / <sub>8</sub> "							
5	1	1 <sup>1</sup> / <sub>16</sub> "	KTP.10793 P.8805 DO.5734			·8115"	RC55	4310A	FS.755
	1	1 <sup>1</sup> / <sub>16</sub> "							
	1	1 <sup>1</sup> / <sub>8</sub> "							
6	1	1 <sup>1</sup> / <sub>16</sub> "	KP.10573 P.7683 DO.7682	17830/V	17830/V	·8115"	RC55	4310A	FS.755 (for Cast Iron barrels) FS.2417 (for Alum. barrels)
	1	1 <sup>1</sup> / <sub>16</sub> "							
	1	1 <sup>1</sup> / <sub>8</sub> "							
7	1	1 <sup>1</sup> / <sub>16</sub> "	KTP.10793 P.8805 DO.5734	8550/V	8550/V	·8115"	RC55	4310A	FS.755 (for Cast Iron barrels) FS.2417 (for Alum. barrels)
	1	1 <sup>1</sup> / <sub>16</sub> "							
	1	1 <sup>1</sup> / <sub>8</sub> "							
8	1	1 <sup>1</sup> / <sub>16</sub> "	KTP.10574 P.7680 DO.7681	To 1949 3580/V After 1949 3590/V	3592/V 3592/V	20-61 <sup>m</sup> / <sub>m</sub>	RC55	4311A	FS.752
	1	1 <sup>1</sup> / <sub>16</sub> "							
	1	1 <sup>1</sup> / <sub>8</sub> "							

BERINI

9	2	2-5 <sup>m</sup> / <sub>m</sub>	P.13551M	9750/V	9750/V	12 <sup>m</sup> / <sub>m</sub>	RC257	5389A	
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BIANCHI

10	2	2-5 <sup>m</sup> / <sub>m</sub>	TP.16292G	I3930/V	I3930/V	12 <sup>m</sup> / <sub>m</sub>	S.C.	4959A	
11	2	2-5 <sup>m</sup> / <sub>m</sub>	P.16301G	I3940/V	I3940/V	12 <sup>m</sup> / <sub>m</sub>	S.C.	5888A	
12	3	2 <sup>m</sup> / <sub>m</sub>	P.17946G	I7680/V	I7680/V	14 <sup>m</sup> / <sub>m</sub>	S.C.	6261A	
13	2	2 <sup>m</sup> / <sub>m</sub>	TP.16836	I4950/V	I4950/V	16 <sup>m</sup> / <sub>m</sub>	S.C.	5778A	
	2	3 <sup>m</sup> / <sub>m</sub>	EDO.17048						





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

**BINETTA** (Refer to SACHS)

**BINZ** (Refer to SACHS)

**B.M.W.**

1	1949/51	245 c.c. O.H.V. R24, R25, R25/2...	H'lex Tin Plated	2-6772"	68 <sup>m</sup> / <sub>m</sub>	I3574	34.5 <sup>m</sup> / <sub>m</sub>	70.5 <sup>m</sup> / <sub>m</sub>	1 Stepped Dome (with valve pockets)
2	1949/54	250 c.c. R51/1, 1 Cyl. .... 494 c.c. R51/2, 2 Cyl. ....	H'lex	2-6772"	68 <sup>m</sup> / <sub>m</sub>	I4182	35 <sup>m</sup> / <sub>m</sub>	63 <sup>m</sup> / <sub>m</sub>	1/2 Dome (with valve pockets)
3	1959/62	500 c.c. O.H.V. R50, C.R. 6-8 to 1 (R.B.P.) .....		2-6772"	68 <sup>m</sup> / <sub>m</sub>	RWI5588	37.5 <sup>m</sup> / <sub>m</sub>	65.5 <sup>m</sup> / <sub>m</sub>	2 Dome (with valve pockets)
4	1961/2	250 c.c. O.H.V. R27 .....	H'lex	2-6772"	68 <sup>m</sup> / <sub>m</sub>	WI5749	51.25 <sup>m</sup> / <sub>m</sub>	81.25 <sup>m</sup> / <sub>m</sub>	1 Dome (with valve pockets)
5	1952/4	590 c.c. O.H.V. R67, R67/2 (R.B.P.)	H'lex	2-8346"	72 <sup>m</sup> / <sub>m</sub>	RWI5532	38.2 <sup>m</sup> / <sub>m</sub>	69.2 <sup>m</sup> / <sub>m</sub>	2 Dome Radiused

**BOND** (Refer to J.A.P. and VILLIERS)

**BOWN** (Refer to SACHS and VILLIERS)

**BRITAX** (Refer to DUCATI)

**BRITISH ANZANI**

6	322 c.c. Air Cooled Two Port, Two Stroke .....	H'lex	2-3625"	60.006 <sup>m</sup> / <sub>m</sub>	I4078	1 <sup>21</sup> / <sub>64</sub> "	2 <sup>49</sup> / <sub>64</sub> "	2 Dome
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**BROCKHOUSE**

7	248 c.c. S.V. C.R. 6-3 to 1 .....	H'lex	2-5394"	64.5 <sup>m</sup> / <sub>m</sub>	I0933	1 <sup>1</sup> / <sub>32</sub> "	2 <sup>3</sup> / <sub>8</sub> "	1 Flat
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RINGS			RING SETS		PINS			LINERS
Line No.	No. of Rings	Width	Ref No.	Original Regular	Replacement Regular	Dia.	Type	Ref No.

(Refer to SACHS) **BINETTA**

(Refer to SACHS) **BINZ**

**B.M.W.**

1	2 1 1	2 <sup>m</sup> / <sub>m</sub> 2 <sup>m</sup> / <sub>m</sub> 4 <sup>m</sup> / <sub>m</sub>	TP.I2930 OP.I2931 DO.5297	I0330/V	I0330/V	18 <sup>m</sup> / <sub>m</sub>	RC217	3747A
2	2 1 1	2 <sup>m</sup> / <sub>m</sub> 2 <sup>m</sup> / <sub>m</sub> 4 <sup>m</sup> / <sub>m</sub>	TP.I2930 OP.I2931 DO.5297	1 Cyl. 7100/V 2 Cyl. 7090/V	I0330/V 7092/V	18 <sup>m</sup> / <sub>m</sub>	RC47	3747A
3	1 1 1 1	2 <sup>m</sup> / <sub>m</sub> 1.5 <sup>m</sup> / <sub>m</sub> 2 <sup>m</sup> / <sub>m</sub> 4 <sup>m</sup> / <sub>m</sub>	TP.I7146 P.I7147 N.I7148 DO.I7149	I5300/V	I5300/V	20 <sup>m</sup> / <sub>m</sub>	RC224	5686A
4	1 1 1	2 <sup>m</sup> / <sub>m</sub> 2 <sup>m</sup> / <sub>m</sub> 4 <sup>m</sup> / <sub>m</sub>	KTP.I6914 TP.I7146 EDO.I7118	I6510/V	I6510/V	20 <sup>m</sup> / <sub>m</sub>	RC224	5686A
5	2 1 2	2 <sup>m</sup> / <sub>m</sub> 2 <sup>m</sup> / <sub>m</sub> 4 <sup>m</sup> / <sub>m</sub>	TP.I7003 N.I6107 DO.I4573	I5270/V	I5270/V	18 <sup>m</sup> / <sub>m</sub>	S.C.	4530A

(Refer to J.A.P. and VILLIERS) **BOND**

(Refer to SACHS and VILLIERS) **BOWN**

(Refer to DUCATI) **BRITAX**

**BRITISH ANZANI**

6	1 2	1 <sup>1</sup> / <sub>16</sub> " 1 <sup>1</sup> / <sub>16</sub> "	KTP.I2993M P.I0425M	I2950/V	I2950/V	.6141"	RC45 RC131	3353A
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**BROCKHOUSE**

7	2 1	1 <sup>1</sup> / <sub>16</sub> " 1 <sup>1</sup> / <sub>8</sub> "	P.6960 DO.6957			5 <sup>5</sup> / <sub>8</sub> "	S.C.	I894A FS.2144
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PISTONS									
Line No.	Make and Year	Model	Metal	Cylinder Bore Inches Millimetres	Ref. No.	Comp.	Length	No. of Cyls.	Head

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

**B.S.A.**

1	1953/6	35 c.c. Winged Wheel, W1, Cycle Motor Attachment, Two Stroke	H'lex	1.4165"	35.979 <sup>m</sup> / <sub>m</sub>	12348	3/4"	1 5/8"	1	Dome
2	1956/61	70 c.c. Dandy 70, Scooter, Two Stroke (Standard size only recommended).....	H'lex	1.7735"	45.047 <sup>m</sup> / <sub>m</sub>	13191	1.222"	2.350"	1	Slight Dome
3	1947/63	123 c.c. D1, Bantam, Two Stroke (Recommended Maximum Oversize is +.040").....	H'lex	2.047"	51.993 <sup>m</sup> / <sub>m</sub>	10399	1.45"	2.637"	1	Dome
4	1959/63	249 c.c. O.H.V. Sunbeam Scooter, B2, C.R. 6.4 to 1.....	H'lex	2.2047"	56 <sup>m</sup> / <sub>m</sub>	14588	1 3/32"	2 1/16"	2	Flat Bev'ld (with valve pockets)
5	1954	150 c.c. D3, Bantam Major, Two Stroke	H'lex	2.244"	56.997 <sup>m</sup> / <sub>m</sub>	12543	35 <sup>m</sup> / <sub>m</sub>	65 <sup>m</sup> / <sub>m</sub>	1	Dome
6	1955/8	148 c.c. D3, Bantam Major, Two Stroke.....	H'lex	2.244"	56.997 <sup>m</sup> / <sub>m</sub>	12923	1.270"	2.455"	1	Flat
7	1958/63	173 c.c. D5, D7, Bantam Super, B1 Sunbeam, Two Stroke....	H'lex	2.4213	61.5 <sup>m</sup> / <sub>m</sub>	14178	1.27"	2.455"	1	Flat
8	1947/50	500 c.c. O.H.V. A7	H'lex	2.4405"	61.988 <sup>m</sup> / <sub>m</sub>	10030	1 5/16"	2 9/16"	2	Flat Bev'ld (with valve pockets)
9	1947/50	500 c.c. O.H.V. A7, C.R. 6.6 to 1...	H'lex	2.4405"	61.988 <sup>m</sup> / <sub>m</sub>	11151	1.241"	2.491"	2	Flat Bevelled (with valve pockets)
10	1949/50	500 c.c. A7, Star Twin, C.R. 7.5 to 1	H'lex	2.4405"	61.988 <sup>m</sup> / <sub>m</sub>	10739	1 3/8"	2 5/8"	2	Flat Bev'ld (with valve pockets)
11	1933/57 1935/6	250 c.c. S.V. B1, B20, C10, C10L 250 c.c. O.H.V. B2, B18	H'lex	2.4803"	63 <sup>m</sup> / <sub>m</sub>	7150	1"	2 3/8"	1	Flat
12	1939/58	250 c.c. O.H.V. C11, C11G, C12, Coil Ignition.....	H'lex	2.4803"	63 <sup>m</sup> / <sub>m</sub>	8267	1 3/16"	2 1/2"	1	Dome Radiused
13	1962	499 c.c. O.H.V. A50, 500 Star, C.R. 7.5 to 1	H'lex	2.5787"	65.5 <sup>m</sup> / <sub>m</sub>	W15934	1.474"	2.755"	2	Flat (with valve pockets)
14	1951/60	500 c.c. O.H.V. A7, C.R. 6.6 to 1	H'lex	2.5984"	66 <sup>m</sup> / <sub>m</sub>	W11094	1.565"	2.627"	2	Flat (with valve pockets)
15	1951/60 1961/2	500 c.c. O.H.V. A7 High Comp. C.R. 7.25 to 1 500 c.c. O.H.V. A7 C.R. 7.25. to 1	H'lex	2.5984"	66 <sup>m</sup> / <sub>m</sub>	SW11288	1.625"	2.687"	2	Flat (with valve pockets)
16		(High Comp. for above) C.R. 8 to 1	H'lex	2.5984"	66 <sup>m</sup> / <sub>m</sub>	W11603	1.705"	2.767"	2	Flat (with valve pockets)
17		(High Comp. for above) C.R. 9.5 to 1	Al.	2.5984"	66 <sup>m</sup> / <sub>m</sub>	12058	1.954"	3.016"	2	Flat Bev'ld (with valve pockets)
18	1959/63	249 c.c. O.H.V. C15, 250 Star C.R. 7.5 to 1	H'lex	2.6378"	67 <sup>m</sup> / <sub>m</sub>	15137	1 27/64"	2 41/64"	1	Flat Bevelled
19		(High Comp. for above) C.R. 10 to 1	Al.	2.6378"	67 <sup>m</sup> / <sub>m</sub>	15305	1 41/64"	2 55/64"	1	Dome (with valve pockets)
20	1961/3	249 c.c. O.H.V., C15T 250 Trials, C.R. 6.5 to 1	H'lex	2.6378"	67 <sup>m</sup> / <sub>m</sub>	15417	1.324"	2.540"	1	Flat Bevelled

**B.S.A.**

1	2	1/16"	P.10106S	5480/V	5480/V	3/8"	RC94	4750A	
2	2	3/32"	P.12077S	7720/V	7720/V	7/16"	S.C.	5124A	
3	2	3/32"	P.6060S	3620/V	3620/V	15/32"	RC240	3883A	
4	2 1	1/16" 3/32"	TP.13725 DO.13723	11760/V	11760/V	9/16"	RC225	6141A	
5	2	3/32"	P.10503S	5560/V	5560/V	15/32"	RC240	4832A	
6	2	3/32"	P.10503S	5560/V	5560/V	15/32"	RC240	4832A	
7	2	3/32"	P.14510S	10940/V	10940/V	9/16"	RC273	3244A	
8	2 1	1/16" 1/8"	P.5100 DO.5101	3630/V	3630/V	11/16"	RC27	3713A	FS.2012
9	2 1	1/16" 1/8"	P.5100 DO.5101	3630/V	3630/V	11/16"	RC27	3713A	FS.2012
10	2 1	1/16" 1/8"	P.5100 DO.5101	3630/V	3630/V	11/16"	RC27	3713A	FS.2012
11	2 1	1/16" 1/8"	P.1551 DO.159	3640/V	3640/V	5/8"	S.C.	1894A	FS.681 FS.639 (For Models C10, C10L) FS.1917
12	2 1	1/16" 1/8"	P.1551 DO.159	3640/V	3640/V	5/8"	S.C.	1894A	
13	2 1	1/16" 1/8"	TP.17867 DO.17868	17360/V	17360/V	3/4"	RC93	5183A	
14	2 1	1/16" 1/8"	P.7282 DO.7283	4550/V	4550/V	11/16"	RC27	4205A	FS.2207
15	2 1	1/16" 1/8"	P.7282 DO.7283	4550/V	4550/V	11/16"	RC27	4205A	FS.2207
16	2 1	1/16" 1/8"	P.7282 DO.7283	4550/V	4550/V	11/16"	RC27	4205A	FS.2207
17	2 1	1/16" 1/8"	P.7282 DO.7283	4550/V	4550/V	11/16"	RC27	4205A	FS.2207
18	2 1	1/16" 1/8"	TP.13155 DO.14901	11640/V	11640/V	11/16"	RC87	5656A	FS.2955
19	2 1	1/16" 1/8"	TP.13155 DO.14901	11640/V	11640/V	11/16"	RC87	5656A	FS.2955
20	2 1	1/16" 1/8"	TP.13155 DO.14901	11640/V	11640/V	11/16"	RC87	5656A	FS.2955





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

B.S.A. (Continued)

1	1950/9	650 c.c.	O.H.V. A10, Golden Flash, C.R. 6-5 to 1 .....	H'lex	2.7555"	69.989 <sup>m</sup> / <sub>m</sub>	W11016	1.321"	2.555"	2	Concave
2	1950/9	650 c.c.	O.H.V. A10 Golden Flash, High Comp. C.R. 7-25 to 1 .....	H'lex	2.7555"	69.989 <sup>m</sup> / <sub>m</sub>	W11062	1.359"	2.593"	2	Flat (with valve pockets)
	1960/2	650 c.c.	O.H.V. A10 Golden Flash C.R. 7.25 to 1 .....								
3			(High Comp. for above) C.R. 8 to 1 .....	H'lex	2.7555"	69.989 <sup>m</sup> / <sub>m</sub>	W11431	1.420"	2.654"	2	Flat (with valve pockets)
			(Suitable also for A10 Road Rocket and Super Rocket)								
4			(High Comp. for above) C.R. 8-5 to 1 .....	H'lex	2.7555"	69.989 <sup>m</sup> / <sub>m</sub>	W11787	1.505"	2.739"	2	Flat Bev'd (with valve pockets)
5			(High Comp. for above) C.R. 9 to 1 .....	H'lex	2.7555"	69.989 <sup>m</sup> / <sub>m</sub>	11412	1.700"	2.932"	2	Dome Stepped (with valve pockets)
6			(High Comp. for above) C.R. 10-5 to 1 .....	Al.	2.7555"	69.989 <sup>m</sup> / <sub>m</sub>	15638	1.909"	3.143"	2	Cone (with valve pockets)
7	1954/6 } 1959 }	348 c.c.	O.H.V. B32 Gold Star, C.R. 6-5 to 1 .....	Al.	2.793"	70.942 <sup>m</sup> / <sub>m</sub>	13165	1 <sup>9</sup> / <sub>32</sub> "	2 <sup>21</sup> / <sub>64</sub> "	1	Flat (with valve pockets)
8			(High Comp. for above) C.R. 8-2 to 1 .....	Al.	2.793"	70.942 <sup>m</sup> / <sub>m</sub>	13104	1.445"	2.492"	1	Flat Radiused (with valve pockets)
9			(High Comp. or above) C.R. 9 to 1 .....	Al.	2.793"	70.942 <sup>m</sup> / <sub>m</sub>	13090	1.566"	2.613"	1	Flat Radiused (with valve pockets)
10			(High Comp. for above) C.R. 10 to 1 .....	Al.	2.793"	70.942 <sup>m</sup> / <sub>m</sub>	13774	1 <sup>45</sup> / <sub>64</sub> "	2 <sup>3</sup> / <sub>4</sub> "	1	Flat Bevelled (with valve pockets)
11	1935/6 } 1939 } 1940 } 1941 } 1946/59 }	348 c.c.	O.H.V. De Luxe Single Port, R35-4, R36-17 ... B23 .....	H'lex	2.7953"	71 <sup>m</sup> / <sub>m</sub>	15504	1 <sup>5</sup> / <sub>32</sub> "	2 <sup>27</sup> / <sub>32</sub> "	1	Flat (with valve pockets)
			B26, C23 .....								
			B30WD, C12 .....								
			O.H.V. B31, B32, C.R. 6-5 to 1 .....								
12			(High Comp. for above) C.R. 7-75 to 1 .....	H'lex	2.7953"	71 <sup>m</sup> / <sub>m</sub>	9939	1 <sup>5</sup> / <sub>8</sub> "	3 <sup>5</sup> / <sub>16</sub> "	1	Dome (with valve pockets)
13			(High Comp. for above) C.R. 9 to 1 .....	H'lex	2.7953"	71 <sup>m</sup> / <sub>m</sub>	11813	35.5 <sup>m</sup> / <sub>m</sub>	74.5 <sup>m</sup> / <sub>m</sub>	1	Flat Bevelled (with valve pockets)
14	1962	654 c.c.	O.H.V. A65, 650 Star C.R. 7-5 to 1 .....	H'lex	2.9527"	75 <sup>m</sup> / <sub>m</sub>	W15933	1.694"	2.975"	2	Flat (with valve pockets)
15	1961/2	343 c.c.	O.H.V. B40, 350 Star, C.R. 7 to 1 .....	H'lex	3.1102"	79 <sup>m</sup> / <sub>m</sub>	W15544	1 <sup>39</sup> / <sub>64</sub> "	2.887"	1	Flat Bevelled (with valve pockets)
16	1937/55	496 c.c.	S.V. WD, M20, C.R. 4-9 to 1 .....	H'lex	3.2283"	82 <sup>m</sup> / <sub>m</sub>	W11957	1 <sup>19</sup> / <sub>32</sub> "	3 <sup>11</sup> / <sub>32</sub> "	1	Flat

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

(Continued) B.S.A.

1	2	1 <sup>1</sup> / <sub>16</sub> "	P.7114	3650/V	3650/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	FS.2131
	1	1 <sup>1</sup> / <sub>8</sub> "	DO.7115						
2	2	1 <sup>1</sup> / <sub>16</sub> "	P.7114	3650/V	3650/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	FS.2131
	1	1 <sup>1</sup> / <sub>8</sub> "	DO.7115						
3	2	1 <sup>1</sup> / <sub>16</sub> "	P.7114	3650/V	3650/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	FS.2131
	1	1 <sup>1</sup> / <sub>8</sub> "	DO.7115						
4	2	1 <sup>1</sup> / <sub>16</sub> "	P.7114	3650/V	3650/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	FS.2131
	1	1 <sup>1</sup> / <sub>8</sub> "	DO.7115						
5	2	1 <sup>1</sup> / <sub>16</sub> "	P.7114	3650/V	3650/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	FS.2131
	1	1 <sup>1</sup> / <sub>8</sub> "	DO.7115						
6	2	1 <sup>1</sup> / <sub>16</sub> "	MP.6643	—	15842/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	FS.2131
	1	1 <sup>1</sup> / <sub>8</sub> "	MDO.6644						
7	2	1 <sup>1</sup> / <sub>16</sub> "	MP.16267	7400/V	7400/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	FS.2558
	1	1 <sup>1</sup> / <sub>8</sub> "	MDO.11751						FS.2602
8	2	1 <sup>1</sup> / <sub>16</sub> "	MP.16267	7400/V	7400/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	FS.2558
	1	1 <sup>1</sup> / <sub>8</sub> "	MDO.11751						FS.2602
9	2	1 <sup>1</sup> / <sub>16</sub> "	MP.16267	7400/V	7400/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	FS.2558
	1	1 <sup>1</sup> / <sub>8</sub> "	MDO.11751						FS.2602
10	2	1 <sup>1</sup> / <sub>16</sub> "	MP.16267	7400/V	7400/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	FS.2558
	1	1 <sup>1</sup> / <sub>8</sub> "	MDO.11751						FS.2602
11	2	3 <sup>3</sup> / <sub>32</sub> "	P.6240	3660/V	3660/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	FS.734
	1	1 <sup>1</sup> / <sub>8</sub> "	DO.6241						
12	1	3 <sup>3</sup> / <sub>32</sub> "	TP.10146	4530/V	4530/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	FS.734
	1	3 <sup>3</sup> / <sub>32</sub> "	PC.5955						
	1	1 <sup>1</sup> / <sub>8</sub> "	DO.1409						
13	1	3 <sup>3</sup> / <sub>32</sub> "	TP.10146	4530/V	4530/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	FS.734
	1	3 <sup>3</sup> / <sub>32</sub> "	PC.5955						
	1	1 <sup>1</sup> / <sub>8</sub> "	DO.1409						
14	2	1 <sup>1</sup> / <sub>16</sub> "	TP.10488	17350/V	17350/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	4149A	
	1	1 <sup>1</sup> / <sub>8</sub> "	DO.10489						
15	2	1 <sup>1</sup> / <sub>16</sub> "	TP.17071	15490/V	15492/V	3 <sup>3</sup> / <sub>4</sub> "	RC85	4754A	
	2	5 <sup>5</sup> / <sub>32</sub> "	DO.14088						
16	2	3 <sup>3</sup> / <sub>32</sub> "	P.9017	3670/V	3672/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	3000A	FS.1258
	1	1 <sup>1</sup> / <sub>8</sub> "	DO.5639						





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

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

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B.S.A. (Continued)

1	1938	600 c.c. S.V. M21	H'lex	3-2283"	82 <sup>m</sup> / <sub>m</sub>	WI2731	17 <sup>1</sup> / <sub>32</sub> "	23 <sup>3</sup> / <sub>4</sub> "	1 Slight Concave
2	1939/58	600 c.c. S.V. M21	H'lex	3-2283"	82 <sup>m</sup> / <sub>m</sub>	WI2659	17 <sup>1</sup> / <sub>32</sub> "	23 <sup>3</sup> / <sub>4</sub> "	1 Slight Concave
3	1954/62	499 c.c. O.H.V. B34 Gold Star, C.R. 7-25 to 1	H'lex	3-344"	84-937 <sup>m</sup> / <sub>m</sub>	I2804	115 <sup>1</sup> / <sub>32</sub> "	221 <sup>1</sup> / <sub>32</sub> "	1 Flat Radiused (with valve pockets)
4		(High Comp. for above) C.R. 8-5 to 1	H'lex	3-344"	84-937 <sup>m</sup> / <sub>m</sub>	I3012	1-600"	2-785"	1 Flat Radiused (with valve pockets)
5		(High Comp. for above) C.R. 9 to 1	Al.	3-344"	84-937 <sup>m</sup> / <sub>m</sub>	I3052	1-703"	2-89"	1 Stepped Dome (with valve pockets)
6	1947/52	499 c.c. O.H.V. B33, B34, B34 Gold Star, M33 C.R. 6-8 to 1 (Long Con-Rod)	H'lex	3-3464"	85 <sup>m</sup> / <sub>m</sub>	WI1341	17 <sup>1</sup> / <sub>32</sub> "	229 <sup>1</sup> / <sub>32</sub> "	1 Flat (with valve pockets)
7		(High Comp. for above) C.R. 7-5 to 1	H'lex	3-3464"	85 <sup>m</sup> / <sub>m</sub>	WI1342	1-395"	3-085"	1 Flat Bevelled (with valve pockets)
8		(High Comp. for above) C.R. 8-5 to 1	H'lex	3-3464"	85 <sup>m</sup> / <sub>m</sub>	WI2010	133 <sup>1</sup> / <sub>64</sub> "	313 <sup>1</sup> / <sub>64</sub> "	1 Flat Bevelled (with valve pockets)
9	Late 1952/60	499 c.c. O.H.V. B34, B33, M33, C.R. 7-5 to 1, C.R. 6-5 to 1 when .064" compression plate is fitted. (Short Con-Rod)	H'lex	3-3464"	85 <sup>m</sup> / <sub>m</sub>	WI1744	157 <sup>1</sup> / <sub>64</sub> "	33 <sup>1</sup> / <sub>16</sub> "	1 Flat Bevelled (with valve pockets)
10		(High Comp. for above) C.R. 8-5 to 1	H'lex	3-3464"	85 <sup>m</sup> / <sub>m</sub>	WI2279	2-015"	3-305"	1 Flat Bevelled (with valve pockets)

B.T.S. (Refer to ILO)

CAPRI

11	1958/61	70 c.c. Scooter, Two Port, Two Stroke, C.R. 7-5 to 1	H'lex	1-7716"	45 <sup>m</sup> / <sub>m</sub>	I5412	32 <sup>m</sup> / <sub>m</sub>	57-5 <sup>m</sup> / <sub>m</sub>	1 Dome
12	1961	78 c.c. 80 Scooter, Two Stroke...	H'lex	1-7716"	45 <sup>m</sup> / <sub>m</sub>	I5493	33 <sup>m</sup> / <sub>m</sub>	59 <sup>m</sup> / <sub>m</sub>	1 Dome

(Continued) B.S.A.

1	2	1-5 <sup>m</sup> / <sub>m</sub>	MTP.12107	5040/V	5040/V	3 <sup>1</sup> / <sub>4</sub> "	RC93	3000A	FS.1258
2	1	5 <sup>1</sup> / <sub>32</sub> "	MEDO.12108	3920/V	3920/V	3 <sup>1</sup> / <sub>4</sub> "	RC93	3000A	FS.1258
	1	3 <sup>1</sup> / <sub>32</sub> "	KTP.7132						
	1	3 <sup>1</sup> / <sub>32</sub> "	P.536						
	1	1 <sup>1</sup> / <sub>8</sub> "	DO.539						
3	2	1 <sup>1</sup> / <sub>16</sub> "	MP.11272	7700/V	7700/V	3 <sup>1</sup> / <sub>4</sub> "	RC93	4436A	FS.2662
	1	5 <sup>1</sup> / <sub>32</sub> "	MSO.11492						
4	2	1 <sup>1</sup> / <sub>16</sub> "	MP.11272	7700/V	7700/V	3 <sup>1</sup> / <sub>4</sub> "	RC93	4436A	FS.2662
	1	5 <sup>1</sup> / <sub>32</sub> "	MSO.11492						
5	2	1 <sup>1</sup> / <sub>16</sub> "	MP.11272	7700/V	7700/V	3 <sup>1</sup> / <sub>4</sub> "	RC93	4436A	FS.2662
	1	5 <sup>1</sup> / <sub>32</sub> "	MSO.11492						
6	2	3 <sup>1</sup> / <sub>32</sub> "	MP.5603	3680/V	3680/V	3 <sup>1</sup> / <sub>4</sub> "	RC93	4436A	FS.2107 (for Cast Iron barrels)
	1	5 <sup>1</sup> / <sub>32</sub> "	OC.5604						FS.2112 (for Alum. barrels)
7	2	3 <sup>1</sup> / <sub>32</sub> "	MP.5603	3680/V	3680/V	3 <sup>1</sup> / <sub>4</sub> "	RC93	4436A	FS.2107 (for Cast Iron barrels)
	1	5 <sup>1</sup> / <sub>32</sub> "	OC.5604						FS.2112 (for Alum. barrels)
8	2	3 <sup>1</sup> / <sub>32</sub> "	MP.5603	3680/V	3680/V	3 <sup>1</sup> / <sub>4</sub> "	RC93	4436A	FS.2107 (for Cast Iron barrels)
	1	5 <sup>1</sup> / <sub>32</sub> "	OC.5604						FS.2112 (for Alum. barrels)
9	2	3 <sup>1</sup> / <sub>32</sub> "	MP.5603	3680/V	3680/V	3 <sup>1</sup> / <sub>4</sub> "	RC93	4436A	FS.2107
	1	5 <sup>1</sup> / <sub>32</sub> "	OC.5604						
10	2	3 <sup>1</sup> / <sub>32</sub> "	MP.5603	3680/V	3680/V	3 <sup>1</sup> / <sub>4</sub> "	RC93	4436A	FS.2107
	1	5 <sup>1</sup> / <sub>32</sub> "	OC.5604						

(Refer to ILO) B.T.S.

CAPRI

11	3	2 <sup>m</sup> / <sub>m</sub>	TP.10944G	6480/V	6480/V	14 <sup>m</sup> / <sub>m</sub>	S.C.	1718A	
12	2	2-5 <sup>m</sup> / <sub>m</sub>	TP.16247G	16630/V	16630/V	13 <sup>m</sup> / <sub>m</sub>	S.C.	6051A	



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

CENTRO

1	49 c.c.	Mo-Ped, Two Stroke	H'lex	1.4961"	38 <sup>m</sup> / <sub>m</sub>	15266	30.5 <sup>m</sup> / <sub>m</sub>	61.5 <sup>m</sup> / <sub>m</sub>	1 Dome
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CLAEYS (Refer to FLANDRIA)

COMMANDER (Refer to VILLIERS)

CORGI

2	1946/54	98 c.c. Spryt, Two stroke	*H'lex	1.9685"	50 <sup>m</sup> / <sub>m</sub>	9479	1.2863"	2.833"	1 Dome
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COTTON (Refer to J.A.P. and VILLIERS)

COVENTRY EAGLE (Refer to VILLIERS)

CYCLEMASTER

3	1952/61	32 c.c. Cycle Motor Attachment (Unit 73501 upwards) Cyclamate mo-ped, Two Stroke (Recommended maximum oversize is +.020")	H'lex	1.4173"	36 <sup>m</sup> / <sub>m</sub>	11420	.956"	1.586"	1 Dome
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C.Z.

4	1949/54	123 c.c. Two Stroke	H'lex	2.0472"	52 <sup>m</sup> / <sub>m</sub>	13126	38 <sup>m</sup> / <sub>m</sub>	80 <sup>m</sup> / <sub>m</sub>	1 Dome
5		125 c.c. Model B (Con-Rod central with G Pin) Two Stroke	H'lex	2.0472"	52 <sup>m</sup> / <sub>m</sub>	11116	37 <sup>m</sup> / <sub>m</sub>	67 <sup>m</sup> / <sub>m</sub>	1 Dome
6	1949/54	148 c.c. Two Stroke	H'lex	2.2441"	57 <sup>m</sup> / <sub>m</sub>	11737	39.25 <sup>m</sup> / <sub>m</sub>	81.25 <sup>m</sup> / <sub>m</sub>	1 Dome

DAYTON (Refer to VILLIERS)

DIANA (Refer to DURKOPP)

D.K.R. (Refer to VILLIERS)

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

CENTRO

1	2	2.5 <sup>m</sup> / <sub>m</sub>	P.11213S	14770/V	14770/V	10 <sup>m</sup> / <sub>m</sub>	RC198	5143A
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(Refer to FLANDRIA) CLAEYS

(Refer to VILLIERS) COMMANDER

CORGI

2	2	3/32"	P.5429C			12.5 <sup>m</sup> / <sub>m</sub>	S.C.	3563A
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(Refer to J.A.P. and VILLIERS) COTTON

(Refer to VILLIERS) COVENTRY EAGLE

CYCLEMASTER

3	2	.0783"	P.7884M	5620/V	5620/V	9 <sup>m</sup> / <sub>m</sub>	RC186	4346A
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C.Z.

4	3	2.5 <sup>m</sup> / <sub>m</sub>	P.7376S			15 <sup>m</sup> / <sub>m</sub>	S.C.	3023A
5	2	2.5 <sup>m</sup> / <sub>m</sub>	P.7376S			12 <sup>m</sup> / <sub>m</sub>	RC108	4235A
6	2	2.5 <sup>m</sup> / <sub>m</sub>	ZP.8359S			15 <sup>m</sup> / <sub>m</sub>	S.C.	4500A

(Refer to VILLIERS) DAYTON

(Refer to DURKOPP) DIANA

(Refer to VILLIERS) D.K.R.



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

D.K.W.

1		49 c.c. Hummel Mo-ped, Two Port Two Stroke .....	H'lex	1.5748"	40 <sup>m</sup> / <sub>m</sub>	15078	34 <sup>m</sup> / <sub>m</sub>	53 <sup>m</sup> / <sub>m</sub>	1 Dome
2		74 c.c. Hobby Scooter, Two Stroke	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 Dome
3	1939/45 1952/5	125 c.c. .... RT125/2, .....	H'lex	2.0472"	52 <sup>m</sup> / <sub>m</sub>	15554	37 <sup>m</sup> / <sub>m</sub>	67.16 <sup>m</sup> / <sub>m</sub>	1 Dome
		Two Port, Two Stroke							
4	1959	197 c.c. RT200VS, Two Stroke.....	H'lex	2.5984"	66 <sup>m</sup> / <sub>m</sub>	15500	46 <sup>m</sup> / <sub>m</sub>	77 <sup>m</sup> / <sub>m</sub>	1 Dome

D.M.W. (Refer to VILLIERS)

D.O.T. (Refer to BROCKHOUSE and VILLIERS)

DOT-VIVI (Refer to VICTORIA)

DOUGLAS

5	1961	125DR, 232L2, Vespa, Two Port, Two Stroke .....	H'lex	2.0669"	52.5 <sup>m</sup> / <sub>m</sub>	15339	40.9 <sup>m</sup> / <sub>m</sub>	69.9 <sup>m</sup> / <sub>m</sub>	1 Dome
6	1955/8	124 c.c. Vespa, GL2, World, 42/L2	H'lex	2.1260"	54 <sup>m</sup> / <sub>m</sub>	13464	41 <sup>m</sup> / <sub>m</sub>	75 <sup>m</sup> / <sub>m</sub>	1 2 Str.
7	1959/61	124 c.c. Vespa, Standard, 42/L2, Two Port, C.R. 6-5 to 1	H'lex	2.1260"	54 <sup>m</sup> / <sub>m</sub>	15415	45 <sup>m</sup> / <sub>m</sub>	76 <sup>m</sup> / <sub>m</sub>	1 2-Str.
8	1951/4	125 c.c. Vespa, G.....	*H'lex	2.2244"	56.5 <sup>m</sup> / <sub>m</sub>	111216	44.5 <sup>m</sup> / <sub>m</sub>	73.5 <sup>m</sup> / <sub>m</sub>	1 2 Str.
9	1955	145 c.c. Vespa GS, Two Port, Two Stroke .....	H'lex	2.2441"	57 <sup>m</sup> / <sub>m</sub>	13572	37 <sup>m</sup> / <sub>m</sub>	71 <sup>m</sup> / <sub>m</sub>	1 Dome
10	1956/62	145.6 c.c. Vespa GS, Two Port, Two Stroke .....	H'lex	2.2441"	57 <sup>m</sup> / <sub>m</sub>	14034	37 <sup>m</sup> / <sub>m</sub>	71 <sup>m</sup> / <sub>m</sub>	1 Dome
11	1958/9	145.6 c.c. Vespa Clubman .....	H'lex	2.2441"	57 <sup>m</sup> / <sub>m</sub>	13221	42 <sup>m</sup> / <sub>m</sub>	79 <sup>m</sup> / <sub>m</sub>	1 2 Str.
12	1960/2	145 c.c. Vespa 150, VBA, Sportique, Two Port, C.R. 6-5 to 1	H'lex	2.2441"	57 <sup>m</sup> / <sub>m</sub>	15196	47 <sup>m</sup> / <sub>m</sub>	77.5 <sup>m</sup> / <sub>m</sub>	1 2-Str.
13	1946/7	348 c.c. O.H.V. T35, Mark I and II, Horizontally opposed flat twin, C.R. 6-1 to 1.....	Al.	2.3937"	60.8 <sup>m</sup> / <sub>m</sub>	10003	1 <sup>21</sup> / <sub>32</sub> "	2 <sup>7</sup> / <sub>8</sub> "	2 Spec. Dome
14	1948/54	348 c.c. O.H.V. T35, Mark III, IV, V (R.B.P.).....	Al. Tin plated	2.3937"	60.8 <sup>m</sup> / <sub>m</sub>	10442	1 <sup>5</sup> / <sub>32</sub> "	2 <sup>3</sup> / <sub>8</sub> "	2 Flat Bevelled (with valve pockets)
15	1950/4	348 c.c. O.H.V. 80 plus, 90 plus, C.R. 8-25 to 1 (R.B.P.)	Al.	2.3937"	60.8 <sup>m</sup> / <sub>m</sub>	11366	1 <sup>5</sup> / <sub>32</sub> "	2 <sup>3</sup> / <sub>8</sub> "	2 Flat Bevelled (with valve pockets)
16	1955/7	348 c.c. O.H.V. Dragonfly, C.R. 8 to 1 (R.B.P.) .....	H'lex	2.3937"	60.8 <sup>m</sup> / <sub>m</sub>	RSW11854	1 <sup>5</sup> / <sub>32</sub> "	2 <sup>21</sup> / <sub>32</sub> "	2 Flat Bevelled (with valve pockets)

DUCATI

17		48 c.c. O.H.V. Cucciolo, TI, Cycle Motor Attachment ... (Recommended maximum oversize is +.040")	H'lex	1.5354"	39 <sup>m</sup> / <sub>m</sub>	11604	26.25 <sup>m</sup> / <sub>m</sub>	44.75 <sup>m</sup> / <sub>m</sub>	1 Flat
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RINGS				RING SETS		PINS		LINERS
Line No.	No. of Rings	Width	Ref. No.	Original Regular	Replacement Regular	Dia.	Type	Ref. No.

D.K.W.

1	2	2 <sup>m</sup> / <sub>m</sub>	P.16249S	13670/V	13670/V	10 <sup>m</sup> / <sub>m</sub>	RC49	4953A
2	2	2 <sup>m</sup> / <sub>m</sub>	TP.12608S	8610/V	8610/V	12 <sup>m</sup> / <sub>m</sub>	RC108	5206A
3	2	2 <sup>m</sup> / <sub>m</sub>	TP.17044S	15830/V	15830/V	12 <sup>m</sup> / <sub>m</sub>	S.C.	2368A
4	3	2 <sup>m</sup> / <sub>m</sub>	TP.17111S	15540/V	15540/V	18 <sup>m</sup> / <sub>m</sub>	S.C.	4494A

(Refer to VILLIERS) D.M.W.

(Refer to BROCKHOUSE and VILLIERS) D.O.T.

(Refer to VICTORIA) DOT-VIVI

DOUGLAS

5	2	2.5 <sup>m</sup> / <sub>m</sub>	ZP.16528G	15630/V	15630/V	14.991 <sup>m</sup> / <sub>m</sub>	S.C.	6123A	
6	2	2.5 <sup>m</sup> / <sub>m</sub>	MZP.9636ZH	5980/V	5980/V	15 <sup>m</sup> / <sub>m</sub>	RC188	4671A	
7	2	2.5 <sup>m</sup> / <sub>m</sub>	MZP.9636ZH	5980/V	5980/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	4671A	
8	2	2.5 <sup>m</sup> / <sub>m</sub>	MZP.7434ZH	5640/V	5640/V	15 <sup>m</sup> / <sub>m</sub>	RC188	4263A	
9	2	2.5 <sup>m</sup> / <sub>m</sub>	MZP.13481ZH	9910/V	9910/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	5381A	
10	2	2.5 <sup>m</sup> / <sub>m</sub>	MZP.13481ZH	9910/V	9910/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	5381A	
11	2	2.5 <sup>m</sup> / <sub>m</sub>	MZP.13481ZH	9910/V	9910/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	5381A	
12	1	2.5 <sup>m</sup> / <sub>m</sub>	KP.13871ZH	9910/V	9910/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	5381A	
13	2	1 <sup>1</sup> / <sub>16</sub> "	P.5534 DO.4328			5 <sup>5</sup> / <sub>8</sub> "	RC112	3056A	FS.1772
14	2	1 <sup>1</sup> / <sub>16</sub> "	P.5534 SS.4329	5050/V	5050/V	5 <sup>5</sup> / <sub>8</sub> "	RC112	3056A	FS.2509
15	2	1 <sup>1</sup> / <sub>16</sub> "	MP.7755 MSS.7756	5670/V	5670/V	5 <sup>5</sup> / <sub>8</sub> "	RC112	3056A	FS.2091
16	1	1 <sup>1</sup> / <sub>16</sub> "	KP.16550 MSS.7756 DO.9634	9640/V	9640/V	5 <sup>5</sup> / <sub>8</sub> "	RC112	3056A	FS.2509

DUCATI

17	2	2.2 <sup>m</sup> / <sub>m</sub>	P.8143 SS.8144	6160/V	6160/V	11.5 <sup>m</sup> / <sub>m</sub>	RC178	4437A	
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PISTONS									
Line No.	Make and Year	Model	Metal	Cylinder Bore Inches Millimetres	Ref. No.	Comp.	Length	No. of Cyls.	Head

### DURKOPP

1	194 c.c.	Diana Scooter, Two Stroke	H'lex	2.5197"	64 $\frac{m}{m}$	14002	39 $\frac{m}{m}$	72 $\frac{m}{m}$	1 Flat
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**ENFIELD** (Refer to ROYAL ENFIELD)

**EXCELSIOR** (Refer also to VILLIERS)

2	1946/56	98 c.c. Autobyk, Goblin, G2, Spryt, S1, Two Stroke...	*H'lex	1.9685"	50 $\frac{m}{m}$	9479	1.2863"	2.833"	1 Dome
3	1950/62	244 c.c. Talisman Twin, Two Stroke	*H'lex	1.9685"	50 $\frac{m}{m}$	10894	1 $\frac{1}{32}$ "	2 $\frac{3}{4}$ "	2 Slight Dome
4	1953/7	148 c.c. Courier, C1, C2, C3, Convoy C4, Two Stroke	*H'lex	2.1653"	55 $\frac{m}{m}$	11291	1 $\frac{1}{32}$ "	2 $\frac{3}{4}$ "	1 Slight Dome
5	1959/62	147 c.c. Monarch Scooter, Two Stroke, C.R. 7.3 to 1.....	*H'lex	2.1653"	55 $\frac{m}{m}$	14767	1 $\frac{1}{32}$ "	2 $\frac{9}{16}$ "	1 Slight Dome
6	1958/62	328 c.c. Super Talisman, Two Stroke	*H'lex	2.2835"	58 $\frac{m}{m}$	13610	1 $\frac{1}{32}$ "	2 $\frac{3}{4}$ "	2 Dome

**F.L.M.** (Refer to J.A.P.)

**FRANCIS BARNETT** (Refer to A.M.C. and VILLIERS)

### GARELLI

7	49 c.c.	Mo-ped, Two Stroke..... (Recommended maxi- mum oversize is +.020")	H'lex	1.5748"	40 $\frac{m}{m}$	15413	22 $\frac{m}{m}$	48 $\frac{m}{m}$	1 Dome
8	1958/61	70 c.c. Super 70, Two Port, Two Stroke, C.R. 7.5 to 1.....	H'lex	1.7716"	45 $\frac{m}{m}$	15412	32 $\frac{m}{m}$	57.5 $\frac{m}{m}$	1 Dome

**GREEVES** (Refer to BRITISH ANZANI and VILLIERS)

### HARLEY DAVIDSON

9	1950/1	125 c.c. Two Stroke .....	H'lex	2 $\frac{1}{16}$ "	52.387 $\frac{m}{m}$	11395	1 $\frac{29}{64}$ "	2 $\frac{5}{8}$ "	1 Dome
10	1953/62	164 c.c. ST165, Topper Scooter, Two Stroke .....	H'lex	2 $\frac{3}{8}$ "	60.324 $\frac{m}{m}$	11922	1 $\frac{29}{64}$ "	2 $\frac{5}{8}$ "	1 Dome
11	1929/50	750 c.c. S.V. 45 Cubic Inches .....	H'lex	2.745"	69.722 $\frac{m}{m}$	11222	1 $\frac{17}{32}$ "	2 $\frac{27}{32}$ "	2 Flat
12	1936/50	1000 c.c. O.H.V. 61 Cubic Inches, C.R. 7.5 to 1 .....	H'lex	3 $\frac{5}{16}$ "	84.137 $\frac{m}{m}$	11224	2 $\frac{7}{32}$ "	3 $\frac{21}{32}$ "	2 Spec. Dome
13	1937/50	1200 c.c. S.V. 74 Cubic Inches	H'lex	3 $\frac{5}{16}$ "	84.137 $\frac{m}{m}$	11223	1 $\frac{23}{32}$ "	3 $\frac{7}{32}$ "	2 Flat

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

### DURKOPP

1	1 2	2 $\frac{m}{m}$ 2 $\frac{m}{m}$	KTP.1394IS TP.1385IS	10150/V	10150/V	18 $\frac{m}{m}$	RC217	5448A	
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(Refer to ROYAL ENFIELD) **ENFIELD**

(Refer also to VILLIERS) **EXCELSIOR**

2	2	3 $\frac{3}{32}$ "	P.5429C			12.5 $\frac{m}{m}$	S.C.	3563A	
3	2	3 $\frac{3}{32}$ "	P.5429C	8380/V	8380/V	12.5 $\frac{m}{m}$	S.C.	3563A	
4	2	3 $\frac{3}{32}$ "	P.6689C	6740/V	6740/V	12.5 $\frac{m}{m}$	S.C.	4031A	
5	2	3 $\frac{3}{32}$ "	P.6689C	6740/V	6740/V	12.5 $\frac{m}{m}$	RC125	4031A	
6	1 1	3 $\frac{3}{32}$ " 3 $\frac{3}{32}$ "	TP.12988C TPX.12989C	9880/V	9880/V	12.5 $\frac{m}{m}$	S.C.	5279A	

(Refer to J.A.P.) **F.L.M.**

(Refer to A.M.C. and VILLIERS) **FRANCIS BARNETT**

### GARELLI

7	2	2 $\frac{m}{m}$	TP.11767G	14870/V	14870/V	12 $\frac{m}{m}$	S.C.	4948A	
8	3	2 $\frac{m}{m}$	TP.10944G	6480/V	6480/V	14 $\frac{m}{m}$	S.C.	1718A	

(Refer to BRITISH ANZANI and VILLIERS) **GREEVES**

### HARLEY DAVIDSON

9	2	3 $\frac{3}{32}$ "	P.7348S	4650/V	4650/V	9 $\frac{9}{16}$ "	S.C.	4339A	
10	2	3 $\frac{3}{32}$ "	P.8827S	4660/V	4660/V	9 $\frac{9}{16}$ "	S.C.	4571A	
11	2 1	3 $\frac{3}{32}$ " 3 $\frac{3}{16}$ "	P.5203 DO.7444	To 1946 4630/V 1947 on 4632/V	4632/V	20.10 $\frac{m}{m}$	RC32	1336A	FS.2064
12	2 1	3 $\frac{3}{32}$ " 3 $\frac{3}{16}$ "	P.7445 DO.3095	To 1945 4740/V 1946 on 4742/V	4742/V	20.10 $\frac{m}{m}$	RC32	2412A	
13	2 1	3 $\frac{3}{32}$ " 3 $\frac{3}{16}$ "	P.7445 DO.3095	To 1945 4740/V 1946 on 4742/V	4742/V	20.10 $\frac{m}{m}$	RC32	2412A	



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

HARLEY DAVIDSON (Continued)

1	1941/53	1213 c.c. O.H.V. 74 Cubic Inches, Hydralide, Std. Comp.	H'lex	3 <sup>7</sup> / <sub>16</sub> "	87.312 <sup>m</sup> / <sub>m</sub>	I1226	1 <sup>29</sup> / <sub>32</sub> "	3 <sup>9</sup> / <sub>32</sub> "	2 Spec. Dome
2		(High Comp. for above) C.R. 8-5 to 1 .....	H'lex	3 <sup>7</sup> / <sub>16</sub> "	87.312 <sup>m</sup> / <sub>m</sub>	I1227	2"	3 <sup>3</sup> / <sub>8</sub> "	2 Spec. Dome
3	1960	1213 c.c. O.H.V. FLHF, FLH, Super Sports Duoglide, C.R. 8 to 1 .....	H'lex	3 <sup>7</sup> / <sub>16</sub> "	87.312 <sup>m</sup> / <sub>m</sub>	I5786	2 <sup>3</sup> / <sub>32</sub> "	3 <sup>1</sup> / <sub>2</sub> "	2 Dome (with valve pockets)
4		(High Comp. for above)...	H'lex	3 <sup>7</sup> / <sub>16</sub> "	87.312 <sup>m</sup> / <sub>m</sub>	I5860	2 <sup>9</sup> / <sub>32</sub> "	3 <sup>11</sup> / <sub>16</sub> "	2 Dome (with valve pockets)

HEINKEL

5		174 c.c. O.H.V. Tourist, Cabin Cruiser, C.R. 7-4 to 1...	H'lex	2-3622"	60 <sup>m</sup> / <sub>m</sub>	I3575	36.5 <sup>m</sup> / <sub>m</sub>	64 <sup>m</sup> / <sub>m</sub>	1 Dome (with valve pockets)
6		174 c.c. O.H.V. Tourist, Cabin Cruiser (Three ring design) .....	H'lex	2-3622"	60 <sup>m</sup> / <sub>m</sub>	I4279	36.5 <sup>m</sup> / <sub>m</sub>	64 <sup>m</sup> / <sub>m</sub>	1 Dome (with valve pockets)
7	1958/60	198 c.c. O.H.V. T154 Cabin Cruiser, C.R. 7-4 to 1 .....	H'lex Tin Plated	2-5197"	64 <sup>m</sup> / <sub>m</sub>	I5045	37 <sup>m</sup> / <sub>m</sub>	64.5 <sup>m</sup> / <sub>m</sub>	1 Dome (with valve pockets)

HERCULES

8		49 c.c. Corvette, Mo-ped, Two Port, Two Stroke .....	H'lex	1-5748"	40 <sup>m</sup> / <sub>m</sub>	I5027	27.5 <sup>m</sup> / <sub>m</sub>	55 <sup>m</sup> / <sub>m</sub>	1 Dome
9	1956/8	49 c.c. HCM, Her-Cu-Motor, Mo-Ped, Two Stroke .....	H'lex	1-6535"	42 <sup>m</sup> / <sub>m</sub>	I3050	2 <sup>9</sup> / <sub>32</sub> "	1 <sup>11</sup> / <sub>16</sub> "	1 Flat Bevelled

H.M.W.

10		49 c.c. 50N Mo-Ped, Two Stroke	H'lex	1-4961"	38 <sup>m</sup> / <sub>m</sub>	I5266	30.5 <sup>m</sup> / <sub>m</sub>	61.5 <sup>m</sup> / <sub>m</sub>	1 Dome
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HONDA

11	1961/3	124 c.c. O.H.C. Benly C92, C.R. 8-3 to 1 .....	H'lex	1-7323"	44 <sup>m</sup> / <sub>m</sub>	I5690	30 <sup>m</sup> / <sub>m</sub>	53 <sup>m</sup> / <sub>m</sub>	2 Dome (with valve pockets)
12	1961/3	125 c.c. Benly Sports CS92..... (Pistons supplied in pairs, one left hand and one right hand).....	H'lex	1-7323"	44 <sup>m</sup> / <sub>m</sub>	I5691	31.5 <sup>m</sup> / <sub>m</sub>	54.5 <sup>m</sup> / <sub>m</sub>	2 Dome (with valve pockets)

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

(Continued) HARLEY DAVIDSON

1	1	3 <sup>3</sup> / <sub>32</sub> "	KPC.14175 PC.14213 EDO.14214	To 1948 10690/V 1949 on 10692/V	10692/V	20.10 <sup>m</sup> / <sub>m</sub>	RC32	I325A	FS.2088
2	1	3 <sup>3</sup> / <sub>32</sub> "	KPC.14175 PC.14213 EDO.14214	To 1948 10690/V 1949 on 10692/V	10692/V	20.10 <sup>m</sup> / <sub>m</sub>	RC32	I325A	FS.2088
3	1	1 <sup>1</sup> / <sub>16</sub> "	KP.17556 TP.17557 KOX.17558	16430/V	16430/V	20.10 <sup>m</sup> / <sub>m</sub>	RC32	I325A	
4	1	1 <sup>1</sup> / <sub>16</sub> "	KP.17556 TP.17557 KOX.17558	16430/V	16430/V	20.10 <sup>m</sup> / <sub>m</sub>	RC32	I325A	

HEINKEL

5	3	2 <sup>m</sup> / <sub>m</sub> 4 <sup>m</sup> / <sub>m</sub>	TP.12982 CDO.17372	8750/V	8750/V	18 <sup>m</sup> / <sub>m</sub>	RC217	5093A	FS.3233
6	1	2 <sup>m</sup> / <sub>m</sub> 2 <sup>m</sup> / <sub>m</sub> 4 <sup>m</sup> / <sub>m</sub>	KTP.14485 TP.14486 CDO.17372	11710/V	11710/V	18 <sup>m</sup> / <sub>m</sub>	RC217	5093A	FS.3233
7	1	2 <sup>m</sup> / <sub>m</sub> 2 <sup>m</sup> / <sub>m</sub> 4 <sup>m</sup> / <sub>m</sub>	KTP.13799 TP.13189 CDO.17373	13500/V	13500/V	18 <sup>m</sup> / <sub>m</sub>	RC217	5699A	

HERCULES

8	2	2.5 <sup>m</sup> / <sub>m</sub>	P.8862G	13520/V	13520/V	10.3 <sup>m</sup> / <sub>m</sub>	RC246	5844A	
9	2	5 <sup>m</sup> / <sub>64</sub> "	P.12316S	8620/V	8620/V	4258"	RC228	5044A	

H.M.W.

10	2	2.5 <sup>m</sup> / <sub>m</sub>	P.11213S	14770/V	14770/V	10 <sup>m</sup> / <sub>m</sub>	RC198	5143A	
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HONDA

11	1	1.5 <sup>m</sup> / <sub>m</sub> 1.5 <sup>m</sup> / <sub>m</sub> 3 <sup>m</sup> / <sub>m</sub>	KP.17369 TP.17370 DO.17371	16280/V	16280/V	14 <sup>m</sup> / <sub>m</sub>	S.C.	6063A	
12	1	1.5 <sup>m</sup> / <sub>m</sub> 1.5 <sup>m</sup> / <sub>m</sub> 3 <sup>m</sup> / <sub>m</sub>	KP.17369 TP.17370 DO.17371	16280/V	16280/V	14 <sup>m</sup> / <sub>m</sub>	S.C.	6063A	



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

## HONDA (Continued)

1	247 c.c.	O.H.C. Dream C72, C.R. 8-3 to 1	H'lex	2-1260"	54 <sup>m</sup> / <sub>m</sub>	15824	33 <sup>m</sup> / <sub>m</sub>	65-75 <sup>m</sup> / <sub>m</sub>	2 Dome (with valve pockets)
2	247 c.c.	O.H.C. Dream Sports CS72	H'lex	2-1260"	54 <sup>m</sup> / <sub>m</sub>	15793	35-25 <sup>m</sup> / <sub>m</sub>	65-75 <sup>m</sup> / <sub>m</sub>	2 Dome (with valve pockets)
3	247 c.c.	O.H.C. Dream Super Sports CB72, C.R. 9-5 to 1	H'lex	2-1260"	54 <sup>m</sup> / <sub>m</sub>	15784	35-75 <sup>m</sup> / <sub>m</sub>	68-25 <sup>m</sup> / <sub>m</sub>	2 Dome (with valve pockets)
4	1960	305 c.c. O.H.C. Dream C76, C77 ...	H'lex	2-3622"	60 <sup>m</sup> / <sub>m</sub>	15840	31-5 <sup>m</sup> / <sub>m</sub>	65 <sup>m</sup> / <sub>m</sub>	2 Dome (with valve pockets)

## H.R.D.

5	1935/49	499 c.c. O.H.V. Meteor Series B, Comet, Grey Flash, Series C, 1 Cyl.....	H'lex	3-3065"	83-984 <sup>m</sup> / <sub>m</sub>	W12108	1 <sup>3</sup> / <sub>8</sub> "	2 <sup>25</sup> / <sub>32</sub> "	1/2 Dome (with valve flats)
6		998 c.c. O.H.V. Rapide, Black Shadow, Black Lightning, Series B, Series C, 2 Cyl. E7/6 Engine, C.R. 6-8 to 1	H'lex	3-3065"	83-984 <sup>m</sup> / <sub>m</sub>	W12109	1 <sup>15</sup> / <sub>32</sub> "	2 <sup>7</sup> / <sub>8</sub> "	1/2 Dome (with valve pockets)

## HUSQVARNA

7	40 c.c.	Novellete Mo-ped, Two Stroke	H'lex	1-4961"	38 <sup>m</sup> / <sub>m</sub>	15079	19-5 <sup>m</sup> / <sub>m</sub>	42-5 <sup>m</sup> / <sub>m</sub>	1 Flat
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## ILO

8	49 c.c.	FP50, Cycle Motor Attachment, Two Stroke	H'lex	1-4961"	38 <sup>m</sup> / <sub>m</sub>	13209	26-25 <sup>m</sup> / <sub>m</sub>	51-25 <sup>m</sup> / <sub>m</sub>	1 Dome
9	49 c.c.	G50 Mo-Ped, Two Stroke, C.R. 6-5 to 1	H'lex	1-4961"	38 <sup>m</sup> / <sub>m</sub>	13808	31-2 <sup>m</sup> / <sub>m</sub>	51-7 <sup>m</sup> / <sub>m</sub>	1 Dome
10	1958/60	98 c.c. Two Stroke	H'lex	1-9685"	50 <sup>m</sup> / <sub>m</sub>	15347	40-25 <sup>m</sup> / <sub>m</sub>	61-25 <sup>m</sup> / <sub>m</sub>	1 Dome
11	150 c.c.	Two Stroke	H'lex	2-2441"	57 <sup>m</sup> / <sub>m</sub>	14651	45 <sup>m</sup> / <sub>m</sub>	70 <sup>m</sup> / <sub>m</sub>	1 Dome
12	200 c.c.	M200, M200V, Two Port, Two Stroke	H'lex	2-4409"	62 <sup>m</sup> / <sub>m</sub>	13516	35 <sup>m</sup> / <sub>m</sub>	78 <sup>m</sup> / <sub>m</sub>	1 Dome

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

## (Continued) HONDA

1	1	1-75 <sup>m</sup> / <sub>m</sub> 1-75 <sup>m</sup> / <sub>m</sub> 7/64"	KP.17638 TP.17639 CDO.17521	16960/V	16960/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	6118A
2	1	2 <sup>m</sup> / <sub>m</sub> 2 <sup>m</sup> / <sub>m</sub> 1/8"	KTP.17587 TP.17588 DO.17589	16270/V	16270/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	6118A
3	1	1-5 <sup>m</sup> / <sub>m</sub> 1-5 <sup>m</sup> / <sub>m</sub> 7/64"	KP.17519 TP.17520 CDO.17521	16290/V	16290/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	6118A
4	1	1-8 <sup>m</sup> / <sub>m</sub> 1-8 <sup>m</sup> / <sub>m</sub> 2-8 <sup>m</sup> / <sub>m</sub>	KP.17648 TP.17649 OC.17650			15 <sup>m</sup> / <sub>m</sub>	S.C.	5485A

## H.R.D.

5	1	1/16" 1/16" 1/8"	KP.16592 MP.7515 MDO.7516			7/8"	RC52	4693A	FS.2586 (for Alum. barrels) FS.2653 (for Distorted Alum. barrels)
6	1	1/16" 1/16" 1/8"	KP.16592 MP.7515 MDO.7516			7/8"	RC52	4693A	FS.2586 (for Alum. barrels) FS.2653 (for Distorted Alum. barrels)

## HUSQVARNA

7	2	2-5 <sup>m</sup> / <sub>m</sub>	P.11133G			10 <sup>m</sup> / <sub>m</sub>	RC107	4943A	
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## ILO

8	2	2-5 <sup>m</sup> / <sub>m</sub>	TP.12209G	8930/V	8930/V	10 <sup>m</sup> / <sub>m</sub>	RC107	5143A	
9	2	2-5 <sup>m</sup> / <sub>m</sub>	TP.12209G	8930/V	8930/V	10 <sup>m</sup> / <sub>m</sub>	RC107	5143A	
10	2	2-5 <sup>m</sup> / <sub>m</sub>	P.6687C	14880/V	14880/V	12 <sup>m</sup> / <sub>m</sub>	S.C.	5129A	
11	2	2-5 <sup>m</sup> / <sub>m</sub>	P.12483G	11900/V	11900/V	12 <sup>m</sup> / <sub>m</sub>	RC257	4055A	
12	3	2 <sup>m</sup> / <sub>m</sub>	P.12812G	13990/V	13990/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	5245A	



# PISTONS MOTOR CYCLES

SCOOTERS, MOPEDS  
AND MOTOR CYCLE ENGINES



SCOOTERS, MOPEDS  
MOTOR CYCLE ENGINES AND

# PISTONS MOTOR CYCLES

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

## INDIAN

1	248 c.c. S.V. Brave C.R. 6-3 to 1...	H'lex 2-5394"	64.5 <sup>m</sup> / <sub>m</sub>	10933	1 <sup>1</sup> / <sub>32</sub> "	2 <sup>3</sup> / <sub>8</sub> "	1	Flat
2	1927/35 1204 c.c. S.V. Chief ..... 1941/53 1200 c.c. S.V. 74 Cubic Inches, 340 Chief, 80 Cubic Inches, Blackhawk, Chief .....	H'lex 3 <sup>1</sup> / <sub>4</sub> "	82.548 <sup>m</sup> / <sub>m</sub>	T8775	1 <sup>13</sup> / <sub>16</sub> "	3 <sup>1</sup> / <sub>4</sub> "	2	Flat

## ISO

3	146 c.c. Milano Scooter, Two Port, Two Stroke, C.R. 6-5 to 1	H'lex 2-2441"	57 <sup>m</sup> / <sub>m</sub>	14872	36 <sup>m</sup> / <sub>m</sub>	71 <sup>m</sup> / <sub>m</sub>	1	Dome
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JAMES (Refer to A.M.C., and VILLIERS)

## J.A.P.

4	34 c.c. Two Stroke .....	H'lex 1-3779"	35 <sup>m</sup> / <sub>m</sub>	13487	.975"	1-723"	1	Flat Bevelled
5	350 c.c. O.H.V. Speedway, High Comp. C.R. 14 to 1	Al. 2-9134"	74 <sup>m</sup> / <sub>m</sub>	10496	1 <sup>21</sup> / <sub>32</sub> "	3 <sup>7</sup> / <sub>32</sub> "	1	Dome (with valve pockets)
6	500 c.c. O.H.V. Speedway, 4 Stud Model, Short Skirt design, C.R. 16 to 1.....	Al. 3-1496"	80 <sup>m</sup> / <sub>m</sub>	11080	1 <sup>47</sup> / <sub>64</sub> "	3 <sup>7</sup> / <sub>64</sub> "	1	Dome (with valve pockets)
7	1936/8 500 c.c. O.H.V., 600 c.c. S.V., 1 Cyl. 1100 c.c. O.H.V., 2 Cyl. (R.B.P.).....	H'lex 3 <sup>3</sup> / <sub>8</sub> "	85.725 <sup>m</sup> / <sub>m</sub>	S5891	1 <sup>1</sup> / <sub>2</sub> "	3 <sup>1</sup> / <sub>32</sub> "	1/2	Flat

## JAWA

8	1959/60 50 c.c. 555 Scooter, Ported Skirt, Two Stroke, C.R. 6-6 to 1	H'lex 1-4961"	38 <sup>m</sup> / <sub>m</sub>	15293	31 <sup>m</sup> / <sub>m</sub>	57 <sup>m</sup> / <sub>m</sub>	1	Dome
9	98 c.c. Manet Scooter, Two Port, Two Stroke C.R. 7-5 to 1	H'lex 1-9685"	50 <sup>m</sup> / <sub>m</sub>	15571	34 <sup>m</sup> / <sub>m</sub>	63 <sup>m</sup> / <sub>m</sub>	1	Dome
10	1949/54 123 c.c. Two Stroke .....	H'lex 2-0472"	52 <sup>m</sup> / <sub>m</sub>	13126	38 <sup>m</sup> / <sub>m</sub>	80 <sup>m</sup> / <sub>m</sub>	1	Dome
11	1953/4 148 c.c. 352, Two Stroke .....	H'lex 2-2441"	57 <sup>m</sup> / <sub>m</sub>	11737	39.25 <sup>m</sup> / <sub>m</sub>	81.25 <sup>m</sup> / <sub>m</sub>	1	Dome
12	175 c.c. ....	H'lex 2-2835"	58 <sup>m</sup> / <sub>m</sub>	14025	47.5 <sup>m</sup> / <sub>m</sub>	85.5 <sup>m</sup> / <sub>m</sub>	1	Dome
13	Late 1958/9 350 c.c. Two Port, Two Stroke..... (Supplied in pairs, one left hand, and one right hand) .....	H'lex 2-2835"	58 <sup>m</sup> / <sub>m</sub>	15353	40.25 <sup>m</sup> / <sub>m</sub>	80.5 <sup>m</sup> / <sub>m</sub>	2	Dome
14	350 c.c. Two Port, Two Stroke (Supplied in pairs, one left hand and one right hand)	H'lex 2-2835"	58 <sup>m</sup> / <sub>m</sub>	11617	34.5 <sup>m</sup> / <sub>m</sub>	80.5 <sup>m</sup> / <sub>m</sub>	2	Dome
15	1952/Early 1958 350 c.c. Senior, Two Port, Two Stroke (Supplied in pairs, one left hand, and one right hand) .....	H'lex 2-2835"	58 <sup>m</sup> / <sub>m</sub>	11658	40.25 <sup>m</sup> / <sub>m</sub>	80.5 <sup>m</sup> / <sub>m</sub>	2	Dome
16	1949/56 250 c.c. Favorit, Two Stroke .....	H'lex 2-5590"	65 <sup>m</sup> / <sub>m</sub>	10888	44.5 <sup>m</sup> / <sub>m</sub>	91 <sup>m</sup> / <sub>m</sub>	1	Dome
17	250 c.c. CZ250, Favorit, Two Port, Two Stroke .....	H'lex 2-5590"	65 <sup>m</sup> / <sub>m</sub>	14801	44.5 <sup>m</sup> / <sub>m</sub>	91 <sup>m</sup> / <sub>m</sub>	1	Dome
18	250 c.c. Two Port, Two Stroke.....	H'lex 2-5590"	65 <sup>m</sup> / <sub>m</sub>	16003	44.5 <sup>m</sup> / <sub>m</sub>	91 <sup>m</sup> / <sub>m</sub>	1	Dome (with cut-outs)

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

## INDIAN

1	2	1 <sup>1</sup> / <sub>16</sub> "	P.6960	4670/V	4670/V	5 <sup>5</sup> / <sub>8</sub> "	S.C.	1894A	FS.2144
2	3	3 <sup>3</sup> / <sub>32</sub> "	DO.6957	4700/V	4700/V	3 <sup>3</sup> / <sub>4</sub> "	RC38	1911A	FS.1828
	1	5 <sup>5</sup> / <sub>32</sub> "	TP.3390						
			DO.3186						

## ISO

3	3	2 <sup>m</sup> / <sub>m</sub>	P.16014G			16 <sup>m</sup> / <sub>m</sub>	S.C.	5163A	
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(Refer to A.M.C., and VILLIERS) JAMES

## J.A.P.

4	2	3 <sup>3</sup> / <sub>32</sub> "	P.12745T			3 <sup>3</sup> / <sub>8</sub> "	RC242	5228A	
5	2	1 <sup>1</sup> / <sub>16</sub> "	P.5553			11 <sup>1</sup> / <sub>16</sub> "	RC27	3740A	FS.1706
6	2	1 <sup>1</sup> / <sub>16</sub> "	MP.3620			11 <sup>1</sup> / <sub>16</sub> "	RC27	2339A	
7	3	3 <sup>3</sup> / <sub>32</sub> "	P.4133			13 <sup>1</sup> / <sub>16</sub> "	S.C.	2380A	FS.766
	1	3 <sup>3</sup> / <sub>32</sub> "	SS.4134						

## JAWA

8	3	2 <sup>m</sup> / <sub>m</sub>	P.6910S			10 <sup>m</sup> / <sub>m</sub>	RC198	5143A	
9	3	2 <sup>m</sup> / <sub>m</sub>	MP.17089S	15640/V	15640/V	16 <sup>m</sup> / <sub>m</sub>	S.C.	6021A	
10	3	2.5 <sup>m</sup> / <sub>m</sub>	P.7376S			15 <sup>m</sup> / <sub>m</sub>	S.C.	3023A	
11	2	2.5 <sup>m</sup> / <sub>m</sub>	ZP.8359S			15 <sup>m</sup> / <sub>m</sub>	S.C.	4500A	
12	3	2.5 <sup>m</sup> / <sub>m</sub>	P.8212S	10910/V	10910/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	4467A	
13	3	2.5 <sup>m</sup> / <sub>m</sub>	P.8212S	14890/V	14890/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	4467A	
14	3	2.5 <sup>m</sup> / <sub>m</sub>	P.8212S	14890/V	14890/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	4467A	
15	3	2.5 <sup>m</sup> / <sub>m</sub>	P.8212S	14890/V	14890/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	4467A	
16	3	2.5 <sup>m</sup> / <sub>m</sub>	P.7231S	3690/V	3690/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	4234A	
17	3	2.5 <sup>m</sup> / <sub>m</sub>	P.7231S	3690/V	3690/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	4234A	
18	3	2.5 <sup>m</sup> / <sub>m</sub>	P.7231S	3690/V	3690/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	4234A	



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

KIEFT (Refer to SACHS)

## LAMBRETTA

1		48 c.c. Mo-Ped, Two Stroke .....	H'lex Tin Plated	1-5748"	40 <sup>m</sup> / <sub>m</sub>	13842	30 <sup>m</sup> / <sub>m</sub>	50 <sup>m</sup> / <sub>m</sub>	1 Dome
2	1951/5	125 c.c. C, LC, D, LD, Two Stroke (Recommended maximum oversize is +.025") .....	H'lex	2-0472"	52 <sup>m</sup> / <sub>m</sub>	11659	34 <sup>m</sup> / <sub>m</sub>	67 <sup>m</sup> / <sub>m</sub>	1 Dome
3	1957	125 c.c. Mark III, Two Stroke (16 <sup>m</sup> / <sub>m</sub> dia. G. Pin) .....	H'lex Tin Plated	2-0472"	52 <sup>m</sup> / <sub>m</sub>	13794	34 <sup>m</sup> / <sub>m</sub>	67 <sup>m</sup> / <sub>m</sub>	1 Dome
4	1959	123 c.c. Li 125, Series I, Two Stroke (Recommended maximum oversize is +.025") .....	H'lex Tin Plated	2-0472"	52 <sup>m</sup> / <sub>m</sub>	14485	36 <sup>m</sup> / <sub>m</sub>	66 <sup>m</sup> / <sub>m</sub>	1 Dome
5	1960/1	123 c.c. Li 125 Series II, Two Stroke (Recommended maximum oversize is +.025") .....	H'lex	2-0472"	52 <sup>m</sup> / <sub>m</sub>	15520	45 <sup>m</sup> / <sub>m</sub>	75 <sup>m</sup> / <sub>m</sub>	1 Dome
6		148 c.c. 150D, 150LD, Two Stroke (Early type with 14 <sup>m</sup> / <sub>m</sub> dia. G. Pin) .....	H'lex Tin Plated	2-2441"	57 <sup>m</sup> / <sub>m</sub>	13046	35 <sup>m</sup> / <sub>m</sub>	70 <sup>m</sup> / <sub>m</sub>	1 Dome
7		148 c.c. 150D, 150LD, Two Stroke (Late type with 16 <sup>m</sup> / <sub>m</sub> dia. G. Pin) .....	H'lex Tin Plated	2-2441"	57 <sup>m</sup> / <sub>m</sub>	13297	35 <sup>m</sup> / <sub>m</sub>	70 <sup>m</sup> / <sub>m</sub>	1 Dome
8	1959/60	148 c.c. Li 150, Two Port, Two Stroke, C.R. 7 to 1 .....	H'lex	2-2441"	57 <sup>m</sup> / <sub>m</sub>	14484	37 <sup>m</sup> / <sub>m</sub>	67 <sup>m</sup> / <sub>m</sub>	1 Dome
9		148 c.c. Li 150 Series II, Two Port Two Stroke .....	H'lex	2-2441"	57 <sup>m</sup> / <sub>m</sub>	15282	46 <sup>m</sup> / <sub>m</sub>	76 <sup>m</sup> / <sub>m</sub>	1 Dome
10	1957/9	170 c.c. TV175, Two Port, Two Stroke .....	H'lex Tin Plated	2-3622"	60 <sup>m</sup> / <sub>m</sub>	14561	37 <sup>m</sup> / <sub>m</sub>	73 <sup>m</sup> / <sub>m</sub>	1 Dome
11	1959/60	175 c.c. TV175 Series II, Two Port, Two Stroke .....	H'lex	2-4409"	62 <sup>m</sup> / <sub>m</sub>	15162	37 <sup>m</sup> / <sub>m</sub>	76 <sup>m</sup> / <sub>m</sub>	1 Dome

## LAVALETTE

12		49-7 c.c. AML50/1, AML50/2, Two Port, Two Stroke .....	H'lex	1-5748"	40 <sup>m</sup> / <sub>m</sub>	15027	27-5 <sup>m</sup> / <sub>m</sub>	55 <sup>m</sup> / <sub>m</sub>	1 Dome
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LEOPARD (Refer to SACHS)

MAGNEET (Refer to SACHS)

## MAICO

13	1955	400 c.c. Typhoon, Two Port, Two Stroke .....	H'lex	2-5590"	65 <sup>m</sup> / <sub>m</sub>	15805	51 <sup>m</sup> / <sub>m</sub>	87 <sup>m</sup> / <sub>m</sub>	2 Dome
14	1957/60	248 c.c. Maicoletta Scooter, Two Stroke, C.R. 7-6 to 1 .....	H'lex	2-6378"	67 <sup>m</sup> / <sub>m</sub>	13720	55-5 <sup>m</sup> / <sub>m</sub>	92 <sup>m</sup> / <sub>m</sub>	1 Dome

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

(Refer to SACHS) KIEFT

## LAMBRETTA

1	2	2 <sup>m</sup> / <sub>m</sub>	P.13418G	9720/V	9720/V	12 <sup>m</sup> / <sub>m</sub>	S.C.	4948A	
2	2	2 <sup>m</sup> / <sub>m</sub>	P.6894G	7250/V	7250/V	14 <sup>m</sup> / <sub>m</sub>	S.C.	4095A	
3	2	2 <sup>m</sup> / <sub>m</sub>	P.6894G	7250/V	7250/V	16 <sup>m</sup> / <sub>m</sub>	S.C.	5388A	
4	2	2-5 <sup>m</sup> / <sub>m</sub>	P.15812G	12640/V	12640/V	16 <sup>m</sup> / <sub>m</sub>	S.C.	5388A	
5	2	2-5 <sup>m</sup> / <sub>m</sub>	P.15812G	12640/V	12640/V	16 <sup>m</sup> / <sub>m</sub>	S.C.	5388A	
6	3	2 <sup>m</sup> / <sub>m</sub>	ZP.12514G	7240/V	7240/V	14 <sup>m</sup> / <sub>m</sub>	S.C.	5047A	
7	3	2 <sup>m</sup> / <sub>m</sub>	ZP.12514G	7240/V	7240/V	16 <sup>m</sup> / <sub>m</sub>	S.C.	5163A	
8	2	2-5 <sup>m</sup> / <sub>m</sub>	ZP.14973G	12000/V	12000/V	16 <sup>m</sup> / <sub>m</sub>	S.C.	5163A	
9	2	2-5 <sup>m</sup> / <sub>m</sub>	ZP.14973G	12000/V	12000/V	16 <sup>m</sup> / <sub>m</sub>	S.C.	5163A	
10	2	2-5 <sup>m</sup> / <sub>m</sub>	P.15151G	11770/V	11770/V	16 <sup>m</sup> / <sub>m</sub>	S.C.	1519A	
11	2	2-5 <sup>m</sup> / <sub>m</sub>	P.12393G	8350/V	8350/V	16 <sup>m</sup> / <sub>m</sub>	S.C.	1519A	

## LAVALETTE

12	2	2-5 <sup>m</sup> / <sub>m</sub>	P.8862G	13520/V	13520/V	10-3 <sup>m</sup> / <sub>m</sub>	RC246	5844A	
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(Refer to SACHS) LEOPARD

(Refer to SACHS) MAGNEET

## MAICO

13	3	2 <sup>m</sup> / <sub>m</sub>	TP.13293G			18 <sup>m</sup> / <sub>m</sub>	RC217	4494A	
14	3	2 <sup>m</sup> / <sub>m</sub>	TP.13334G	9560/V	9560/V	18 <sup>m</sup> / <sub>m</sub>	RC217	5340A	

Barnstormers.co.nz



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

MANET (Refer to JAWA)

MANURHIN

1	74 c.c. Hobby, Concorde, Scooter C.R. 6 to 1 .....	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	Dome
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MATCHLESS

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	1 <sup>7</sup> / <sub>8</sub> "	2 <sup>3</sup> / <sub>4</sub> "	2	Spec. Dome
3	(High Comp. for above) C.R. 8 to 1 .....	H'lex	2.5984"	66 <sup>m</sup> / <sub>m</sub>	W11221	1 <sup>31</sup> / <sub>32</sub> "	2 <sup>15</sup> / <sub>16</sub> "	2	Spec. Dome
4	(High Comp. for above) C.R. 8.5 to 1 .....	Al.	2.5984"	66 <sup>m</sup> / <sub>m</sub>	11281	2 <sup>1</sup> / <sub>8</sub> "	3"	2	Spec. Dome
5	1956/60 498 c.c. O.H.V. G9, Super Club- man, C.R. 7-8 to 1 .....	H'lex Tin Plated	2.5984"	66 <sup>m</sup> / <sub>m</sub>	W13267	1.977"	2.852"	2	Dome (with valve pockets)
6	1933/46 347 c.c. O.H.V. D3, G3, G3/L, G4, Clubman and Special ...	H'lex	2 <sup>23</sup> / <sub>32</sub> "	69.056 <sup>m</sup> / <sub>m</sub>	W9990	1 <sup>1</sup> / <sub>2</sub> "	3 <sup>7</sup> / <sub>16</sub> "	1	Cone
7	1947 347 c.c. O.H.V. G3/L .....	H'lex	2 <sup>23</sup> / <sub>32</sub> "	69.056 <sup>m</sup> / <sub>m</sub>	W10049	2"	3 <sup>7</sup> / <sub>16</sub> "	1	Cone
8	1948/55 347 c.c. O.H.V. G3/L, C.R. 6-3 to 1	H'lex	2 <sup>23</sup> / <sub>32</sub> "	69.056 <sup>m</sup> / <sub>m</sub>	W10465	2"	3 <sup>7</sup> / <sub>32</sub> "	1	Cone
9	1948/55 347 c.c. O.H.V. G3/L, High Comp., C.R. 7-5 to 1 .....	H'lex	2 <sup>23</sup> / <sub>32</sub> "	69.056 <sup>m</sup> / <sub>m</sub>	W13265	2.160"	3.377"	1	Dome (with valve pockets)
	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 re- moved .....	Al.	2 <sup>23</sup> / <sub>32</sub> "	69.056 <sup>m</sup> / <sub>m</sub>	10605	2 <sup>3</sup> / <sub>8</sub> "	3 <sup>19</sup> / <sub>32</sub> "	1	Dome (with valve pockets)
11	1959/63 248 c.c. O.H.V. G2, Monitor, C.R. 7-8 to 1 .....	H'lex Tin Plated	2 <sup>3</sup> / <sub>4</sub> "	69.849 <sup>m</sup> / <sub>m</sub>	W15125	2 <sup>3</sup> / <sub>64</sub> "	2 <sup>31</sup> / <sub>32</sub> "	1	Dome (with valve pockets)
12	1959/60 248 c.c. O.H.V. G2CS, C.R. 11 to 1	Al.	2 <sup>3</sup> / <sub>4</sub> "	69.849 <sup>m</sup> / <sub>m</sub>	15249	2 <sup>1</sup> / <sub>4</sub> "	3 <sup>11</sup> / <sub>64</sub> "	1	Spec.
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 <sup>23</sup> / <sub>64</sub> "	3 <sup>31</sup> / <sub>64</sub> "	1	Dome (with valve pockets)
14	1956/8 592 c.c. O.H.V. G11, C.R. 7-5 to 1	H'lex Tin Plated	2.8346"	72 <sup>m</sup> / <sub>m</sub>	W13268	1 <sup>15</sup> / <sub>16</sub> "	2 <sup>27</sup> / <sub>32</sub> "	2	Stepped Dome

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

(Refer to JAWA) MANET

MANURHIN

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



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

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

MATCHLESS (Continued)

1		(High Comp. for above) C.R. 9 to 1	H'lex 2-8346"	72 <sup>m</sup> / <sub>m</sub>	I3829	2-077"	2-978"	2	Truncated 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>	WI5242	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>	WI5117	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>	WI5036	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>	WI5151	1 <sup>23</sup> / <sub>32</sub> "	2 <sup>5</sup> / <sub>8</sub> "	1	Flat (with valve 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>	WI5762	1 <sup>15</sup> / <sub>16</sub> "	2 <sup>23</sup> / <sub>32</sub> "	2	Flat (with valve pockets)
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>	W9991	1 <sup>5</sup> / <sub>16</sub> "	3 <sup>3</sup> / <sub>16</sub> "	1	Flat (with valve 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>	WI0197	1 <sup>13</sup> / <sub>16</sub> "	3 <sup>3</sup> / <sub>16</sub> "	1	Flat (with valve 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>	WI1786	1 <sup>15</sup> / <sub>16</sub> "	3 <sup>5</sup> / <sub>16</sub> "	1	Flat (with valve 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>	I0304	2 <sup>1</sup> / <sub>4</sub> "	3 <sup>5</sup> / <sub>8</sub> "	1	Dome (with valve 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> "	82-548 <sup>m</sup> / <sub>m</sub>	WI3266	2 <sup>1</sup> / <sub>16</sub> "	3 <sup>7</sup> / <sub>16</sub> "	1	Dome (with valve 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>	I3380	2 <sup>19</sup> / <sub>64</sub> "	3 <sup>45</sup> / <sub>64</sub> "	1	Dome (with valve pockets)
14		(High Comp. for above) C.R. 10 to 1.....	Al. 3-3858"	86 <sup>m</sup> / <sub>m</sub>	I4628	2 <sup>27</sup> / <sub>64</sub> "	3 <sup>53</sup> / <sub>64</sub> "	1	Dome (with valve 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>	I5710	2 <sup>29</sup> / <sub>64</sub> "	4-053"	1	Dome (with valve pockets)

(Continued) MATCHLESS

1		3 <sup>3</sup> / <sub>64</sub> " 3 <sup>3</sup> / <sub>64</sub> " 5 <sup>5</sup> / <sub>32</sub> "	KP.I2115 TP.I2298 DO.I2299	8370/V	8370/V	3 <sup>3</sup> / <sub>4</sub> "	S.C.	5184A	
2		3 <sup>3</sup> / <sub>64</sub> " 3 <sup>3</sup> / <sub>64</sub> " 5 <sup>5</sup> / <sub>32</sub> "	KP.I7030 TP.I2298 MSO.I6286	I3920/V	I3920/V	3 <sup>3</sup> / <sub>4</sub> "	S.C.	4574A	
3		3 <sup>3</sup> / <sub>64</sub> " 3 <sup>3</sup> / <sub>64</sub> " 5 <sup>5</sup> / <sub>32</sub> "	KP.I2115 TP.I2298 MSO.I6286	I3920/V	I3920/V	3 <sup>3</sup> / <sub>4</sub> "	S.C.	4574A	
4		3 <sup>3</sup> / <sub>64</sub> " 3 <sup>3</sup> / <sub>64</sub> " 5 <sup>5</sup> / <sub>32</sub> "	KP.I2115 TP.I2298 MSO.I6286	I3920/V	I3920/V	3 <sup>3</sup> / <sub>4</sub> "	S.C.	4574A	
5		3 <sup>3</sup> / <sub>64</sub> " 3 <sup>3</sup> / <sub>64</sub> " 5 <sup>5</sup> / <sub>32</sub> "	KP.I2115 TP.I2298 EDO.I2739	I4000/V	I4000/V	3 <sup>3</sup> / <sub>4</sub> "	S.C.	4574A	
6		3 <sup>3</sup> / <sub>64</sub> " 3 <sup>3</sup> / <sub>64</sub> " 5 <sup>5</sup> / <sub>32</sub> "	KP.I2675 TP.I7593 MSO.I6286	I7250/V	I7250/V	3 <sup>3</sup> / <sub>4</sub> "	S.C.	4574A	
7	2	1 <sup>1</sup> / <sub>16</sub> " 1 <sup>1</sup> / <sub>8</sub> "	P.6117 DO.6118			7 <sup>7</sup> / <sub>8</sub> "	S.C.	3997A	FS.I933
8	2	1 <sup>1</sup> / <sub>16</sub> " 1 <sup>1</sup> / <sub>8</sub> "	P.6117 DO.6118	3550/V	3552/V	7 <sup>7</sup> / <sub>8</sub> "	S.C.	3997A	FS.I933
9	2	1 <sup>1</sup> / <sub>16</sub> " 1 <sup>1</sup> / <sub>8</sub> "	P.6117 DO.6118	3550/V	3552/V	7 <sup>7</sup> / <sub>8</sub> "	S.C.	3997A	FS.I933
10	2	1 <sup>1</sup> / <sub>16</sub> " 1 <sup>1</sup> / <sub>8</sub> "	P.6117 DO.6118	3550/V	3552/V	7 <sup>7</sup> / <sub>8</sub> "	S.C.	3997A	FS.I933
11		1 <sup>1</sup> / <sub>16</sub> " 1 <sup>1</sup> / <sub>16</sub> " 1 <sup>1</sup> / <sub>8</sub> "	KP.6522 TP.I2698 DO.6118	3550/V	3552/V	7 <sup>7</sup> / <sub>8</sub> "	S.C.	3997A	FS.I933
12	2	1 <sup>1</sup> / <sub>16</sub> " 1 <sup>1</sup> / <sub>8</sub> "	P.578 DO.2143			7 <sup>7</sup> / <sub>8</sub> "	S.C.	I516A	
13		1 <sup>1</sup> / <sub>16</sub> " 1 <sup>1</sup> / <sub>16</sub> " 1 <sup>1</sup> / <sub>8</sub> "	KP.7655 MP.I2546 MEDO.I2547	9150/V	9150/V	7 <sup>7</sup> / <sub>8</sub> "	S.C.	5235A	
14		1 <sup>1</sup> / <sub>16</sub> " 1 <sup>1</sup> / <sub>16</sub> " 1 <sup>1</sup> / <sub>8</sub> "	KP.7655 MP.I2546 MEDO.I2547	9150/V	9150/V	7 <sup>7</sup> / <sub>8</sub> "	S.C.	5235A	
15		1 <sup>1</sup> / <sub>16</sub> " 1 <sup>1</sup> / <sub>16</sub> " 5 <sup>5</sup> / <sub>32</sub> "	KP.7655 MP.I2546 MEDO.I2600	I6230/V	I6230/V	7 <sup>7</sup> / <sub>8</sub> "	S.C.	5235A	

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>	I3271	38 <sup>m</sup> / <sub>m</sub>	78 <sup>m</sup> / <sub>m</sub>	1	Dome
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MESSERSCHMITT

16	2	2-5 <sup>m</sup> / <sub>m</sub>	P.I2393G	8350/V	8350/V	15 <sup>m</sup> / <sub>m</sub>	RC188	5179A	
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PISTONS									
Line No.	Make and Year	Model	Metal	Cylinder Bore Inches    Millimetres	Ref. No.	Comp.	Length	No. of Cyls.	Head

MIELE (Refer to SACHS)

MINI-MOTOR

1	1949/56	49.9 c.c. Cycle Motor Attachment Mark I, II, III and IV, Two Stroke .....	H'lex Tin Plated	1-4961"	38 <sup>m</sup> / <sub>m</sub>	10914	27 <sup>m</sup> / <sub>m</sub>	45 <sup>m</sup> / <sub>m</sub>	1 Flat
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MOBYLETTE

2	Late 1955 early 1956	49.9 c.c. Mo-ped, AV35 Engine, Two Stroke, Two Port. (Standard size only recommended for Alum. Barrels) .....	H'lex	1-5354"	39 <sup>m</sup> / <sub>m</sub>	13495	31 <sup>m</sup> / <sub>m</sub>	57 <sup>m</sup> / <sub>m</sub>	1 2 Str.
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M.V. AGUSTA

3	83 c.c.	O.H.V. MV83, (R.B.P.) ...	H'lex	1-8307"	46.5 <sup>m</sup> / <sub>m</sub>	15419	27 <sup>m</sup> / <sub>m</sub>	57 <sup>m</sup> / <sub>m</sub>	1 Flat
4	125 c.c.	O.H.V. Centomila, RA, EL (R.B.P.) .....	H'lex	2-0866"	53 <sup>m</sup> / <sub>m</sub>	15420	36 <sup>m</sup> / <sub>m</sub>	68 <sup>m</sup> / <sub>m</sub>	1 Dome (with valve pockets)

NEW HUDSON (Refer to VILLIERS)

NORMAN (Refer to VILLIERS)

NORTON

5	1959/62	249 c.c. O.H.V. Jubilee 250, C.R. 8-75 to 1 .....	H'lex	2-3622"	60 <sup>m</sup> / <sub>m</sub>	W14005	1 <sup>11</sup> / <sub>16</sub> "	2 <sup>1</sup> / <sub>2</sub> "	2 Flat (with valve pockets)
6	1961/2	349 c.c. O.H.V. Navigator, C.R. 8-25 to 1 .....	H'lex	2-4808"	63.011 <sup>m</sup> / <sub>m</sub>	W15418	1 <sup>1</sup> / <sub>2</sub> "	2 <sup>1</sup> / <sub>4</sub> "	2 Flat (with valve pockets)
7	1948/58	500 c.c. O.H.V. 7, 88, Dominator Twin, C.R. 6-75 to 1 (Pistons supplied in pairs, one left-hand and one right-hand) .....	H'lex	2-5984"	66 <sup>m</sup> / <sub>m</sub>	W10533	1 <sup>1</sup> / <sub>2</sub> "	2 <sup>11</sup> / <sub>16</sub> "	2 Flat (with valve pockets)
8	1948/62	500 c.c. O.H.V. 7, 88, Dominator Twin, C.R. 7-8/8-5 to 1. (Pistonssupplied in pairs, one left hand and one right hand) .....	H'lex	2-5984"	66 <sup>m</sup> / <sub>m</sub>	W10338	1 <sup>19</sup> / <sub>32</sub> "	2 <sup>25</sup> / <sub>32</sub> "	2 Flat (with valve pockets)

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

(Refer to SACHS) MIELE

MINI-MOTOR

1	2	2 <sup>m</sup> / <sub>m</sub>	P.6910S	5330/V	5330/V	14 <sup>m</sup> / <sub>m</sub>	S.C.	4104A
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MOBYLETTE

2	2	3 <sup>m</sup> / <sub>m</sub>	P.12762G	10400	10400	13 <sup>m</sup> / <sub>m</sub>	RC10	5309A
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M.V. AGUSTA

3	1 1 2	2 <sup>m</sup> / <sub>m</sub> 2 <sup>m</sup> / <sub>m</sub> 3 <sup>m</sup> / <sub>m</sub>	KP.16830 TP.16831 DO.16832	14940/V	14940/V	12 <sup>m</sup> / <sub>m</sub>	S.C.	2096A
4	1 1 2	2 <sup>m</sup> / <sub>m</sub> 2 <sup>m</sup> / <sub>m</sub> 3 <sup>m</sup> / <sub>m</sub>	KP.16835 TP.16836 DO.16837	14950/V	14950/V	17 <sup>m</sup> / <sub>m</sub>	S.C.	5975A

(Refer to VILLIERS) NEW HUDSON

(Refer to VILLIERS) NORMAN

NORTON

5	1 1 1	1 <sup>1</sup> / <sub>16</sub> " 1 <sup>1</sup> / <sub>16</sub> " 5 <sup>1</sup> / <sub>32</sub> "	KP.16551 TP.8975 DO.12323	11650/V	11650/V	11 <sup>1</sup> / <sub>16</sub> "	S.C.	5618A	FS.2956
6	1 1 1	1 <sup>1</sup> / <sub>16</sub> " 1 <sup>1</sup> / <sub>16</sub> " 5 <sup>1</sup> / <sub>32</sub> "	KP.16277 MTP.16268 MDO.7629	15110/V	15110/V	11 <sup>1</sup> / <sub>16</sub> "	S.C.	5869A	
7	1 1 1	1 <sup>1</sup> / <sub>16</sub> " 1 <sup>1</sup> / <sub>16</sub> " 5 <sup>1</sup> / <sub>32</sub> "	KP.16555 MTP.16017 MDO.6202	3730/V	3730/V	11 <sup>1</sup> / <sub>16</sub> "	S.C.	3930A	FS.2031
8	1 1 1	1 <sup>1</sup> / <sub>16</sub> " 1 <sup>1</sup> / <sub>16</sub> " 5 <sup>1</sup> / <sub>32</sub> "	KP.16555 MTP.16017 MDO.6202	3730/V	3730/V	11 <sup>1</sup> / <sub>16</sub> "	S.C.	3930A	FS.2031



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

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

NORTON (Continued)

1		(High Comp. for above) C.R. 9-45 to 1 .....	H'lex	2.5984"	66 <sup>m</sup> / <sub>m</sub>	11917	1 <sup>21</sup> / <sub>32</sub> "	2 <sup>27</sup> / <sub>32</sub> "	2	Flat (with valve pockets)
2	1956/62	597 c.c. O.H.V. 77, 99, Dominator Twin, C.R. 7-4/8-25 to 1 (Pistons supplied in pairs, one left hand and one right hand .....	H'lex	2.6770"	67.996 <sup>m</sup> / <sub>m</sub>	W13325	1 <sup>19</sup> / <sub>32</sub> "	2 <sup>5</sup> / <sub>8</sub> "	2	Flat (with valve pockets)
3		(High Comp. for above) C.R. 8/8-95 to 1 .....	H'lex	2.6770"	67.996 <sup>m</sup> / <sub>m</sub>	W14629	1 <sup>45</sup> / <sub>64</sub> "	2 <sup>47</sup> / <sub>64</sub> "	2	Dome (with valve pockets)
4	1956/62	597 c.c. O.H.V. 77, 99, Dominator Twin, High Comp. C.R. 9/10-2 to 1 .....	H'lex	2.6770"	67.996 <sup>m</sup> / <sub>m</sub>	13408	1 <sup>27</sup> / <sub>32</sub> "	2 <sup>7</sup> / <sub>8</sub> "	2	Dome (with valve pockets)
	1958/60	597 c.c. O.H.V. Nomad Twin, C.R. 9 to 1 .....								
		(Piston supplied in pairs, one left hand, and one right hand .....								
5	1961/2	650 c.c. O.H.V. Manxman, 650, Dominator Twin, C.R. 8-9 to 1 .....	H'lex	2.6770"	67.996 <sup>m</sup> / <sub>m</sub>	W15593	1 <sup>19</sup> / <sub>32</sub> "	2 <sup>1</sup> / <sub>2</sub> "	2	Flat (with valve pockets)
		(Pistons supplied in pairs, one left hand, and one right hand).....								
6	1956/62	348 c.c. O.H.V. 50, C.R. 7-3 to 1... (Recommended maximum oversize is +.040")	H'lex	2.7953"	71 <sup>m</sup> / <sub>m</sub>	W13329	1 <sup>13</sup> / <sub>16</sub> "	2 <sup>27</sup> / <sub>32</sub> "	1	Flat (with valve pockets)
			Tin Plated							
7	1931/48	490 c.c. S.V., 16H, W.D. ....	H'lex	3.1102"	79 <sup>m</sup> / <sub>m</sub>	8617	1 <sup>3</sup> / <sub>4</sub> "	3 <sup>5</sup> / <sub>16</sub> "	1	Dome Radiused
8	1934/52	490 c.c. O.H.C. International 30 (Slipper Design) .....	H'lex	3.1102"	79 <sup>m</sup> / <sub>m</sub>	5172	1 <sup>3</sup> / <sub>8</sub> "	2 <sup>13</sup> / <sub>16</sub> "	1	Flat
9	1934/47	490 c.c. O.H.V. and O.H.C. 18, 20, CSI, ES2, C.R. 6-3 to 1	H'lex	3.1102"	79 <sup>m</sup> / <sub>m</sub>	4517	1 <sup>11</sup> / <sub>32</sub> "	2 <sup>19</sup> / <sub>32</sub> "	1	Flat (with valve pockets)
10	1948/55	490 c.c. O.H.V. 18, ES2, 500T.....	H'lex	3.1102"	79 <sup>m</sup> / <sub>m</sub>	W10226	1 <sup>11</sup> / <sub>32</sub> "	2 <sup>35</sup> / <sub>64</sub> "	1	Flat (with valve pockets)
11		(High Comp. for above) C.R. 7-9 to 1 .....	H'lex	3.1102"	79 <sup>m</sup> / <sub>m</sub>	W11960	1 <sup>39</sup> / <sub>64</sub> "	3 <sup>9</sup> / <sub>64</sub> "	1	Dome (with valve pockets)
12	1948/54	490 c.c. S.V., 16H .....	H'lex	3.1102"	79 <sup>m</sup> / <sub>m</sub>	W10297	1 <sup>19</sup> / <sub>32</sub> "	3 <sup>13</sup> / <sub>32</sub> "	1	Dome
13	1956/62	490 c.c. O.H.V., ES2, C.R. 7-1 to 1	H'lex	3.1102"	79 <sup>m</sup> / <sub>m</sub>	W13346	1 <sup>3</sup> / <sub>8</sub> "	2.580"	1	Flat (with valve pockets)
14	1939/53	499 c.c. O.H.C. 30 Manx, C.R. 7-22 to 1 (Slipper Design)	H'lex	3.1346"	79.62 <sup>m</sup> / <sub>m</sub>	10913	1 <sup>1</sup> / <sub>2</sub> "	2 <sup>15</sup> / <sub>16</sub> "	1	Slight Dome (with valve pockets)
15	1947/54	596 c.c. S.V. Big 4 No. 1 .....	H'lex	3.2283"	82 <sup>m</sup> / <sub>m</sub>	SW10890	1 <sup>19</sup> / <sub>32</sub> "	3 <sup>9</sup> / <sub>32</sub> "	1	Dome
16	1955/8	596 c.c. O.H.V. 19R, 19S, C.R. 6-4 to 1.....	H'lex	3.2283"	82 <sup>m</sup> / <sub>m</sub>	W13334	1 <sup>11</sup> / <sub>32</sub> "	2 <sup>7</sup> / <sub>8</sub> "	1	Concave

(Continued) NORTON

1	1	1 <sup>1</sup> / <sub>16</sub> "	KP.16555 MTP.16017 MDO.6202	3730/V	3730/V	11 <sup>1</sup> / <sub>16</sub> "	S.C.	3930A	FS.2031
	1	1 <sup>1</sup> / <sub>16</sub> "							
	1	5 <sup>5</sup> / <sub>32</sub> "							
2	1	1 <sup>1</sup> / <sub>16</sub> "	KP.16554 MTP.12447 MDO.12448	7970/V	7970/V	11 <sup>1</sup> / <sub>16</sub> "	S.C.	3930A	FS.3054
	1	1 <sup>1</sup> / <sub>16</sub> "							
	1	5 <sup>5</sup> / <sub>32</sub> "							
3	1	1 <sup>1</sup> / <sub>16</sub> "	KP.16554 MTP.12447 MDO.12448	7970/V	7970/V	11 <sup>1</sup> / <sub>16</sub> "	S.C.	3930A	FS.3054
	1	1 <sup>1</sup> / <sub>16</sub> "							
	1	5 <sup>5</sup> / <sub>32</sub> "							
4	1	1 <sup>1</sup> / <sub>16</sub> "	KP.16554 MTP.12447 MDO.12448	7970/V	7970/V	11 <sup>1</sup> / <sub>16</sub> "	S.C.	3930A	FS.3054
	1	1 <sup>1</sup> / <sub>16</sub> "							
	1	5 <sup>5</sup> / <sub>32</sub> "							
5	1	1 <sup>1</sup> / <sub>16</sub> "	KP.16554 MTP.12447 MDO.12448	7970/V	7970/V	11 <sup>1</sup> / <sub>16</sub> "	S.C.	3930A	
	1	1 <sup>1</sup> / <sub>16</sub> "							
	1	5 <sup>5</sup> / <sub>32</sub> "							
6	1	1 <sup>1</sup> / <sub>16</sub> "	KP.16652 TP.12681 DO.5923	3742/V	3742/V	7 <sup>7</sup> / <sub>8</sub> "	S.C.	3960A	FS.2957
	1	1 <sup>1</sup> / <sub>16</sub> "							
	1	1 <sup>1</sup> / <sub>8</sub> "							
7	2	1 <sup>1</sup> / <sub>16</sub> "	P.506 DO.1407	4800/V	4802/V	7 <sup>7</sup> / <sub>8</sub> "	RC262	2994A	FS.767
	1	1 <sup>1</sup> / <sub>8</sub> "							
8	2	1 <sup>1</sup> / <sub>16</sub> "	P.6041 DO.6042	3750/V	3772/V	7 <sup>7</sup> / <sub>8</sub> "	S.C.	507A	FS.2033
	1	1 <sup>1</sup> / <sub>8</sub> "							
9	2	1 <sup>1</sup> / <sub>16</sub> "	P.506 DO.1407			7 <sup>7</sup> / <sub>8</sub> "	S.C.	507A	FS.648
	1	1 <sup>1</sup> / <sub>8</sub> "							
10	2	.060"	P.15226 DO.5795	3750/V	3762/V	7 <sup>7</sup> / <sub>8</sub> "	RC262	5703A	FS.2032 (Not suitable for Model 500T)
	1	5 <sup>5</sup> / <sub>32</sub> "							
11	2	.060"	P.15226 DO.5795	3750/V	3762/V	7 <sup>7</sup> / <sub>8</sub> "	RC262	5396A	FS.2032 (Not suitable for Model 500T)
	1	5 <sup>5</sup> / <sub>32</sub> "							
12	2	.060"	JP.5794A DO.4107A	3750/V	3750/V	7 <sup>7</sup> / <sub>8</sub> "	RC262	3172A	FS.2034
	1	1 <sup>1</sup> / <sub>8</sub> "							
13	1	.060"	KP.16650 P.15226 DO.5795	3750/V	3762/V	7 <sup>7</sup> / <sub>8</sub> "	S.C.	5703A	FS.2032
	1	.060"							
	1	5 <sup>5</sup> / <sub>32</sub> "							
14	2	1 <sup>1</sup> / <sub>16</sub> "	MP.6877 MSO.10018	4540/V	4542/V	7 <sup>7</sup> / <sub>8</sub> "	RC262	4414A	FS.2127 (for Alum. barrels)
	1	1 <sup>1</sup> / <sub>8</sub> "							
15	2	.060"	P.6978 DO.6979	3780/V	3780/V	7 <sup>7</sup> / <sub>8</sub> "	RC262	3172A	FS.2035
	1	1 <sup>1</sup> / <sub>8</sub> "							
16	2	.060"	TP.12848 DO.5639	8440/V	8440/V	7 <sup>7</sup> / <sub>8</sub> "	RC262	3172A	
	1	1 <sup>1</sup> / <sub>4</sub> "							



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

## N.S.U.

1	1954/60	49 c.c. Quickly, Cavallino, Mo-Ped, Two Port, Two Stroke (Standard size only recommended) (Chrome rings must NOT be fitted in original bores as they are chrome plated).....	H'lex	1.5748"	40 <sup>m</sup> / <sub>m</sub>	12822	25 <sup>m</sup> / <sub>m</sub>	49 <sup>m</sup> / <sub>m</sub>	1 Dome
2	1951	123 c.c. Fox, 125ZB, Two Stroke...	H'lex	2.0472"	52 <sup>m</sup> / <sub>m</sub>	13577	34 <sup>m</sup> / <sub>m</sub>	66 <sup>m</sup> / <sub>m</sub>	1 Dome
3	1955/9	123 c.c. O.H.V. Superfox 125, C.R. 8.5 to 1.....	H'lex	2.0472"	52 <sup>m</sup> / <sub>m</sub>	13648	38 <sup>m</sup> / <sub>m</sub>	65.5 <sup>m</sup> / <sub>m</sub>	1 Dome (with valve pockets)
4		147 c.c. Prima D, Scooter, Two Stroke, C.R. 6.3 to 1....	H'lex	2.2441"	57 <sup>m</sup> / <sub>m</sub>	13649	35 <sup>m</sup> / <sub>m</sub>	67 <sup>m</sup> / <sub>m</sub>	1 Dome
5		147 c.c. Prima IIIKL, Scooter, Two Port, Two Stroke, C.R. 6.5 to 1.....	H'lex	2.2441"	57 <sup>m</sup> / <sub>m</sub>	14910	44 <sup>m</sup> / <sub>m</sub>	80 <sup>m</sup> / <sub>m</sub>	1 Dome
6	1951/4	198 c.c. Lux, 201ZB, Two Stroke, C.R. 6 to 1.....	H'lex	2.4409"	62 <sup>m</sup> / <sub>m</sub>	13569	41 <sup>m</sup> / <sub>m</sub>	76 <sup>m</sup> / <sub>m</sub>	1 Dome
7	1955 onwards	198 c.c. Super Lux, 201ZB, Two Stroke, C.R. 6 to 1.....	H'lex	2.4409"	62 <sup>m</sup> / <sub>m</sub>	14567	41 <sup>m</sup> / <sub>m</sub>	82 <sup>m</sup> / <sub>m</sub>	1 Dome
8	1958/62	175 c.c. Five Star Prima Scooter, Two Stroke, C.R. 6.35 to 1.....	H'lex	2.4409"	62 <sup>m</sup> / <sub>m</sub>	14472	42 <sup>m</sup> / <sub>m</sub>	78 <sup>m</sup> / <sub>m</sub>	1 Dome
9	1953/62	247 c.c. O.H.C. Max, Supermax, C.R. 7.4 to 1.....	H'lex	2.7165"	69 <sup>m</sup> / <sub>m</sub>	W14059	43 <sup>m</sup> / <sub>m</sub>	78.75 <sup>m</sup> / <sub>m</sub>	1 Dome (with valve pockets)

## N.V. (Refer to SACHS)

## PALOMA

10		49.7 c.c. TTA, DASL, Pal, Minor, Mo-ped, Two Port, Two Stroke.....	H'lex	1.5748"	40 <sup>m</sup> / <sub>m</sub>	15027	27.5 <sup>m</sup> / <sub>m</sub>	55 <sup>m</sup> / <sub>m</sub>	1 Dome
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## PANTHER (Refer to P. & M.)

## PEUGEOT

11		147 c.c. B-Elite, C-Elegant, S157B, Scooter, Two Port, Two Stroke, C.R. 6.25 to 1....	H'lex	2.2047"	56 <sup>m</sup> / <sub>m</sub>	15578	37.25 <sup>m</sup> / <sub>m</sub>	74.25 <sup>m</sup> / <sub>m</sub>	1 Dome (with valve pockets)
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## PHILLIPS (Refer also to VILLIERS)

12	1956/9	49 c.c. Gadabout, Mo-ped, Two Stroke, C.R. 6.8 to 1 (Short Skirt).....	H'lex	1.5748"	40 <sup>m</sup> / <sub>m</sub>	13764	29 <sup>m</sup> / <sub>m</sub>	47.5 <sup>m</sup> / <sub>m</sub>	1 Dome
13	1955/9	49 c.c. Autocycle, Panda Mo-Ped, Two Port, Two Stroke	H'lex	1.5945"	40.5 <sup>m</sup> / <sub>m</sub>	13045	24 <sup>m</sup> / <sub>m</sub>	44 <sup>m</sup> / <sub>m</sub>	1 Dome

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

## N.S.U.

1	2	2 <sup>m</sup> / <sub>m</sub>	TP.11199M	6400	6400	10 <sup>m</sup> / <sub>m</sub>	RC198	4953A	
2	2	2.5 <sup>m</sup> / <sub>m</sub>	TP.9016M	9010/V	9010/V	15 <sup>m</sup> / <sub>m</sub>	RC188	5262A	
3	2	2 <sup>m</sup> / <sub>m</sub> 4 <sup>m</sup> / <sub>m</sub>	TP.13117 DO.13118	9330/V	9330/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	5262A	
4	3	2 <sup>m</sup> / <sub>m</sub>	ZP.12514G	7240/V	7240/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	5306A	
5	3	2 <sup>m</sup> / <sub>m</sub>	ZP.12514G	7240/V	7240/V	16 <sup>m</sup> / <sub>m</sub>	S.C.	5811A	
6	3	2.5 <sup>m</sup> / <sub>m</sub>	TP.12904S	9020/V	9020/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	4903A	
7	3	2.5 <sup>m</sup> / <sub>m</sub>	TP.15223G	12340/V	12340/V	18 <sup>m</sup> / <sub>m</sub>	RC217	5699A	
8	3	2 <sup>m</sup> / <sub>m</sub>	TP.14984G	11730/V	11730/V	16 <sup>m</sup> / <sub>m</sub>	S.C.	5668A	
9	1 1 1	2 <sup>m</sup> / <sub>m</sub> 2 <sup>m</sup> / <sub>m</sub> 4 <sup>m</sup> / <sub>m</sub>	KTP.10696 TP.10697 DO.10698	5990/V	5990/V	18 <sup>m</sup> / <sub>m</sub>	RC217	5248A	

## (Refer to SACHS) N.V.

## PALOMA

10	2	2.5 <sup>m</sup> / <sub>m</sub>	P.8862G	13520/V	13520/V	10.3 <sup>m</sup> / <sub>m</sub>	RC246	5844A	
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## (Refer to P. & M.) PANTHER

## PEUGEOT

11	3	2.5 <sup>m</sup> / <sub>m</sub>	ZP.15778S	15730/V	15730/V	16 <sup>m</sup> / <sub>m</sub>	S.C.	5284A	
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## (Refer also to VILLIERS) PHILLIPS

12	2	2.5 <sup>m</sup> / <sub>m</sub>	TP.11136G	9690/V	9690/V	12 <sup>m</sup> / <sub>m</sub>	RC108	4948A	
13	2	2.5 <sup>m</sup> / <sub>m</sub>	P.11552G	7160/V	7160/V	10 <sup>m</sup> / <sub>m</sub>	RC107	5046A	





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

PHOENIX (Refer to VILLIERS)

P. & M. (Refer also to VILLIERS)

1	1947/60	250 c.c. O.H.V. Panther, 65, Stroud Competition, C.R. 6-25 to 1	H'lex	2-3622"	60 <sup>m</sup> / <sub>m</sub>	10035	1 <sup>9</sup> / <sub>16</sub> "	2 <sup>15</sup> / <sub>16</sub> "	1	Dome
2	1947/61	350 c.c. O.H.V. Panther, 75, Stroud Competition	H'lex	2-7953"	71 <sup>m</sup> / <sub>m</sub>	9834	1 <sup>7</sup> / <sub>32</sub> "	2 <sup>19</sup> / <sub>32</sub> "	1	Concave
3	1936/61	598 c.c. O.H.V. 100, 100S, Panther, Redwing	H'lex	3-4252"	87 <sup>m</sup> / <sub>m</sub>	W11734	1 <sup>3</sup> / <sub>4</sub> "	3 <sup>11</sup> / <sub>32</sub> "	1	Flat (with valve pockets)
4	1959/61	645 c.c. O.H.V. 120, C.R. 6-5 to 1	H'lex	3-4745"	88-251 <sup>m</sup> / <sub>m</sub>	W14464	1 <sup>3</sup> / <sub>4</sub> "	3 <sup>11</sup> / <sub>32</sub> "	1	Flat Bevelled

POWER PAK

5	1950/5	49 c.c. Cycle Motor Attachment (Late type with 15/32" G. Pin)	Al.	1-5354"	39 <sup>m</sup> / <sub>m</sub>	11205	32 <sup>m</sup> / <sub>m</sub>	57 <sup>m</sup> / <sub>m</sub>	1	2 Str.
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PROGRESS (Refer to SACHS and VILLIERS)

PUCH

6		49 c.c. MS50 Moped, Two Stroke, C.R. 6-5 to 1 (Ported Skirt)	H'lex	1-4961"	38 <sup>m</sup> / <sub>m</sub>	15253	26 <sup>m</sup> / <sub>m</sub>	50 <sup>m</sup> / <sub>m</sub>	1	Dome
7		48 c.c. MS50 Mo-Ped	H'lex	1-4961"	38 <sup>m</sup> / <sub>m</sub>	14821	26 <sup>m</sup> / <sub>m</sub>	52-5 <sup>m</sup> / <sub>m</sub>	1	Dome
8		49 c.c. VSK50, DSSOK, Moped, Two Stroke (Ported Skirt)	H'lex	1-4961"	38 <sup>m</sup> / <sub>m</sub>	15872	26 <sup>m</sup> / <sub>m</sub>	55 <sup>m</sup> / <sub>m</sub>	1	Dome
9	1957/8	172 c.c. 175SVS, Two Stroke, C.R. 6-5 to 1 (Twin Single)...	H'lex	1-6535"	42 <sup>m</sup> / <sub>m</sub>	14918	49 <sup>m</sup> / <sub>m</sub>	81 <sup>m</sup> / <sub>m</sub>	2	Dome
10	1960/61	60 c.c. Cheetah Scooter, Two Port, Two Stroke.....	H'lex	1-6535"	42 <sup>m</sup> / <sub>m</sub>	15556	26 <sup>m</sup> / <sub>m</sub>	52-5 <sup>m</sup> / <sub>m</sub>	1	Dome
11		121 c.c. RL125 Scooter, Two Port, Two Stroke, C.R. 6-5 to 1	H'lex	2-0472"	52 <sup>m</sup> / <sub>m</sub>	15116	38-25 <sup>m</sup> / <sub>m</sub>	73-5 <sup>m</sup> / <sub>m</sub>	1	Dome
12	1959/61	147 c.c. SR/SRA150, Alpine Scooter, C.R. 6-5 to 1	H'lex	2-2441"	57 <sup>m</sup> / <sub>m</sub>	15252	38 <sup>m</sup> / <sub>m</sub>	73-5 <sup>m</sup> / <sub>m</sub>	1	Dome

RALEIGH

13	1959/60	49-9 c.c. Mo-ped, Two Stroke, C.R. 6 to 1	H'lex	1-4961"	38 <sup>m</sup> / <sub>m</sub>	14788	27 <sup>m</sup> / <sub>m</sub>	45 <sup>m</sup> / <sub>m</sub>	1	Flat Recessed
14	1961/2	80 c.c. Roma Scooter, One Port at bottom of skirt, Two Stroke, C.R. 7 to 1	H'lex	1-8898"	48 <sup>m</sup> / <sub>m</sub>	16002	28 <sup>m</sup> / <sub>m</sub>	54-5 <sup>m</sup> / <sub>m</sub>	1	Dome

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

(Refer to VILLIERS) PHOENIX

(Refer also to VILLIERS) P. & M.

1	2	5/64"	P.11690 DO.11691	7200/V	7200/V	3/4"	S.C.	1457A	FS.2202
2	2	3/32"	P.11674 DO.11675	7190/V	7190/V	3/4"	S.C.	1784A	FS.2203
3	2	3/32"	P.5900 EDO.9560	4960/V	4960/V	7/8"	S.C.	1869A	FS.652
4	2	3/32"	P.14890 EDO.14891	12330/V	12330/V	7/8"	S.C.	1896A	

POWER PAK

5	2	2-2 <sup>m</sup> / <sub>m</sub>	P.7551C	5470/V	5470/V	15/32"	S.C.	4470A	
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(Refer to SACHS and VILLIERS) PROGRESS

PUCH

6	2	2-5 <sup>m</sup> / <sub>m</sub>	P.7340G	6190/V	6190/V	10 <sup>m</sup> / <sub>m</sub>	RC107	5143A	
7	2	2-5 <sup>m</sup> / <sub>m</sub>	P.7340G	6190/V	6190/V	10 <sup>m</sup> / <sub>m</sub>	RC107	5143A	
8	2	2-5 <sup>m</sup> / <sub>m</sub>	P.7340G	6190/V	6190/V	10 <sup>m</sup> / <sub>m</sub>	RC107	5143A	
9	3	2-5 <sup>m</sup> / <sub>m</sub>	P.7378G	14540/V	14540/V	18 <sup>m</sup> / <sub>m</sub>	S.C.	5864A	
10	2	2-5 <sup>m</sup> / <sub>m</sub>	P.17106G	16250/V	16250/V	10 <sup>m</sup> / <sub>m</sub>	RC107	6027A	
11	2	2-5 <sup>m</sup> / <sub>m</sub>	P.5295S	6500/V	6500/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	5227A	
12	2	2-5 <sup>m</sup> / <sub>m</sub>	P.12483G	11900/V	11900/V	18 <sup>m</sup> / <sub>m</sub>	S.C.	5923A	

RALEIGH

13	2	2 <sup>m</sup> / <sub>m</sub>	P.15711M	5330/V	5332/V	14 <sup>m</sup> / <sub>m</sub>	S.C.	4104A	
14	3	2 <sup>m</sup> / <sub>m</sub>	P.17946G	17680/V	17680/V	14 <sup>m</sup> / <sub>m</sub>	S.C.	6261A	



# PISTONS MOTOR CYCLES

SCOOTERS, MOPEDS  
AND MOTOR CYCLE ENGINES



SCOOTERS, MOPEDS  
MOTOR CYCLE ENGINES AND

# PISTONS MOTOR CYCLES

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

## REX

1	49 c.c.	Two Stroke, C.R. 6-8 to 1 (Short Skirt).....	H'lex	1.5748"	40 <sup>m</sup> / <sub>m</sub>	13764	29 <sup>m</sup> / <sub>m</sub>	47.5 <sup>m</sup> / <sub>m</sub>	1 Dome
2	49 c.c.	504 Mo-ped, Two Stroke (Long Skirt) .....	H'lex	1.5748"	40 <sup>m</sup> / <sub>m</sub>	15050	29 <sup>m</sup> / <sub>m</sub>	51 <sup>m</sup> / <sub>m</sub>	1 Dome
3	49 c.c.	Two Port, Two Stroke.....	H'lex	1.5945"	40.5 <sup>m</sup> / <sub>m</sub>	13045	24 <sup>m</sup> / <sub>m</sub>	44 <sup>m</sup> / <sub>m</sub>	1 Dome

## ROYAL ENFIELD

4	1945/50	125 c.c. RE, Two Stroke (Without cut-out in Piston Crown and with Stop Pegs at 15° to G.Pin centre line).....	H'lex	2.1260"	54 <sup>m</sup> / <sub>m</sub>	10265	1 1/2"	2 5/8"	1 Flat Bevelled
5	1951/3	125 c.c. RE, Two Stroke C.R. 5-5 to 1 (Without cut-out in Piston Crown and Stop Pegs approx. 37° to G. Pin centre line. Offset Ports) .....	H'lex	2.1260"	54 <sup>m</sup> / <sub>m</sub>	11902	1 1/2"	2 5/8"	1 Flat Bevelled
6	1953/62	148 c.c. 150 Ensign, Prince, Two Port, Two Stroke, C.R. 6-5 to 1 .....	H'lex	2.2047"	56 <sup>m</sup> / <sub>m</sub>	12426	1 5/8"	2 3/4"	1 Flat Bevelled
7	1949/57	248 c.c. O.H.V. 250 Clipper, 1 Cyl. 496 c.c. O.H.V. 500 Twin, C.R. 6-5 to 1 .....	H'lex	2.5185"	63.969 <sup>m</sup> / <sub>m</sub>	SW10817	1 7/16"	2 9/16"	1/2 Dome (with valve pockets)
8		(High Comp. for above) 250 Clipper, C.R. 8-75 to 1 500 Twin, C.R. 8-1 to 1	H'lex	2.5185"	63.969 <sup>m</sup> / <sub>m</sub>	SW11973	1 39/64"	2 47/64"	1/2 Dome (with valve pockets)
9	1949/57	496 c.c. O.H.V. 500 Twin, High Comp. C.R. 8-5 to 1 .....	Al.	2.5185"	63.969 <sup>m</sup> / <sub>m</sub>	11350	1 23/32"	2 27/32"	2 Dome (with valve pockets)
10	1941/54	346 c.c. O.H.V. WD, G .....	H'lex	2.751"	69.874 <sup>m</sup> / <sub>m</sub>	SW12871	1 3/8"	2 31/32"	1 Flat
11	1948/59	346 c.c. O.H.V. G2, 350 Bullet ... 350 Clipper, C.R. 6-5 to 1	H'lex	2.751"	69.874 <sup>m</sup> / <sub>m</sub>	SW11250	1 33/64"	3 7/64"	1 Dome
12	1948/59	346 c.c. O.H.V. G2, 350 Bullet, 350 Clipper, High Comp. C.R. 7-25 to 1 .....	H'lex	2.751"	69.874 <sup>m</sup> / <sub>m</sub>	SW12493	1 41/64"	3 15/64"	1 Dome
	1960/2	346 c.c. O.H.V. 350 Clipper, Trials, C.R. 6-75 to 1 .....							
13		(High Comp. for above) C.R. 8-5 to 1 .....	Al.	2.751"	69.874 <sup>m</sup> / <sub>m</sub>	13411	1.953"	3.547"	1 Dome (with valve pockets)
14	1953/4	692 c.c. O.H.V. Meteor 700, C.R. 6-5 to 1 .....	H'lex	2.751"	69.874 <sup>m</sup> / <sub>m</sub>	SW11436	1 33/64"	2.811"	2 Dome
15	1955/62	692 c.c. O.H.V. Meteor 700, Super Meteor, C.R. 7-25 to 1 ...	H'lex	2.751"	69.874 <sup>m</sup> / <sub>m</sub>	W12753	1 41/64"	2.936"	2 Dome
16	1953/ mid. 59	692 c.c. O.H.V. Meteor 700, Super Meteor, High Comp. C.R. 8 to 1 .....	H'lex	2.751"	69.874 <sup>m</sup> / <sub>m</sub>	W12123	1 13/16"	3.107"	2 Dome (with valve pockets)
	1958/ Mid. 59	692 c.c. O.H.V. Constellation, C.R. 8-5 to 1 .....							

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

## REX

1	2	2.5 <sup>m</sup> / <sub>m</sub>	TP.11136G	9690/V	9690/V	12 <sup>m</sup> / <sub>m</sub>	RC108	4948A
2	2	2.5 <sup>m</sup> / <sub>m</sub>	TP.11136G	9690/V	9690/V	12 <sup>m</sup> / <sub>m</sub>	RC108	4948A
3	2	2.5 <sup>m</sup> / <sub>m</sub>	P.11552G	7160/V	7160/V	10 <sup>m</sup> / <sub>m</sub>	RC107	5046A

## ROYAL ENFIELD

4	2	1/8"	P.5849C	3790/V	3790/V.	.496"	RC10	4920A	
5	2	1/8"	P.5849C	3790/V	3790/V	.496"	RC204	4920A	
6	2	1/8"	P.10387C	5500/V	5500/V	.496"	RC204	4920A	
7	1	1/16"	KTP.8210	1 Cyl. 6730/V	6730/V	3/4"	RC93	2997A	
	1	1/16"	TP.7271	2 Cyl. 3800/V	3800/V				
	1	5/32"	DO.6787	1 Cyl. 3800/V	3800/V				
8	1	1/16"	KTP.8210	1 Cyl. 6730/V	6730/V	3/4"	RC93	2997A	
	1	1/16"	TP.7271	2 Cyl. 3800/V	3800/V				
	1	5/32"	DO.6787	2 Cyl. 3800/V	3800/V				
9	1	1/16"	KTP.8210	1 Cyl. 3800/V	3800/V	3/4"	RC93	2997A	
	1	1/16"	TP.7271						
	1	5/32"	DO.6787						
10	2	1/16"	TP.4002	3810/V	3810/V	3/4"	RC93	3014A	FS.2282
	1	5/32"	OC.4003						
11	1	1/16"	KTP.7139	3810/V	3810/V	3/4"	RC93	3014A	FS.2282
	1	1/16"	TP.4002						
	1	5/32"	OC.4003						
12	1	1/16"	KTP.7139	3810/V	3810/V	3/4"	RC93	6144A	FS.2282
	1	1/16"	TP.4002						
	1	5/32"	OC.4003						
13	1	1/16"	KTP.7139	3810/V	3810/V	3/4"	RC93	6144A	FS.2282
	1	1/16"	TP.4002						
	1	5/32"	DO.12556						
14	1	1/16"	KTP.7139	5650/V	5650/V	3/4"	RC93	6144A	FS.2996
	1	1/16"	TP.4002						
	1	5/32"	OC.4003						
15	1	1/16"	KTP.7139	12180/V	12180/V	3/4"	RC93	6144A	
	1	1/16"	TP.4002						
	1	5/32"	MSO.15763						
16	1	1/16"	KTP.7139	12180/V	12180/V	3/4"	RC93	3014A	
	1	1/16"	TP.4002						
	1	5/32"	MSO.15763						



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

## ROYAL ENFIELD (Continued)

1		(High Comp. for above) C.R. 10 to 1.....	H'lex 2-751"	69-874 <sup>m</sup> / <sub>m</sub>	WI3236	1 <sup>15</sup> / <sub>16</sub> "	3-232"	2	Dome (with valve pockets)
2	1957	248 c.c. O.H.V. Crusader 250, C.R. 7-3 to 1 .....	H'lex 2-751"	69-874 <sup>m</sup> / <sub>m</sub>	SW12706	1 <sup>41</sup> / <sub>64</sub> "	2-936"	1	Dome (with valve pockets)
3	1958/ mid 59	496 c.c. O.H.V. 500 Twin, Meteor Minor, C.R. 8-5 to 1.....	H'lex 2-751"	69-874 <sup>m</sup> / <sub>m</sub>	I3864	2"	3-295"	2	Dome (with valve pockets)
4	1958/62	248 c.c. O.H.V. Clipper 250, C.R. 7-5 to 1 .....	H'lex 2-751"	69-874 <sup>m</sup> / <sub>m</sub>	WI4989	1-774"	3-069"	1	Dome (with valve pockets)
5	1958/62	248 c.c. O.H.V. Crusader 250, C.R. 8-3 to 1, Crusader Sports C.R. 8-5 to 1 .....	H'lex 2-751"	69-874 <sup>m</sup> / <sub>m</sub>	WI5664	1 <sup>13</sup> / <sub>16</sub> "	3-107"	1	Dome (with valve pockets)
6	Mid 1959 on	350 c.c. O.H.V. 350 Bullet, C.R. 7-5 to 1. 1 Cyl..... 692 c.c. O.H.V. Meteor 700, Super Meteor, High Comp. C.R. 8 to 1. 2 Cyl..... 692 c.c. O.H.V. Constellation, C.R. 8-5 to 1. 2 Cyl.....	H'lex 2-751"	69-874 <sup>m</sup> / <sub>m</sub>	WI4843	1 <sup>13</sup> / <sub>16</sub> "	3-108"	1/2	Dome (with valve pockets)
7	Late 1959 1960/2	496 c.c. O.H.V. 500 Twin, Meteor Minor, C.R. 8-5 to 1..... 496 c.c. O.H.V. 500 Twin, Meteor Minor, C.R. 8 to 1.....	H'lex 2-751"	69-874 <sup>m</sup> / <sub>m</sub>	WI4844	2"	3-295"	2	Dome (with valve pockets)
8	1962	248 c.c. O.H.V. Crusader Super 5 C.R. 9 to 1 .....	H'lex 2-751"	69-874 <sup>m</sup> / <sub>m</sub>	WI5663	1-852"	3-147"	1	Dome (with valve pockets)
9	1963	736 c.c. O.H.V. Interceptor, C.R. 8 to 1.....	H'lex 2-791"	70-890 <sup>m</sup> / <sub>m</sub>	I5677	1-837"	2-837"	2	Dome (with valve pockets)
10	1953/9 1960/2	499 c.c. O.H.V. 500 Bullet, C.R. 6-5 to 1 .....	H'lex 3-30675"	83-990 <sup>m</sup> / <sub>m</sub>	SW11814	2 <sup>1</sup> / <sub>32</sub> "	3 <sup>1</sup> / <sub>4</sub> "	1	Dome
		499 c.c. O.H.V. 500 Bullet, C.R. 7-25 to 1 .....	Tin For Cast Iron barrels Plated 3-30525"	83-952 <sup>m</sup> / <sub>m</sub>					
									For Alum. barrels
11		(High Comp. for above) C.R. 7-5 to 1 .....	H'lex 3-30675"	83-990 <sup>m</sup> / <sub>m</sub>	WI3113	2 <sup>3</sup> / <sub>16</sub> "	3 <sup>13</sup> / <sub>32</sub> "	1	Dome (with valve pockets)
			Tin For Cast Iron barrels Plated 3-30525"	83-952 <sup>m</sup> / <sub>m</sub>					
									For Alum. barrels
12		499 c.c. O.H.V. JS Scrambler, C.R. 8-75 to 1 .....	Al. 3-30675"	83-990 <sup>m</sup> / <sub>m</sub>	I3407	2 <sup>23</sup> / <sub>64</sub> "	3 <sup>37</sup> / <sub>64</sub> "	1	Dome (with valve pockets)
									For Cast Iron barrels
									3-30525" 83-952 <sup>m</sup> / <sub>m</sub>
									For Alum. barrels
13	1938/55	499 c.c. O.H.V., J, J2 .....	H'lex 3-3071"	84 <sup>m</sup> / <sub>m</sub>	9961	1 <sup>21</sup> / <sub>32</sub> "	88-5 <sup>m</sup> / <sub>m</sub>	1	Flat

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

## (Continued) ROYAL ENFIELD

1	1	1 <sup>1</sup> / <sub>16</sub> "	KTP.7139 TP.4002 OC.4003	5650/V	5650/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	6144A
2	1	1 <sup>1</sup> / <sub>16</sub> "	KTP.7139 TP.4002 OC.4003	3810/V	3810/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	6144A
3	1	1 <sup>1</sup> / <sub>16</sub> "	KTP.7139 TP.4002 OC.4003	5650/V	5650/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	3014A
4	1	1 <sup>1</sup> / <sub>16</sub> "	KTP.7139 TP.4002 OC.4003	3810/V	3810/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	6144A
5	1	1 <sup>1</sup> / <sub>16</sub> "	KTP.7139 TP.4002 OC.4003	3810/V	3810/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	6144A
6	1	1 <sup>1</sup> / <sub>16</sub> "	KTP.7139 TP.4002 MSO.15763	(1 Cyl.) 16650/V (2 Cyl.) 12180/V	16650/V 12180/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	6144A
7	1	1 <sup>1</sup> / <sub>16</sub> "	KTP.7139 TP.4002 MSO.15763	12180/V	12180/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	6144A
8	1	1 <sup>1</sup> / <sub>16</sub> "	KTP.7139 TP.4002 OC.4003	3180/V	3180/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	6144A
9	1	1 <sup>1</sup> / <sub>16</sub> "	KP.17354 TP.17355 MSO.17356	16240/V	16240/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	6144A
10	1	1 <sup>1</sup> / <sub>16</sub> "	KP.16583 TP.13905 DO.13985	10240/V	10242/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	3661A
11	1	1 <sup>1</sup> / <sub>16</sub> "	KP.16583 TP.13905 DO.13985	10240/V	10242/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	3661A
12	1	1 <sup>1</sup> / <sub>16</sub> "	KP.16583 MTP.13983 MDO.13984			3 <sup>3</sup> / <sub>4</sub> "	RC93	4464A
13	2	1 <sup>1</sup> / <sub>16</sub> "	TP.5469 MDO.8066	3820/V	3820/V	3 <sup>3</sup> / <sub>4</sub> "	RC93	3661A
	1	5 <sup>1</sup> / <sub>32</sub> "						FS.748



PISTONS									
Line No.	Make and Year	Model	Metal	Cylinder Bore Inches	Millimetres	Ref. No.	Comp.	Length	No. of Cyls. Head
SACHS									
1		47 c.c. 50, Two Stroke .....	H'lex	1.4961"	38 <sup>m</sup> / <sub>m</sub>	14272	31 <sup>m</sup> / <sub>m</sub>	53 <sup>m</sup> / <sub>m</sub>	1 Dome
2		98 c.c. M50, Two Port, Two Stroke	H'lex	1.8898"	48 <sup>m</sup> / <sub>m</sub>	13176	35 <sup>m</sup> / <sub>m</sub>	64.5 <sup>m</sup> / <sub>m</sub>	1 Dome (with valve pockets)
3		175 c.c. 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
4		200 c.c. Two Stroke ..... (Two Ports in Skirt) ... }	H'lex	2.5590"	65 <sup>m</sup> / <sub>m</sub>	15224	35.5 <sup>m</sup> / <sub>m</sub>	73.5 <sup>m</sup> / <sub>m</sub>	1 Flat (with cut outs)

SUNBEAM									
5		350 c.c. O.H.V. B24 .....	H'lex	2 <sup>23</sup> / <sub>32</sub> "	69.056 <sup>m</sup> / <sub>m</sub>	W9990	1 <sup>1</sup> / <sub>2</sub> "	3 <sup>7</sup> / <sub>16</sub> "	1 Cone
6	1946/57	487 c.c. O.H.C. S7, S8, Twin, C.R. 6.55 to 1 (R.B.P.)..... }	H'lex	2.7487"	69.816 <sup>m</sup> / <sub>m</sub>	RSW11304	1.34"	2.716"	2 Flat
7		(High Comp. for above) } C.R. 7-2 to 1 (R.B.P.)... }	H'lex	2.7487"	69.816 <sup>m</sup> / <sub>m</sub>	RSW11305	1.52"	2.895"	2 Spec. Flat

TERROT									
8	1960	Scooter .....	H'lex	2.1653"	55 <sup>m</sup> / <sub>m</sub>	15352	41.1 <sup>m</sup> / <sub>m</sub>	67.7 <sup>m</sup> / <sub>m</sub>	1 Spec.

TINA									
9	1962/3	100 c.c. Scooter, Two Port, Two Stroke, C.R. 7 to 1..... }	H'lex	1.9843"	50.4 <sup>m</sup> / <sub>m</sub>	15957	1 <sup>1</sup> / <sub>16</sub> "	2 <sup>11</sup> / <sub>32</sub> "	1 Flat

TORPEDO (Refer to SACHS)

TRIUMPH									
10	1945/51	350 c.c. O.H.V. De Luxe 3T, Twin, C.R. 6-3 to 1 .....	H'lex	2.1653"	55 <sup>m</sup> / <sub>m</sub>	10500	1 <sup>9</sup> / <sub>32</sub> "	2 <sup>15</sup> / <sub>32</sub> "	2 Slight Dome (with valve pockets)
11	1947/8	350 c.c. O.H.V. Tiger 85, C.R. 7 to 1 (Also suitable as High Comp. for 3T Twin)..... }	H'lex	2.1653"	55 <sup>m</sup> / <sub>m</sub>	10499	1 <sup>15</sup> / <sub>32</sub> "	2 <sup>21</sup> / <sub>32</sub> "	2 Dome Radiused (with valve pockets)
12	1959/61	249 c.c. O.H.V. Tigress Scooter TW2, C.R. 6-4 to 1..... }	H'lex	2.2047"	56 <sup>m</sup> / <sub>m</sub>	14588	1 <sup>3</sup> / <sub>32</sub> "	2 <sup>1</sup> / <sub>16</sub> "	2 Flat Bev'd (with valve pockets)
13	1953/6	150 c.c. O.H.V. Terrier, T15, C.R. 7 to 1..... }	H'lex	2.2441"	57 <sup>m</sup> / <sub>m</sub>	11952	1.218"	2.218"	1 Flat Bevelled (with valve pockets)
14		(High Comp. for above) } C.R. 9 to 1 .....	H'lex	2.2441"	57 <sup>m</sup> / <sub>m</sub>	W11982	1.437"	2.437"	1 Flat Bevelled (with valve pockets)

RINGS				RING SETS		PINS		LINERS
Line No.	No. of Rings	Width	Ref. No.	Original Regular	Replacement Regular	Dia.	Type	Ref. No.
SACHS								
1	2	2 <sup>m</sup> / <sub>m</sub>	TP.9763G	8700/V	8700/V	12 <sup>m</sup> / <sub>m</sub>	RC202	5539A
2	2	2.5 <sup>m</sup> / <sub>m</sub>	TP.12093G	7730/V	7730/V	12.025 <sup>m</sup> / <sub>m</sub>	RC108	5556A
3	2	2.5 <sup>m</sup> / <sub>m</sub>	P.12393G	8350/V	8350/V	15 <sup>m</sup> / <sub>m</sub>	RC188	5179A
4	3	3 <sup>m</sup> / <sub>m</sub>	TP.16434M	14580/V	14580/V	15 <sup>m</sup> / <sub>m</sub>	S.C.	1261A

SUNBEAM								
5	2	1 <sup>1</sup> / <sub>16</sub> "	TP.10805			7 <sup>7</sup> / <sub>8</sub> "	S.C.	3675A
6	2	1 <sup>1</sup> / <sub>8</sub> "	DO.6027					
	2	1 <sup>1</sup> / <sub>16</sub> "	TP.7718	3830/V	3830/V	3 <sup>3</sup> / <sub>4</sub> "	S.C.	4326A
	2	5 <sup>5</sup> / <sub>32</sub> "	DO.7719					
7	2	1 <sup>1</sup> / <sub>16</sub> "	TP.7718	3830/V	3830/V	3 <sup>3</sup> / <sub>4</sub> "	S.C.	4326A
	2	5 <sup>5</sup> / <sub>32</sub> "	DO.7719					

TERROT								
8	2	2.5 <sup>m</sup> / <sub>m</sub>	P.16727D			14 <sup>m</sup> / <sub>m</sub>	RC169	5442A

TINA								
9	2	1 <sup>1</sup> / <sub>16</sub> "	TP.17877M	17570/V	17570/V	1 <sup>1</sup> / <sub>2</sub> "	RC292	6188A

(Refer to SACHS) TORPEDO

TRIUMPH								
10	1	1 <sup>1</sup> / <sub>16</sub> "	P.5126	3840/V	3840/V	9 <sup>9</sup> / <sub>16</sub> "	RC161	3538A
	1	1 <sup>1</sup> / <sub>16</sub> "	TP.7723					
	1	3 <sup>3</sup> / <sub>32</sub> "	DO.5127					
11	1	1 <sup>1</sup> / <sub>16</sub> "	P.5126	3840/V	3840/V	9 <sup>9</sup> / <sub>16</sub> "	RC161	3538A
	1	1 <sup>1</sup> / <sub>16</sub> "	TP.7723					
	1	3 <sup>3</sup> / <sub>32</sub> "	DO.5127					
12	2	1 <sup>1</sup> / <sub>16</sub> "	TP.13725	11760/V	11760/V	9 <sup>9</sup> / <sub>16</sub> "	RC225	6141A
	1	3 <sup>3</sup> / <sub>32</sub> "	DO.13723					
13	2	1 <sup>1</sup> / <sub>16</sub> "	P.8860	5570/V	5570/V	9 <sup>9</sup> / <sub>16</sub> "	RC161	3538A
	1	3 <sup>3</sup> / <sub>32</sub> "	DO.8861					
14	2	1 <sup>1</sup> / <sub>16</sub> "	P.8860	5570/V	5570/V	9 <sup>9</sup> / <sub>16</sub> "	RC161	3538A
	1	3 <sup>3</sup> / <sub>32</sub> "	DO.8861					



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

TRIUMPH (Continued)

1	1957/62	348 c.c. O.H.V. T21, 3TA, C.R. 7.5 to 1 .....	H'lex	2.2933"	58.25 <sup>m</sup> / <sub>m</sub>	I3952	1 <sup>13</sup> / <sub>32</sub> "	2 <sup>15</sup> / <sub>32</sub> "	2	Dome (with valve pockets)	
2		(High Comp. for above) C.R. 9 to 1 .....	H'lex	2.2933"	58.25 <sup>m</sup> / <sub>m</sub>	I4180	1 <sup>33</sup> / <sub>64</sub> "	2 <sup>37</sup> / <sub>64</sub> "	2	Dome (with valve pockets)	
3	1959/61	173 c.c. TSI Tigress, Two Stroke...	H'lex	2.4213"	61.5 <sup>m</sup> / <sub>m</sub>	I4178	1.27"	2.455"	1	Flat	
4	1938/58	498 c.c. O.H.V. Speed Twin, 5T, C.R. 7 to 1 (Also suitable for Trophy TR5) .....	H'lex	2.4803"	63 <sup>m</sup> / <sub>m</sub>	WI0334	1 <sup>3</sup> / <sub>8</sub> "	2 <sup>11</sup> / <sub>16</sub> "	2	Dome (with valve pockets)	
5	1938/59	498 c.c. O.H.V. Tiger 100, Speed Twin 5T, Trophy TR5, Grand Prix, Slipper Design, High Comp. C.R. 8.5 to 1 .....	H'lex	2.4803"	63 <sup>m</sup> / <sub>m</sub>	8421	1 <sup>21</sup> / <sub>32</sub> "	2 <sup>31</sup> / <sub>32</sub> "	2	Dome Radiused (with valve pockets)	
6	1938/59	498 c.c. O.H.V. Tiger 100, Speed Twin 5T, Trophy TR5, Grand Prix, High Comp. C.R. 12 to 1 .....	H'lex	2.4803"	63 <sup>m</sup> / <sub>m</sub>	I0652	1 <sup>15</sup> / <sub>16</sub> "	3 <sup>1</sup> / <sub>4</sub> "	2	Spec. Dome (with valve pockets)	
7	1939/54	498 c.c. O.H.V. Tiger 100, C.R. 7.7 to 1 (Also suitable for Speed Twin 5T, Trophy TR5) .....	H'lex	2.4803"	63 <sup>m</sup> / <sub>m</sub>	WI1563	1 <sup>7</sup> / <sub>16</sub> "	2 <sup>3</sup> / <sub>4</sub> "	2	Slight Dome Radiused (with valve pockets)	
8	1948/50	498 c.c. O.H.V. Grand Prix, C.R. 8 to 1 (Also suitable for Tiger 100, Speed Twin 5T, Trophy TR5) .....	H'lex	2.4803"	63 <sup>m</sup> / <sub>m</sub>	I2420	1 <sup>1</sup> / <sub>2</sub> "	2 <sup>13</sup> / <sub>16</sub> "	2	Spec. (with valve pockets)	
9	1955/9	498 c.c. O.H.V. Tiger 100, Trophy TR5, C.R. 8 to 1 .....	(High Comp. for above) C.R. 9 to 1 .....	H'lex	2.4803"	63 <sup>m</sup> / <sub>m</sub>	I3423	1 <sup>19</sup> / <sub>32</sub> "	2 <sup>29</sup> / <sub>32</sub> "	2	Spec. (with valve pockets)
10	1954/62	200 c.c. O.H.V. Tiger Cub, T20, C.R. 7 to 1 .....	(Recommended maximum oversize is +.040")	H'lex	2.4803"	63 <sup>m</sup> / <sub>m</sub>	WI2581	1 <sup>1</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>16</sub> "	1	Flat (with valve pockets)
11		(High Comp. for above) C.R. 9 to 1 .....	Al.	2.4803"	63 <sup>m</sup> / <sub>m</sub>	I2600	1 <sup>7</sup> / <sub>16</sub> "	2 <sup>3</sup> / <sub>8</sub> "	1	Dome (with valve pockets)	
12		(High Comp. for above) C.R. 10.5 to 1 .....	Al.	2.4803"	63 <sup>m</sup> / <sub>m</sub>	I3469	1 <sup>5</sup> / <sub>8</sub> "	2 <sup>9</sup> / <sub>16</sub> "	1	Stepped Dome (with valve pockets)	

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

(Continued) TRIUMPH

1	1	1 <sup>1</sup> / <sub>16</sub> "	P.12760 MTP.12759 DO.12761	10280/V	10280/V	9 <sup>9</sup> / <sub>16</sub> "	RC161	3538A	
2	1	1 <sup>1</sup> / <sub>16</sub> "	P.12760 MTP.12759 DO.12761	10280/V	10280/V	9 <sup>9</sup> / <sub>16</sub> "	RC161	3538A	
3	2	3 <sup>3</sup> / <sub>32</sub> "	P.14510S	10940/V	10940/V	9 <sup>9</sup> / <sub>16</sub> "	RC273	3244A	
4	2	1 <sup>1</sup> / <sub>8</sub> "	TP.7721 DO.5133	3850/V	3850/V	17.5 <sup>m</sup> / <sub>m</sub>	RC162	1662A	FS.680 (for Cast Iron barrels) FS.2543 (for Alum. barrels)
5	1	1 <sup>1</sup> / <sub>16</sub> "	P.1551 TP.7721 DO.159	3850/V	3850/V	17.5 <sup>m</sup> / <sub>m</sub>	S.C.	2790A	FS.680 (for Cast Iron barrels) FS.2543 (for Alum. barrels)
6	2	1 <sup>1</sup> / <sub>8</sub> "	MP.6637 MDO.6638			17.5 <sup>m</sup> / <sub>m</sub>	RC162	1662A	FS.680 (for Cast Iron barrels) FS.2543 (for Alum. barrels)
7	2	1 <sup>1</sup> / <sub>8</sub> "	TP.7721 DO.5133	3850/V	3850/V	17.5 <sup>m</sup> / <sub>m</sub>	RC162	1662A	FS.680 (for Cast Iron barrels) FS.2543 (for Alum. barrels)
8	2	1 <sup>1</sup> / <sub>8</sub> "	MP.6637 MDO.6638			17.5 <sup>m</sup> / <sub>m</sub>	RC162	1662A	
9	2	1 <sup>1</sup> / <sub>8</sub> "	MP.6637 MDO.6638			17.5 <sup>m</sup> / <sub>m</sub>	RC162	6163A	
10	2	1 <sup>1</sup> / <sub>8</sub> "	TP.7725 OC.10639	5810/V	5810/V	9 <sup>9</sup> / <sub>16</sub> "	RC161	3538A	
11	2	1 <sup>1</sup> / <sub>8</sub> "	TP.7725 OC.10639	5810/V	5810/V	9 <sup>9</sup> / <sub>16</sub> "	RC161	3538A	
12	2	1 <sup>1</sup> / <sub>8</sub> "	MTP.11074 MOC.12694	—	10872/V	9 <sup>9</sup> / <sub>16</sub> "	RC161	5224A	



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

TRIUMPH (Continued)

1	1959/62	490 c.c. O.H.V. Speed Twin, 5TA...	H'lex Tin Plated	2.7165" 69 <sup>m</sup> / <sub>m</sub>	WI5034	1 <sup>25</sup> / <sub>64</sub> " 2 <sup>31</sup> / <sub>64</sub> "	2	Dome (with valve pockets)
2	1960/2	490 c.c. O.H.V. Tiger 100, T100A, C.R. 9 to 1	H'lex	2.7165" 69 <sup>m</sup> / <sub>m</sub>	I5123	1 <sup>17</sup> / <sub>32</sub> " 2 <sup>5</sup> / <sub>8</sub> "	2	Spec.
3	1937/42	349 c.c. S.V. 3S, 3SE, 3SC, 3SW, WD, De Luxe, C.R. 5-3 to 1	H'lex	2.7559" 70 <sup>m</sup> / <sub>m</sub>	7576	1 <sup>9</sup> / <sub>32</sub> " 2 <sup>19</sup> / <sub>32</sub> "	1	Flat
4	1954/5	649 c.c. O.H.V. Tiger 110, C.R. 8.5 to 1	H'lex	2.7948" 70.987 <sup>m</sup> / <sub>m</sub>	WI2713	1.452" 2.7625"	2	Flat Radiused (with valve pockets)
5	1956	649 c.c. O.H.V. Tiger 110, Trophy TR6, C.R. 8.5 to 1 (Recommended maximum oversize is +.040")	H'lex	2.7948" 70.987 <sup>m</sup> / <sub>m</sub>	WI3528	1.452" 2.7625"	2	Flat Radiused (with valve pockets)
6		(High Comp. for above) C.R. 9 to 1	H'lex	2.7948" 70.987 <sup>m</sup> / <sub>m</sub>	WI3980	1.512" 2.8225"	2	Flat Radiused (with valve pockets)
7	1957/60	649 c.c. O.H.V. Tiger 110, Trophy TR6, C.R. 8 to 1 (Recommended maximum oversize is +.040")	H'lex	2.7948" 70.987 <sup>m</sup> / <sub>m</sub>	WI3529	1.452" 2.7625"	2	Slight Dome Radiused (with valve pockets)
8		(High Comp. for above) C.R. 9 to 1	H'lex	2.7948" 70.987 <sup>m</sup> / <sub>m</sub>	I4087	1 <sup>41</sup> / <sub>64</sub> " 2 <sup>61</sup> / <sub>64</sub> "	2	Dome (with valve pockets)
9		(High Comp. for above) C.R. 10.5 to 1	Al.	2.7948" 70.987 <sup>m</sup> / <sub>m</sub>	I5639	1 <sup>57</sup> / <sub>64</sub> " 3 <sup>13</sup> / <sub>64</sub> "	2	Dome (with valve pockets)
10	1959/62 1961	649 c.c. O.H.V. Bonneville T120 C.R. 8.5 to 1 649 c.c. O.H.V. Tiger 110, Trophy TR6, C.R. 8.5 to 1	H'lex	2.7948" 70.987 <sup>m</sup> / <sub>m</sub>	I5219	1 <sup>31</sup> / <sub>64</sub> " 2 <sup>51</sup> / <sub>64</sub> "	2	Flat (with valve pockets)
11	1950/60	649 c.c. O.H.V. 6T, Thunderbird, C.R. 7 to 1 (Cast Iron Head)	H'lex	2.7953" 71 <sup>m</sup> / <sub>m</sub>	SWI1564	1 <sup>19</sup> / <sub>64</sub> " 2 <sup>39</sup> / <sub>64</sub> "	2	Flat (with valve pockets)
12		(High Comp. for above) C.R. 7.5 to 1	H'lex	2.7953" 71 <sup>m</sup> / <sub>m</sub>	WI5695	1.338" 2.647"	2	Flat (with valve pockets)
13		(High Comp. for above) C.R. 8.5 to 1	H'lex	2.7953" 71 <sup>m</sup> / <sub>m</sub>	I1134	1 <sup>17</sup> / <sub>32</sub> " 2 <sup>27</sup> / <sub>32</sub> "	2	Dome (with valve pockets)
14		(High Comp. for above) C.R. 9 to 1	H'lex	2.7953" 71 <sup>m</sup> / <sub>m</sub>	I3414	1 <sup>19</sup> / <sub>32</sub> " 2 <sup>29</sup> / <sub>32</sub> "	2	Dome (with valve pockets)
15	1961/2	649 c.c. O.H.V. 6T, Thunderbird, C.R. 7.5 to 1 (Alum Head)	H'lex	2.7953" 71 <sup>m</sup> / <sub>m</sub>	WI5897	1 <sup>27</sup> / <sub>64</sub> " 2 <sup>47</sup> / <sub>64</sub> "	2	Dome (with valve pockets)

VALE ONSLOW

16		250 c.c. V250, Two Stroke, C.R. 10 to 1 Conversion Piston	H'lex	2.5984" 66 <sup>m</sup> / <sub>m</sub>	I5015	1 <sup>11</sup> / <sub>32</sub> " 3 <sup>1</sup> / <sub>8</sub> "	1	Dome
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RINGS				RING SETS		PINS		LINERS
Line No.	No. of Rings	Width	Ref No.	Original Regular	Replacement Regular	Dia.	Type	Ref. No.

(Continued) TRIUMPH

1	2	1 <sup>1</sup> / <sub>16</sub> "	MTP.I2868 DO.I2870	I3570/V	I3570/V	17.487 <sup>m</sup> / <sub>m</sub>	RC162	5856A
2	2	1 <sup>1</sup> / <sub>16</sub> "	MTP.I2868 DO.I2870	I3570/V	I3570/V	17.487 <sup>m</sup> / <sub>m</sub>	RC162	5856A
3	2	1 <sup>1</sup> / <sub>16</sub> "	TP.I5798 DO.4026A	3860/V	3860/V	18.84 <sup>m</sup> / <sub>m</sub>	RC26	I659A FS.1095
4	1	1 <sup>1</sup> / <sub>16</sub> "	P.7250 TP.7720 DO.7251	3870/V	3870/V	17.5 <sup>m</sup> / <sub>m</sub>	RC162	4919A FS.2100
5	1	1 <sup>1</sup> / <sub>16</sub> "	P.7250 TP.7720 DO.7251	3870/V	3870/V	17.5 <sup>m</sup> / <sub>m</sub>	RC162	4919A FS.2100
6	1	1 <sup>1</sup> / <sub>16</sub> "	P.7250 TP.7720 DO.7251	3870/V	3870/V	17.5 <sup>m</sup> / <sub>m</sub>	RC162	4919A FS.2100
7	1	1 <sup>1</sup> / <sub>16</sub> "	P.7250 TP.7720 DO.7251	3870/V	3870/V	17.5 <sup>m</sup> / <sub>m</sub>	RC162	4919A FS.2100
8	1	1 <sup>1</sup> / <sub>16</sub> "	P.7250 TP.7720 DO.7251	3870/V	3870/V	17.5 <sup>m</sup> / <sub>m</sub>	RC162	6163A FS.2100
9	2	1 <sup>1</sup> / <sub>16</sub> "	MTP.I4631 MDO.I2117	I1050/V	I1050/V	17.5 <sup>m</sup> / <sub>m</sub>	RC162	6163A FS.2100
10	2	1 <sup>1</sup> / <sub>16</sub> "	MTP.I4631 MDO.I2117	I1050/V	I1050/V	17.5 <sup>m</sup> / <sub>m</sub>	RC162	5165A FS.2100
11	1	1 <sup>1</sup> / <sub>16</sub> "	P.7250 TP.7720 DO.7251	3870/V	3870/V	17.5 <sup>m</sup> / <sub>m</sub>	RC162	I662A FS.2100
12	1	1 <sup>1</sup> / <sub>16</sub> "	P.7250 TP.7720 DO.7251	3870/V	3870/V	17.5 <sup>m</sup> / <sub>m</sub>	RC162	I662A FS.2100
13	1	1 <sup>1</sup> / <sub>16</sub> "	P.7250 TP.7720 DO.7251	3870/V	3870/V	17.5 <sup>m</sup> / <sub>m</sub>	RC162	I662A FS.2100
14	1	1 <sup>1</sup> / <sub>16</sub> "	P.7250 TP.7720 DO.7251	3870/V	3870/V	17.5 <sup>m</sup> / <sub>m</sub>	RC162	5165A FS.2100
15	1	1 <sup>1</sup> / <sub>16</sub> "	P.7250 TP.7720 DO.7251	3870/V	3870/V	17.5 <sup>m</sup> / <sub>m</sub>	RC162	I662A

VALE ONSLOW

16	2	1 <sup>1</sup> / <sub>16</sub> "	MP.I6111M	I3450/V	I3450/V	12.52 <sup>m</sup> / <sub>m</sub>	S.C.	5499A
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PISTONS									
Line No.	Make and Year	Model	Metal	Cylinder Bore Inches    Millimetres	Ref. No.	Comp.	Length	No. of Cyls.	Head

VELOCETTE

1	1949/50	149 c.c. S.V. LE Transverse Twin, Water Cooled .....	H'lex	1.7323"	44 <sup>m</sup> / <sub>m</sub>	S10581	1"	1 <sup>19</sup> / <sub>32</sub> "	2	Flat
2	1950/62	192 c.c. S.V. LE200, Transverse Twin, Water Cooled...	H'lex	1.9685"	50 <sup>m</sup> / <sub>m</sub>	14748	1"	1 <sup>21</sup> / <sub>32</sub> "	2	Flat
3	1957/62	192 c.c. O.H.V. Valiant, C.R. 8 to 1	H'lex	1.9685"	50 <sup>m</sup> / <sub>m</sub>	14682	1.365"	2.021"	2	Dome (with valve pockets)
4	1961/2	248 c.c. Viceroy Scooter, Ported Skirt, Two Stroke, C.R. 8 to 1 ..... (Recommended maximum oversize is +.020").....	H'lex	2.1260"	54 <sup>m</sup> / <sub>m</sub>	15543	1.618"	2.930"	2	Dome
5	1934/49 1934/50	248 c.c. O.H.V. Single Port, MOV 350 c.c. O.H.V. Single Port, MAC, C.R. 6 to 1, Slipper, Design.....	Al.	2.6772"	68 <sup>m</sup> / <sub>m</sub>	S4636	1 <sup>17</sup> / <sub>32</sub> "	2 <sup>31</sup> / <sub>32</sub> "	1	Dome (with valve pockets)
6	1934/49 1934/60	248 c.c. O.H.V. MOV..... 350 c.c. O.H.V. MAC C.R. 6-75 to 1 Slipper Design .....	Al.	2.6772"	68 <sup>m</sup> / <sub>m</sub>	S11559	1 <sup>9</sup> / <sub>16</sub> "	3"	1	Dome (with valve pockets)
7	1956/62	349 c.c. O.H.V. Viper, C.R. 8-5 to 1 349 c.c. O.H.V. Viper Clubman, C.R. 9-5 to 1 .....	H'lex	2.8346"	72 <sup>m</sup> / <sub>m</sub>	W13323	2 <sup>7</sup> / <sub>16</sub> "	3 <sup>11</sup> / <sub>16</sub> "	1	Dome (with valve pockets)
8	1936/48	348 c.c. O.H.C. KSS, MKII, Slipper Design, C.R. 7-5 to 1.....	H'lex	2.9134"	74 <sup>m</sup> / <sub>m</sub>	7426	1 <sup>29</sup> / <sub>32</sub> "	3 <sup>7</sup> / <sub>32</sub> "	1	Dome
9	1954/62	500 c.c. O.H.V. MSS, C.R. 6-8 to 1	H'lex	3.3858"	86 <sup>m</sup> / <sub>m</sub>	SW12249	2.011"	3.292"	1	Slight Dome
10	1955/62	499 c.c. O.H.V. Scrambler, Venom Clubman, C.R. 8-75 to 1	Al.	3.3858"	86 <sup>m</sup> / <sub>m</sub>	13324	2 <sup>27</sup> / <sub>64</sub> "	3 <sup>45</sup> / <sub>64</sub> "	1	Dome (with valve flats)
11	1956/62	499 c.c. O.H.V. Venom Endurance, C.R. 8 to 1..... (For Cast Iron Barrels only)	H'lex	3.3858"	86 <sup>m</sup> / <sub>m</sub>	W13319	2 <sup>27</sup> / <sub>64</sub> "	3 <sup>45</sup> / <sub>64</sub> "	1	Dome (with valve flats)
12	1956/62	499 c.c. O.H.V. Venom, Endurance, C.R. 8 to 1..... (For Alum Barrels only)...	H'lex	3.3858"	86 <sup>m</sup> / <sub>m</sub>	W16013	2 <sup>27</sup> / <sub>64</sub> "	3 <sup>45</sup> / <sub>64</sub> "	1	Dome (with valve flats)

VESPA (Refer to DOUGLAS)

VICTORIA

13	48 c.c.	Vicky III, M50 Engine; Vicky IIIN, IV, Avanti, M51 Engine, Nicky R50 Engine; Tory. Three Port, Two Stroke..... (Some original Bores are Chrome plated therefore Chrome rings must NOT be fitted to these).....	H'lex	1.4961"	38 <sup>m</sup> / <sub>m</sub>	14199	21.5 <sup>m</sup> / <sub>m</sub>	45.5 <sup>m</sup> / <sub>m</sub>	1	Slight Dome
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RINGS			RING SETS		PINS		LINERS	
Line No.	No. of Rings	Width	Ref No.	Original Regular	Replacement Regular	Dia.	Type	Ref. No.

VELOCETTE

1	2	1 <sup>1</sup> / <sub>16</sub> "	MP.6475 DO.6476	5060/V	5060/V	.436"	F.F.	3985B
2	1	1 <sup>1</sup> / <sub>8</sub> "	KP.8321 MP.7401 DO.7402	3880/V	3880/V	.499"	RC185	4248A
3	1	1 <sup>1</sup> / <sub>8</sub> "	KTP.9870 MP.8768 KOX.15682	11610/V	11612/V	.499"	RC185	4248A
4	2	1 <sup>1</sup> / <sub>8</sub> "	TP.17013G	15360/V	15360/V	.5003"	RC185	6010A
5	2	1 <sup>1</sup> / <sub>16</sub> "	P.275 DO.2165A	3890/V	3890/V	5 <sup>5</sup> / <sub>8</sub> "	S.C.	1248A
6	1	5 <sup>5</sup> / <sub>32</sub> "	P.275 DO.2165A	3890/V	3890/V	5 <sup>5</sup> / <sub>8</sub> "	RC40	3695A
7	2	1 <sup>1</sup> / <sub>16</sub> "	MTP.14785 MEDO.18083	17720/V	17720/V	.8236"	RC174	5213A
8	2	1 <sup>1</sup> / <sub>16</sub> "	P.451 DO.458			5 <sup>5</sup> / <sub>8</sub> "	S.C.	160A
9	2	5 <sup>5</sup> / <sub>32</sub> "	TP.9744 DO.9745	5660/V	5660/V	.8235"	RC174	4698A
10	2	5 <sup>5</sup> / <sub>32</sub> "	MTP.13196 MDO.13197			.8235"	RC174	5216A
11	2	5 <sup>5</sup> / <sub>64</sub> "	TP.9744 EDO.10618	5660/V	5660/V	.8235"	RC174	4698A
12	2	5 <sup>5</sup> / <sub>64</sub> "	TP.9744 EDO.10618	5660/V	5660/V	.8235"	RC174	4698A

(Refer to DOUGLAS) VESPA

VICTORIA

13	2	2 <sup>m</sup> / <sub>m</sub>	TP.9763G	8700/V	8700/V	12 <sup>m</sup> / <sub>m</sub>	RC257	5076A
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PISTONS									
Line No.	Make and Year	Model	Metal	Cylinder Bore Inches Millimetres	Ref. No.	Comp.	Length	No. of Cyls.	Head

VILLIERS

1	1958 onwards	49.9 c.c. Mark 3K, Two Stroke.....	H'lex	1.5743"	39.987 <sup>m</sup> / <sub>m</sub>	14447	.940"	2 1/16"	1 Flat
2		Mark II Marvil, Mark IV...	*C.I.	1.7716"	45 <sup>m</sup> / <sub>m</sub>	10461	1 43/64"	2 51/64"	1 2 Str.
3	1949/ onwards	98 c.c. Mark 1F, 2F, 4F, 6F, Two Stroke .....	*H'lex	1.8504"	47 <sup>m</sup> / <sub>m</sub>	10936	1 1/16"	2 3/8"	1 Flat
4		98 c.c. De Luxe Junior Two Stroke	*H'lex	1.9685"	50 <sup>m</sup> / <sub>m</sub>	8575	31/32"	2 33/64"	1 Flat
5		98 c.c. (G.Pin parallel to Deflector)	*H'lex	1.9685"	50 <sup>m</sup> / <sub>m</sub>	11027	1 9/16"	2 13/16"	1 2 Str.
6		98 c.c. Midget (G. Pin Parallel to Deflector) .....	*C.I.	1.9685"	50 <sup>m</sup> / <sub>m</sub>	4635	1 9/16"	2 13/16"	1 2 Str.
7	1931/8	98 c.c. Midget (G. Pin at Right Angles to Deflector).....	*C.I.	1.9685"	50 <sup>m</sup> / <sub>m</sub>	7078	1 9/16"	2 13/16"	1 2 Str.
8	1935/49	122 c.c. 8D, 9D, Two Stroke.....	*H'lex	1.9685"	50 <sup>m</sup> / <sub>m</sub>	5650	31/32"	2 11/16"	1 Flat
9	1949/ onwards	122 c.c. Mark 10D, 13D, Two Stroke (Stop Pegs diametrically opposite at 45° from G. Pin Centre Line) ...	*H'lex	1.9685"	50 <sup>m</sup> / <sub>m</sub>	10735	31/32"	2 11/16"	1 Flat
10		122 c.c. 11D, 12D, Two Stroke (Stop Pegs diametrically opposite at 42° from G. Pin centre line) .....	*H'lex	1.9685"	50 <sup>m</sup> / <sub>m</sub>	12586	1 7/32"	2 15/16"	1 Flat
11	1957/62	249 c.c. Mark 2T, Two Stroke, C.R. 8-2 to 1 .....	*H'lex	1.9700"	50.038 <sup>m</sup> / <sub>m</sub>	13899	1 1/4"	2 31/32"	2 Flat
12	1924/38	147 c.c. Single Port, VIIIC, IIC ...	C.I.	2.1653"	55 <sup>m</sup> / <sub>m</sub>	1290	1 5/8"	3 1/8"	1 2 Str.
13	1924/38	147 c.c. Mark VIIIC, XC, XIC ...	C.I.	2.1653"	55 <sup>m</sup> / <sub>m</sub>	10845	1 21/32"	3 7/32"	1 2 Str.
14	1948/9	147 c.c. Mark 24C, Invalid Carriage, Air Cooled .....	C.I.	2.1653"	55 <sup>m</sup> / <sub>m</sub>	13641	1 41/64"	3 13/64"	1 2 Str.
15		(H'lex for above).....	*H'lex	2.1653"	55 <sup>m</sup> / <sub>m</sub>	10798	1 41/64"	3 13/64"	1 2 Str.
16	1955/9	147 c.c. Mark 30C, Two Stroke, C.R. 8-25 to 1 .....	*H'lex	2.1653"	55 <sup>m</sup> / <sub>m</sub>	12912	1 7/32"	2 15/16"	1 Flat
17	1957/ onwards 1958/ onwards	148 c.c. Mark 31C, 1 Cyl. .... 324 c.c. 3T, 2 Cyl., Two Stroke...	*H'lex	See Note		14043	1 7/32"	2 15/16"	1/2 Flat
Note: Cyl. Bore size for 31C:— 2.2445" 57.009 <sup>m</sup> / <sub>m</sub> Cyl. Bore size for 3T:— 2.2475" 57.085 <sup>m</sup> / <sub>m</sub>									
18	1957/ onwards 1949/ onwards	173 c.c. Mark 2L, 3L..... 197 c.c. Mark 6E, 7E, 8E, 9E, 10E, Two Stroke (Stop Pegs diametrically opposite at 45° from G. Pin Centre Line) .....	*H'lex	2.3228"	59 <sup>m</sup> / <sub>m</sub>	10736	1 5/8"	3 11/32"	1 Flat
19		Competition model for above .....	*H'lex	2.3228"	59 <sup>m</sup> / <sub>m</sub>	12649	1 5/8"	3 11/32"	1 Flat
20	1949/ onwards	197 c.c. Mark 6E, Two Stroke, High Comp, C.R. 9-65 to 1 ...	*H'lex	2.3228"	59 <sup>m</sup> / <sub>m</sub>	14079	44.524 <sup>m</sup> / <sub>m</sub>	88.18 <sup>m</sup> / <sub>m</sub>	1 Dome

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

VILLIERS

1	2	3/32"	P.14870G	13970/V	13972/V	.4257"	RC281	5647A	
2	2	1/8"	P.6204C	4720/V	4720/V	9.30 <sup>m</sup> / <sub>m</sub>	RC125	3929A	
3	1	3/32"	P.6980C	4560/V	4560/V	9.30 <sup>m</sup> / <sub>m</sub>	RC125	4117A	
4	2	3/32"	PX.13432C P.5429C	4570/V	4570/V	12.52 <sup>m</sup> / <sub>m</sub>	S.C.	1164A	
5	2	3/32"	P.5429C	4570/V	4570/V	12.52 <sup>m</sup> / <sub>m</sub>	S.C.	1164A	
6	2	3/32"	P.1051N			12.5 <sup>m</sup> / <sub>m</sub>	F.F.	1166B	
7	2	3/32"	P.1051N			12.5 <sup>m</sup> / <sub>m</sub>	F.F.	1166B	
8	2	3/32"	P.5429C	4570/V	4570/V	12.52 <sup>m</sup> / <sub>m</sub>	S.C.	1164A	
9	1	3/32"	P.5429C PX.13445C	4570/V	4570/V	12.52 <sup>m</sup> / <sub>m</sub>	S.C.	1164A	
10	2	3/32"	P.5429C	4570/V	4570/V	12.52 <sup>m</sup> / <sub>m</sub>	S.C.	1164A	
11	1	3/32"	TP.13682C PX.13737C	10140/V	10140/V	12.52 <sup>m</sup> / <sub>m</sub>	S.C.	5410A	
12	2	3/16"	P.26G			12.5 <sup>m</sup> / <sub>m</sub>	F.F.	20B	
13	2	3/16"	P.26G			12.52 <sup>m</sup> / <sub>m</sub>	S.C.	4068A	
14	2	3/32"	P.6689C			12.52 <sup>m</sup> / <sub>m</sub>	S.C.	4068A	
15	2	3/32"	P.6689C			12.52 <sup>m</sup> / <sub>m</sub>	S.C.	4068A	
16	2	3/32"	PX.13435C	9110/V	9110/V	12.52 <sup>m</sup> / <sub>m</sub>	S.C.	4068A	
17	1	3/32"	P.13945C PX.13964C	1 Cyl. 10420/V 2 Cyl. 10430/V	10420/V 10430/V	12.52 <sup>m</sup> / <sub>m</sub>	S.C.	5459A	
18	1	3/32"	P.6666C PX.13444C	4580/V	4580/V	12.52 <sup>m</sup> / <sub>m</sub>	S.C.	2948A	
19	2	1.5 <sup>m</sup> / <sub>m</sub>	MTP.9506M	—	6792/V	12.52 <sup>m</sup> / <sub>m</sub>	S.C.	2948A	
20	2	1.5 <sup>m</sup> / <sub>m</sub>	MTP.9506M			12.52 <sup>m</sup> / <sub>m</sub>	S.C.	2948A	



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

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

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### VILLIERS (Continued)

### (Continued) VILLIERS

1	197 c.c. Mark 9E Marcelle conversion, Two Port, Two Stroke (Chrome Plated Alum Barrel)	H'lex 2-3228"	59 <sup>m</sup> / <sub>m</sub>	15954	1 <sup>5</sup> / <sub>8</sub> "	3 <sup>11</sup> / <sub>32</sub> "	1	Flat
2	XXVA, XVIIIA, Two Stroke	*H'lex 2-4803"	63 <sup>m</sup> / <sub>m</sub>	8100	1 <sup>25</sup> / <sub>32</sub> "	3 <sup>17</sup> / <sub>32</sub> "	1	Flat
3	1954/8 225 c.c. 1H, Two Stroke	*H'lex 2-4803"	63 <sup>m</sup> / <sub>m</sub>	12555	1 <sup>5</sup> / <sub>8</sub> "	3 <sup>13</sup> / <sub>32</sub> "	1	Flat
4	1959/ onwards 250 c.c. Mark 31A, Mark 35A, C.R. 7-4 to 1 Mark 32A Trials, C.R. 7-9 to 1 Mark 33A, 34A, 36A, Scrambles, C.R. 12 to 1, Two Port, Two Stroke... Note: Cyl. Bore size for 31A, 35A:— 2-5991" 66-017 <sup>m</sup> / <sub>m</sub> Cyl. Bore size for 32A, 33A, 34A, 36A:— 2-6001" 66-043 <sup>m</sup> / <sub>m</sub>	*H'lex See Note		14983	1 <sup>5</sup> / <sub>8</sub> "	3 <sup>13</sup> / <sub>32</sub> "	1	Flat
5	246 c.c. Greeves Hawkstone Special, Two Port, Two Stroke (Chrome rings must NOT be fitted as bores are Chrome Plated)	H'lex 2-5991"	66-017 <sup>m</sup> / <sub>m</sub>	15298	1 <sup>5</sup> / <sub>8</sub> "	3 <sup>13</sup> / <sub>32</sub> "	1	Flat
6	1957/ onwards 250 c.c. Mark 2H, Two Stroke, C.R. 7-25 to 1	*H'lex 2-5991"	66-017 <sup>m</sup> / <sub>m</sub>	14312	1 <sup>5</sup> / <sub>8</sub> "	3 <sup>13</sup> / <sub>32</sub> "	1	Flat
7	1963 247 c.c. Vega, S250, Starmaker, Competition, Two Stroke, C.R. 12 to 1	H'lex 2-6775"	68-008 <sup>m</sup> / <sub>m</sub>	15178	1 <sup>9</sup> / <sub>16</sub> "	3 <sup>5</sup> / <sub>16</sub> "	1	Dome

1	2	1-5 <sup>m</sup> / <sub>m</sub>	MTP.9506M	—	17392	12-52 <sup>m</sup> / <sub>m</sub>	S.C.	2948A
2	2	3 <sup>3</sup> / <sub>32</sub> "	P.2692C			12-5 <sup>m</sup> / <sub>m</sub>	S.C.	23A
3	1	3 <sup>3</sup> / <sub>32</sub> "	TP.10556C	5610/V	5610/V	12-52 <sup>m</sup> / <sub>m</sub>	S.C.	4836A
4	1	3 <sup>3</sup> / <sub>32</sub> "	TPX.13440C					
	1	3 <sup>3</sup> / <sub>32</sub> "	KTP.14608C	13430/2V	13430/2V	12-52 <sup>m</sup> / <sub>m</sub>	S.C.	5639A
	1	3 <sup>3</sup> / <sub>32</sub> "	KTPX.16159C					
5	2	1 <sup>1</sup> / <sub>16</sub> "	MP.16111M	14760	14760	12-52 <sup>m</sup> / <sub>m</sub>	S.C.	5499A
6	1	3 <sup>3</sup> / <sub>32</sub> "	KTP.14608C	11780/V	11780/V	12-52 <sup>m</sup> / <sub>m</sub>	S.C.	5639A
	1	3 <sup>3</sup> / <sub>32</sub> "	PX.14951C					
7	2	1 <sup>1</sup> / <sub>16</sub> "	MTP.16312M	17890/V	17890/V	675"	S.C.	6126A

### VINCENT (Refer also to H.R.D.)

### (Refer also to H.R.D.) VINCENT

8	1950/5 499 c.c. O.H.V. Comet, Series C, Victor, Series D, 1 Cyl. 998 c.c. O.H.V. Rapide, Black Shadow, Black Lightning, Series B, Series C, Black Shadow, Rapide, Black Knight, Black Prince, Series D, 2 Cyl. E7/6 engine C.R. 6-8 to 1.....	H'lex 3-3065"	83-984 <sup>m</sup> / <sub>m</sub>	W12108	1 <sup>3</sup> / <sub>8</sub> "	2 <sup>25</sup> / <sub>32</sub> "	1/2	Dome (with valve flats)
9	(High Comp. for above) E7/7 engine C.R. 7-3 to 1	H'lex 3-3065"	83-984 <sup>m</sup> / <sub>m</sub>	W12109	1 <sup>15</sup> / <sub>32</sub> "	2 <sup>7</sup> / <sub>8</sub> "	1/2	Dome (with valve pockets)
10	(High Comp. for above) E7/8 engine C.R. 8 to 1	H'lex 3-3065"	83-984 <sup>m</sup> / <sub>m</sub>	W13061	1 <sup>10</sup> / <sub>32</sub> "	3"	1/2	Dome (with valve pockets)

8	1	1 <sup>1</sup> / <sub>16</sub> "	KP.16592	1 Cyl. 3900/V	8162/V	7 <sup>7</sup> / <sub>8</sub> "	RC52	4693A	FS.2586 (for Alum. barrels)
	1	1 <sup>1</sup> / <sub>16</sub> "	MP.7515	2 Cyl. 3910/V	8172/V				FS.2653 (for distorted Alum. barrels)
	1	1 <sup>1</sup> / <sub>8</sub> "	MDO.7516						
9	1	1 <sup>1</sup> / <sub>16</sub> "	KP.16592	1 Cyl. 3900/V	8162/V	7 <sup>7</sup> / <sub>8</sub> "	RC52	4693A	FS.2586 (for Alum. barrels)
	1	1 <sup>1</sup> / <sub>16</sub> "	MP.7515	2 Cyl. 3910/V	8172/V				FS.2653 (for distorted Alum. barrels)
	1	1 <sup>1</sup> / <sub>8</sub> "	MDO.7516						
10	1	1 <sup>1</sup> / <sub>16</sub> "	KP.16592	1 Cyl. 3900/V	8162/V	7 <sup>7</sup> / <sub>8</sub> "	RC52	4693A	FS.2586 (for Alum. barrels)
	1	1 <sup>1</sup> / <sub>16</sub> "	MP.7515	2 Cyl. 3910/V	8172/V				FS.2653 (for distorted Alum. barrels)
	1	1 <sup>1</sup> / <sub>8</sub> "	MDO.7516						



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

## ZUNDAPP

1	1954/60	49.9 c.c. 422 Combinette, Mo-Ped, Two Stroke (Chrome rings must NOT be fitted in original bores as they are chrome plated)	H'lex	1.5354" 39 <sup>m</sup> / <sub>m</sub>	13595	30.5 <sup>m</sup> / <sub>m</sub>	51.5 <sup>m</sup> / <sub>m</sub>	1	Dome
2		49.9 c.c. 423 Combinette, Mo-Ped, Two Stroke (Chrome rings must NOT be fitted in original bores as they are chrome plated)	H'lex Tin Plated	1.5354" 39 <sup>m</sup> / <sub>m</sub>	15279	26.5 <sup>m</sup> / <sub>m</sub>	47.5 <sup>m</sup> / <sub>m</sub>	1	Dome
3	1960/2	50 c.c. 428 Combinette, Mo-Ped, Two Stroke (Chrome rings must NOT be fitted in original bores as they are chrome-plated)	H'lex	1.5354" 39 <sup>m</sup> / <sub>m</sub>	15701	33.5 <sup>m</sup> / <sub>m</sub>	51.5 <sup>m</sup> / <sub>m</sub>	1	Dome
4	1959/60	70 c.c. 438, Falconette, Two Stroke, C.R. 7.5 to 1 (Chrome rings must NOT be fitted in original bores as they are chrome-plated)	H'lex	1.8110" 46 <sup>m</sup> / <sub>m</sub>	15492	33.5 <sup>m</sup> / <sub>m</sub>	51 <sup>m</sup> / <sub>m</sub>	1	Slight Dome
5	1953/5	148 c.c. Bella Scooter, R150, Two Port, Two Stroke, C.R. 6.7 to 1	H'lex	2.2441" 57 <sup>m</sup> / <sub>m</sub>	13081	36 <sup>m</sup> / <sub>m</sub>	72 <sup>m</sup> / <sub>m</sub>	1	Slight Dome
6	1956/60	148 c.c. Bella Scooter, R151, R153, R154, Two Port, Two Stroke	H'lex	2.2441" 57 <sup>m</sup> / <sub>m</sub>	14819	36.25 <sup>m</sup> / <sub>m</sub>	72.25 <sup>m</sup> / <sub>m</sub>	1	Slight Dome
7	1954/7	198 c.c. Bella R200, R201, R203 Two Stroke	H'lex	2.5197" 64 <sup>m</sup> / <sub>m</sub>	13549	43 <sup>m</sup> / <sub>m</sub>	77.4 <sup>m</sup> / <sub>m</sub>	1	Dome
8		199.5 c.c. Bella R204 Scooter, 200S, 201S, Two Port, Two Stroke, C.R. 6.5 to 1	H'lex	2.5197" 64 <sup>m</sup> / <sub>m</sub>	15278	53 <sup>m</sup> / <sub>m</sub>	87.4 <sup>m</sup> / <sub>m</sub>	1	Dome

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

## ZUNDAPP

1	2	2.5 <sup>m</sup> / <sub>m</sub>	ZP.13111G	8400	8400	12 <sup>m</sup> / <sub>m</sub>	RC108	5275A
2	2	2.5 <sup>m</sup> / <sub>m</sub>	ZP.13111G	8400	8400	12 <sup>m</sup> / <sub>m</sub>	RC108	5275A
3	2	2.5 <sup>m</sup> / <sub>m</sub>	ZP.13111G	8400	8400	12 <sup>m</sup> / <sub>m</sub>	RC108	5275A
4	3	2 <sup>m</sup> / <sub>m</sub>	P.16439G	15800	15800	14 <sup>m</sup> / <sub>m</sub>	RC275	1718A
5	3	2 <sup>m</sup> / <sub>m</sub>	TP.11941C	7640/V	7640/V	18 <sup>m</sup> / <sub>m</sub>	S.C.	5093A
6	3	2 <sup>m</sup> / <sub>m</sub>	TP.11671G	16710/V	16710/V	18 <sup>m</sup> / <sub>m</sub>	S.C.	5093A
7	3	2.5 <sup>m</sup> / <sub>m</sub>	TP.12676G	8640/V	8640/V	17.987 <sup>m</sup> / <sub>m</sub>	S.C.	5296A
8	3	2 <sup>m</sup> / <sub>m</sub>	TP.16502G	14550/V	14550/V	17.98 <sup>m</sup> / <sub>m</sub>	S.C.	5480A