

# PISTONS MOTOR CYCLES

SCOOTERS, MOPEDS  
AND MOTOR CYCLE ENGINES



## PISTONS

Line No.	Make and Year	Model	Metal	Cylinder Bore Inches Millimetres	Ref. No.	Comp.	Length	No. of Cyls.	
<b>A.J.S.</b>									
	1935/40	246 cc	2	2 13/32 - 62.706	<del>20000</del> SW 4453	1 7/16	2 29/32	1	Co
	1937/38	250 cc		2 13/32 - 62.702	<del>20000</del> 7735	1 27/32	3 3/32	1	Do
	1938/33	248 cc		65	<del>20000</del> 4430				
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>	<b>W12475</b>	1 7/8"	2 3/4"	2	Spec Dor
2		(High Comp. for above) C.R. 8 to 1	H'lex	2.5984" 66 <sup>m</sup> / <sub>m</sub>	<del>20449</del> <b>W11221</b>	1 31/32"	2 15/16"	2	Spec Dor
3		(High Comp. for above) C.R. 8.5 to 1	Al.	2.5984" 66 <sup>m</sup> / <sub>m</sub>	<b>11281</b>	2 1/8"	3"	2	Spec Dor
4	1956/60	498 c.c. O.H.V. 20, C.R. 7-8 to 1	H'lex Tin Plated	2.5984" 66 <sup>m</sup> / <sub>m</sub>	<del>20004</del> <b>W13267</b>	1.977"	2.852"	2	Dor (wit poc Cor
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>	<del>20005</del> <b>W9990</b>	1 1/2"	3 7/16"	1	Cor
6	1947	347 c.c. O.H.V. 16M	H'lex	2 23/32" 69.056 <sup>m</sup> / <sub>m</sub>	<b>W10049</b>	2"	3 7/16"	1	Cor
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>	<del>20006</del> <b>W10465</b>	2"	3 7/32"	1	Cor
8	1948/55	347 c.c. O.H.V. 16M, High Comp., C.R. 7.5 to 1	H'lex	2 23/32" 69.056 <sup>m</sup> / <sub>m</sub>	<del>20468</del> <b>W13265</b>	2.160"	3.377"	1	Do (w po
	1956/9	347 c.c. O.H.V. 16MS, C.R. 7.5 to 1	Tin Plated						
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>	<b>10605</b>	2 3/4"	3 19/32"	1	Do (w po
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>	<b>W15125</b>	2 3/64"	2 31/32"	1	Do (w po
11	1958/60	248 c.c. O.H.V. 14CS, C.R. 11 to 1	Tin Plated Al.	2 3/4" 69.849 <sup>m</sup> / <sub>m</sub>	<b>15249</b>	2 1/4"	3 11/64"	1	Sp
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>	<b>13379</b>	2 23/64"	3 31/64"	1	Do (v po
13	1956/8	592 c.c. O.H.V. 30, C.R. 7.5 to 1	H'lex Tin Plated	2.8346" 72 <sup>m</sup> / <sub>m</sub>	<del>20029</del> <b>W13268</b>	1 15/16"	2 27/32"	2	St D
14		(High Comp. for above) C.R. 9 to 1	H'lex Tin Plated	2.8346" 72 <sup>m</sup> / <sub>m</sub>	<b>13829</b>	2.077"	2.978"	2	T C St
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>	<b>W15242</b>	1.809"	2.586"	2	D R
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>	<b>W15117</b>	2.087"	2.868"	2	D R

2 KEY TO ALL SYMBOLS AND ABBREVIATIONS IS ON PAGES III to VII — PLEASE REFER TO THIS BEFORE ORD



SCOOTERS, MOPEDS  
MOTOR CYCLE ENGINES AND

**PISTONS**  
**MOTOR CYCLES**

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

A.J.S.

1	2 	1/16" 1/8"	TP.15619 DO.6465	8120/V	8122/V	3/4"	S.C.	4267A	FS.2101
2	2 	1/16" 1/8"	46.30 TP.15619 DO.6465	8120/V	8122/V	3/4"	S.C.	4267A	FS.2101
3	2 	1/16" 1/8"	MTP.16017 MDO.6754			3/4"	S.C.	4267A	FS.2101
4	1     	1/16" 1/16" 5/32"	44.35 KTP.8101 MTP.12294 DO.12295	8560/V	8560/V	3/4"	S.C.	5183A	
5	2 	1/16" 1/8"	38.45 TP.10805 DO.6027			7/8"	S.C.	3675A	FS.1070
6	2 	1/16" 1/8"	TP.10805 DO.6027			7/8"	S.C.	3675A	FS.1070
7	2 	1/16" 1/8"	<del>38.85</del> 39.40 TP.10805 DO.6027	3540/V	3542/V	7/8"	S.C.	3675A	FS.2590 (for Cast Iron barrels) FS.2125 (for Alum. barrels)
8	1   	1/16" 1/16" 1/8"	42.85 KP.11116 TP.10805 DO.6027	3540/V	3542/V	7/8"	S.C.	3675A	FS. 2590 (For Cast Iron barrels) FS.2125 (for Alum. barrels)
9	2 	1/16" 1/8"	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	13912/V	13912/V	3/4"	S.C.	3876A	
11	1	1/16" 5/32"	TP.16307 EDO.16333	13912/V	13912/V	3/4"	S.C.	5913A	
12	1	1/16" 5/32"	KP.16306 TP.16307 DO.6025	13912/V	13912/V	3/4"	S.C.	5913A	
13	1	3/64" 3/64" 5/32"	KP.12675 MP.12544 MEDO.12545	9140/V	9140/V	7/8"	S.C.	5289A	FS.2125
14	1	3/64" 3/64" 5/32"	40.45 KP.12115 TP.12298 DO.12299	8370/V	8370/V	3/4"	S.C.	5184A	
15	1	3/64" 3/64" 5/32"	KP.12115 TP.12298 DO.12299	8370/V	8370/V	3/4"	S.C.	5184A	
16	1	3/64" 3/64" 5/32"	MSO.16286 KP.12115 TP.12298 MSO.16286	13920/V	13920/V	3/4"	S.C.	4574A	

KEY TO ALL SYMBOLS AND ABBREVIATIONS IS ON PAGES III to VII — PLEASE REFER TO THIS BEFORE ORDERING

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## PISTONS

Line No.	Make and Year	Model	Cylinder Bore		Ref. No.	Comp.	Length	No. of Cyls.	Head	
			Metal	Inches Millimetres						
<b>A.J.S. (Continued)</b>										
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, 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)
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)
4A				3 <sup>1</sup> / <sub>4</sub>	82-548	<del>20017</del> W3185	1 <sup>13</sup> / <sub>16</sub>	3 <sup>3</sup> / <sub>8</sub>	1	Flat
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>	<del>20018</del> W9991	1 <sup>5</sup> / <sub>16</sub> "	3 <sup>5</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... High Comp 8-1	H'lex	3 <sup>1</sup> / <sub>4</sub> "	82-548 <sup>m</sup> / <sub>m</sub>	<del>20019</del> WI0197	1 <sup>13</sup> / <sub>16</sub> "	3 <sup>3</sup> / <sub>16</sub> "	1	Flat (with valve pockets)
6A				3 <sup>1</sup> / <sub>4</sub>		<del>20028</del> W10595	1 <sup>7</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>4</sub>	1	Flat
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>	10304	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>	<del>20046</del> 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>	<del>20382</del> 13380	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>	14628	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>	15710	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>	15337	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>	14542	2 <sup>9</sup> / <sub>32</sub> "	3 <sup>33</sup> / <sub>64</sub> "	1	Spec.
16	172 c.c. 175, 17T, Series II after Engine 3032	H'lex	2-3228"	59 <sup>m</sup> / <sub>m</sub>	14846	2 <sup>9</sup> / <sub>32</sub> "	3 <sup>39</sup> / <sub>64</sub> "	1	Spec.
	199 c.c. 20T, Ported, Two Stroke C.R. 8.5 to 1.....								
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>	13814	1-580"	3-224"	1	Spec.



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

(Continued) A.J.S.

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

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

(Refer to VILLIERS) AMBASSADOR

A.M.C.

14	1	3/32"	KP.16648G	14740/V	14740/V	5619"	S.C.	5940A	
	1	3/32"	PX.16649G						
15	1	1/16"	KP.15162G	11580/V	11580/V	9/16"	S.C.	5691A	
	2	1/16"	P.15208G						
16	1	1/16"	KP.15162G	11580/V	11580/V	9/16"	S.C.	5691A	
	2	1/16"	P.15208G						
17	1	1/16"	KP.13469S	9500/V	9500/V	5/8"	S.C.	133A	
	2	5/64"	PX.13470S						