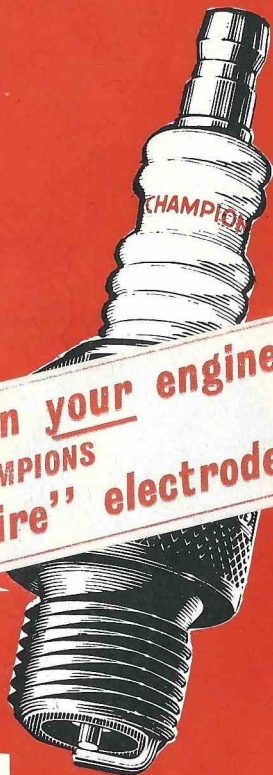


# CHAMPION



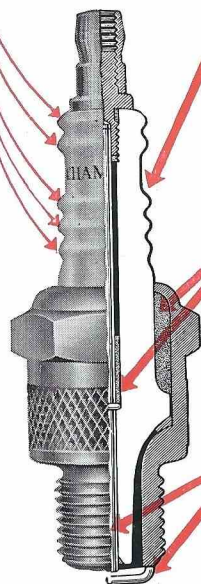
Feel the difference in your engine!  
FIVE-RIB CHAMPIONS  
WITH NEW "Powerfire" electrode



## Spark Plugs

## 5-RIB CHAMPION FEATURES

that make  
Champion the better spark plug.



### CHAMPION-CERAMIC 5-RIB INSULATOR

A product of the world's finest ceramic research laboratory. Composed of rare mineral oxides, the insulator blank is formed under extreme hydraulic pressure and fired under scientifically controlled conditions to assure great mechanical strength, high electrical resistance, rapid heat dissipation, and resistance to flashover.

### SILLMENT SEALS

A dry powder compressed between the insulator and centre electrode and between the insulator and shell. This feature eliminates troublesome compression leakage throughout the life of the spark plug, assuring protection against overheating, electrode deterioration and loss of engine efficiency.

### ELECTRODES

Erosion-resistant alloys containing a special catalytic agent to prevent gap bridging. Developed after intensive metallurgical studies, this material resists deterioration due to heat and chemical attack and assures longer spark plug life.

Only Champions have the 5-rib construction—an identifying feature to remember when you need new spark plugs.

## CHAMPION SPARK PLUGS



### TYPE L-8

#### Specification:

Thread Diameter	...	14 mm.
Reach	...	$\frac{1}{2}$ in.
Terminal	...	A 548
Hexagon	...	$\frac{13}{16}$ in.
Each	...	5/-



### TYPE L-10

#### Specification:

Thread Diameter	...	14 mm.
Reach	...	$\frac{1}{2}$ in.
Hexagon	...	$\frac{13}{16}$ in.
Terminal	...	A 548
Each	...	5/-



### TYPE L-10S

#### Specification:

Thread Diameter	...	14 mm.
Reach	...	$\frac{1}{2}$ in.
Terminal	...	A 548
Hexagon	...	$\frac{13}{16}$ in.
Each	...	5/-

## DEPENDABLE FOR EVERY ENGINE

### TYPE L-11S

#### Specification:

Thread Diameter	... 14 mm.
Reach	... $\frac{1}{2}$ in.
Terminal	... A 548
Hexagon	... $\frac{13}{16}$ in.
Each	... 5/-



### TYPE N-8B

#### Specification:

Thread Diameter	... 14 mm.
Reach	... $\frac{3}{4}$ in.
Terminal	... A 548
Hexagon	... $\frac{13}{16}$ in.
Each	... 5/-



### TYPE NA-8

#### Specification:

Thread Diameter	... 14 mm.
Reach	... $\frac{3}{4}$ in.
Terminal	... A 548
Hexagon	... $\frac{13}{16}$ in.
Each	... 5/-



## RECOMMENDATIONS

### MOTOR CYCLES

Adler .....L-11S

#### A.J.S.

S.V. models 18 mm.....7  
S.V. models 14 mm.....L-10  
O.H.V. models 18 mm.....16  
1946 350 c.c.....L-10  
1946 500 c.c.....L-10S  
1947-1949 All models Cast  
iron heads.....L-10S  
1950 on Except 7R.....NA-8  
7R .....NA-14

#### Alcyon

18 mm.....7  
230 c.c. Long Thread...NA-8  
Other models 14 mm...L-10S

#### Alpino

48 c.c., 75 c.c.....J-8  
125 c.c.....L-10S

#### Ambassador

197 c.c. Villiers Mark VIE...L-11S  
Supreme, Embassy, Popular,  
Envoy .....L-11S  
Zundapp Engines.....L-10S

#### A.M.C.

125, 150, 175 c.c.....L-10S  
150, 175, 250 c.c. Sport  
LA-10 or L-11S

#### Appollo

51H, 51HLYX, 54H, 54HLYX,  
60HC, 64H, 65H, 66HC,  
75HC .....17  
52J, 53J, 59Z, 62Z, 63Z, 67Z,  
L-10  
69JB, 70-JBC, 70-OJBC, 76-JBC  
7 Com.

Arc Commercial.....J-8  
Sport .....L-10S

#### Ardie

B251, RBZ250.....17  
BD175, BD252.....L-11S

#### Ardito

48, 75.....J-8

Ariel O.H.V. models 18 mm.

16  
S.V. models 18 mm.....7  
S.V. models 14 mm.  $\frac{1}{2}$ " reach  
L-10

Square 4 Cast iron, Mk. 1

Alloy .....L-10S

Square 4 Mk. 11 Alloy...NA-8

O.H.V. Cast iron 14 mm.

L-10S

O.H.V. models Alloy head

600 c.c. VB.....NA-8

HS.....NA-10 or NA-12

#### Astoria

125T, 150T.....L-10S

125S .....L-11S

#### Automoto

125, 150, 175, 250 c.c.....L-10S

150, 175, 250 c.c. Sports  
LA-10 or L-11S

#### Avello MV

125 c.c. 3V .....J-3

125 c.c. 4V .....L-10S

125 c.c. Sport .....LA-11

150 c.c. T.....LA-11

150 c.c. S.....LA-11

## CHAMPION SPARK PLUGS

### Motor Cycles—continued

<b>Benelli</b>	
98 c.c.	J-8
125, 250	L-10S
125S	L-11S
125-S53	LA-11
Other models 18 mm.	17
<b>Benson</b> 125 c.c.	8 Com.
<b>Bernadet</b>	L-10S
<b>Beta</b>	
60 (Cucciolo)	J-8
125, 160	L-10S
<b>Bianchi</b>	
125S	L-11S
250 Stelvio, 125T	L-10S
45	J-12
<b>BJR ef-125</b>	J-6
<b>Blackburne Engines</b>	
S.V. models	7
O.H.V. models 14 mm.	L-10S
O.H.V. models 18 mm.	16
<b>BM-Bovicini</b>	
125T, 175T	L-10
125S, 125GS	L-10S
<b>B.M.W.</b>	
R24, R25, R25/1, R25/2,	
R25/3, R26, R51, R51/2,	
R51/3, R66, R67, R67/1,	
R67/2, R68	L-11S
R17, R57, R63	7
R4, R11, R16	17
R2, R3, R6, R12, R20, R23,	
R35, R36, R37, R61, R71,	
R75	L-10S
<b>Bordone</b>	J-8

<b>Bown</b>	
122 c.c. Villiers	L-10S
<b>Britax</b>	
Hurricane	LA-11
<b>Brockhouse</b>	
Indian Brave	NA-8
<b>Brough Superior</b>	
S.S. 100 from 1934	N-8B
Other 14 mm. models	L-10S
S.V. models	7
<b>B.S.A.</b>	
All S.V. models 18 mm.	7
125 c.c. D1 Bantam to 1954,	
Cast iron heads C10, M20,	
M21	L-10
C10, C10L, M20, M21, Alloy	
heads	N-8B
1954-56 D1 Bantam and D3	
Bantam Major	L-10S
C11, C11G, C12, B31, B33,	
M33, A7, A10, "Golden	
Flash," B32 and B34 Cast	
iron heads, A7 Star Twin	
	L-10S
Gold Star B32 and B34	
Alloy	NA-8
Gold Star Racer	NA-14
Gold Star Scrambles	
	NA-10 or NA-12
Shooting Star	NA-12
Road Rocket	NA-10
<b>Buecker</b>	
All models	L-11S
<b>Caproni</b>	
Capriolo	L-10S
<b>Ceccato</b>	
49, 100T, 175T	L-10S
125T	N-8B
75, 100S, 125S, 175S	NA-10

## DEPENDABLE FOR EVERY ENGINE

### Motor Cycles—continued

<b>Cimatti</b> 125	L-10S
<b>Clua</b>	
125 c.c., 175 c.c.	L-10S
<b>C.M.</b>	
125GS, 250, 350, 500	L-11S
250, 350 Sports	LA-11
<b>Commander</b>	L-10S
<b>Cotton</b>	
S.V. 18 mm.	7
O.H.V. 18 mm.	16
O.H.V. 14 mm.	L-10S
<b>Coventry-Eagle</b>	
O.H.V. 14 mm.	L-10S
O.H.V. 18 mm.	16
125 c.c. 18 mm.	8 Com.
125 c.c. 14 mm.	L-10
147 c.c.	7
197 c.c.	L-11S
<b>Csepel</b>	L-10
<b>Demm</b>	
175 N, 125 T	L-10S
175 GT	L-11S
<b>Derbi</b> 14 mm.	J-8
<b>D.K.W. (Auto Union)</b>	
RT125, RT175, RT200/2,	
RT250/2 Hobby	J-6
RT350	L-11S
<b>D.M.W.</b>	
125 c.c., 150 c.c.	L-10S
197 c.c., 225 c.c., 250 c.c.,	
Hornet 125 c.c.	L-11S
<b>Doniselli</b>	
98 Universale	J-8
125 Vetta, 175 Falco	L-10

<b>Dot</b>	
197 c.c. and 225 c.c.	L-11S
Scrambler (Tuned)	LA-14
<b>Douglas</b>	
150 c.c.	8 Com.
250 c.c. 14 mm.	L-10
250 c.c. 18 mm.	7
350 c.c. Mark V	L-10S
350 c.c. Competition	L-10S
350 c.c. 80 plus, 90 plus	L-11S
<b>Ducati</b>	
Cucciolo 12 mm.	P-5
14 mm.	J-8
65S, 65	J-8
175 Cruiser	L-10S
<b>Dunelt</b>	L-10
<b>Dürkopp</b>	
M100, ML100	7
MF100	8 Com.
Diana	L-11S
M125, MD150, MD200	J-6
<b>E.M.C.</b>	
125 c.c. J.A.P.	L-10
350 c.c.	NA-8
125 c.c. RR	LA-11
<b>E.M.C.-Puch</b>	
250 c.c., 125 c.c.	L-10
<b>Evans</b>	7
<b>Excelsior</b>	
Models C1, C2, C3, TT1, TT2,	
TT3, STT1, STT2	NA-8
Models R1, R2, R4, R5, F4	
	L-11S
Models V1, V2, U1, D12	
Condex	L-10S
500 c.c. Speedway engine	
	LA-15
175 c.c. J.O.	16

## CHAMPION SPARK PLUGS

### Motor Cycles—continued

#### Excelsior—(continued)

148 c.c. J.1., J.C.1.....	7 Com.-L
247 c.c. J.4, J.D.4.....	7 Com.-L
Autocrat .....	L-11S

#### Express

Radex 100, 100B, 150, 250 17	
Radex, 125, K125, 175.....	J-6

#### F.B. Mondial

125T .....	L-10S
125 Competition .....	LA-11
200 V.T., 125 S.....	L-11S
Motocarro 14 mm.....	L-10S
18 mm.....	17

#### Fit. Motor

115-175 (JLO) .....	L-10
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#### Fita MC17 .....

#### F.N.

500 Sport .....	16
250, 350, 450 c.c.....	L-10S
Tricar and 13 .....	J-8
Long reach 14 mm.....	NA-8

#### Other models

S.V. 18 mm.....	7
O.H.V. 18 mm. ....	16
O.H.V. 14 mm.....	L-10S
S.V. 14 mm.....	L-10

#### Francis Barnett

125 c.c.....	16
148 c.c., 249 c.c. ....	7 Com.
125 c.c., 52, 53, 57 Merlin	
150 c.c. Kestrel 69 Plover	L-10S
197 c.c. 54, 55, 58, 67, 70,	
Falcon 225 c.c., Cruiser	
71 .....	L-11S
Merlin 59, Falcon 60.....	LA-11

#### Frera 125T, S.....

#### Gilera

125T, 150S, 250T, 500.....	L-10S
500 Competition.....	LA-11
Motofurgone 150 .....	L-10S
Motofurgone 600.....	17
125S, 250S .....	L-11S

#### Gillet

1954 on 100 c.c., 200/250 c.c.,	
Belgica, 250 c.c. 2-str. 300	
c.c. ....	L-10
125 c.c., 150 c.c., 250 c.c.,	
4 str .....	L-10S
175 c.c. Legia .....	7
To 1954 .....	
18 mm.....	17
14 mm .....	J-6

#### Gima

250 c.c. Sport .....	L-11S
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#### Girardengo

125T, 150T .....	L-10S
125S .....	L-11S

#### Gitan

125 Libeccio Scirocco.....	L-10S
125S Tifone .....	L-11S

#### Gnome and Rhone

18 mm. S.V. ....	7
18 mm. O.H.V. ....	17
14 mm.....	L-10S

#### Greeves

25R, 25D, 250 c.c. Anzani..	L-10S
197 c.c. Villiers .....	L-11S
325 c.c. Fleetmaster.....	L-10S

#### Griffon.....15A- or 8 Com.-K

## DEPENDABLE FOR EVERY ENGINE

### Motor Cycles—continued

#### Guazzoni

150T, 250.....	L-10S
150S .....	L-11S
175 SS .....	LA-14

#### Guiller

250 c.c. ....	L-10S
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#### Guzzi

65 .....	J-8
Zigolo, Astore, Airone..	L-10
Galletto 160, Airone S...L-10S	
Galletto 175, 192, Falconet	N-8-B
Falcone S, Motocarro Nuovo	NA-8
Motocarro 600R .....	L-10S

#### Hoffmann Vespa .....

#### Horex

Regina 1 .....	L-11S
Regina 2, 3, 4.....	NA-10

#### Ilparator

400 .....	L-11S
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#### Husqvarna

120 c.c. ....	16
S.V. models, 36, 40, 110,	
112, 130 .....	8 Com.
O.H.V. models, 35, 110,	
18 mm.....	17
112, 14 mm. ....	J-12
1945/54 120 c.c., 175 c.c....	17

#### Idroflex

105 T.....	J-8
105 S .....	L-10S

#### I.N.M.

Paperino .....	J-12
Baio .....	L-10S

#### Invicta

125 .....	L-10S
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#### Iso

Isomoto .....	L-11S
Isocarro .....	L-10S

#### James

125 c.c. 18 mm.....	16
148 c.c. 18 mm. ....	7 Com.-L
197 c.c., 249 c.c. 18 mm.	
122 c.c. Standard, De-Luxe	L-10S
197 c.c. Standard, De-Luxe	L-11S
Captain, Colonel, Commando,	
Cotswold, Super-luxe,	
Commodore, Comet, Cadet	L-11S

#### J.A.P. Engines

350 c.c. O.H.V. Grass Track	
Racing .....	LA-14
500 c.c. O.H.V. Speedway	
Racing .....	LA-14
8-80 Racing 1,000 c.c. O.H.V.	
twin wet sump .....	LA-15
8-80 Racing 1,000 c.c. O.H.V.	
twin dry sump .....	LA-14
500 c.c. O.H.V. Mark 1 Racing	LA-15
1,000 c.c. O.H.V. Twin Mark	
1 Racing .....	LA-15
1,100 c.c. O.H.V. Twin Mark	
1 Racing .....	LA-15
250 c.c., 350 c.c. Racing (1953)	NA-14
500 c.c. Racing Types 7, 8	
(1952-53)...LA-14 or LA-15	

#### Jawa-Cz

500 c.c. ....	J-8
1954-55 125 c.c., 150 c.c.	
250 c.c., 350 c.c.....	L-10S
Other models 14 mm.....	L-10
18 mm.....	7

#### Jolly .....

## CHAMPION SPARK PLUGS

### Motor Cycles—continued.

<b>Jonghi</b>	
18 mm.....	7
14 mm S.V. and 2 str.....	H-10
14 mm. O.H.V. ....	L-10S

<b>Karnan</b>	
Husqvarna Engine .....	7
Sachs Engine .....	7
Saxonette .....	J-8

<b>King Sachs Engine</b> .....	7
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<b>Lauson</b>	
Model TLC .....	J-8

<b>Laverda</b>	
75, 100 .....	J-7
75S, 100S .....	J-6

<b>Levis 247 c.c. 2-stroke 7 Com.-L</b>	
Other 2-strokes.....	8 Com.
S.V. 18 mm.....	7
S.V. 14 mm.....	L-10
O.H.V. 18 mm.....	16
O.H.V. 14 mm.....	L-10S

<b>Lube</b>	
100 c.c., 125 c.c., 150 c.c....	J-8
125 c.c. Sport .....	LA-11

<b>Macchi</b>	
125 .....	L-10
Macchitre .....	J-8

<b>Magnet-Debon</b>	
18 mm. S.V. ....	8 Com.
18 mm. O.H.V. ....	17
14 mm. S.V. ....	L-10
14 mm. O.H.V. ....	L-10S

<b>Mars</b>	
Stella 150 .....	7

<b>Mas</b>	
125 Stella Alpina, 175...L-10S	
125S .....	NA-8
18 mm.....	17

<b>Matchless</b>	
S.V. models 18 mm.....	7
S.V. models 14 mm.....	L-10
O.H.V. models 18 mm.....	16
1946 350 c.c. ....	L-10
1946 500 c.c. ....	L-10S
1947-1949 All models Cast	
iron head.....	L-10S
1950-56 Alloy heads except	
G45 .....	NA-8
G45 .....	NA-12 or NA-14

<b>Miller-Balsamo</b>	
98 to 1940 .....	7
250 Jupiter .....	L-11S
125, 200V, 250TT, 250S.....	17
Other models 18 mm.....	17

<b>Mi-Val</b>	
125T .....	L-10
125S .....	L-10S
Motocarro 150 .....	J-8

<b>M.M.</b>	
51/A .....	L-11S
51AS, 350, 5CT/CTS.....	LA-11
500 V.L., 3 Wheels.....	L-10S
Mobylux .....	L-10

<b>Monark</b>	
ML45, MC55 .....	8 Com.
MC65, M75, M77, M78, M275,	
M277 18 mm.....	7
M70, M71, M200, M271, M275,	
M276, M277.....	L-10
M95, M500 18 mm.....	K-11
M400, M402, M405, M450	
.....	L-10S
M500, 14 mm., M550, M551,	
M560.....	L-11S

## DEPENDABLE FOR EVERY ENGINE

### Motor Cycles—continued.

<b>Mondial (F.B.)</b>	
48, 125, 160, 175.....	L-10S
125SS, 175SS.....	LA-11

<b>Monet-Goyon</b>	
18 mm.....	7
14 mm.....	L-10S

<b>Montesa</b>	
D51 .....	L-10
BR10 80.....	L-10S
BR10 90.....	L-11S

<b>Morini</b>	
125, 175.....	L-10S
175 GT.....	NA-8
175 Sette Bello.....	NA-10

<b>Motobecane</b>	
Velomoteur .....	H-10
SV 14 mm.....	L-10
Other models 14 mm.....	L-10S
350 c.c. 2 cyl. long thread	NA-10

<b>Motom</b>	
160 .....	L-10S
48 .....	J-8

<b>Moto Morini</b>	
125, 125S.....	L-10S
125SS, 250.....	L-11S

<b>Motosacoche &amp; N.A.G.</b>	
18 mm. S.V.....	8 Com.
18 mm. O.H.V.....	17
14 mm. all models.....	L-10

<b>M.V.</b>	
125T, 150T.....	H-9
125S, 150S, 175 CS.....	L-11S
175CST, L.....	N-8B

<b>Nettunia 125.....</b>	L-10S
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<b>New Imperial</b>	
14 mm.....	L-10S
18 mm.....	16

<b>New Map.....</b>	H-10
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<b>Nimbus.....</b>	L-10
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<b>Norman</b>	
125 c.c., 98 c.c., 242 c.c., 150 c.c.	
.....	L-10S
125 c.c. 18 mm.....	8 Com.
197 c.c.....	L-11S

<b>Norton</b>	
S.V. 18 mm.....	16
Model 16H 500 c.c. S.V....	NA-8
Big Four 596 c.c. S.V....	NA-8
Model 18 490 c.c. O.H.V....	L-10S
ES2, 88, 7, Cast iron.....	L-10S
ES2, 88, 7, 99, Alloy.....	NA-8
30M, 40M, $\frac{3}{4}$ " reach.....	NA-19
19R, 19S, 50, 500T.....	NA-8

<b>N.S.U. All models.....</b>	L-10S
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<b>O.E.C.</b>	
18 mm.....	16
125 c.c.....	L-10S
197 c.c.....	L-11S
250 c.c. Appollo.....	NA-8

<b>O.K. Supreme</b>	
S.V. models.....	7
O.H.V., O.H.C.	
14 mm.....	L-10S
18 mm.....	16

<b>Omea</b>	
98 .....	J-8
125T, 150T.....	L-10
125S .....	L-10S

<b>Ossa 125 A.....</b>	H-10
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## CHAMPION SPARK PLUGS

### Motor Cycles—continued.

#### Panther (P. & M.)

18 mm.....	16
65, 75, 100.....	L-10S
Model 10.....	L-11S

#### Parilla

125, 150.....	L-10
125S, 175S, 250S.....	L-10S
98, 250T.....	H-9
250C.....	NA-10

#### Peugeot

Early models 18 mm.....	7
150 c.c. P155, P156.....	L-10S
175 c.c., 175AS, 176TC4.....	L-10S
250 c.c., 2 cyl. 256TC4.....	L-10S
250 c.c., 2 cyl. 256 Sport.....	LA-10
175 c.c. Grand Sport.....	NA-8

#### Powell .....J-6

#### Puch

125 c.c. and 250 c.c.....	L-10
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#### Rabeneick

KM100/LK100 .....	7 Com.
LS150/GD 150, LS175, F250/2 17	
L1200 Universal.....	L-11S

#### Raid 125 c.c.....J-8

#### Raleigh

S.V. models.....	7
O.H.V. models.....	16

#### Rene Gillet

18 mm.....	15-A or 8 Com.-K
Velomoteur .....	L-10
14 mm.....	L-10

#### Rex Master.....17

Speedy .....	7
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#### Rossi

125 T.....	L-10S
125S .....	L-11S

#### Royal Enfield

Model S 248 c.c., Clipper	
248 c.c., 350 c.c. Bullet,	
G 350 c.c., J, J2 500 c.c. Trials	
Bullets .....	L-10S
150 c.c. Ensign.....	L-10
125 c.c. R.E.....	L-8
500 c.c. Bullet.....	NA-8
700 c.c. Meteor Twin, 500 c.c.	
Twin .....	L-10
Clipper 350.....	L-10
Super Meteor.....	L-10S

#### Rudge Special and Ulster

14 mm.....	L-11S
18 mm.....	16
Others 18 mm.....	16
Others 14 mm.....	L-10S

#### Rumi

125 .....	NA-8
125SS .....	NA-10

#### Sancristoforo

98 Nibblo .....	J-8
125 Simonetta.....	L-10S

#### Sanglas

35 c.c. Mod 4G.....	H-10
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#### Sarolea

S.V. 18 mm.....	7
S.V. 14 mm.....	L-10
O.H.V. 18 mm.....	16
O.H.V. 14 mm.....	L-10S
Aluminium heads.....	NA-10
125 c.c. "Oiseau Bleu".....	J-6
350-400 c.c. "Continental" .....	L-8
350 c.c. "Vedette".....	L-10S

## DEPENDABLE FOR EVERY ENGINE

### Motor Cycles—continued

#### Sarolea—continued

600 c.c. "Grand Tourisme" .....	L-10S
498 c.c. 2 cyl. "Atlantic" .....	L-10S
Long reach 14 mm.....	NA-8

#### Scott 18 mm.....7

14 mm.....	L-10S
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#### Sertum 18 mm.....17

120, new series.....	J-8
125, 250 VL, 250 VT, Ghibli,	
500 VL, 500 Maestrale.....	L-10S

#### Simplex

175, 220, 250, 500.....	L-10
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#### Soriano 14 mm.....J-8

18 mm.....	7 Com.
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#### Sterzi

160, 175.....	H-9
160SS .....	LA-10

#### Suecia

18 mm.....	17
14 mm.....	J-8

#### Sun 197 c.c., 250 c.c., 150 c.c.,

98 c.c., 122 c.c.....	L-10S
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#### Sunbeam

1946-56. S7, S8.....	N-8B
All other models	
14 mm.....	L-10S
18 mm.....	16

#### Tandon

125 c.c. Villiers.....	L-10S
197 c.c., 150 c.c., 225 c.c.....	L-11S
250 c.c., 325 c.c. Anzani.....	L-10S

#### Terrot

18 mm.....	7
350 c.c. S.V.....	L-10
175, 250, 350, 500 c.c. O.H.V.	
.....	L-10S

#### Triumph (Britain)

150 c.c. Terrier, 200 c.c. Tiger	
Cub, 3T, 5T Speed Twin, 6T	
Thunderbird, TR5 Trophy,	
Cast iron.....	L-10S
TR5, TR6 alloy.....	NA-10 or NA-8
Tiger 100, Tiger 110, Cast iron	
.....	L-11S
Tiger 100 Alloy.....	NA-8
Tiger 110 Alloy.....	NA-10
Tiger 100C.....	NA-12 or NA-14
Grand Prix 500 c.c.	
.....	LA-14 or LA-15
Other O.H.V. models 14 mm.	
.....	L-10S
O.H.V. models 18 mm.....	16
S.V. Models 14 mm. except	
TRW .....	L-10
S.V. models 18 mm.....	7
Model TRW S.V.....	L-11S

#### Velocette

G.T.P. 250 c.c. 2-stroke.....	L-10S
M.O.S. 250 c.c. O.H.V.....	L-10S
K.S.S. 350 c.c. Mark II.....	NA-8
M.A.C. 350 c.c. Cast iron	
.....	L-10S
M.A.C. 350 c.c. Alloy.....	NA-8
M.S.S. 500 c.c. Cast iron.....	L-11S
M.S.S. 500 c.c. Alloy.....	NA-8
Viper, Venom.....	NA-10

#### Vespa .....L-10S

#### Victoriawerke

KR21, KR26.....	J-6
V35 .....	L-11S

## Motor Cycles—continued

### Villiers Engines

1F, 2F, 2G, 3G, 3 Fan cooled	
4F, 10D, 11D, 12D, 13D, 30C,	
78 c.c.....	L-10S
1H, 6E, 7E, 8E, 9E, 28B....	L-11S
E, 1E, 2E, 3E, 5E, 2 Midget,	
3 Midget, 10C, 11C, 17A, 18A,	
24A, 25A, 26A, Junior De-	
luxe, 172 c.c. Sports, 172 c.c.	
Super Sports.....	7 Com.-L
25C (Unscreened), 28C, 98 c.c.	
Midget .....	8 Com.
8D, 9D.....	17
24C, 26C (Invalid Chair Units),	
27B .....	16
25C (Screened).....	SX-7
98 c.c. Junior.....	L-10

Villof All models.....J-12

### Vincent

Black Shadow.....NA-8

Rapide .....	N-8B
500 c.c. Comet.....	NA-8
500 c.c. Meteor.....	NA-8
Black Lightning, Prince, Knight,	
Victor .....	NA-8
Grey Flash 500 c.c.....	NA-10
Other models	
14 mm.....	L-10S
18 mm.....	16

Wooler 14 mm.....L-10S

### Zenith

14 mm.....	L-10S
18 mm.....	16

### Zundapp

18 mm.....	K-11
KS500, 600/601 and 601 Sport	
	L-11S
K500, DBK200, 250.....	L-10
DB200, 201, 202, Norma, Luxus,	
Komfort, Elastic .....	J-6
200, 200S.....	L-10S

## Special Note for Competition Riders :—

Where L-10S is normally used, fit L-11S for Scrambles.

Where NA-8 is normally used, fit NA-10 for Scrambles.

## AUTOCYCLES, SCOOTERS AND BICYCLE ATTACHMENT ENGINES

A.B.G. ....L-10

Agusta ....L-10S

### Alcyon

18 mm. S.V. ....	7
18 mm. O.H.V. ....	17
230 c.c. $\frac{3}{4}$ " .....	NA-8
48, 100, 125 c.c.....	L-10
Other models 14 mm.....	L-10S

### Alpino

125 Scooter ....L-10S

### Ambassador

Bella Scooter ....L-10S

### A.M.C.

Mustang ..... L-11S |

A.M.I. Scooter.....17

A.M.O. ....J-12

### Apollo Motorette

80 c.c., 55L, 58L .....	J-8
68F, 68F2, XI, Z1 .....	L-10
Biet .....	7

### Ardito

48, 75 .....J-8

### Ariz

48 .....J-12

### Aubier-Dune

100, 125 c.c.....L-10

Autoped .....L-10

### Automoto

49 c.c.....	H-10
100, 125 c.c. ....	L-10

Bantamco .....N-8B

Berini .....L-10

### Bernadet

Scooter ....L-10S

### Bianchi

45 Aquilotto .....J-12

B.F.C. ....L-10

### B.M.G.

48 (Mosquito) .....J-12

Bond Minibyk .....L-8

Bown 98 c.c. ....L-10S

Moped 50 .....L-10

### Breda

65 .....J-8

### Brieau

175 c.c. ....J-6

### Britax

Cucciolo, Scooterette .....L-10S

### B.S.A.

Winged Wheel .....N-7

Beeza .....N-8B

Dandy .....L-10S

### Cab

50 .....J-12

### Capriolo

75 .....J-8

### Carnielli

Vittoria 65 .....J-8

Victoria Scooter 125 .....L-10S

### Cazenave

48 c.c.....H-10

### Ceccato

48 Romeo, 75, 98 .....J-12

Chimota .....L-10

## CHAMPION SPARK PLUGS

### Autocycles, Scooters & Bicycle Attachment Engines—continued

<b>Cicca</b> .....	J-8
<b>Clua</b> 49 c.c. ....	L-10S
<b>Comet</b> BP 40 .....	L-10
63 c.c. ....	N-8B
<b>Corgi</b> .....	NA-8
<b>Coventry Eagle</b> 98 c.c. Junior .....	L-10
98 c.c. Midget .....	8 Com.
<b>Csepel 100 c.c.</b> .....	L-10
<b>Cucciolo</b> .....	L-10S
<b>Cyc Auto</b> Scott Eng. Fixed head .....	L-8
Detachable head .....	N-8B
Villiers 98 c.c. 14 mm....	L-10S
Villiers 98 c.c. 18 mm....	8 Com.
Villiers 98 c.c. 18 mm. Long Reach .....	7 Com.-L
<b>Cyclaid</b> 10 mm. ....	Y-6
14 mm. ....	L-10
<b>Cyclemaster to 1938</b> .....	L-8
1953 on .....	L-10
<b>Cyclestar</b> .....	L-10S
<b>Cymota</b> .....	L-8
<b>D-Z 98 c.c.</b> .....	7
<b>Dayton</b> Albatross .....	L-11S
<b>Derny 18 mm.</b> .....	7
14 mm. ....	H-10
<b>Diana</b> Scooter .....	L-10S
<b>Diesella</b> .....	L-10
<b>D.K.W.</b> Hobby .....	L-10S
<b>D.M.W.</b> Bambi .....	L-10S
<b>Doniselli</b> 63 Titanico .....	J-8
<b>Douglas Vespa</b> 125 c.c., 150 c.c. ....	L-10S
150 c.c. Grand Sport.....	NA-8
<b>Dream</b> .....	L-10
<b>Eilenriede</b> A4 .....	Y-6
<b>E.M.C.-Puch</b> Scooter 125 c.c. ....	L-10
<b>Excelsior Autobik</b> 14 mm. ....	NA-8
18 mm. ....	7 Com.-L
<b>Fada Motocarro</b> .....	NA-8
<b>F.B. Mondial</b> 160 Scooter .....	L-10S
<b>Ferbedo 1/2"</b> .....	L-11S
T52 .....	J-8
<b>Fichtel-Sachs</b> 18 mm .....	7
14 mm. ....	J-6
<b>Fit-Motor</b> 50 .....	J-12
<b>Flink</b> .....	L-10
<b>F.M.</b> T52 .....	J-8
125T, 50 Scooter .....	L-10S
<b>Follis</b> 18 mm .....	7
14 mm. ....	H-10
<b>Fram</b> 40-41, 42, 61 .....	L-10
43 .....	L-10S

## DEPENDABLE FOR EVERY ENGINE

### Autocycles, Scooters & Bicycle Attachment Engines—continued

<b>Francis Barnett</b> 14 mm .....	L-10S
18 mm. J.D.L. ....	7 Com.-L
<b>Frera</b> 48 .....	J-12
75 .....	J-8
<b>Fuchs Eng.</b> .....	L-10
<b>Furetto</b> Scooter .....	J-12
<b>Galetto</b> .....	L-10
<b>Genial Lucifer</b> .....	H-10 or J-6
<b>Gillet Rene 18 mm.</b> .....	7
Velomoteur .....	L-10
<b>Gima 125 c.c., 175 c.c.</b> .....	J-6
<b>Gioiello 48</b> .....	J-12
<b>Gitane 48 c.c.</b> .....	H-10
<b>Glax</b> Goggo 125, 150T53.....	L-11S
Goggo 200, 200TA53.....	17
<b>Gloria 48</b> .....	J-12
<b>GMF Boy</b> .....	L-8
<b>Gnome &amp; Rhone 18 mm.</b> .....	7
14 mm. ....	L-10S
<b>Guiller</b> 48 c.c. and Scooter.....	L-10S
<b>Guzzi 65 c.c.</b> .....	J-8
<b>G.Y.S. Motomite</b> 10 mm. ....	Y-6
14 mm. ....	L-8
<b>Heinkel</b> 48 c.c., 174 c.c. ....	L-10S
<b>Hemy 48 c.c.</b> .....	H-10
<b>Hercules</b> Grey Wolf 49 c.c. ....	L-10
<b>Himo 48 c.c.</b> .....	J-6
<b>Husqvarna</b> .....	J-12
<b>Ilo</b> F 48 c.c. ....	J-6
<b>Il Pelegrino</b> .....	J-12
<b>Invicta</b> 75 .....	J-8
<b>I.S.O.</b> Isomoto .....	L-11S
Isocarro .....	L-10S
<b>Itom</b> .....	J-8
<b>James</b> 98 c.c. 14 mm. ....	L-10S
18 mm. J.D.L. ....	7 Com.-L
<b>Jawa Robot 99 c.c.</b> .....	L-10
Model 550 .....	L-10S
<b>JB-Motorn</b> 48 c.c. ....	L-10
<b>Jeanette Scooter</b> 120 c.c. ....	L-10
<b>Jonghi 100, 125 c.c.</b> .....	H-10
<b>Kieft</b> 215 (K50) .....	L-10
Prior 200 c.c. ....	17
<b>Kriedler</b> .....	L-10
<b>Kuli</b> .....	J-8
<b>Kurir</b> .....	J-8
<b>Kuchen</b> .....	L-10
<b>Le Poulain</b> .....	H-10
<b>Lambretta (England)</b> 1946-47 Models A.....	L-10
1948-51 Models B, C, LC	L-10S
1952 on Models D, FD, LD, E .....	L-11S
<b>Lambretta (Italy)</b> 48 .....	J-8
125, 150 .....	L-10S

## Autocycles, Scooters & Bicycle Attachment Engines—continued

Lavalette 100, 125 c.c.....J-6	Motamite .....L-10
Laverda	Motobecane
75T .....J-8	Mobylette, Moby Scooter, D45
75S .....J-8	H-10
Levis 80 c.c. ....L-10S	Z22, Z23, Z46, Z56 .....L-10
Magnat Debon	L4C .....NA-8
50, 100, 125 c.c. and Scooter	Motom 48 .....J-8
H-10	Mustad .....L-10
Melson 50 c.c. ....Y-6	Mustang .....L-10
Mercier 48, 125 c.c.....L-10	M.V.
Mercury	425 (3M) 4M Scooter.....L-10S
Mercette .....N-8B	Nannucci
Hermes .....L-10S	50 c.c. ....L-10S
Messerschmitt .....17	Parilla Greyhound .....NA-8
Minimotor (Trojan) .....J-8	Nasetti .....L-10S
Minimotor—F.M. (Italy)	New Hudson
50 .....J-8	14 mm.....L-10S
Scooter .....L-10	18 mm.....16
Mistral 48, 98 c.c.....H-10	Norman
Mo-Cyc	98 c.c., 18 mm.....7 Com.-L
1953 on .....L-10	14 mm.....L-10S
10 mm. to 1952 .....Y-6	Nippy 49 c.c. ....L-10
Mobylette .....L-8	Novolette .....L-8
Monark	N.S.U.
M10, M20, M40, M41, M42,	Lambretta .....L-10S
M45, M56, M56F, M61...L-10	Prima .....L-10S
M24, M32, M35, M36, M38,	Quickly .....L-10S
M60 .....L-10S	N.V.
M50, M55, M57.....J-12	5, 31 c.c. Autoped .....L-10
Monarped .....L-10S	70 Hobby .....L-10S
Monet-Goyon	80 Progress .....17
18 mm. ....7	Moped scooter .....L-10
49 c.c. ....H-10	Oscar 197 c.c. Scooter.....L-11S
100 c.c., 56V 125 c.c., Pullman	125 c.c. Scooter .....L-10S
125 c.c., 200 c.c., 232 c.c.H-9	Panchancho .....L-8
Mosquito	Parilla
38, 48, B.M.G. ....J-12	125 Scooter Levriere.....NA-8

## Autocycles, Scooters & Bicycle Attachment Engines—continued

Peugeot	Swallow Gadabout
49 c.c., 100 c.c., 125 c.c., 175	18 mm. ....16
c.c. ....H-10	122 c.c., 14 mm.....L-10S
Scooter, Motos 256 .....L-10S	197 c.c., 14 mm.....L-11S
176 G.S. ....NA-10	Teagle .....XJ-8
Phillips	Terrot 18 mm.....17
49 c.c. ....L-8	Scooter 100 and 125 c.c.H-10
Pirotta	48 c.c., 100 c.c., 125 c.c.L-10
43, 49 .....J-12	250, 350, 500 c.c.....L-10S
75 .....J-8	Vallee
Polenghi	Scooter .....L-10S
M.P.C. 35 .....J-8	V.A.P. ....L-10
Powerpak .....L-8	Velosolex.....L-8, L-10 or XL-10
Puch Scooter .....L-11S	Velosolex (Italy) .....J-12
Rador 48 c.c., 125 c.c.....L-10S	Vespa (Italy)
Ranger .....L-10S	98 c.c. ....L-10S
Rap .....L-10S	125, 150 .....L-10S or H-9
Regina .....L-10	150 GS .....NA-8
Rex	Vicky .....J-6
Illoped R. Scooterped .....L-10	Victoria
Illoped K. (Ilo F48).....7	48 c.c. ....L-10
Vicoped .....L-10S	Special .....J-12
Rohr	Villar-Pachancho .....L-10
Rolleta .....17	Vimer 45 c.c.....H-10
Rudge Autocycle .....7 Com.-L	Vincent Firefly .....L-8
Rumi Scooter .....L-10S	Welmo .....L-10
Sitta .....J-8	Wingwheel .....L-10
Sotecma	Winged-Wheel (B.S.A.).....N-7
48 c.c., 60 c.c.....H-10	Ydral
125 c.c., 175 c.c.....L-10S	125 c.c., 175 c.c.....L-10S
Speed	Zundapp .....J-6
115 c.c. Scooter .....L-10S	Zurcher
Stafette (B.F.C.) .....L-8	18 mm.....8 Com.
Svalan .....7	14 mm.....L-10S

# SPARKING PLUG COMPARISON CHART

CHAMPION		A.C.	AUTOLITE	BOSCH	K.L.G.	LODGE
Size	Type					
10 m/m 3/8" reach	Y-6 .....	104, 106.....	P4 .....	U145T3 .....	TEN50.....	C10 .....
14 m/m 5/8" reach	J-12 .....	46-5, 47, 47-Com, 48, 48X	AR10, AT10, A11	W125T1 .....	TFS20 .....	BAN, BS14.....
	J-8 .....	44, 44-5, 44-5Com, 45R, VF9	A5, AR5, AT8, AR51, 45-165	W175T4 .....	TFS50 .....	CAN, C-AN14, C-AN14P, CC-AN14
	J-6 .....	42-5Com, 43, 43-Com	AR4, AT4.....	W225T3 / T11, W240T11	FS70.....	2HAN14, HAN14P...
14 m/m 10/16" reach	H-10.....	VF9, 45L, 45L-Com	AL7, ATL8.....	W175T1 / T11, W225T1/T11	FA50 .....	CS14, CSN14 .....
	H-9 .....	43L .....	ARL5 .....	W225T1, W240T1	FA70 .....	CSN14P .....
14 m/m 3/8" reach	L-8 .....			W95T1, W125T1	F20 .....	B14, BB14, BB14S
	L-10.....	F10, F9.....	AE6, AER6 .....	W145T1, W175T1	F50, CF50 ...	C14, CC14, CN CNP

# CHAMPION COMPARISON CHART

L-10S ...	F8.....	AE4, AER4 .....	W225T1, W240T1	F80, F70 .....	H14, H14S, HN, HNP
L-11S			W240T1, W260T1	F100.....	HHN, HNP, 3-HN, HH14, 2-HN
LA-11 ...			W275T, W290T16	646, F280 ...	R47 .....
N-8-B...	FL9, 45XLR	AE10, AG4, AG5, AGR31, 4GS75	W145T2, W175T2	FE50.....	CLN, CL14, CLN-P, CB14, CLN-H, HLNR .....
NA-8 ...	44XL Com, 44XLR Com	AGR41, 4GS-200,	W175T2, W225T2	FE70, FE80 ...	HLN, HLNP, HL14
NA-10 ...	FL7 .....	AGR31, AG3 ...	W240T2, W260T2	FE100 .....	RL47, 3HLN.....
8-Com...	86.....	BT8, BR8 .....	M95T1, DM95T2	M30 .....	BBL .....
8-Com-K	85S Com.....	BT10, BH8 .....	M145T5 .....	SM30, SM50	SC3, SC.....
7 .....	85, 84, 86.....	B7, BT6 .....	M145T1/TS .....	M50, TMB50	C1, C3 .....
17.....	82, 82 Com...	BT4, B3 .....	M225T1/T11 .....	M80, M60 ...	H1, HN18P, H1P.....
16.....	81S Com.....	BT3 .....	M240T1/T11 .....	M100 .....	H3 .....
18 m/m 1 1/8" reach			M30T .....	ML30 .....	CL3, CB3.....
18 m/m 3/8" reach	7-Com-L				

## OPERATING RANGE

### HEAT RANGE

Champion Plugs are graduated according to their ability to transfer heat from the firing end to the cooling water or air.

#### COLD PLUG

Low insulator seat, dissipates heat from the insulator and makes a cold plug—for hot engines (see left).

#### HOT PLUG

High insulator seat, allows insulator to retain the maximum amount of heat making a hot plug for use in cold and oily engines—(see right).



### "CHAMPION" HEAT RANGE CHART

HOT PLUG for COLD ENGINE.

COLD PLUG for HOT ENGINE

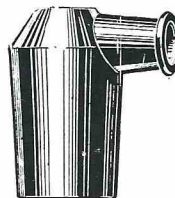
20 mm. 3/4" reach	18 mm. 3/8" reach	14 mm. 3/8" reach	14 mm. 1/2" reach	14 mm. 3/4" reach	10 mm. 1/4" reach
STANDARD TYPES					
20 C-5	†7 Com L 11-Com	J 12		N-7	
I-Com	8-Com 15-A	J-8	L-8	N-8B	Y-6
	7 7-Com		L-10 *H-10		
	17		*H-9		
	16	J-6	L-10S	NA-8	
RACING AND SPORTS TYPES					
	R-7		L-11S	NA-10	
	R-1		LA-11	NA-12	
	R-11		LA-14	NA-14	
	RJ-11			NA-18	
	R-2		LA-15	NA-19	

† 3/8" Reach  
N.B.—20 Formerly 22; J-6 Formerly J10-Com  
\* 7/16" Reach

Should plugs normally used show a tendency to oil up, fit the next hotter or "softer" type shown in Heat Range Chart. In the event of the normal plug overheating, fit the next colder or "harder" type.

## CHAMPION ACCESSORIES

### CHAMPION WATERPROOF COVER



Gives complete plug protection by shielding entire insulator. Fits over A548 post terminal.

Model WC/548 (Push-on Type) with A548 Terminal. Each ... 1/6  
Model WCX/548 with Suppressor insert. Each ... 2/6

### CHAMPION TERMINALS



H.T.C.



A 146  
AB 146 (2BA)



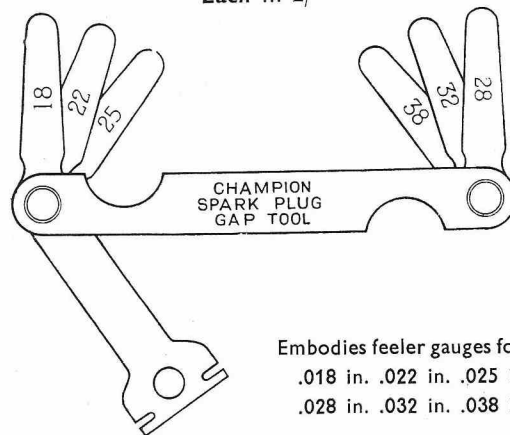
WL 548  
WLB 548 (2 BA)



A 548  
AB548 (2BA)

### GAP GAUGE AND ADJUSTER

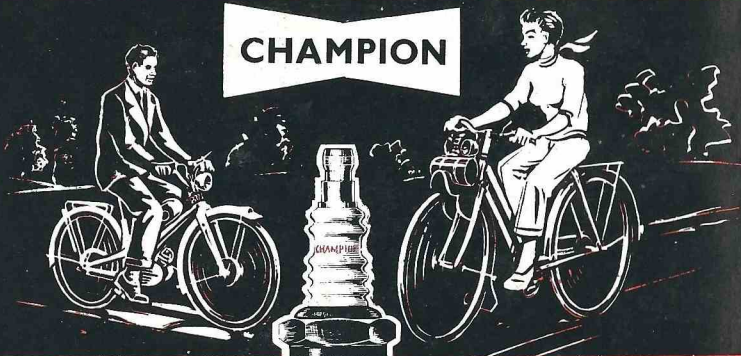
Each ... 2/-



Embodies feeler gauges for:  
.018 in. .022 in. .025 in.  
.028 in. .032 in. .038 in.



**CHAMPION**



Ref. 567/L3

**CHAMPION SPARKING PLUG CO., LTD., FELTHAM, MIDDLESEX**  
Telephone: Hounslow 4494