

For Still Better
Motorcycling

1 9 4 9

MATCHLESS
Clubman

The
MATCHLESS
FREE SERVICE SCHEME

It is strongly recommended that owners of new Matchless Motorcycles should avail themselves of the free Service Scheme operated by all official Dealers, full details of which are given on the Card supplied with each machine.



All prices and specifications are subject to alteration without notice, and all motorcycles and equipment are sold subject to the limited guarantee printed herein.



MATCHLESS Motorcycles have now been in continuous production for over half a century and throughout this period, no effort has been spared to ensure that design, performance and reliability are to the highest possible standard. Although visibly little altered for the 1949 Season, the single cylinder models have been almost completely redesigned. An ultra efficient single port cylinder head incorporating Duplex hairpin valve springs and Stellite tipped valves has been developed by our Design and Experimental Departments, and the new frame ensures that the steering, road-holding and braking are in keeping with the available performance. Detail design has also received careful attention, and the new handlebars, rear light, tank filler caps, exhaust valve lifter, fully adjustable saddle, integral brackets for 7½" headlamp and many other refinements will undoubtedly meet with approval from students of design.

Introduced with the object of providing a model that represents a distinct advance on any existing motorcycle, the sensational new 500 c.c. Twin is the result of over three years intensive development work. Capable of a three figure performance, yet equally at home when trickling along at under 10 m.p.h. in thick traffic, the new Twin combines the comfort of a high grade car with the acceleration, handling and speed of a racing motorcycle.

MATCHLESS MOTOR CYCLES

Proprietors—ASSOCIATED MOTOR CYCLES LTD.

PLUMSTEAD ROAD : LONDON : S.E. 18 : ENGLAND

Telephone: WOOLwich 1223

Telegrams: "Matchless-Wol-London"





Super Clubman
VERTICAL TWIN SPRING FRAME

498 c.c. O.H.V.

*Without doubt the outstanding
Motorcycle of the 1949 Season*

MATCHLESS *Super Clubman* 498 c.c. O. H. V.

Specification

ENGINE. 498 c.c. Bore 66 m.m. Stroke 72.8 m.m. Vertical Twin Separate cylinders and Light Alloy cylinder heads with shrunk in valve seats, integral rocker posts and eccentric rocker spindle valve adjustment. Duralumin pushrods with hardened end caps, forged Light Alloy connecting rods, low clearance wire wound pistons, twin gear type oil pumps, 26 gallons per hour oil circulation, internal oil feeds to all moving parts, three bearing heavyweight crankshaft, roller outer main bearings, plain centre bearing and Vandervell big end bearings.

GEAR BOX. Oil lubricated 4-speed heavyweight multi-plate clutch and enclosed positive stop gear control for foot operation.

FRAME. Duplex cradle with pivot type oil damped Teledraulic rear springing providing 3" total movement. Integral oil chamber on robust Light Alloy casting provides continuous lubrication for frame pivot bearing. Integral pillion footrest lugs and folding footrests.

WHEELS AND TYRES. 3.25" front and 3.50" rear on 19" rims. Taper roller wheel bearings with extra large diameter rear wheel spindle.

BRAKES. 7½" internal expanding, foot operated rear, hand operated front.

FORKS. Telescopic oil damped Teledraulic with integral headlamp brackets.

ELECTRICAL EQUIPMENT. Flange mounted gear driven magneto and dynamo. 7½" fluted domed glass headlamp, chromium plated car type rear lamp, electric horn and voltage control unit.

CARBURETTOR. Single semi-automatic needle type Amal. Twist grip throttle control and separate handlebar mounted air lever.

TANKS. Petrol: capacity 3 gallons. Oil: capacity 4 pints. Pressed steel welded construction with quick action filler caps, twin filter push on petrol taps, detachable fabric oil filter.

STANDS. Forged steel low lift spring-up centre stand, foot operated prop stand and tubular front.

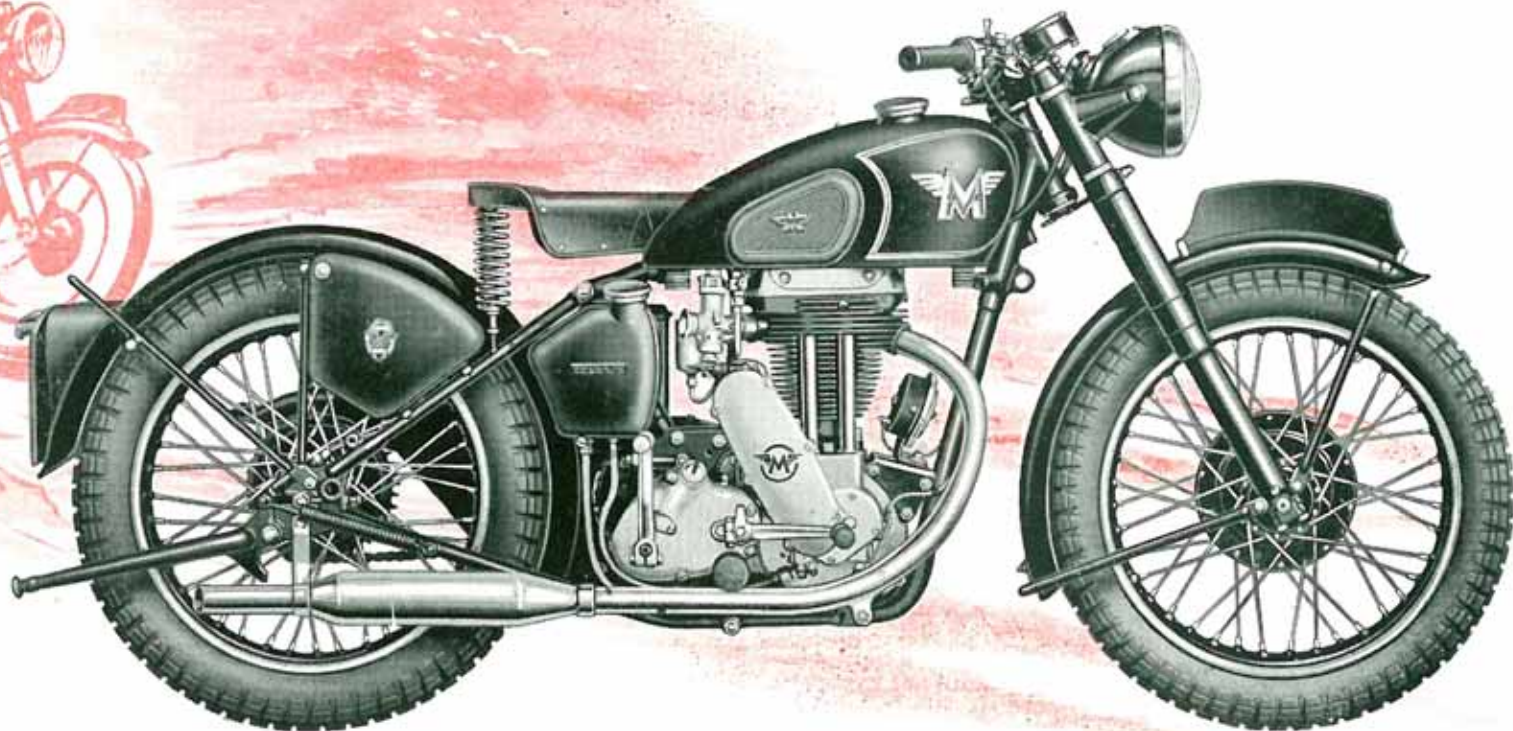
TRANSMISSION. Self lubricating engine shaft shock absorber, primary chain enclosed in oil bath case and rear protected by efficient deep section guard. Cam type chain adjuster.

MUDGUARDS. Deep section steel front and valanced rear hinged for easy wheel removal.

SEATING. Integral luxury upholstery for rider and pillion passenger in moulded Dunlopillo.

FINISH. Frame, mudguards, oil tank, tool box, etc., three thicknesses of stoved black enamel after Bonderizing. Wheel rims, handlebars, exhaust system and all bright parts heavily chromium plated. Petrol tank chromium plated with Aldwych red panel and chrome plated winged 'M'. Engine timing cover, rocker covers and gear box end cover polished aluminium.

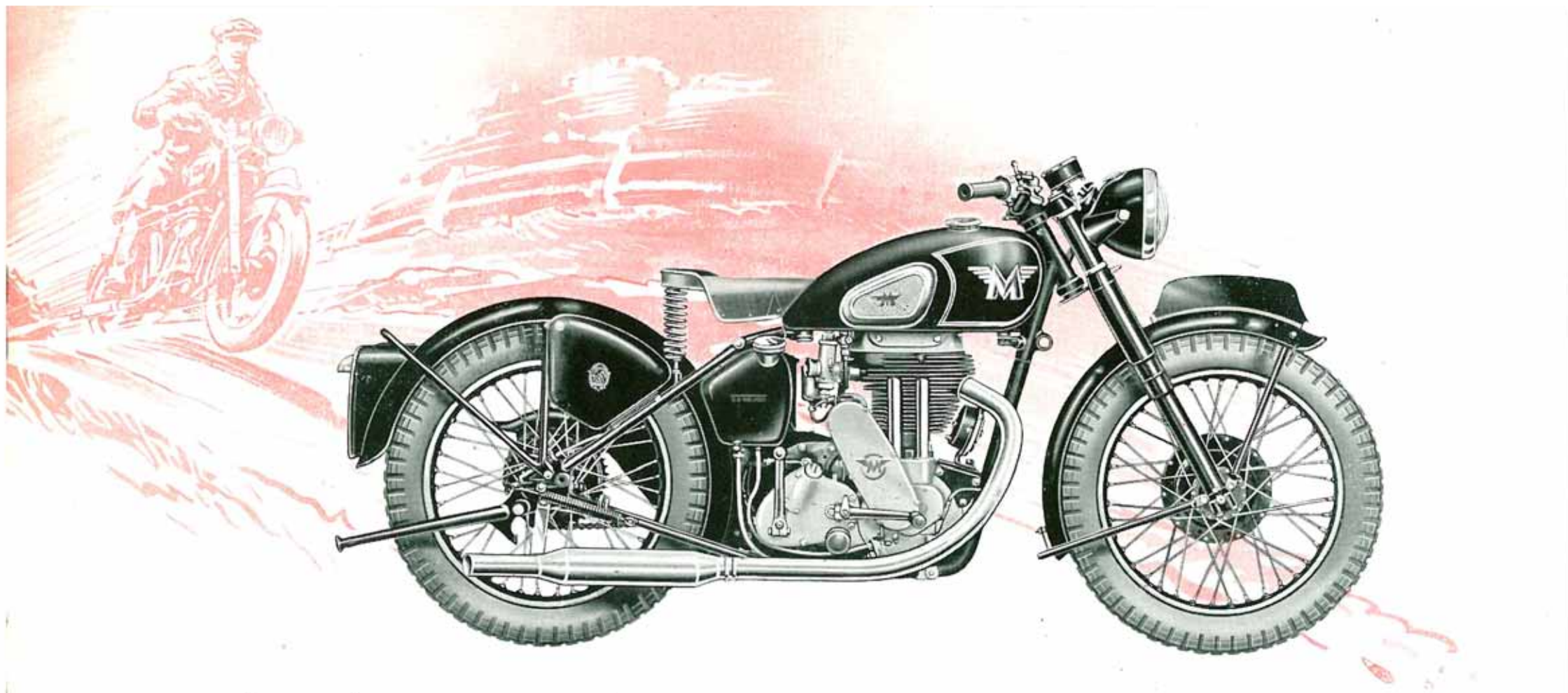
EQUIPMENT. Complete tool kit, tyre pump, grease gun and comprehensive Instruction Manual.



Clubman
MODEL G3/L

347 c.c. O.H.V.

*Performance with Economy and
Unfailing Reliability.*



Clubman
MODEL G 80

498 c.c. O.H.V.

*World Renowned for Quality
and Performance.*

MATCHLESS *Clubman* MODELS G3/L & G80

Specification

| ENGINE. | | Bore | Stroke | Capacity |
|---------|------------|-----------|---------|----------|
| | MODEL G3/L | 69 m.m. | 93 m.m. | 347 c.c. |
| | MODEL G80 | 82.5 m.m. | 93 m.m. | 498 c.c. |

Single port O.H.V., all moving parts totally enclosed and pressure lubricated, 3-row caged roller big end bearing, Duplex hairpin valve springs, Stellite tipped valves, individually balanced flywheels, low clearance wire wound piston, down draught inlet port, heavily finned cylinder and cylinder head.

LUBRICATION. Full dry sump system with large capacity Duplex rotary reciprocating plunger pump, driven from timing side mainshaft, and separate oil tank.

CARBURETTOR. Semi-automatic Amal with adjustable pilot jet for slow running.

GEAR BOX. Heavyweight 4-speed with positive type foot gear-change. Multi-plate clutch with handlebar control.

TRANSMISSION. Primary chain enclosed in oil bath case. Lubricated cam type shock absorber. Rear chain protected by efficient deep section guard.

TANKS. 3 Gallon welded steel petrol tank and 4 pint oil tank of similar construction incorporating detachable fabric filter.

FRAME. Duplex cradle with integral sidecar lugs and forged rear fork ends.

FORKS. Self lubricating, hydraulically damped "Teledraulic."

BRAKES. Highly efficient large diameter internal expanding with chromidium drums and finger adjustment.

SADDLE. Large Lycett spring seat with adjustable front and rear mounting.

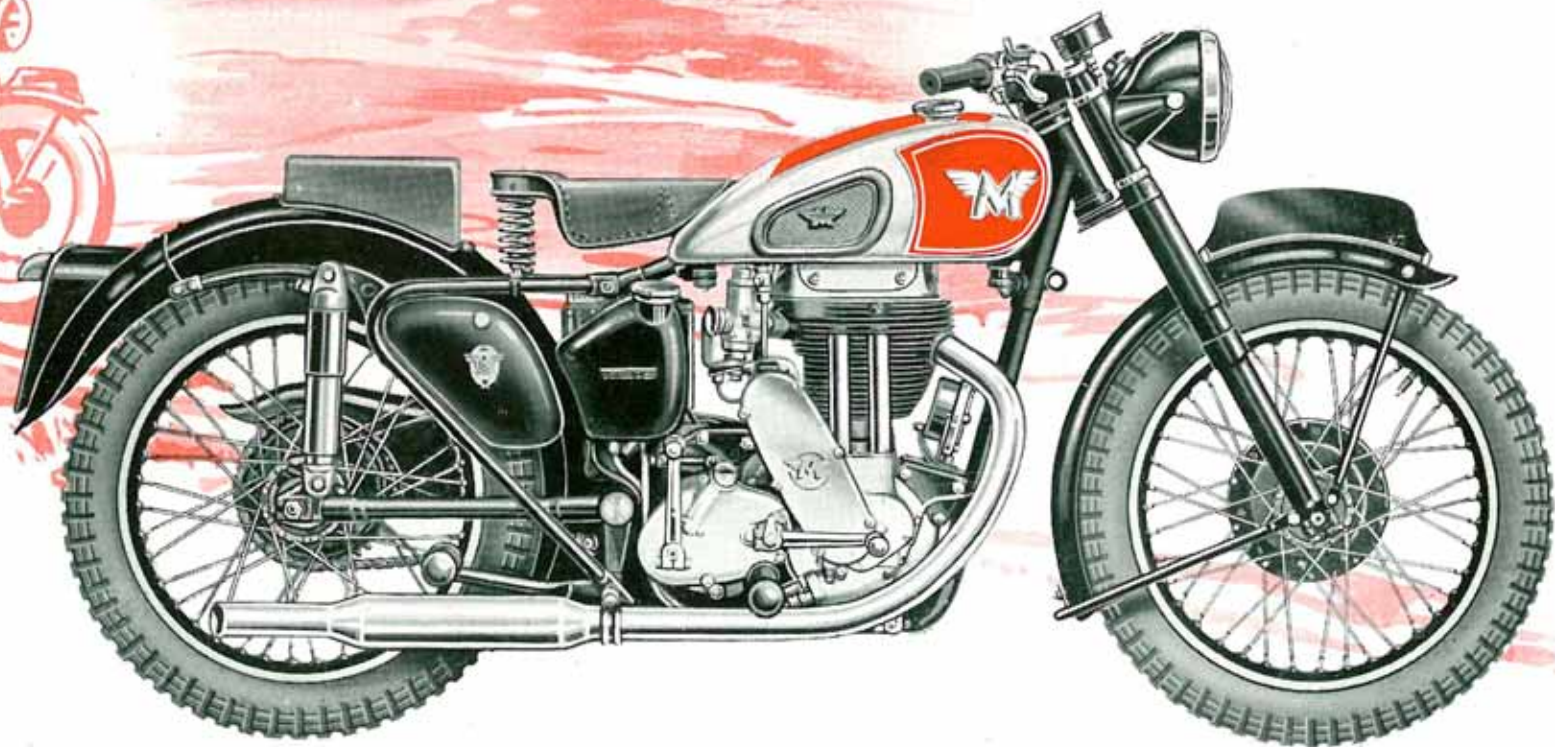
TYRES. G3/L 3.35" x 19" Front and Rear.
G80 3.25" x 19" Front and 3.50" x 19" Rear.

MUDGUARDS. Deep section steel guards, portion of rear guard quickly detachable for wheel accessibility.

ELECTRICAL EQUIPMENT. Magneto and dynamo driven by roller chains in oil bath cases. Large diameter headlamp with fluted domed glass and new type chromium-plated rear lamp of exclusive design. High frequency horn, constant voltage control, central battery and handlebar mounted dipper switch and horn button.

FINISH. Three thicknesses of best quality black stoved enamel on Bonderised surface. Exhaust pipe, handlebars, wheel rims, saddle springs, etc., heavily chromium plated. Fuel tank and wheel rims silver lined.

EQUIPMENT. Complete set of high quality tools, grease gun, tyre pump and comprehensive Instructional Manual.



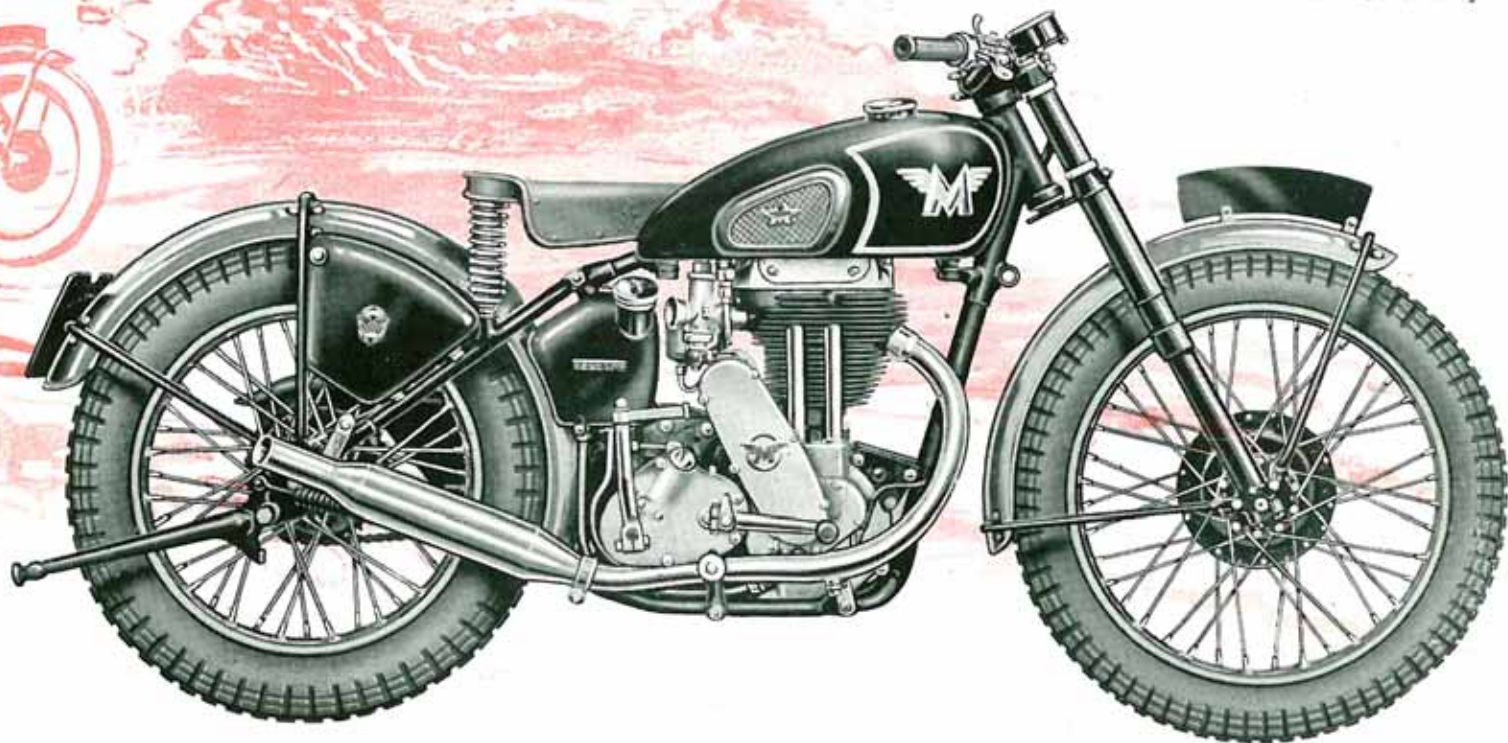
Clubman
SPRING FRAME MODEL

G3/LS 347 c.c. O.H.V.
G80/S 498 c.c. O.H.V.

Evolved with the object of providing rear wheel suspension to the front wheel standard provided by Teledraulic Forks, the efforts of the Matchless designer have been outstandingly successful.

The specification of the Spring Frame single-cylinder Models is basically the same as their rigid frame counterparts except for the frame which is as for the 498 c.c. Super Clubman.

★ In limited production for allocation to recommended riders only.



Specification

Gear Ratios 347 c.c. Model 6.5 8.4 13.7 and 20.8

498 c.c. Model 5.8 7.5 12.2 and 18.5

4.00" x 19" Rear Tyre, 3.00" x 21" Front Tyre.

Security bolts to both wheels, extra heavy gauge rear spokes, KE.805 rear wheel spindle, large clearance aluminium mudguards, 6½" ground clearance, extra strong saddle springs, folding kick-starter. Footrests mounted between frame tubes and engine plates, duplicated cables, carburettor shield.

NOTE.—Unless specified, the Competition Models are supplied less electrical equipment. A standard gear box, rear wheel and racing magneto are optional equipment.



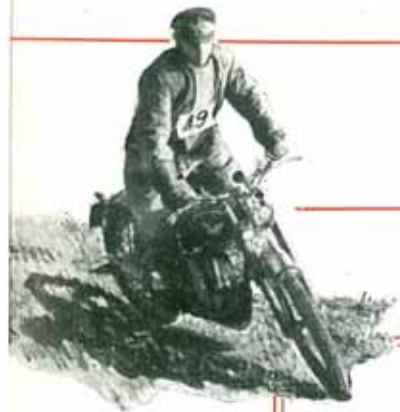
Competition MODEL

G3/L 347 c.c. O.H.V.

G80 498 c.c. O.H.V.

Matchless Data

| | G3/L | G3/LS | G3/LC | G80 | G80S | G80C | G9 |
|-----------------------------|----------|-----------|---------------------|---------------------|---------------------|---------------------|-------------------|
| Bore | 69 m.m. | 69 m.m. | 69 m.m. | 82.5 m.m. | 82.5 m.m. | 82.5 m.m. | 66 m.m. |
| Stroke | 93 m.m. | 93 m.m. | 93 m.m. | 93 m.m. | 93 m.m. | 93 m.m. | 72.8 m.m. |
| Capacity | 347 c.c. | 347 c.c. | 347 c.c. | 498 c.c. | 498 c.c. | 498 c.c. | 498 c.c. |
| Wheelbase | 54 ins. | 55½ ins. | 54 ins. | 54 ins. | 55½ ins. | 54 ins. | 55½ ins. |
| Saddle Height | 30 ins. | 30 ins. | 30½ ins. | 30 ins. | 30 ins. | 30½ ins. | 30 ins. |
| Ground Clearance | 5½ ins. | 5½ ins. | 6½ ins. | 5½ ins. | 5½ ins. | 6½ ins. | 5½ ins. |
| Brake dia. | 7 ins. | 7 ins. | 7 ins. | 7 ins. | 7 ins. | 7 ins. | 7 ins. |
| Petrol | 3 gall. | 3 gall. | 3 gall. | 3 gall. | 3 gall. | 3 gall. | 3 gall. |
| Oil | 4 pint | 4 pint | 3 pint | 4 pint | 4 pint | 3 pint | 4 pint |
| Rear Springing Travel... .. | — | 3 | — | — | 3 | — | 3 |
| Oil Content per Side | — | 45 c.c.'s | — | — | 45 c.c.'s | — | 45 c.c.'s |
| Weight | 342 lbs. | 380 lbs. | 298 lbs. | 354 lbs. | 390 lbs. | 308 lbs. | 400 lbs. |
| Fork Travel | 5 ins. | 5 ins. | 5 ins. | 5 ins. | 5 ins. | 5 ins. | 5 ins. |
| Light dia. | 7½ ins. | 7½ ins. | — | 7½ ins. | 7½ ins. | — | 7½ ins. |
| Fork Oil per side | 10 oz. | 10 oz. | 10 oz. | 10 oz. | 10 oz. | 10 oz. | 10 oz. |
| Compression on ratio | 6.35-1 | 6.35-1 | 5.88-1 with C.P. | 5.97-1 with C.P. | 5.97-1 with C.P. | 5.97-1 with C.P. | 7.25 with C.P. |
| | | | 6.35-1 no C.P. | 7.24-1 no C.P. | 7.24-1 no C.P. | 7.24-1 no C.P. | 8-1 no C.P. |
| Handlebar width | 28¼ ins. | 28¼ ins. | 28¼ ins. | 28¼ ins. | 28¼ ins. | 28¼ ins. | 28¼ ins. |
| Engine Sprocket | 18T | 18T | 16T | 21T | 21T | 18T | 21T |
| Gear Ratios | 1 15.5-1 | 1 15.5-1 | 20.8 | 13.4-1 | 13.4-1 | 18.5 | 13.4-1 |
| | 2 10.2-1 | 2 10.2-1 | 13.7-1 | 8.8-1 | 8.8-1 | 12.2-1 | 8.8-1 |
| | 3 7.5-1 | 3 7.5-1 | 8.4-1 | 6.4-1 | 6.4-1 | 7.5-1 | 6.4-1 |
| | 4 5.8-1 | 4 5.8-1 | 6.5-1 | 5.0-1 | 5.0-1 | 5.8-1 | 5.0-1 |
| Gearbox oil | 1 pint | 1 pint | 1 pint | 1 pint | 1 pint | 1 pint | 1 pint |



GUARANTEE

NOTICE We do not appoint agents for the sale on our behalf of our motorcycles or other goods, but we assign to Motorcycle Dealers areas in which we supply to such Dealers exclusively for re-sale in such areas. No such Dealer is authorised to transact any business, give any warranty, make any representation, or incur any liability on our behalf.

GUARANTEE We give the following guarantee with our motorcycles, motorcycle combinations and sidecars, which is given in place of any implied conditions, warranties or liabilities whatsoever, statutory or otherwise, all such implied conditions, warranties and liabilities being in all cases excluded. Any statement, description, condition or representation contained in any catalogue, advertisement, leaflet or other publication shall not be construed as enlarging, varying or overriding this guarantee. In the case of machines (a) which have been used for "hiring-out" purposes or (b) any motorcycle and/or sidecar used for any dirt track, cinder track or grass track racing or competitions (or any competition of any kind within an enclosure for which a charge is made for admission to take part in or view the competition), or (c) machines from which the trade mark, name or manufacturing number has been removed, no guarantee, condition or warranty of any kind is given or is to be implied.

We guarantee, subject to the conditions mentioned below, that all precautions which are usual and reasonable have been taken by us to secure excellence of materials and workmanship, but this guarantee is to extend and be in force for six months only from date of purchase, and damages for which we make ourselves responsible under this guarantee are limited to the free supply of a new part in exchange for the part of the motorcycle, motorcycle combination or sidecar which may have proved defective. We do not undertake to replace or refix, or bear the cost of replacing or refixing such new parts in the motorcycle, motorcycle combination or sidecar. We undertake, subject to the conditions mentioned below, to make good at any time within six months any defects in these respects. As motorcycles, motorcycle combinations and sidecars are easily liable to derangement by neglect or misuse, this guarantee does not apply to defects caused by wear and tear, misuse or neglect. The term "misuse" shall include amongst others the following acts:—

1. The attaching of a sidecar to a motorcycle in such a manner as to cause damage or calculated to render the latter unsafe when ridden.
2. The use of a motorcycle or of a motorcycle and sidecar combined, when

carrying more persons or a greater weight than that for which the machine was designed by the manufacturers.

3. The attaching of a sidecar to a motorcycle by any form of attachment not provided, supplied or approved by us, or to a motorcycle which is not designed for such use.

Any motorcycle, motorcycle combination or sidecar sent to us to be plated, enamelled or repaired will be repaired upon the following conditions, i.e., we guarantee that all precautions which are usual and reasonable have been taken by us to secure excellence of materials and workmanship, such guarantee to extend and be in force for three months only from the time such work shall have been executed or until the expiration of the six months above referred to, and this guarantee is in lieu and in exclusion of any common law or statute, warranty or condition, and the damages recoverable are limited to the cost of any further work which may be necessary to amend and make good the work found to be defective.

CONDITIONS OF GUARANTEE If a defective part should be found in our motorcycle, motorcycle combinations or sidecars, or in any part supplied by way of exchange before referred to, it must be sent to us CARRIAGE PAID, and accompanied by an intimation from the date of the purchase or the date when the alleged defective part was exchanged as the case may be.

Failing compliance with the above, such articles will lie here AT THE RISK OF THE OWNER, and this guarantee and any implied guarantee, warranty or condition shall not be enforceable.

We do not guarantee specialities such as tyres, saddles, chains, electrical equipment, lamps, etc., or any component parts supplied to the order of the Purchaser differing from standard specifications, supplied with our motorcycles, motorcycle combinations, sidecars, or otherwise.

LIST OF OPTIONAL EQUIPMENT Detachable Luggage Carrier.
80 m.p.h. Speedometer
120 m.p.h. Speedometer. Mudguard type Pillion Seat with Pillion Footrests.