



**BSA**

THE MOST POPULAR MOTOR CYCLE  
IN THE WORLD

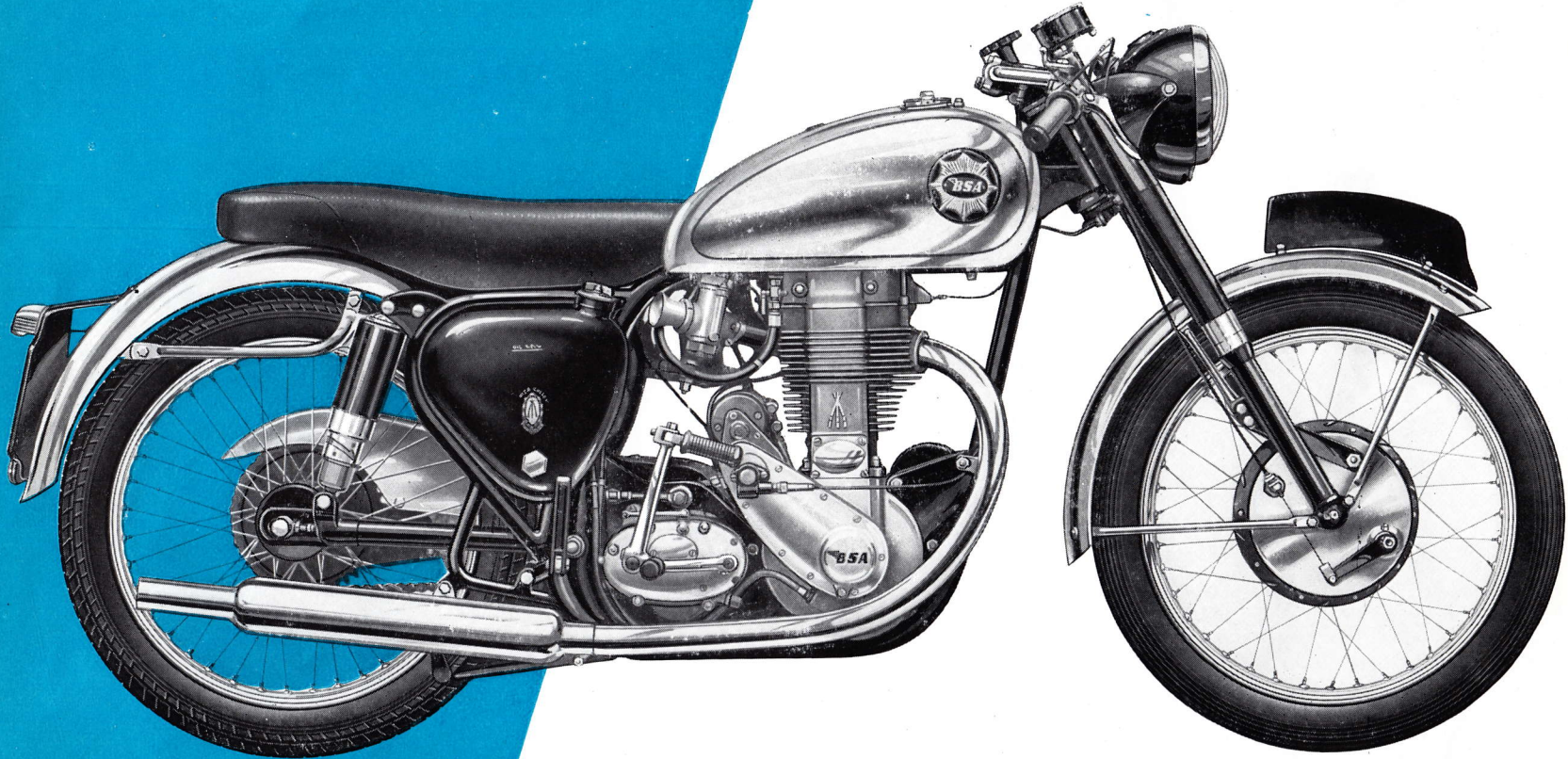
French rider Godey,  
350 Moto Cross  
Champion of  
France, on a  
B.S.A. Gold  
Star.

**GOLD STAR MODELS**

OVERSEAS EDITION



***BSA* GOLD STAR Models**





## 350 c.c. O.H.V. Model B 32 Gold Star

## 500 c.c. O.H.V. Model B 34 Gold Star

**ENGINE.** Model B 32, 71 x 88 mm. bore and stroke (348 c.c.); Model B 34, 85 x 88 mm. bore and stroke (499 c.c.); re-designed to give modified connecting rod/crank ratio; strengthened crankcase and heavy duty main bearings; aluminium alloy cylinder barrel with wear-resisting alloy iron liner; aluminium alloy cylinder head with valve seat inserts and stellite tipped high duty valves; specially adjusted light-weight valve actuating mechanism; polished flywheels and connecting rod; reinforced crankpin; cams, valve springs, etc., to suit specified compression ratio; Amal 10 T.T. 9, R.N. carburetter of suitable bore, with remote mounted float chamber if required, and heat-resisting distance piece; G.P. carburetter available as an extra; improved breather; rev-counter drive from timing case; engine specially tuned and bench tested.

**LUBRICATION.** Dry sump lubrication with double gear pump; large bore oil pipes; oil tank capacity 6 pints and fitted with a specially-designed breather; primary chain oil bath; gearbox lubrication by oil and other parts by grease gun.

**TRANSMISSION.** Engine shaft cush drive; front chain  $\frac{1}{2}$  in. x .305 in. in oil bath; rear chain  $\frac{5}{8}$  in. x  $\frac{1}{4}$  in.; B.S.A. multi plate dry clutch with oil resisting fabric surfaces; B.S.A. four-speed gearbox with special frictionless bearings; enclosed clutch operation; positive-stop foot gear-change; close ratio gears; alternative gear ratios to suit requirements; gear-change pedal can be fitted in the rearward position with internal mechanism modified to give the standard movement; engine shaft sprocket to suit requirements; 16T. to 23T inclusive; gearbox sprocket 16T, 19T or 20T; 43T or 44T clutch sprocket.

**FRAME.** Tubular frame of all welded construction; central stand; steering damper; additional rear footrest position;

crankcase shield optional; 2 or 4 gallon petrol tank with breather, optional.

**SUSPENSION.** Front suspension by B.S.A. telescopic forks with automatic hydraulic damping; rear suspension by totally enclosed hydraulically damped main and rebound spring units in conjunction with swinging arm rear wheel cradle.

**WHEELS.** Fitted with Dunlop tyres, front 3.00—21 ribbed racing, Sports or Universal or 2.75—21 Trials Universal; rear, B 32 3.25—19, B 34 3.50—19 Directional Pattern; or 400—19 Trials Universal, Universal or Sports; alternative sizes: 3.00—19 front; 3.25—18 or 3.50—18, rear; both wheels quickly detachable; 8 in. diameter front brake and 7 in. diameter rear brake, both with finger adjustment; 7 in. diameter front brake on trials and scrambles models; steel rims standard, light alloy rims extra.

**CONTROLS.** Adjustable handlebars; twist grip throttle control, front brake and air lever on right bar; clutch, ignition and exhaust lifter on left bar. Clip-on handlebars extra.

**EQUIPMENT.** Lucas Magdyno lighting set or Lucas or B.T.H. racing magneto optional; B.S.A. Dualseat; tool kit; tyre inflator; licence holder; rev-counter or speedometer optional. Special racing seat extra.

**FINISH.** Handlebars, stays, exhaust system, wheel rims, mudguards, etc., chromium-plated; frame finished in black enamel; silver tank with chromium panels and special Gold Star badge.



For alternative specifications see page 4.

Basil Hall takes off on his B.S.A. Gold Star during the 1983 Cotswold Scramble.





## Alternative Specifications B.S.A. Gold Star Models

The B.S.A. Gold Star enjoys the highest reputation in sporting circles all over the world, and its outstanding successes in competitive events have made it supreme in its class. Available in two capacities, 350 c.c. and 500 c.c., it is offered with a wide diversity of specifications as detailed below. The purchaser of a B.S.A. Gold Star can thus obtain a specification exactly suited to his needs, and can alter the specification by selecting suitable items from the range of pistons, cams, gears, etc., which are available.

SPEC. MODEL	TOURING		SCRAMBLES		ROAD RACING		CLUBMANS	
	B. 32	B. 34	B. 32	B. 34	B. 32	B. 34	B. 32	B. 34
Frame	Swinging Arm		Swinging Arm		Swinging Arm		Swinging Arm	
Piston	65-1616 with .010 plate	65-1467	65-1674	65-1532	65-1674 with .012 plate	65-1532 with $\frac{1}{16}$ " plate	65-1674 with .012 plate	65-1285
Comp. Ratio	7.8 : 1	7.5 : 1	9 : 1	8.75 : 1	9 : 1	8.4 : 1	8.75 : 1	8 : 1
Carburettor	Amal $1\frac{3}{32}$ " TT 10	Amal $1\frac{5}{32}$ " TT 10	Amal $1\frac{3}{32}$ " TT 10	Amal $1\frac{5}{32}$ " TT 10	Amal $1\frac{3}{32}$ " R.N. or G.P.	Amal $1\frac{3}{16}$ " R.N. or G.P.	Amal $1\frac{3}{32}$ " R.N. or G.P.	Amal $1\frac{3}{16}$ " R.N. or G.P.
Ignition	Magdyno		Magneto		Magneto		Magdyno	
Oil	Mineral		Mineral		Castor Base		Castor Base	
Oil Tank Capacity	6 pints		6 pints		6 pints		6 pints	
Instruments	Speedometer		Speedometer		Rev. Counter		Rev. Counter	
Exhaust System	Downswept with silencer		Downswept straight through with extension piece		Downswept with megaphone		Downswept with silencer and extension piece	
Gear Ratios	5.6, 6.77, 9.86, 14.42	5.0, 6.05, 8.79, 12.9	7.72, 10.19, 13.54, 18.08	7.26, 9.62, 12.73, 17.0	5.28, 5.8, 7.0, 10.15	4.52, 4.96, 5.99, 8.71	5.28, 5.8, 7.0, 10.15	4.52, 4.96, 5.99, 8.71
Eng. Sprocket	17 teeth		16 teeth		18 teeth		18 teeth	
Gearbox Sprocket	19 teeth		16 teeth		19 teeth		19 teeth	
Brakes	8" Front	7" rear	7" Front	7" Rear	8" Front	7" Rear	8" Front	7" Rear
Tyres	Dunlop Universal		Dunlop Sports		Dunlop Racing		Dunlop Racing	
	Front : 3.00 x 21 or 3.00 x 19		Front : 3.00 x 21		Front : 3.00 x 21 or 3.00 x 19		Front : 3.00 x 21 or 3.00 x 19	
	Rear : 3.25 x 19 or 3.50 x 19		Rear : 4.00 x 19		Rear : 3.25 x 19   Rear : 3.50 x 19		Rear : 3.25 x 19   Rear : 3.50 x 19	
Petrol Tank	4 gallons		2 gallons		4 gallons		4 gallons	
Saddle or Dualseat	Dualseat		Dualseat		Dualseat		Dualseat	
Footrest and Brake Pedal	Standard		Scramble Pattern		Racing Pattern		Racing Pattern	
Handlebars	Standard		Standard		Racing		Racing	
Lighting	Magdyno		Not fitted		Not fitted		Magdyno	

- Extras: On Road Racing and Clubman Models, speedometers, alloy rims and G.P. Carburettors can be fitted at extra charge.  
On Touring and Scramble Models, Rev. Counter can be fitted at extra charge.
- Note: On Road Racing and Clubman Models, remote mounted float chambers are fitted without extra charge.  
On those models without Magdyno, Lucas or B.T.H. Magnets are optional.

B.S.A. Motor Cycles Ltd., Birmingham 11, England.

B.S.A. Motor Cycles Limited, Birmingham, England, reserve the right to alter designs or any constructional details of their manufactures at any time without giving notice.