

BSA
THE MOST POPULAR MOTOR CYCLE
IN THE WORLD

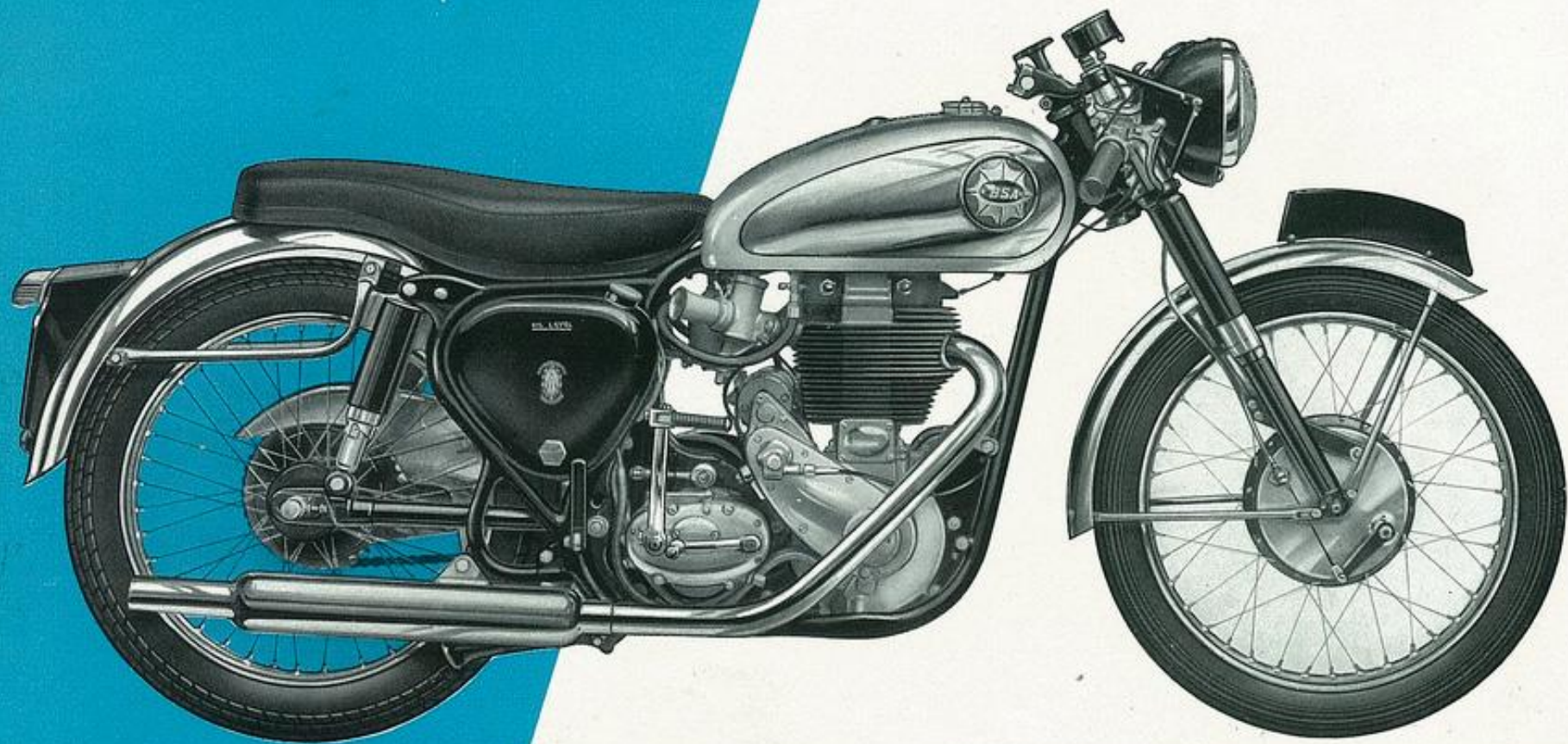
French rider Godey,
350 Moto Cross
Champion of
France, on a
B.S.A. Gold
Star.



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 lightweight valve actuating mechanism; polished flywheels and connecting rod; reinforced crankpin; cams, valve springs, etc., to suit specified compression ratio; Amal carburettor of suitable type and bore; 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 4.00—19 Trials Universal, Universal or Sports; alternative sizes: 3.00—19 front. Highly efficient brakes with iron rubbing surfaces featuring light alloy subsidiary construction. Sizes: front 8 in., or 7 in.; rear 7 in.

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

EQUIPMENT. Lucas Magdyno lighting set or Lucas or B.T.H. racing magneto optional; B.S.A. Dualseat; tool kit; tyre inflater; 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 over.

Phil Nex, star of International and British scrambles, tops a hill well in front of the field to win the Hants Grand National.

Photograph by
The Motor Cycle



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.

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	65-1921	65-1930	65-2287	65-2300	65-2554	65-2307	65-2554	65-2307
Comp. Ratio	7.25 : 1	7.25 : 1	9 : 1	9 : 1	8 : 1	8 : 1	8 : 1	8 : 1
Carburettor	Amal 1 $\frac{3}{32}$ "	Amal 1 $\frac{3}{32}$ "	Amal 1 $\frac{1}{16}$ "	Amal 1 $\frac{1}{8}$ "	Amal 1 $\frac{3}{32}$ "	Amal 1 $\frac{7}{32}$ "	Amal 1 $\frac{3}{32}$ "	Amal 1 $\frac{7}{32}$ "
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				Rev. Counter		Rev. Counter	
Exhaust System	Downswept with silencer		Downswept straight through		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	7.73, 10.24, 13.56, 18.11	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	19 teeth	16 teeth	17 teeth	18 teeth	21 teeth	18 teeth	21 teeth
Gearbox Sprocket	19 teeth		16 teeth		19 teeth		19 teeth	
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 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. Magnetos are optional.

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