Catalogue BSA 1950 anglais





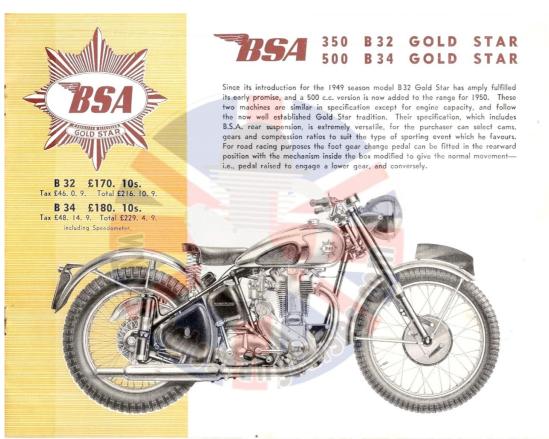














GOLDEN FLASH 650 Twin Model A 10 £152. Tax £41. 0. 10. Total £193. 0. 10. Spring Frame extra

The New B.S.A. Golden Flash embodies a number of attractive design features which make it the outstanding machine for 1950. The completely new engine has a remarkable performance throughout its entire speed range. At the same, time it is of lesible and the machine so versatile that it provides an unprecedented sidecap repformance, and will satisfy the most ardeal fighty-peed sole enthusiast.

that it provides an unprecedented sidecar performance, and will satis ENGINE. Vertical Twin O.H.V. 70 mm, bore by 84 mm, stroke; 646 c.c. Forged steel cranktheff with integral bobweights and bolted-on central flywheel. Roller journal bearing on drive-side mainshaft. Plain bearing big-ands with indium-flashed lead-bronce liners. Plain bearing for mainshaft timing side. Forged light alloy connecting rods; low expansion aluminium silicon alloy pistons. Twin cylinders cast in single unit with specially cored air passages. Unit cylinder head-casting with narrow angle valves, two per cylinder, operating in shellow combustion chambers specially developed for maximum efficiency. Overhead rockers operated by push rods from single cambaft at rear with large car-type tappets. Cambaft gear-driven from engine-shaft through idler pinion, and incorporating timed mechanical breather. Absorption type silencers.

Absorption type silencers.

LUBRICATION SYSTEM. Engine lubricated by dry-tump system with twin gear-type pump, driven by skew gear from engine shaft; pressure food to fining-side main Bearing and big-ends, with by-pass oil pressure release. Pressure feed to everhead recker spindles. Camshaft operates in specially-designed oil frought. Capacity of oil-lant-Four Imperial prints.

INDUCTION SYSTEM. Bifurcated inlet manifold cast in cylinder heads, Amal curburetlets, large capacity builtin air cleaner, mounted on sent tube between oil fank and battery.

IGNITION. Lucas magneto, gear driven from camshaft with automatic

advance.

TRANSMISSION. Primary drive from engine by §" duplex roller chain, running in cast eluminum oil-bath chaincase. Chain tension chain cast eluminum oil-bath chaincase. Chain tension chain chaincase chain chai

GEARBOX. B.S.A. four-speed constant mesh gearbox with built-in positive stop foot change.

positive stop foot change.

FRAME. Dupler triangulated cradle of ample strength for solo or sidecar work. All frame lugs including those for sidecar and pillion footrests are of forged steel. B.S.A. telescopic front forts with automatic progressive hydraulic damming. Wheels quickly detachable, front with 8" brake, rear of straight spoke type with 7" brake: Dunlop tyres, front 3.25-19, rear 3.50-19. Petrol tank, capacity 4½ Imperial gallons: adjustable handlebar; generous mudguards; fail portion of rear guard detachable for easy wheel removal; spring-up central stand; adjustable footrests.

EQUIPMENT. Adjustable apring-seat saddle: Lucas 6, volt c.v.c. lighting set with seeled-beam headlamp and high frequency electric horr; metal toolbox under seat tube with complete toolkit; tyre pump; rubber knee-grips

CONTROLS. On left handlebar, clutch lever and headlamp dip-switch; on right handlebar, front brake, air lever and horn button; ignition cut-out button on nearticle back stay; rear brake operated by left toe podal; kickstarter and gear-change podals on right. Twin potrol taps at rear of tank, both with reserve levers. Finger adjustment for brakes and clutch controls.

and clutch controls.

FINISH, All bright parts including the exhaust system heavily chromium plated; frame, mudgavards, etc., lustrous black enamel; petrol tank, black and chrome with distinctive motif; wheel rims chrome with black centres; polished front chain case, geatox cover, trining cover.

Finished in beige and chromium as illustrated, extra.



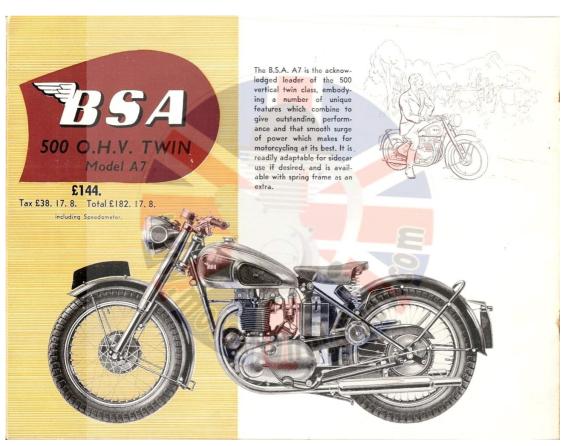




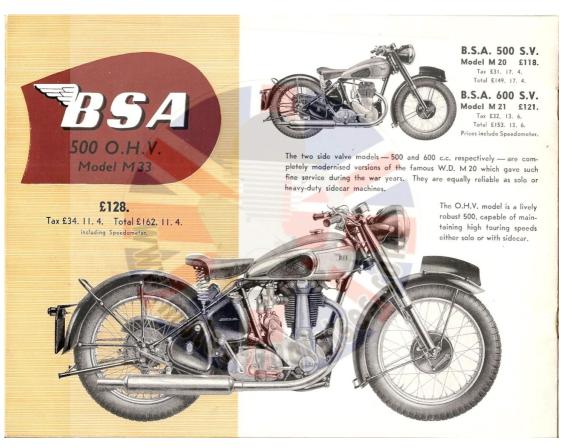
The low-expansion alloy piston with duplex oil control grooves, and slightly concave crown for most efficient combustion.



The new 8-in, front brake with super-ribbed shoes for smooth, efficient, straightline stops.









General Specification

ENGINE. Air cooled with cast iron cylinder barrel and head (aluminium alloy for Gold Star models and aluminium alloy head on D I and C IO); high tensile steel connecting rod. Big-end-moller bearing except on A models, which have indium-lead-bronze plain bearings. Main bearings—plain timing side on A 7 and C models; Ball and/or roller bearings on drive side on all models, and on timing side on remainder of range. Gear driven timing gear; tappets on A models operated by a single camshaft at rear of engine, Stellite-tipped valves standard on A 7 Star Twin, A IO and Gold Star models. Amal carburetter (with built-in air cleaner on models A7 and A IO); twin carburetters with gauze intake traps on A7 Star Twin.

traps on A7 Star Twin.

LUBRICATION. (Except D I). Dry sump system with separate oil tank under saddle and double gear pump. Model D I, petroil system.

IGNITION. Coil ignition with car-type distributor incorporating automatic advance on C models, Magdyno on B and M models, magneto with automatic advance on A models. Wico-Pacy flywheel magneto-generator on D I or coil ignition with Lucas A.C. generator set (extra) if specified. TRANSMISSION. Three-speed gearbox on D and C models;

four speeds on others; all with positive stop foot gear change; oil bath primary chain drive.

FRAME. Sidecar lugs on M and A models; 8 in. front brake on Gold Star and A 10 models; Rear suspension with quickly detachable rear wheel on Gold Star models and A 7 Star Twin, extra on other B and A models; quickly detachable rear wheel on A 7 and A 10; spring-up stand (rear on M models, central on other models).

models, central on other models).

EQUIPMENT. Lucas 6-volt 60 watt lighting (except D I: see ignition) with separate dynamo on C and A models, magdyno on others; compensated voltage control; sealed beam headlamp: electric horn (extra on model D I); toolkit; tyre inflator; licence holder.

FINISH. Pastel green and chromium on D I; Matt silver and chromium on C I0 and C II; Tank and wheels blue and chromium on C I1 de Luxe; green and chromium on B 32 Competition. Red and chromium on B 34 Competition and A 7 (alternative black and chromium on A 7). Silver and chromium on B 31, B 33, M 33, Gold Star and Star Twin models. Silver tank and black wheels on M 20 and M 21. Black and chromium on A 10. Chromium guards on Competition and Gold Star models.

EXTRAS

EXTRAS

SPRING FRAME: On Models A 7 and A 10, £10 plus £2. 14s. tax. On Model B 31, B 33; also B 32 and B 34 with downswept pipes only, £12. 10s. plus £3, 7. 6. tax. SPRING FRAME AND A.C. GENERATOR SET: On Model D II Bantam, Spring Frame £5, plus £1. 7s. tax. Lucas A.C. Generator Set (with electric horn), £6 plus £1. 12. 5. tax. ALLOY ENGINE: On models B 32 and B 34, £10 plus £2. 14s. tax. ELECTRIC HORN: Operated by dry battery on Model D II with Wicco-Pacy equipment, 18/6 plus ½-/ tax. LEGSHIELDS: On Model D I, £2 plus 10/10 tax. On Models £10 and £11, £3, 15s, plus £1. 0, 3. tax. PILLION SEAT OR CARRIER: On all models except D I, £1. Is. plus 5/8 tax. FOLDING PILLION FOOTRESTS: On all models, except D I, £1. 15/- plus 4/1 tax. COLOUR FINISH: Green and Chromium, B 31; Devon Red and Chromium B 33—51 plus 5/5 tax. AB41 Silver and Chromium, M 20 and M 21, £2. Us. plus 13/6 tax. Beige and Chromium and 10, £3 plus 16/3 tax. Special 2-gallon petrol tank on Competition models B 32 and B 34, £1 extra plus 5/5 tax.

Technical Data

Model (Standard Specification)	DI	DI Comp	CIO	CII	B31	B32	Gold Star	B33	B34	Gold Star	M20	M21	M33	A7	A7 S.T.	A 10 Golden Flash
Valve Arrangement	- 2-stroke	2-stroke	s.v.	O.H.V.	O.H.V	O.H.V.	O.H.V.	O.H.V.	O.H.V.	O.H.V.	s.v.	s.v.	O.H.V.	O.H.V.	O.H.V.	O.H.V.
No. of Cylinders	- I	4	- 1	- 1	1	1	1	- 1	1	1	1	1	1	2	2	2
Bore (mm.)	- 52	52	63	63	71	71	71	85	85	85	82	82	85	62	62	70
Stroke (mm.)	- 58	58	80	80	88	88	- 88	88	88	88	94	112	88	82	82	84
Capacity (c.c.)	- 123	123	249	249	348	348	348	499	499	499	496	591	499	495	495	646
Compression Ratio			5-1	6.5-1	65-1	6.5-1	+	6.8-1	6.8-1	+	4.9-1	5-1	6.8-1	6.6-1	7.0-1	6.5-1
Gear Ratios (Solo)—	_														1,10	0.0
Top		_	_	_	5.6	7.1	:	5.0	5.6	1	5.3	4.8	4.8	5.1	5.1	4.4
Third	- 7.0	8.65	6.6	6.6	7.4	9.3		6.6	7.4		7.0	6.3	6.3	6.2	6.2	5.4
Second	- 11.7	14.5	9.8	9.8	11.5	14.5		10.3	11.6		10.9	9.8	9.8	9.0	9.0	7.8
First	- 22.0	27.1	14.5	14.5	16.7	21.1		14.9	16.8		15.8	14.2	14.2	13.2	13.2	11.4
Gear Ratios (Sidecar)-											10.0	1 112	11.2	13.2	13.4	11.4
Top		-	500	_	-	_					5.9	5.9	5.6	5.4	5.4	5.2
Third	-	_	-	_	_	_	7		_		7.8	7.8	7.4	6.6	6.6	6.3
Second		_		-	-						12.2	12.2	11.5	9.5	9.5	9.1
First		_	40	_	-	_	-		100		17.7	17.7	16.7	14.0	14.0	13.3
Front Tyre	- 2.75-19	2.75-19	3.00-19	3.00-20	3.25-19	2.75-21	2.75-21	3.25-19	2.75-21	2.75-21	3.25-19	3.25-19	3.25-19	3.25-19	3.25-19	3.25-19
Rear Tyre	- 2.75-19	3.25-19	3.00-19	3.00-20	3.25-19	4.00-19	4.00-19	3.50-19	4.00-19	4.00-19	3.25-19	3.50-19	3.50-19	3.50-19	3.50-19	3.50-19
Front Chain (ins.)	- Pitch	≩ Pitch	4 x .305	↓ × .305	⅓ × .305	÷ × .305	+ × .305	↓×.305	↓ x .305	4 × .305	↓ × .305	4 × .305				
Rear Chain (ins.)	Pitch	4 Pitch	+ × .305	4 x .305	1×1	1×1	1×1	ixi	1×1	i × i	1×1	1×1	1 × ±	1×1	2 × 2	ixi
Brake Diameters (ins.) -	- 5	5	54	54	7	7	F8 R7***	7	7	F8R7***	7	7	7	7	7	F8 R7
Saddle Height (ins.)	- 27	29	28	28‡	301	314	314	301	314	314	304	304	304	30	30	30
Overall Length (ins.)	- 77	77	804	108	82	82	834	82	82	834	85	85	85	83	84	84
Overall Height (ins.)	383	381	39	394	40	41	41	40	41	41	391	391	394	404	40+	401
Overall Width (ins.)	- 261	261	28	28	28	28	28	28	28	28	28	28	28	28	28	28
Ground Clearance (ins.) -	- 43	41	44	5	5	61	61	5	61	61	5	51	54	41	41	41
Weight (lbs.)	- 10 * 153	**166	270	284	343	*320	*325	354	*330	335	369	370	372	369	382	375
Petrol Tank Capacity (galls.)	- 13	13	2+	24	3	3	3	3	3	3	3	370	3/2	307	34	41
Oil Tank Capacity (pints) -		_	4	4	4	4	5	4	4	5	5	5 .	5	3	4	4

on Ratios for B32 Gold Star:--6.5, 7.5, 8.8, 12.5 to 1. B34 Gold Star:--6.8, 7.5, 8.5, 11.1 to 1.

· Weights stripped for trials, etc.

Gear Ratios:-			1	B32 Gold	Star		B34 Gold Star				
				Тор	Third	Second	First	Тор	Third	Second	First
Touring -	1/4	h		5.6	7.4	11.5	16.7	5.0	6.6	10.3	14.9
Trials -	18	10-7		7.06	9.3	14.5	21.1	5.64	7.44	11.6	16.8
Scrambles -	St. A	2	14	7.06	9.3	12.15	17.44	6.63	8.74	11.4	16.4
Road Racing		1	941	5.3	5.8	6.9	9.9	4.75	5.2	6.2	8.9

vice of engine and gearbox sprocess**

*** 7-in, front brave

\$ Figures for these are approximate. kets is available giving a wide range of overall ratios to suit require

*** 7-in, front brake fitted for Trials and Scrambles.

Copy of B.S.A. Motor Cycle and Sidecar Guarantee

which is given by B.S.A. Cycles Ltd. to Dealers in B.S.A. Motor Cycles and Sidecars

which is given by B.S.A. Cycles Ltd. to De

Every motor cycle and/or sidecar which is sold by us carries the following
express agreements, which take the place of and exclude all conditions,
warranties, and lightlittes whatsever which exist either by Common Law,
statute or otherwise. Any statement, description, condition, or representation contained in any catalogue, advertisement, leaflet, or other publication,
shall not be construed as enlarging, varying or overriding these.

1. We give no guarantee as to performance, quality, or liness for any
particular purpose. Should any defect be alleged in material or workmanship within six calendar monits after purchase of a motor-cycle or sidecar
from us or our accredited Declers we undertake, on the immediate return
of the part which is alleged to be defective to our Works, carriage poid,
within such period to examine the same, and should any fault be found
by us on examination to be solely due to defective material or workmanship within a such a first of the same, and should any fault be found
by us on examination to be solely due to defective material or workmantheoreal chair the defective part or supply a few part in the place
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2. This guarantee as to material or workmanship does not extend to (1) a
second-hand motor cycle and/or sidecar, or (2) to a motor cycle and/or
sidecar which has been used for 'hintyn-out' purposes, or any motor cycle
cand/or sidecar used for any dirt track, cinder track, or
grass frack facing or competitions for any competition of
cross frack facing or competitions for any competition, and
and the solution of attachment not provided, supplied or
approved by us, or (5) to a motor cycle to which has been attached a sidecar
by any form of attachment not provided, supplied or
approved by us, or (5) to a motor cycle to which has been attached a si

the same date as, the guarantee given under Cause 1, on the diorestate implied conditions, liabilities, and warranties being excluded.

6. When returning machine for repairs all accessories should be removed. This guarantee shall not apply to any parts of a motor cycle or sidecar which are not manufactured by us and all conditions, warranties, and itshifties whatsoever implied either by Common Law, statute or otherwise for the property of the manufacturer of such parts as shall not have been made by us.

PROPRIETARY INSTRUMENTS, FITTINGS AND ACCESSORIES.— No expense is spared to secure as slandard equipment the most suitable and highest quality instruments and accessories. Nevertheless, the Company's guarantee does not cover such parts, and in the event of trouble being experienced the parts in question should be returned to and claims made direct on the actual manufacturers, who will deal with them on the terms of their respective quarantees, as follows.—Tyres: Dunlop Rubber Co. Ltd., Fort Dunlop, Birmingham, Speedometer, Smitherner Joseph Lucas Ltd., Gratel West Road, Brentford, Middlesex.

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