

# BSA SERVICE SHEET No. 511

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## MODELS D1 AND D3 WORKSHOP DATA

All Dimensions in Inches, finished size

	Max.	Min.
Cylinder bore D1 ... ..	2.048	2.047
Cylinder bore D3 ... ..	2.245	2.244
Con Rod little end bore ... ..	.4693	.469
Con Rod big end bore ... ..	1.3487	1.3484
Crankpin diameter ... ..	.7968	.7965
Chainwheel bush ... ..	.8135	.8125
Primary Drive Gear bore ... ..	.501	.500
Mainshaft diameter ... ..	.499	.498
Layshaft Bush bore ... ..	.501	.500
Layshaft Bearing diameter ... ..	.4995	.4990
Kickstart Spindle diameter (large) ... ..	.7793	.7788
Bore for Kickstart Spindle in Primary Chain Cover ... ..	.7815	.7805
Kickstart Sleeve diameter (small) ... ..	.6858	.6853
Bore in Crankcase for Kickstart Sleeve ... ..	.688	.687
Gear Change Shaft diameter (outer end) ... ..	.497	.496
Kickstart Sleeve bore ... ..	.5005	.4995
Gear Change Shaft diameter (inner end) ... ..	.499	.498
Bore in Crankcase for Gear Change Shaft ... ..	.5005	.4995
Bore in Crankcase for Gear Indicator Spindle ... ..	.502	.500
Kickstart Ratchet Pinion bore ... ..	1.063	1.062
Chainwheel Bearing diameter for Ratchet Pinion ... ..	1.060	1.059
Layshaft Bearing diameter for 32 Tooth Gear ... ..	.5935	.593

## BEARINGS

Location	Crankshaft (2)	Crankshaft (1)	Gearbox	Gearbox Mainshaft
B.S.A. Part No. ... ..	89 3023	90 10	90 12	90 11
Hoffman No. ... ..	LS.8	117	S.9	LS.7
Skelco No. ... ..	RLS.6	6203	EE.8	RLS.5
Ransome & Marles No. ... ..	L.J.3/4	L.J.17	KL.N.J $\frac{1}{8}$ "	L.J. $\frac{1}{8}$ "
British Timkin No. ... ..	...	...	...	...
Fischer No. ... ..	LS.8	6203	EE.8	LS.7

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