

Valves—continued

Valve length—Inlet and exhaust	3.194 in. (81.12 mm)
Valve spring—Type	Single
—Retention	Cup and split cotters
—Fitted length (Saloon & Van)	1.18 in. (29.9 mm)
—Load fitted (Saloon & Van)	31 lbs. (14 kgs)
—Fitted length (Sport Saloon)—inner and	outer	1.180 in. (29.97 mm)
—Load fitted (Sport Saloon)—outer	32.6/29.4 lb. (14.8/13.3 kg)
—inner	16.5 lb. (7.5 kg)
Valve guides—Outside diameter502/.501 in. (12.75/12.72 mm)
—Length (exhaust)	1.525 in. (38.72 mm)
—Length (inlet)	1.463 in. (37.16 mm)
—Length (inlet and exhaust)	1.463 in. (37.16 mm)
—Interference fit002/.0008 in. (.05/.02 mm)
—Fitted height above head (exhaust)45 (11.4 mm)
—Fitted height above head (inlet)39 in. (9.9 mm)

} Saloon and Van engine

} Sport engine

TIMING CHAIN

Type	Single-row roller
Pitch375 in. (9.5 mm) x 82 links
Roller diameter25 in. (6.3 mm)
Width225 in. (5.71 mm)

CAMSHAFT (for torque loading figures see table at end of section)

Position	Overhead
Number and type of bearings	3; steel shell white metal lined
Journal diameters—front, centre, rear9375/.9370 in. (23.81/23.79 mm)
Bearing internal diameters—front, centre, rear9395/.9375 in. (23.86/23.81 mm)
Bearing running clearance002/.0005 in. (.05/.01 mm)
End float007/.002 in. (.17/.05 mm)

CRANKSHAFT (for torque loading figures see table at end of section)

Balance	Integrally forged counterweights
Number and type of bearings	3; steel shell lead bronze, lead indium overlay
Diameter of main journals	1.875 in. (47.62 mm)
Diameter of crankpin	1.625 in. (41.27 mm)
Undersizes—main journals and crankpin	—.020/.040 in. (.50/1.01 mm)
End thrust	Washer on centre bearing
End thrust—oversize	+.005 in. (.12 mm)
End float002/.01 in. (.05/.25 mm)
Main bearing running clearance0027/.001 in. (.067/.025 mm)
Big end running clearance0027/.001 in. (.067/.025 mm)

CONNECTING ROD (for torque loading figures see table at end of section)

Material	Steel forging
Type	"H" section
Big end bearings	Steel shell lead bronze, lead indium overlay
Big end bore (without bearings)	1.771/1.7705 in. (44.98/44.97 mm)
Big end, end float005 in. (.12 mm) minimum
Small end bearings	Bushed
Small end bore (bushed)—High grade6252/.6251 in. (15.880/15.877 mm)
—Low grade6251/.6250 in. (15.877/15.875 mm)