



J2 TECHNICAL ARTICLE

Number 3

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From Octagon Heaven
Data from The MG Workshop Manual
by W.E. Blower

ENGINE SPECIFICATIONS - PART I.

Bearing Measurements (standard)

Cranpin Bearing--

Dia. 1.5015" Max. 1.501" Min.
Width 1.12" +.000" -.001
Radius .13 Max .12 Min.

Front Main Bearing --

Ball Bearing, no data given

Rear Main Bearing --

Dia. 1 3/4 +.0015 + .001 (note it is ++ and not +-)
Width 1 13/16 + .015 -.015
Radius 1/32

CRANKSHAFT MEASUREMENTS (standard)

Crankpin Journal --

Dia. 1.5" -.0005 -.0011 (note it is -- and not +-)
Width 1 1/8" +.002 -.0005
Radius .11 max .10 Min.

Front Main Journal --

Ball Bearing P 239/107

Rear Main Journal --

Dia. 1 3/4" -.00045 -.0011 (note it is -- and not +-)
Width 1 29/32" +.005 - .005
Radius 1/10"

Adjusting Rockers

Clearance should be set at not less than .004" on inlet and exhaust valves
Correct valve clearance on J2 is .006"

Ignition Timing

Set ignition timing at 20° B.T.D.C.
Points clearance should be .015" to .020"

Crankshaft Comments from book

"It is strongly recommended that the shaft should not be reground owing to the fact that regrinding the journals to a smaller diameter weakens the structure and related balance of the crankshaft."