

**Main bearing journals**

Diameter, standard	49.984—50.000 mm (1.9679—1.9685")
0.300 mm undersize	49.684—49.700 mm (1.9560—1.9567")
0.600 mm undersize	49.384—49.400 mm (1.9442—1.9449")

**Main bearing shells**

Thickness, standard	1.730—1.737 mm (0.0681—0.0684")
0.300 mm oversize	2.030—2.037 mm (0.0800—0.0802")
0.600 mm oversize	2.330—2.337 mm (0.0917—0.0920")

**Connecting rod journals**

Diameter, standard	49.984—50.000 mm (1.9679—1.9685")
0.300 mm undersize	49.684—49.700 mm (1.9560—1.9567")
0.600 mm undersize	49.384—49.400 mm (1.9442—1.9449")

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**Connecting rods**

End play at crankshaft	0.25—0.50 mm (0.0100—0.0200")
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**Camshaft**

End play	0.160—0.300 mm (0.0063—0.0118")
Radial clearance in bearing	0.017—0.083 mm (0.0007—0.0033")
Camshaft diameter	43.992—44.008 mm (1.7320—1.7326")
Lift height of cams	5.48—5.52 mm (0.2157—0.2173")
Bushing, diameter	44.025—44.075 mm (1.7333—1.7352")

**Cylinder head**

Material	Special-alloy cast iron
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**Intake valves**

Disc diameter	28.8—29.0 mm (1.1338—1.1417")
Stem diameter	7.938—7.960 mm (0.3125—0.3134")
Valve seat angle	29.25—29.50°
Cylinder head seat angle	30°
Width of seat in cylinder head	approx. 1 mm (0.040")
Clearance, hot engine	0.30 mm (0.012")

**Exhaust valves**

Disc diameter	26.3—26.5 mm (1.0354—1.0433")
Stem diameter	7.938—7.960 mm (0.3125—0.3133")
Valve seat angle	29.25—29.50°
Cylinder head seat angle	30°
Width of seat in cylinder head	approx. 1 mm (0.040")
Clearance, hot engine	0.30 mm (0.012")

**Valve guides**

Length, intake valve	43 mm (1.6930")
Length, exhaust valve	49 mm (1.9291")
Bore	8.000—8.022 mm (0.3150—0.3158")
Height above cylinder head spring face	10.7—11.0 mm (0.4212—0.4331")
Clearance, valve stemguide	0.040—0.084 mm (0.0016—0.0033")