

Cylinder Block

Item	Specification
Cylinder bore diameter	3.4449 â€” 3.4461 in (87.5 â€” 87.53 mm)
Cylinder bore maximum out-of-round	0.0003 in (.008 mm)
Main bearing bore diameter	2.245 â€” 2.246 in (57.018 â€” 57.04 mm)
Head gasket surface flatness	0.1 mm (0.0039 in) - 0.05 mm (0.002 in)/200 mm (7.874 in) x 200 mm (7.874 in)

Piston

Item	Specification
Piston diameter	3.4438 â€” 3.4444 in (87.473 â€” 87.487 mm)
Piston-to-bore clearance	0.0009 â€” 0.0019 in (.0225 â€” .0475 mm)
Piston ring groove width - compression (top)	0.0484 â€” 0.0492 in (1.23 â€” 1.25 mm)
Piston ring groove width - compression (bottom)	0.0484 â€” 0.0492 in (1.23 â€” 1.25 mm)
Piston ring groove width - oil	0.0799 â€” 0.0807 in (2.03 â€” 2.05 mm)
Piston skirt coating thickness	0.0004 â€” 0.0007 in (.009 â€” .019 mm)

Piston Pin

Item	Specification
Diameter	0.8857 â€” 0.8858 in (22.497 â€” 22.5 mm)
Length	2.1929 â€” 2.2047 in (55.7 â€” 56 mm)
Piston-to-pin clearance	0.0001 â€” 0.0005 in (.0035 â€” .0115 mm)
Piston pin-to-connecting rod clearance	0.0004 â€” 0.0007 in (.01 â€” .019 mm)
Piston ring width - compression (top)	0.05 in (1.2 mm)
Piston ring width - compression (bottom)	0.05 in (1.2 mm)
Piston ring width - oil	0.08 in (2 mm)
Piston ring gap (in bore) - compression (top)	0.0067 â€” 0.0106 in (.17 â€” .27 mm)
Piston ring gap (in bore) - compression (bottom)	0.0177 â€” 0.0256 in (.45 â€” .65 mm)
Piston ring gap (in bore) - oil	0.0059 â€” 0.0177 in (.15 â€” .45 mm)
Connecting rod bearing-to-crankshaft clearance	0.0011 â€” 0.0020 in (.027 â€” .052 mm)
Connecting rod bearing thickness	0.0589 â€” 0.0599 in (1.497 â€” 1.521 mm)
Connecting rod crankshaft bore diameter	2.1665 â€” 2.1670 in (55.028 â€” 55.042 mm)
Connecting rod pin bore diameter	0.8862 â€” 0.8865 in (22.51 â€” 22.516 mm)
Connecting rod length (center-to-center)	5.8787 in (149.32 mm)
Connecting rod side clearance (assembled-to-crankshaft)	0.1020 â€” 0.1453 in (2.59 â€” 3.69 mm)
Axial clearance	0.0055 â€” 0.0142 in (.14 â€” .36 mm)