

SPECIFICATIONS > SPECIFICATIONS > PISTON AND CONNECTING ROD

Item	Specification
Piston diameter - single grade	3.2656-3.2661 in (82.946-82.96 mm)
Piston-to-cylinder bore clearance	0.0016-0.0028 in (.04-.072 mm)
Piston ring end gap - compression (top, gauge diameter)	0.0079-0.0118 in (.2-.3 mm)
Piston ring end gap - compression (bottom, gauge diameter)	0.0157-0.0236 in (.4-.6 mm)
Piston ring end gap - oil ring (steel rail, gauge diameter)	0.0079-0.0197 in (.2-.5 mm)
Piston ring groove width - compression (top)	0.0484-0.0492 in (1.23-1.25 mm)
Piston ring groove width - compression (bottom)	0.0484-0.0492 in (1.23-1.25 mm)
Piston ring groove width - oil ring	0.0799-0.0807 in (2.03-2.05 mm)
Piston ring width - upper compression ring	0.0461-0.0469 in (1.17-1.19 mm)
Piston ring width - lower compression ring	0.0461-0.0470 in (1.17-1.195 mm)
Piston ring-to-groove clearance (upper and lower compression rings)	0.0016-0.0031 in (.04-.08 mm)
Piston pin bore diameter	0.8663-0.8665 in (22.004-22.009 mm)
Piston pin diameter	0.8660-0.8661 in (21.997-22 mm)
Piston pin length	1.9587-1.9783 in (49.75-50.25 mm)
Piston pin-to-piston fit	0.0002-0.0005 in (.004-.012 mm)
Piston-to-connecting rod clearance	0.1181 in (3 mm)
Connecting rod-to-pin clearance - standard	0.0005-0.0010 in (.013-.026 mm)
Connecting rod pin bore diameter	0.8667-0.8670 in (22.013-22.023 mm)
Connecting rod length (center-to-center)	5.7465-5.7496 in (145.96-146.04 mm)
Connecting rod maximum allowed bend	0.0008 in (.02 mm)
Connecting rod maximum allowed twist	0.0016 in (.04 mm)
Connecting rod bearing bore diameter	2.3397-2.3402 in (59.428-59.442 mm)
Connecting rod bearing-to-crankshaft clearance	0.0013-0.0031 in (.032-.078 mm)
Connecting rod side clearance (assembled to crank) - standard	0.0049-0.0148 in (.125-.375 mm)
Connecting rod side clearance (assembled to crank) - service limit	0.0049-0.0148 in (.125-.375 mm)