

Crankshaft assembly

Crankshaft

Diameter of main journals	50.98/50.98 mm (2.0071/2.0043 in)
Maximum permissible wear and ovality of main journals	0.02 mm (0.001 in)
Width of front journal	21.30/21.30 mm (0.8411/0.8411 in)
Width of centre journal	22.26/22.42 mm (0.8764/0.8827 in)
Width of all other journals	20.5/21.1 mm (0.8071/0.831 in)
Diameter of crank pins	52.98/53.01 mm (2.1254/2.1264 in)
Maximum permissible wear and ovality of crank pins	0.02 mm (0.001 in)
Width of crank pins	21.25/21.25 mm (0.8371/0.8371 in)
Crankshaft end-flange	6.00/6.26 mm (0.2361/0.2465 in)
Diameter of rear flange	66.84/66.95 mm (2.6316/2.6319 in)
Minimum permissible diameter of rear flange (skidpad)	66.34 mm (2.6119 in)
Diameter for front oil seal	34.985/34.990 mm (1.37736/1.37718 in)
Minimum permissible diameter for front oil seal (skidpad)	34.72 mm (1.367 in)
Diameter for scuffed pulley	21.26/22.00 mm (0.8374/0.8661 in)
Diameter of recess for spring bearing	22.56/26.60 mm (0.8881/1.048 in)
Depth of recess for spring bearing	20.8 mm (0.82 in)
Crankshaft journals and crank pins	-0.30 mm (-0.0118 in)

Main bearings

Type	Steel back, aluminium lin bearing material
Bearing width, centre bearing	24.27/24.52 mm (0.9558/0.9654 in)
Bearing width, all other bearings	22.26/22.42 mm (0.8801/0.8864 in)
Bearing thickness	1.52/1.60 mm (0.0598/0.063 in)
Back diameter	27.005/27.260 mm (1.06319/1.07364 in)
Bearing clearance	0.023/0.073 mm (0.0009/0.0029 in)
Available undersize bearings	-0.30 mm (-0.0118 in)

Crankshaft thrust washers

Type	Steel back, aluminium lin bearing material
Position	Back side of centre main bearing
Thickness	2.31/2.38 mm (0.091/0.093 in)

Perkins Prima M80t Service Manual

G Thomas



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