

Crankshaft and Connecting Rod Specifications

(All dimensions given in inches unless otherwise noted.)

Model	1300	1300	1300	1600	1750	2000	2.5	3.0
	750	101	GTA jr				V-6	V-6
Displacement (cc)	1290	1290	1290	1570	1779	1962	2492	2959
Bore (mm)	74	74	78	78	80	84	88	93
Stroke (mm)	75	75	67.5	82	88.5	88.5	68.3	72.6
Diameter of Main Journal	2.2470 2.2475	2.3606 2.3611	2.3606 2.3611	2.3606 2.3611	2.360 2.3611	2.3606 2.3611	2.3606 2.3611	2.3606 2.3611
Diameter of Main Bearing Housing	2.3925 2.3930	2.5062 2.506	2.5062 2.5069	2.5062 2.5069	2.5062 2.5069	2.5062 2.5069	2.5062 2.50	2.5062 2.5069
Main Bearing Clearance *	0.0006 0.0022	0.0006 0.0022	0.0006 0.0022	0.0006 0.0022	0.0006 0.0022	0.0006 0.0022	0.0006 0.0022	0.0001 0.0018
Diameter of Rod Journal	1.7702 1.7707	1.7702 1.7707	1.7702 1.7707	1.9680 1.9685	1.9680 1.9685	1.9680 1.9684	2.0469 2.0472	2.0468 2.0472
Inside Diameter of Con-Rod Small End	0.7876 0.7880	0.7876 0.7880	0.8664 0.8667	0.8664 0.8667	0.8664 0.8667	0.8664 0.8667	0.8663 0.8667	0.8663 0.8667
Inside Diameter of Con-Rod Big End	1.9157 1.9162	1.9157 1.9162	1.9157 1.9162	2.1140 2.1145	2.1140 2.1145	2.1140 2.1145	2.1855 2.1860	2.1855 2.1860
Rod Bearing Clearance *	0.0010 0.0025	0.0010 0.0025	0.0010 0.0025	0.0010 0.0025	0.0010 0.0025	0.0010 0.0025	0.0008 0.0024	0.0008 0.0024
Length of Connecting Rod	5.2344 5.2380	5.2344 5.2380	5.3427 5.3462	5.8250 5.8285	6.1791 6.1831	6.1791 6.1831	N/A	N/A
Std Main Bearing Shell Thickness	0.0720 0.0722	0.0720 0.0722	0.0720 0.0722	0.0720 0.0722	0.0720 0.0722	0.0720 0.0722	0.0720 0.0722	0.0720 0.0722
Rod Bearing Shell Thickness	0.0717 0.0720	0.0717 0.0720	0.0717 0.0720	0.0720 0.0722	0.0720 0.0722	0.0721 0.0723	0.0684 0.0687	0.0684 0.0687
Thrust Washer Thickness	0.0910 0.0930	0.0910 0.0929	0.0910 0.0929	0.0910 0.0929	0.0910 0.0920	0.0909 0.0929	0.0909 0.0929	0.0909 0.0929
Crankshaft End Play	0.0030 0.0100	0.0030 0.0100	0.0030 0.0100	0.0030 0.0100	0.0030 0.0100	0.0030 0.0100	0.0030 0.0100	0.0030 0.0100
Connecting Rod End Play	0.0079 0.0118	0.0079 0.0118	0.0079 0.0118	0.0079 0.0118	0.0079 0.0118	0.0079 0.0118	0.0079 0.0118	0.0079 0.0118
Piston Pin Clearance in the Small End Bushing	0.0004 0.0008	0.0004 0.0008	0.0004 0.0008	0.0004 0.0008	0.0004 0.0008	0.0004 0.0008	0.0004 0.0008	0.0002 0.0008
Piston Pin Clearance in the Piston	0.0002 0.0006	0.0002 0.0006	0.0002 0.0006	0.0002 0.0006	0.0002 0.0006	0.0002 0.0006	0.0002 0.0005	0.0002 0.0005

*Bearing clearance = ID of brg. housing - (2 x brg. shell thickness) - OD of the journal.
Use maximum clearance for high performance.

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