

## GENERAL INFORMATION

### CRANKCASE/TRANSMISSION SPECIFICATIONS

ITEM			STANDARD		Unit: mm (in)
					SERVICE LIMIT
Shift fork	I.D.		12.000 – 12.018 (0.4724 – 0.4731)		12.03 (0.474)
	Claw thickness		5.93 – 6.00 (0.233 – 0.236)		5.9 (0.23)
Shift fork shaft O.D.			11.957 – 11.968 (0.4707 – 0.4712)		11.95 (0.470)
Transmission	Gear I.D.	M5, M6	28.000 – 28.021 (1.1024 – 1.1032)		28.04 (1.104)
		C1	24.000 – 24.021 (0.9449 – 0.9457)		26.04 (1.025)
		C2, C3, C4	31.000 – 31.025 (1.2205 – 1.2215)		31.04 (1.222)
	Gear busing O.D.	M5, M6	27.959 – 27.980 (1.1007 – 1.1016)		27.94 (1.100)
		C2	30.955 – 30.980 (1.2187 – 1.2197)		30.94 (1.218)
		C3, C4	30.950 – 30.975 (1.2185 – 1.2195)		30.93 (1.218)
	Gear-to-bushing clearance	M5, M6	0.020 – 0.062 (0.0008 – 0.0024)		0.10 (0.004)
		C2	0.020 – 0.070 (0.0008 – 0.0028)		0.10 (0.004)
		C3, C4	0.025 – 0.075 (0.0010 – 0.0030)		0.11 (0.004)
	Gear bushing I.D.	M5	24.985 – 25.006 (0.9837 – 0.9845)		25.016 (0.9849)
		C2	27.985 – 28.006 (1.1018 – 1.1026)		28.021 (1.1032)
	Mainshaft O.D.	at M5	24.967 – 24.980 (0.9830 – 0.9835)		24.96 (0.983)
	Countershaft O.D.	at C2	27.967 – 27.980 (1.1011 – 1.1016)		27.96 (1.101)
	Bushing to shaft clearance	M5	0.005 – 0.039 (0.0002 – 0.0015)		0.06 (0.002)
C2		0.005 – 0.039 (0.0002 – 0.0015)		0.06 (0.002)	

### CRANKSHAFT/PISTON/CYLINDER SPECIFICATIONS

ITEM			STANDARD		Unit: mm (in)
					SERVICE LIMIT
Crankshaft	Connecting rod side clearance		0.15 – 0.30 (0.006 – 0.012)		0.35 (0.014)
	Crankpin bearing oil clearance		0.028 – 0.052 (0.0011 – 0.0020)		0.06 (0.002)
	Main journal bearing oil clearance		0.020 – 0.038 (0.0008 – 0.0015)		0.05 (0.002)
	Runout		-		0.05 (0.002)
Piston, piston rings	Piston O.D. at 10 (0.4) from bottom		66.965 – 66.985 (2.6364 – 2.6372)		66.90 (2.634)
	Piston pin bore I.D.		16.002 – 16.008 (0.6300 – 0.6302)		16.02 (0.631)
	Piston pin O.D.		15.994 – 16.000 (0.6297 – 0.6299)		15.98 (0.629)
	Piston-to-piston pin clearance		0.002 – 0.014 (0.0001 – 0.0006)		0.04 (0.002)
	Piston ring end gap	Top	0.10 – 0.20 (0.004 – 0.008)		0.4 (0.02)
		Second	0.21 – 0.31 (0.008 – 0.012)		0.5 (0.02)
		Oil (side rail)	0.2 – 0.7 (0.01 – 0.03)		1.0 (0.04)
	Piston ring-to-ring groove clearance	Top	0.030 – 0.060 (0.0012 – 0.0024)		0.10 (0.004)
Second		0.015 – 0.050 (0.0006 – 0.0020)		0.08 (0.003)	
Cylinder	I.D.		67.000 – 67.015 (2.6378 – 2.6384)		67.10 (2.642)
	Out of round		-		0.10 (0.004)
	Taper		-		0.10 (0.004)
	Warpage		-		0.10 (0.004)
Cylinder-to-piston clearance			0.015 – 0.050 (0.0006 – 0.0022)		0.10 (0.004)
Connecting rod small end I.D.			16.010 – 16.034 (0.6303 – 0.6313)		16.050 (0.6319)
Connecting rod-to-piston pin clearance			0.010 – 0.040 (0.0004 – 0.0016)		0.070 (0.0028)