

**CYLINDER HEAD/VALVES****SPECIFICATIONS**

ITEM			STANDARD	SERVICE LIMIT
Compression			12.5 ± 1.5 kg/cm ² (172 ± 21 psi)	_____
Camshaft	Cam lift	IN	36.431 mm (1.4343 in)	36.23 mm (1.426 in)
		EX	36.466 mm (1.4357 in)	36.27 mm (1.428 in)
	Journal O.D.	Right	23.954–23.975 mm (0.9431–0.9439 in)	23.9 mm (0.94 in)
		Left	19.954–19.975 mm (0.7856–0.7864 in)	19.9 mm (0.78 in)
	Run out		_____	0.04 mm (0.002 in)
	Side clearance		0.05–0.25 mm (0.002–0.010 in)	0.4 mm (0.02 in)
Rocker arm	I.D.		12.000–12.018 mm (0.4724–0.4731 in)	12.05 mm (0.474 in)
Rocker arm shaft	O.D.		11.966–11.984 mm (0.4711–0.4718 in)	11.91 mm (0.469 in)
Rocker arm shaft-to-arm clearance			0.016–0.052 mm (0.0006–0.0020 in)	0.14 mm (0.006 in)
Valve spring	Free length	Inner	38.1 mm (1.50 in)	37.0 mm (1.46 in)
		Outer	36.24 mm (1.427 in)	35.3 mm (1.39 in)
	Preload/length	Inner	7.49 ± 0.5 kg/26 mm (16.5 ± 1.1 lb/1.02 in)	_____
		Outer	13.19 ± 0.8 kg/29.0 mm (29.1 ± 1.7 lb/1.14 in)	_____
Valve	Stem O.D.	IN	6.575–6.590 mm (0.2589–0.2594 in)	6.565 mm (0.2585 in)
		EX	6.560–6.570 mm (0.2583–0.2587 in)	6.550 mm (0.2579 in)
	Guide I.D.	IN	6.600–6.615 mm (0.2598–0.2421 in)	6.63 mm (0.261 in)
		EX	6.600–6.615 mm (0.2598–0.2421 in)	6.63 mm (0.261 in)
	Stem-to-guide	IN	0.010–0.040 mm (0.0004–0.0016 in)	0.065 mm (0.0026 in)
	Clearance	EX	0.030–0.055 mm (0.0012–0.0022 in)	0.080 mm (0.0031 in)
	Valve face			
	width	IN/EX	1.2–1.4 mm (0.05–0.06 in)	2.0 mm (0.08 in)
Cylinder head	Warpage		_____	0.10 mm (0.004 in)
	Valve seat	IN/EX	1.2–1.4 mm (0.05–0.06 in)	2.0 mm (0.08 in)
Camshaft bearing	I.D.	Left	20.000–20.021 mm (0.7874–0.7882 in)	20.07 mm (0.790 in)
		Right	24.000–24.021 mm (0.9449–0.9457 in)	24.07 mm (0.948 in)