

**POWERHEAD  
SPECIFICATIONS**

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Item	Unit	Data	
		2.5 HP	

**CYLINDER HEAD / CAMSHAFT**

Cylinder head distortion	Limit	mm (in)	0.05 (0.002)
Cam height	IN, EX	STD	28.480 – 28.680 (1.1213 – 1.1291)
		Limit	28.180 (1.1094)
Rocker arm shaft hole diameter	IN	STD	4.015 – 4.027 (0.1581 – 0.1585)
	EX		
Rocker arm shaft outside diameter	IN	STD	3.990 – 4.005 (0.1571 – 0.1577)
	EX		

**VALVE / VALVE GUIDE**

Valve diameter	IN	mm (in)	20.0 (0.79)	Valve diameter
	EX	mm (in)	18.0 (0.71)	
Valve clearance (Cold engine condition)	IN	STD	0.13 – 0.17 (0.005 – 0.007)	Valve clearance (Cold engine condition)
	EX	STD	0.13 – 0.17 (0.005 – 0.007)	
Valve seat angle	IN	—	45°	Valve seat angle
	EX	—	45°	
Valve guide to valve stem clearance	IN	STD	0.010 – 0.037 (0.0004 – 0.0015)	Valve guide to valve stem clearance
		Limit	0.075 (0.0030)	
	EX	STD	0.025 – 0.052 (0.0010 – 0.0020)	
		Limit	0.090 (0.0035)	
Valve guide inside diameter	IN, EX	STD	4.000 – 4.012 (0.1575 – 0.1580)	Valve guide inside diameter
Valve stem outside diameter	IN	STD	3.975 – 3.990 (0.1565 – 0.1571)	Valve stem outside diameter
	EX	STD	3.960 – 3.975 (0.1559 – 0.1565)	
Valve stem deflection	IN, EX	Limit	0.35 (0.014)	Valve stem deflection
Valve stem runout	IN, EX	Limit	0.05 (0.002)	Valve stem runout