

Fig. 9.1 Cylinder head specification guide chart

Group	Engine type	In. Valve Diameter	Ex. Valve Diameter	Chamber Volume	Casting Numbers	Notes
A	803 Austin/Morris, 850 Mini, 948 Morris Minor, A35 Austin, A40 Austin, Sprite Mkl	1 $\frac{1}{16}$ in	1 in	24.5 cc	2A 628, 12A 1456, 2A 629	Round port on intake.
B	997 Cooper Mini, Austin/Morris 1098, Mkl MG Midget MkII Sprite	1 $\frac{5}{8}$ in	1 in	26.1 cc	12G 202	Square intake ports.
C	998 Cooper Mini, 1098 MG 1100, MkII MG Midget, MkIII Sprite	1 $\frac{5}{8}$ in	1 in	28.3 cc	12G 206 12G 295	Large square intake ports with location rings.
D	1275 Austin/Morris, 1300 Austin America* 1275 Sprite & MG Midget, 1275 Mini GT	1 $\frac{5}{8}$ in	1 $\frac{5}{8}$ in	21.4 cc	12G 940	Good ports in standard condition.
E	MG 1300, 1300GT & Last 'S's	1.4 in	1 $\frac{5}{8}$ in	21.4 cc	12G 940	—
F	All 'S' engines other than in group E	1.4 in	1 $\frac{5}{8}$ in	21.4 cc	12A 185, AFG 163	12A 185 was early casting coded 'yellow'. AFG 163 is later colour coded brown or blue. Sodium cooled exhaust valve and improved cooling but thinner deck.
G	Turbo MG	1 $\frac{5}{8}$ in	1 $\frac{5}{8}$ in	21.4 cc	12G940	

**Includes air-injection 'smog' head under other casting number*