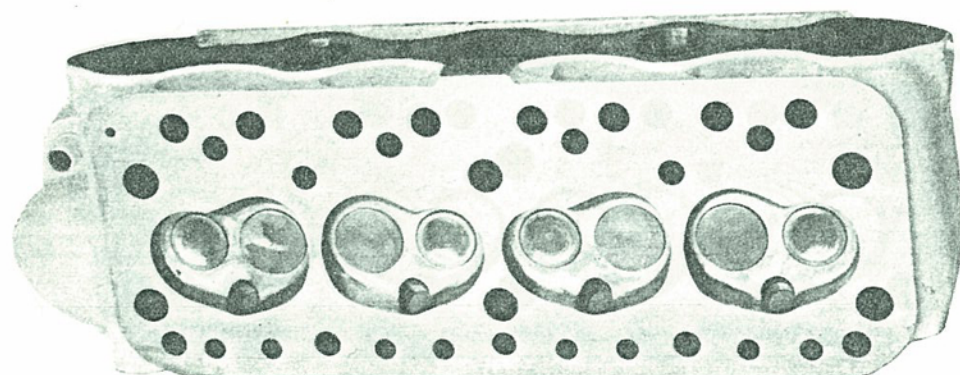


**BMC 'A' SERIES and MINI ENGINES — 850/1100 c.c.**

## **CYLINDER HEADS**

**SPEEDWELL**

**ENGINE KITS and PARTS**



### **Stage I**

A new BMC cast-iron cylinder head as used on the Sprite Mark II or Cooper-Mini, carefully ground to remove casting irregularities, the ports modified to an improved shape developed by gas-flow testing and internally polished to a smooth finish. The head face is surface-ground to give a compression ratio raised by 0.5 or as required by customer. Available for outright purchase or the work carried out on the customer's own cylinder head. (See Price list)

### **Stage II**

A new BMC cast-iron cylinder head as used on the Cooper-Mini, modified to give the best performance obtainable without altering valve sizes. Modifications complying with Group II regulations (Improved touring cars) of Appendix J, FIA Rules. The combustion chambers are re-profiled by three-dimensional pantographic milling to a form developed by gas-flow testing. The ports are opened to optimum form and dimensions and the surfaces polished smooth. The compression ratio is raised to 11 to 1 in conjunction with flat-topped pistons. Lower ratios for road use are supplied on request.

Available for outright purchase or work carried out on customer's own cylinder head. (See Price list)

### **Specification**

Valve Size — inlet  
Valve Size — exhaust  
Inlet port at manifold face  
CR with flat-topped pistons  
CR optional alternative  
Thermometer bulb pocket

### **Stage IA**

1.16"  
1.0"  
1½" Dia.  
9.5  
Higher  
For Speedwell Gauges

### **IIA**

1.16"  
1.0"  
1½" Dia.  
11  
Lower

### **Order Reference**

### **Packing Data**

Description	Cat. No.	Size	Weight
Stage I cyl. head with guides only	CH.40	17" x 5½" x 3"	25lbs.
Stage II cyl. head with guides only	CH.40/II	(44 x 14 x 7.6 cm)	(11.5 kg)

**12 Months Guarantee**

**Speedwell Performance Conversions Ltd., London, England**