



## Cam Followers

It is of great importance to use high quality cam followers to get the best performance and reliability from your cam. Use of poor quality followers will lead to definite failure of the cam. The cam followers supplied by Mini Spares are of the highest quality, manufactured by an OE supplier to Rover Group. Always use cam lube when fitting new cam followers.

1. **a. Standard weight cam follower.**  
Weights 44 grams. Order individually. .... **2A13**
- b. Standard weight cam follower with oil drain hole.** Weights 44 grams. Order individually. .... **AEG584**
- c. Genuine AE cam follower**  
(FederalMogul). Weights 44 grams. Order individually. .... **2A13EVO**
2. **Performance developed - To combine consistent base edge chamfering and foot curvature, plus accurate tolerances to ensure push rod socket location in the follower base, to minimise float and jump normally associated with original cam followers which ultimately lost power. Suitable for all cam types and uses. Double heat treated and then finish ground.**
  - a. **Light weight cam follower with oil hole. Standard height.**  
Order set. .... **C-AEG579**
  - b. **As above but taller to increase follower stability improving follower life.** Order set. .... **C-AEG580**



## Competition Valves

All our competition valves are produced in EN214N steel and require Manganese/ Silicon bronze alloy valve guides. They are stellite tipped and use the later narrow single collet groove and current high efficiency valve head shapes and designs. The statutory use of unleaded fuel causes premature wear on valve stems therefore all our competition valves will be heat treated to eradicate this problem.

3. **Inlet Valves. All valves sold individually.**
  - 37.2mm (1.464") inlet valve for 12G940 casting. .... **C-AHT55**
  - 35.7mm (1.406") inlet valve
    - a. for 12G940 casting. .... **C-AEG544**
    - b. triple grooved A-Plus valve\*. .... **C-AEG543**
  - 35.7mm (1.406") inlet valve for AEG163 casting MK1'S' ... **AEG593**
  - 33.3mm (1.311") inlet valve for 12G940 casting. .... **C-AEG569**
  - 30.93mm (1.218") inlet valve all small bore head casting.\*  
..... **C-AEG588**
  - 35.6mm (1.405") Longer inlet valve. 8 port head only .. **C-AHT376**
4. **Exhaust Valves. All valves sold individually.**
  - 32mm (1.260") chrome stemmed exhaust valve for 12G940 casting. Not heat treated. Order Individually. .... **C-AEG570**
  - 31mm (1.220") exhaust valve for 12G940 casting. .... **C-AEG107**
  - 31mm (1.220") exhaust valve for AEG163 casting. .... **AEG594**
  - 29.5mm (1.161") exhaust valve
    - a. for 12G940 casting. .... **C-AEG106**
    - b. triple grooved A-Plus valve\*. .... **C-AEG105**
  - 26.5mm (1.043") exhaust valve for all small bore castings.\*  
..... **C-AEG587**
  - 30.93mm (1.218") longer exhaust valve for 8 port head only.  
..... **C-AHT377**



## Standard Production Valves

5. **Inlet Valves for 1275cc. All valves sold individually.**
  - a. **Single grooved valve.**  
35.6mm (1.484") inlet valve for 12G940 casting. .... **AEG592**  
33mm (1.311") inlet valve for 12G940 casting. .... **12G941**
  - b. **Triple grooved valve.**  
35.6mm (1.484") inlet valve for 12G940 casting. .... **TAM1059**  
33mm (1.311") inlet valve for 12G940 casting. .... **TAM1058**
6. **Exhaust Valves for 1275cc. All valves sold individually.**
  - a. **Single grooved valve.**  
29.2mm (1.149") exhaust valve for 12G940 casting. .... **CAM4601**
  - b. **Triple grooved valve.**  
29.2mm (1.149") exhaust valve for 12G940 casting. .... **TAM1061**
  - c. **Lead free insert.** For exhaust valves. . **TAM2069**
7. **Exhaust Valves for 850/998/1100cc.**
  - a. **Early large collet groove** ..... **AEA434**
  - b. **Small collet groove with AEA311 valve spring** ..... **2A1987**
  - c. **A+ with 12G1015 valve spring** ..... **CAM6503**
  - d. **Triple collet groove valve A+.** ..... **TAM1770**

## Rimflo Valves

We also stock a limited of range of Rimflo valves for the 'A' series. These are produced in EN214N steel with chrome plated stems which enable them to be used with standard iron guides. All Rimflo valves start with the prefix C-RIM.

8. **Rimflo Inlet Valves.**  
All valves sold individually.
  - 36.6mm (1.44") inlet valve for 12G940 casting. .... **C-RIM55**
  - 35.7mm (1.405") inlet valve for 12G940 casting. .... **C-RIM544**
  - 33.3mm (1.311") inlet valve for 12G940 casting. .... **C-RIM569**
  - 31.8mm (1.252") inlet valve for small bore casting. .... **C-RIM104**
9. **Rimflo Exhaust Valves. All valves sold individually.**
  - 31.75mm (1.250") exhaust valve for 12G940 casting. .... **C-RIM570**
  - 30.9mm (1.217") exhaust valve for 12G940 casting. .... **C-RIM107**
  - 29.3mm (1.15") exhaust valve for 12G940 casting. .... **C-RIM106**
  - 27mm (1.06") exhaust valve for small bore casting. .... **C-RIM105**

Small bore available to customer order only



## Valve Guides/Seals

Although Silicon bronze valve guides were used for their extremely good wear values they were very hard and not user friendly when fitting.

We have introduced the Manganese bronze guides which have good cutting properties and good wear characteristics and are original equipment on Porsche and Mercedes. Bronze alloy valve guides are required when using EN214N steel valves unless the valve stems are chrome plated. Guide material specifications may change as more modern materials are tested.

10. a. **All 5 port heads.**  
Manganese bronze guide are sold in sets of 8 ..... **C-AJJ4037**  
b. **8 port head only set of 8** ..... **C-AHT364**
11. **Iron guides are bullet shaped for better flow characteristics.**  
Type shown are 12G1963 which accept ADU4905 seal.  
Order individually. .... **12G1963**
12. **Top hat seals are always fitted on inlet valves and also on the exhaust valves on standard Rover unleaded heads.**
  - a. **Standard replacement.** Order individually. .... **ADU4905**
  - b. **New improved performance type.** As fitted to twin point injection, made in original Dupont Viton.  
Order individually. .... **LJQ101160**



'Small bore' is a classification for 850/998/1098cc.

\*only available in late type triple collet groove.

'Large bore' is any Cooper 'S' and all 1275cc+ engines

Triple Groove

