



**SPARES for ROYAL ENFIELD & AMAL**

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## **Performance Valve Kit (500cc): Part No. 90052**

### **NOTE:**

This new kit contains specially improved pulsed plasma nitride valves with a slightly larger 1.875" inlet. The valves are specially profiled for better gas flow. They come complete with a superior design of spring arrangement, guides, alloy top collars, bottom collars and split collets suitable for the Indian built 500 and 535cc Bullet and also the 1953-58 English built 500 Bullets.

**Important:** The stem caps used on the original valves **MUST NOT** be used on these new valves.

As with any valve guide, once fitted it is normal to ream the guides. If you do not have a suitable reamer, we do have a loan tool available.

The inlet valve seat is designed to take the standard 1.75" valve. The new valve can be fitted to this seat without the need to open it out. However, to get the most benefit from this valve kit, the internal diameter of this seat should be opened up.

The valve seats will need to be re-cut to 45° (This is the same angle as the originals). Care should be taken to keep the contact area to approximately 1.5mm wide. Be certain to clean off any grinding paste and lubricate the valve and guide before final assembly. The collets are supplied as per Enfield original spares and need to be split before installation. The ideal fitted valve spring length is 32-33mm although anywhere between 31 and 34mm would be acceptable.

**Please note, when fitting the valve springs ensure the tighter wound end of the outer spring is fitted towards the cylinder head.**