



## Tube connector (Vulkan-Lokring)

Again and again, tubes and connections become damaged due to vibration or on account of non-professional routing. Usually these tubes are replaced by new ones. It is not absolutely necessary to fall back on original tubes which are often not available and expensive, however. For this purpose, *Behr-Hella-Service* supplies the tool set Vulkan-Lokring, part no.: 8PE 351 231-001. This has proved itself thousands of times over in practice.

The Lokring union joints are made up of two Lokrings and a machined tube-shaped muff into which both tube ends are inserted. During assembly the tubes to be connected are pushed into the muff until they meet the inner collar and then the Lokring is pushed over the muff.

Thanks to the Lokring's special inner contour, the diameter of the muff is reduced to such an extent that it is in complete close contact with the outer surface of the tube to be connected and tightly clamps this with a slight reduction in diameter size. This produces a hermetically sealed metal/metal tube connection, whereby the reduction is so slight that no measurable fall in pressure or reduction of flow speed can be detected. To achieve additional safety, the surfaces of the tube ends are wetted using an anaerobic liquid. This completely seals porous surfaces and drawing etching. The tube connections have been designed for a maximum nominal pressure of 50 bar and a testing pressure of 200 bar.

They can be used in the temperature range of  $-50\text{ }^{\circ}\text{C}$  to  $+150\text{ }^{\circ}\text{C}$ .

The simple handling (no welding or soldering work) does not require a power supply and can be carried out without much space or force being necessary.

