

*Discolouration*—As a rule, discolouration indicates that the bearings have at one time become excessively hot, the cause of which should be investigated. Excessive pre-load and lack of or unsuitable lubrication are common causes. It should be remembered that a light brown stain may merely be an oil stain.

### **Refitting**

Before refitting the bearing, the shaft and housing should be thoroughly cleaned, then smeared lightly with grease.

If the cup has been removed, a press with a suitable adapter must be used to refit it. Ensure that the cup enters the housing squarely and that it is pressed right home against the abutment shoulder. The cone assembly should be fitted with the aid of a press and adapter or a short length of metal tube whose bore diameter is slightly greater than the diameter of the shaft, and whose outside diameter is less than the internal diameter of the cage. With the tube resting on the cone, the roller assembly may be pressed into place.