



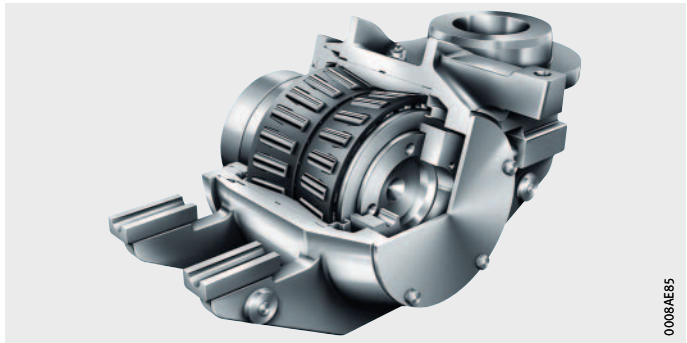
**Mounting of rolling bearings**  
**Mounting of TAROL bearings**

## Mounting of special types

**Features** Selection of the suitable mounting method is based not only on the bearing type but also on the adjacent construction and the relevant dimensions. In the case of some rolling bearing types, attention must be paid during mounting to particular features or a particular procedure must be applied, which is discussed in detail below. Further details are given in the product-specific catalogues and brochures. The decisive factor for correct mounting is, however, the mounting manual relating to the application.

### Mounting of TAROL bearings

The tapered roller bearing units TAROL are used for the bearing arrangements of wheelsets on rail vehicles such as freight wagons and passenger carriages, *Figure 1*. These are compact, ready to fit, greased, sealed and axially adjusted rolling bearings that are pressed onto the shaft journal in a single operation. If the shaft journal diameter is within the specified tolerance, the press fit of the bearing will give the required axial internal clearance.



*Figure 1*  
Wheelset bearing for rail vehicles

For the mounting and dismounting of these bearings, Schaeffler recommends the use of a mobile hydraulic unit, *Figure 2*. This unit has a valve-controlled, height-adjustable and double direction pressure cylinder driven by a motor pump. The relevant tool sets are matched to the bearing and the mounting situation. Comprehensive information on the product described and the precise procedure for mounting and dismounting is given in TPI 156, Tapered Roller Bearing Units TAROL – Mounting, maintenance, repair.



*Figure 2*  
Mobile hydraulic unit

The mounting of bearings is subject not only to the specification of the Association of American Railroads (AAR) but also to the mounting specifications of the AAR in their valid issue. These can be found mainly in the Sections G, G-II, H and H-II of the “Manual of Standards and Recommended Practices”.

**Further information**

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