



Tapered roller bearings are used to carry combined axial and radial loads in which the radial load is predominant. These bearings are of separable design, i.e. the rollers retained by the cage, constituting an assembly with the inner ring, can be separated from the outer ring. The outer rings are interchangeable. The axial clearance can be slightly adjusted during mounting and operation. Single-row tapered roller bearings restrict the relative axial displacement of the shaft or housing in one direction. Any misalignment between shaft and housing should be avoided during mounting. Since an induced axial load will appear by applying a radial load when two tapered roller bearings are used on a spindle, they should be mounted "face-to-face" or "back-to-back" to cancel induced axial loads.

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