



Tapered Roller Bearings



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MOTION, TECHNOLOGY & KNOWLEDGE



TAPERED ROLLER BEARINGS

MTK+ is offering the tapered roller bearings in many different designs and sizes, with metric dimensions as well as with inch dimensions.

Tapered roller bearings have tapered inner and outer ring raceways and tapered rollers which are guided by the thicker side of the cup.

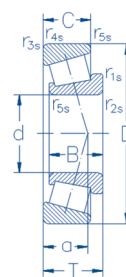
SINGLE-ROW TAPERED ROLLER BEARINGS

These bearings are designed to carry radial and thrust loads in one direction. The cone with the roller and cage assembly and the cup can be mounted separately. These two assemblies are interchangeable.

For applications where the load carrying capacity of a single tapered roller bearing is not sufficient, or where the thrust loads have to be carried at a certain axial clearance in both directions, single-row tapered roller bearings can be delivered as matched pairs.

AVAILABLE SERIES

302 - 303 - 313 - 320 - 322 - 323 - 330 - 331 - 332



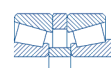
AVAILABLE VERSIONS

They can be delivered in "DB", "DF" and "DT" arrangement.

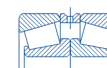
DB : Matched bearing pair arranged back-to-back

DF : Matched bearing pair arranged face-to-face

DT : Matched bearing pair arranged in tandem



DB



DF

PAIRED

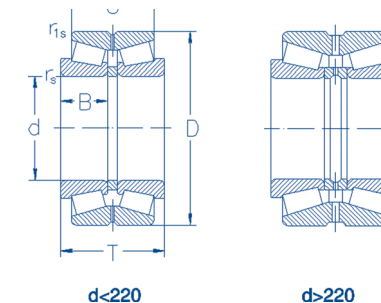
MTK+ Manufactured According ISO & DIN Standards

DOUBLE- & FOUR-ROW TAPERED ROLLER BEARINGS

Tapered roller bearings also exist as double- and four-row tapered roller bearings.

Double-row tapered roller bearings are used where load carrying capacity should be greater, loads should be taken in both directions and axial space is smaller than in case of a set of two single-row tapered roller bearings.

Double-row tapered roller bearings can have the rollers in face-to-face arrangement, with a double inner ring and two outer rings respectively or the rollers in back-to-back arrangement, with a double outer ring and two inner rings.



DIMENSIONS

The dimensions of the metric bearings are manufactured according ISO 355.

CAGES

Small and medium sized tapered roller bearings are generally fitted with pressed steel cages.

Large sized tapered roller bearings are generally fitted with machined steel or brass cages.

For more technical information
please consult our catalogue or
www.mtk-bearings.com

MTK+ Manufactured According ISO & DIN Standards