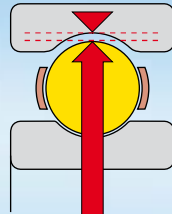


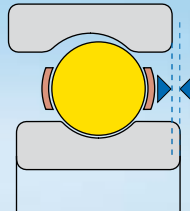
Clearances

The standardisation of the internal clearance of the bearings only concerns the radial clearance.

ISO 5753 standard.



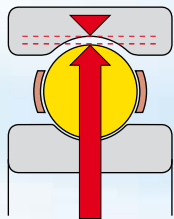
Yes



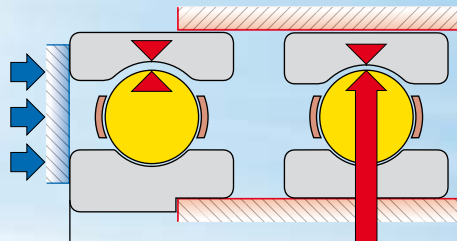
No

This radial clearance is necessary to take into account:

- Deformations of the bearing rings when fitted due to interference

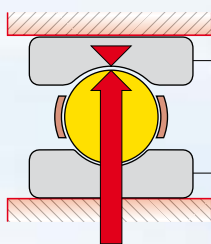


Initial radial clearance



Residual radial clearance after fitting

- Differences in the expansion of the inner and outer rings due to differences in temperature, when operating.



Radial operating clearance

Δ temperature

Clearances used for machine-tool / high precision

- C9 reduced clearance less than C0
- C0 reduced clearance less than C1
- C1 reduced clearance less than C2

ISO 5753 standard

- C2 reduced clearance
- CN normal clearance
- C3 increased clearance
- C4 increased clearance greater than C3
- C5 increased clearance greater than C4

Special clearances (NTN)

- CS special clearance
- CM special clearance (specially for electric motors)