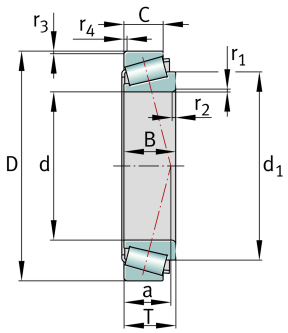
FAG

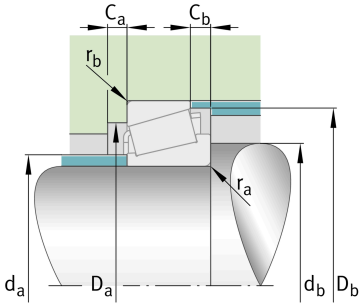
# 320/32-X

Tapered roller bearing

Tapered roller bearings 320, main dimensions acc. to DIN 720, separable

## Informacje techniczne




### Twoja aktualna wersja produktu

| | | |
|---|---|---|
| Tolerance class | P6X | Class 6X (ISO 492:2023) |
| Heat treatment | Standard | |
| Cage | Standard | Sheet steel cage, window cage, roller-guided |
| Quality level | Standard | |
| Number of rows | 1 | Single-row design |

### Main Dimensions & Performance Data

| | | |
|---|---|---|
| d | 32 mm | Bore diameter |
| D | 58 mm | Outside diameter |
| B | 17 mm | Width, inner ring |
| C | 13 mm | Width, outer ring |
| T | 17 mm | Width, total |
| $C_r$ | 39.000 N | Basic dynamic load rating, radial |
| $C_{0r}$ | 48.500 N | Basic static load rating, radial |
| $C_{ur}$ | 5.700 N | Fatigue load limit, radial |
| $n_G$ | 12.600 1/min | Limiting speed |
| $n_{\vartheta r}$ | 7.500 1/min | Thermal speed rating |
| ≈m | 190,3 g | Masa |

## Mounting dimensions

| | | |
|---|---|---|
| $d_{a\ max}$ | 38 mm | Maximum diameter of shaft shoulder |
| $d_{b\ min}$ | 38 mm | Minimum diameter of shaft shoulder |
| $D_{a\ min}$ | 50 mm | Minimum diameter of housing shoulder |
| $D_{a\ max}$ | 52 mm | Maximum diameter of housing shoulder |
| $D_{b\ min}$ | 55 mm | Minimum diameter of housing shoulder |
| $C_{a\ min}$ | 3 mm | Minimum axial space |
| $C_{b\ min}$ | 4 mm | Minimum axial space |
| $r_{a\ max}$ | 1 mm | Maximum fillet radius of shaft |
| $r_{b\ max}$ | 1 mm | Maximum fillet radius of housing |

## Dimensions

| | | |
|---|---|---|
| $r_{1,\ 2\ min}$ | 1 mm | Minimum chamfer dimension of inner ring back face |
| $r_{3,\ 4\ min}$ | 1 mm | Minimum chamfer dimension of outer ring back face |
| a | 14 mm | Distance between the apexes of the pressure cones |
| $d_1$ | 46,5 mm | Guidance rib diameter of inner ring |

## Temperature range

| | | |
|---|---|---|
| $T_{min}$ | -30 °C | Operating temperature min. |
| $T_{max}$ | 120 °C | Operating temperature max. |

## Calculation factors

| | | |
|---|---|---|
| e | 0,45 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y | 1,32 | Dynamic axial load factor |
| $Y_0$ | 0,73 | Static axial load factor |

## Additional information

| | | |
|---|---|---|
| | T4CC032 | Comparative designation to ISO 10317 and ISO 355 |

## Właściwości

- Obciążenie promieniowe
- Obciążenie osiowe jednokierunkowe
- Smarowanie smarem
- Smarowanie olejem
- Bez uszczelnienia