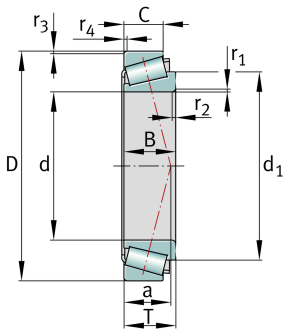
FAG

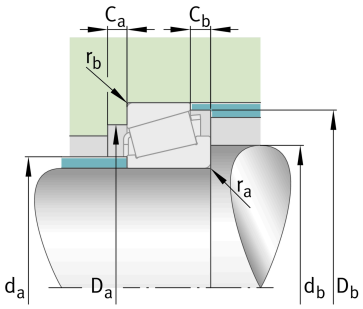
30210-A>A

Tapered roller bearing

Tapered roller bearings 302, main dimensions acc. to DIN 720, separable

Informacje techniczne





Twoja aktualna wersja produktu

Tolerance class	PN	Normal (ISO 492:2023)
Heat treatment	Standard	
Cage	Standard	Sheet steel cage, window cage, roller-guided
Internal design	Standard	
Quality level	Standard	
Version code	>A	Not marked on bearing
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	90 mm	Outside diameter
B	20 mm	Width, inner ring
C	17 mm	Width, outer ring
T	21,75 mm	Width, total
C_r	79.000 N	Basic dynamic load rating, radial
C_{0r}	96.000 N	Basic static load rating, radial
C_{ur}	11.500 N	Fatigue load limit, radial
n_G	8.200 1/min	Limiting speed
$n_{\vartheta r}$	5.000 1/min	Thermal speed rating
≈m	0,55 kg	Masa

Mounting dimensions

$d_{a\ max}$	58 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	57 mm	Minimum diameter of shaft shoulder
$D_{a\ min}$	79 mm	Minimum diameter of housing shoulder
$D_{a\ max}$	83 mm	Maximum diameter of housing shoulder
$D_{b\ min}$	85 mm	Minimum diameter of housing shoulder
$C_{a\ min}$	3 mm	Minimum axial space
$C_{b\ min}$	4,5 mm	Minimum axial space
$r_{a\ max}$	1,5 mm	Maximum fillet radius of shaft
$r_{b\ max}$	1,5 mm	Maximum fillet radius of housing

Dimensions

$r_{1,\ 2\ min}$	1,5 mm	Minimum chamfer dimension of inner ring back face
$r_{3,\ 4\ min}$	1,5 mm	Minimum chamfer dimension of outer ring back face
a	20 mm	Distance between the apexes of the pressure cones
d_1	68,8 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	0,42	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1,43	Dynamic axial load factor
Y_0	0,79	Static axial load factor

Additional information

	T3DB050	Comparative designation to ISO 10317 and ISO 355

Właściwości

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