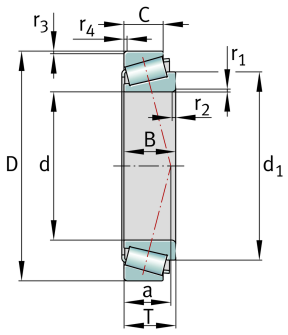
FAG

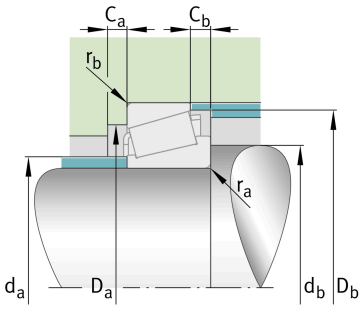
30307-A>A

Tapered roller bearing

Tapered roller bearings 303, 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	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width, inner ring
C	18 mm	Width, outer ring
T	22,75 mm	Width, total
C_r	73.000 N	Basic dynamic load rating, radial
C_{0r}	75.000 N	Basic static load rating, radial
C_{ur}	8.700 N	Fatigue load limit, radial
n_G	9.700 1/min	Limiting speed
$n_{\vartheta r}$	6.500 1/min	Thermal speed rating
≈m	0,54 kg	Masa

Mounting dimensions

$d_{a\ max}$	45 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	44 mm	Minimum diameter of shaft shoulder
$D_{a\ min}$	70 mm	Minimum diameter of housing shoulder
$D_{a\ max}$	71 mm	Maximum diameter of housing shoulder
$D_{b\ min}$	74 mm	Minimum diameter of housing shoulder
$C_{a\ min}$	3 mm	Minimum axial space
$C_{b\ min}$	4,5 mm	Minimum axial space
$r_{a\ max}$	2 mm	Maximum fillet radius of shaft
$r_{b\ max}$	1,5 mm	Maximum fillet radius of housing

Dimensions

$r_{1,\ 2\ min}$	2 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	16 mm	Distance between the apexes of the pressure cones
d_1	55,7 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	0,32	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1,9	Dynamic axial load factor
Y_0	1,05	Static axial load factor

Additional information

	T2FB035	Comparative designation to ISO 10317 and ISO 355

Właściwości

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