



FAG

30336

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	
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	180 mm	Bore diameter
D	380 mm	Outside diameter
B	75 mm	Width, inner ring
C	64 mm	Width, outer ring
T	83 mm	Width, total
C_r	1.120.000 N	Basic dynamic load rating, radial
C_{0r}	1.470.000 N	Basic static load rating, radial
C_{ur}	158.000 N	Fatigue load limit, radial
n_G	1.880 1/min	Limiting speed
n_{gr}	1.250 1/min	Thermal speed rating
$\approx m$	41 kg	Masa



Mounting dimensions

d _a max	230 mm	Maximum diameter of shaft shoulder
d _b min	197 mm	Minimum diameter of shaft shoulder
D _a min	327 mm	Minimum diameter of housing shoulder
D _a max	359 mm	Maximum diameter of housing shoulder
D _b min	350 mm	Minimum diameter of housing shoulder
C _a min	10 mm	Minimum axial space
C _b min	19 mm	Minimum axial space
r _a max	5 mm	Maximum fillet radius of shaft
r _b max	4 mm	Maximum fillet radius of housing

Dimensions

r _{1, 2} min	5 mm	Minimum chamfer dimension of inner ring back face
r _{3, 4} min	4 mm	Minimum chamfer dimension of outer ring back face
a	69 mm	Distance between the apexes of the pressure cones
d ₁	267 mm	Guidance rib diameter of inner ring

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.

Calculation factors

e	0,35	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1,74	Dynamic axial load factor
Y ₀	0,96	Static axial load factor



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Łożysko gabarytowe