



FAG

30302-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	
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	15 mm	Bore diameter
D	42 mm	Outside diameter
B	13 mm	Width, inner ring
C	11 mm	Width, outer ring
T	14,25 mm	Width, total
C _r	23.000 N	Basic dynamic load rating, radial
C _{0r}	20.500 N	Basic static load rating, radial
C _{ur}	2.160 N	Fatigue load limit, radial
n _G	19.800 1/min	Limiting speed
n _{gr}	12.100 1/min	Thermal speed rating
≈m	93 g	Masa



Mounting dimensions

d _a max	22 mm	Maximum diameter of shaft shoulder
d _b min	21 mm	Minimum diameter of shaft shoulder
D _a min	36 mm	Minimum diameter of housing shoulder
D _a max	36 mm	Maximum diameter of housing shoulder
D _b min	38 mm	Minimum diameter of housing shoulder
C _a min	2 mm	Minimum axial space
C _b min	3 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	10 mm	Distance between the apexes of the pressure cones
d ₁	28,15 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	0,29	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	2,11	Dynamic axial load factor
Y ₀	1,16	Static axial load factor

Additional information

T2FB015	Comparative designation to ISO 10317 and ISO 355
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Właściwości

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