



FAG

32252-XL

Tapered roller bearing

Tapered roller bearings 322, main dimensions
acc. to DIN 720, separable

X-life

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	XL	X-life
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	260 mm	Bore diameter
D	480 mm	Outside diameter
B	130 mm	Width, inner ring
C	106 mm	Width, outer ring
T	137 mm	Width, total
C _r	2.650.000 N	Basic dynamic load rating, radial
C _{0r}	3.800.000 N	Basic static load rating, radial
C _{ur}	435.000 N	Fatigue load limit, radial
n _G	1.630 1/min	Limiting speed
n _{gr}	690 1/min	Thermal speed rating
m	104 kg	Masa



Mounting dimensions

d a max	306 mm	Maximum diameter of shaft shoulder
d b min	280 mm	Minimum diameter of shaft shoulder
D a min	401 mm	Minimum diameter of housing shoulder
D a max	457 mm	Maximum diameter of housing shoulder
D b min	455 mm	Minimum diameter of housing shoulder
C a min	14 mm	Minimum axial space
C b min	31 mm	Minimum axial space
r a max	6 mm	Maximum fillet radius of shaft
r b max	5 mm	Maximum fillet radius of housing

Dimensions

r 1, 2 min	6 mm	Minimum chamfer dimension of inner ring back face
r 3, 4 min	5 mm	Minimum chamfer dimension of outer ring back face
a	113 mm	Distance between the apexes of the pressure cones
d 1	366 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	0,43	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1,39	Dynamic axial load factor
Y 0	0,77	Static axial load factor



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Łożysko gabarytowe