



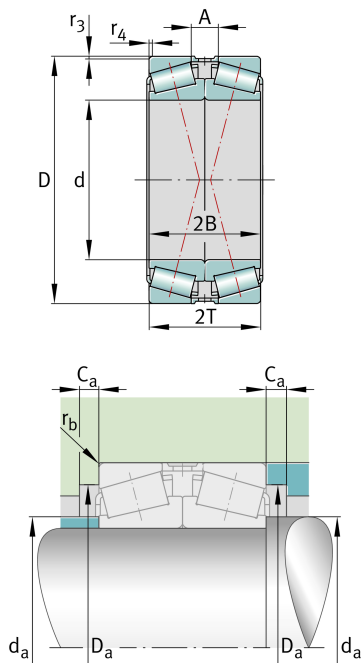
FAG

30220-A-DF-A220-270

Tapered roller bearing set

Tapered roller bearing set 302...-DF, X-arrangement

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
Axial internal clearance	A220-270	Axial internal clearance between 220 and 270 µm
Quality level	Standard	
Matched arrangement	F	X arrangement
Number of rows	2	Double-row design

Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	180 mm	Outside diameter
2B	68 mm	Inner ring total width
2T	74 mm	Outer ring total width
C _r	430.000 N	Basic dynamic load rating, radial
C _{0r}	650.000 N	Basic static load rating, radial
C _{ur}	72.000 N	Fatigue load limit, radial
n _G	4.000 1/min	Limiting speed
n _{gr}	2.650 1/min	Thermal speed rating
≈m	7,67 kg	Masa



Mounting dimensions

$d_{a\max}$	116 mm	Maximum diameter of shaft shoulder
$D_{a\min}$	157 mm	Minimum diameter of housing shoulder
$D_{a\max}$	168 mm	Maximum diameter of housing shoulder
$C_{a\min}$	5 mm	Minimum axial space
$r_{b\max}$	2,5 mm	Maximum fillet radius of housing

Dimensions

$r_{3,4\min}$	2,5 mm	Minimum chamfer dimension of outer ring back face
A	16 mm	Width of spacer

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

Calculation factors

e	0,42	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,61	Dynamic axial load factor
Y_2	2,39	Dynamic axial load factor
Y_0	1,57	Static axial load factor

Właściwości

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