



FAG

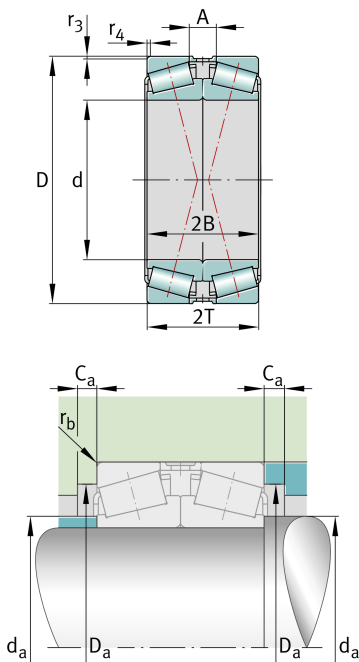
32030-X-XL-DF-A120-170

Tapered roller bearing set

Tapered roller bearing set 320...-DF, X-arrangement

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Tolerance class	P6X	Class 6X (ISO 492:2023)
Heat treatment	Standard	
Cage	Standard	Sheet steel cage, window cage, roller-guided
Axial internal clearance	A120-170	Axial internal clearance between 120 and 170 µm
Quality level	XL	X-life
Matched arrangement	F	X arrangement
Number of rows	2	Double-row design

Main Dimensions & Performance Data

d	150 mm	Bore diameter
D	225 mm	Outside diameter
2B	96 mm	Inner ring total width
2T	96 mm	Outer ring total width
C _r	820.000 N	Basic dynamic load rating, radial
C _{0r}	1.350.000 N	Basic static load rating, radial
C _{ur}	193.000 N	Fatigue load limit, radial
n _G	3.550 1/min	Limiting speed
n _{gr}	1.650 1/min	Thermal speed rating
≈m	13,32 kg	Masa



Mounting dimensions

$d_{a\ max}$	164 mm	Maximum diameter of shaft shoulder
$D_{a\ min}$	200 mm	Minimum diameter of housing shoulder
$D_{a\ max}$	213 mm	Maximum diameter of housing shoulder
$C_{a\ min}$	8 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	24 mm	Width of spacer

Temperature range

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

Calculation factors

e	0,46	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,47	Dynamic axial load factor
Y_2	2,19	Dynamic axial load factor
Y_0	1,44	Static axial load factor

Właściwości

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