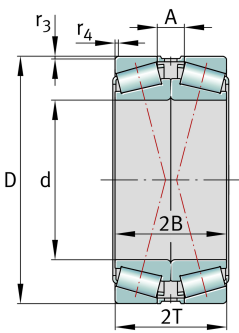


**FAG****32944-DF-A420-470**

Tapered roller bearing set

Tapered roller bearing set 329...-DF, X-arrangement

Technical information

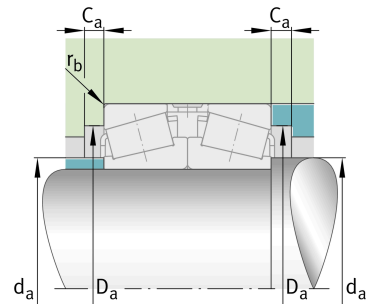


Your current product variant

Tolerance class	PN	Normal (ISO 492:2023)
Heat treatment	Standard	
Cage	Standard	Sheet steel cage, window cage, roller-guided
Axial internal clearance	A420-470	Axial internal clearance between 420 and 470 µm
Quality level	Standard	
Matched arrangement	F	X arrangement
Number of rows	2	Double-row design

Main Dimensions & Performance Data

d	220 mm	Bore diameter
D	300 mm	Outside diameter
2B	102 mm	Inner ring total width
2T	102 mm	Outer ring total width
C _r	850.000 N	Basic dynamic load rating, radial
C _{0r}	1.960.000 N	Basic static load rating, radial
C _{ur}	225.000 N	Fatigue load limit, radial
n _G	2.150 1/min	Limiting speed
n _{gr}	1.060 1/min	Thermal speed rating
m	21,1 kg	Weight





Mounting dimensions

$d_{a \max}$	234 mm	Maximum diameter of shaft shoulder
$D_{a \min}$	275 mm	Minimum diameter of housing shoulder
$D_{a \max}$	288 mm	Maximum diameter of housing shoulder
$C_{a \min}$	9 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	0,43	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,59	Dynamic axial load factor
Y_2	2,36	Dynamic axial load factor
Y_0	1,55	Static axial load factor

Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Grease Lubrication
	Oil Lubrication
	Not sealed