View product details on medias

15.06.2026, 02:16:17 UTC

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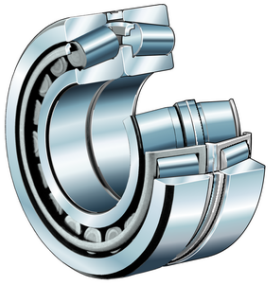


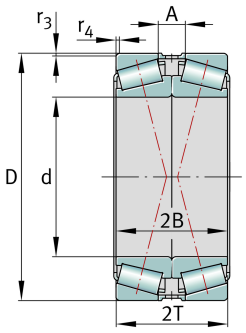
FAG

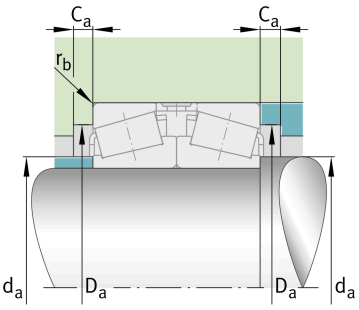
32944-DF-A420-470

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
$n_{\vartheta r}$	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 Fa/Fr 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