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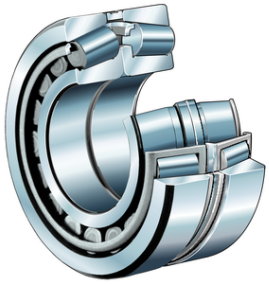


FAG

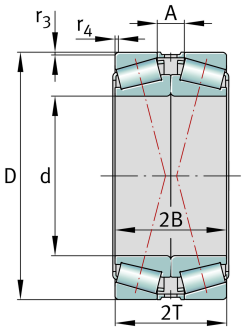
X-life

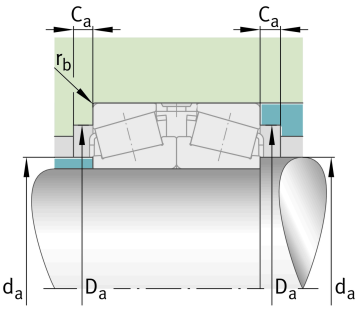
32044-X-XL-DF-J30PC-A400-450

Tapered roller bearing set

Tapered roller bearing set 320..-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	A400-450	Axial internal clearance between 400 and 450 µm
Quality level	XL	X-life
Matched arrangement	F	X arrangement
Number of rows	2	Double-row design

Main Dimensions & Performance Data

d	220 mm	Bore diameter
D	340 mm	Outside diameter
2B	152 mm	Inner ring total width
2T	152 mm	Outer ring total width
C_r	1.820.000 N	Basic dynamic load rating, radial
C_{0r}	3.300.000 N	Basic static load rating, radial
C_{ur}	415.000 N	Fatigue load limit, radial
n_G	2.290 1/min	Limiting speed
$n_{\vartheta r}$	920 1/min	Thermal speed rating
≈m	50 kg	Weight

Mounting dimensions

$d_{a\ max}$	243 mm	Maximum diameter of shaft shoulder
$D_{a\ min}$	300 mm	Minimum diameter of housing shoulder
$D_{a\ max}$	326 mm	Maximum diameter of housing shoulder
$C_{a\ min}$	12 mm	Minimum axial space
$r_{b\ max}$	3 mm	Maximum fillet radius of housing

Dimensions

$r_{3,\ 4\ min}$	3 mm	Minimum chamfer dimension of outer ring back face
A	38 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	1,57	Dynamic axial load factor
Y_2	2,34	Dynamic axial load factor
Y_0	1,53	Static axial load factor

Characteristics

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