View product details on medias

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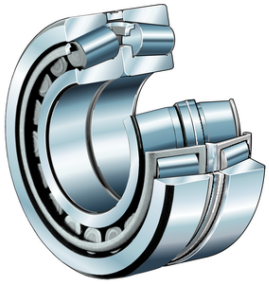


FAG

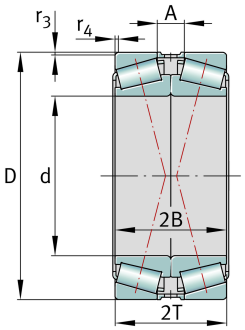
X-life

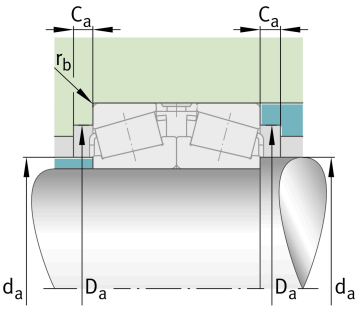
31322-X-XL-DF-A200-250

Tapered roller bearing set

Tapered roller bearing set 313..-DF, X-arrangement

Technical information





Your current product variant

Tolerance class	PN	Normal (ISO 492:2014)
Heat treatment	Standard	
Cage	Standard	Sheet steel cage, window cage, roller-guided
Axial internal clearance	A200-250	Axial internal clearance between 200 and 250 µm
Quality level	XL	X-life
Matched arrangement	F	X arrangement
Number of rolling element rows	2	Double-row design

Main Dimensions & Performance Data

d	110 mm	Bore diameter
D	240 mm	Outside diameter
2B	114 mm	Inner ring total width
2T	126 mm	Outer ring total width
C_r	940.000 N	Basic dynamic load rating, radial
C_{0r}	1.170.000 N	Basic static load rating, radial
C_{ur}	160.000 N	Fatigue load limit, radial
n_G	3.450 1/min	Limiting speed
$n_{\vartheta r}$	1.890 1/min	Thermal speed rating
≈m	26,1 kg	Weight

The data sheet only contains an overview of the technical data of the selected product. Please refer to the additional documentation for this product. For further information, please use the following link on our website: Contact form

Mounting dimensions

$d_{a\ max}$	135 mm	Maximum diameter of shaft shoulder
$D_{a\ min}$	188 mm	Minimum diameter of housing shoulder
$D_{a\ max}$	226 mm	Maximum diameter of housing shoulder
$C_{a\ min}$	7 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	50 mm	Width of spacer

Temperature range

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

Calculation factors

e	0,83	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	0,82	Dynamic axial load factor
Y_2	1,22	Dynamic axial load factor
Y_0	0,8	Static axial load factor

Characteristics

Radial load

Axial load in one direction

Axial load in two directions


Grease Lubrication


Oil Lubrication


Not sealed