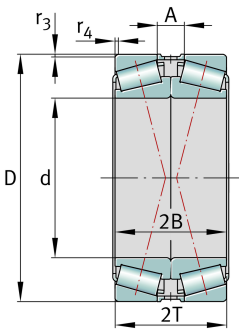


**FAG****30220-A-DF-A80-120**

Tapered roller bearing set

Tapered roller bearing set 302...-DF, X-arrangement

Technical information

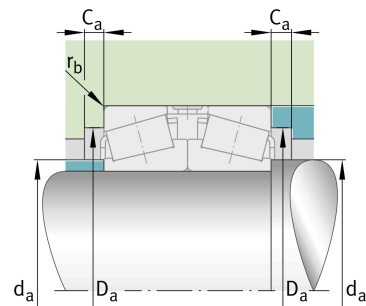


Your current product variant

Tolerance class	PN	Normal (ISO 492:2023)
Heat treatment	Standard	
Cage	Standard	Sheet steel cage, window cage, roller-guided
Axial internal clearance	A80-120	Axial internal clearance between 80 and 120 µm
Quality level	Standard	
Matched arrangement	F	X arrangement
Number of rows	2	Double-row design

Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	180 mm	Outside diameter
2B	68 mm	Inner ring total width
2T	74 mm	Outer ring total width
C_r	430.000 N	Basic dynamic load rating, radial
C_{0r}	650.000 N	Basic static load rating, radial
C_{ur}	72.000 N	Fatigue load limit, radial
n_G	4.000 1/min	Limiting speed
n_{gr}	2.650 1/min	Thermal speed rating
$\approx m$	7,685 kg	Weight





Mounting dimensions

$d_{a \max}$	116 mm	Maximum diameter of shaft shoulder
$D_{a \min}$	157 mm	Minimum diameter of housing shoulder
$D_{a \max}$	168 mm	Maximum diameter of housing shoulder
$C_{a \min}$	5 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	16 mm	Width of spacer







Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.

Calculation factors

e	0,42	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,61	Dynamic axial load factor
Y_2	2,39	Dynamic axial load factor
Y_0	1,57	Static axial load factor

Characteristics

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