



FAG

32240-XL-DF-A500-550>B

Tapered roller bearing set

Tapered roller bearing set 322...-DF, X-arrangement

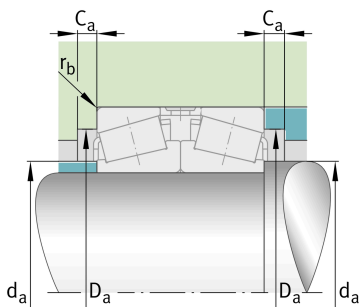
X-life

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	A500-550	Axial internal clearance between 500 and 550 µm
Quality level	XL	X-life
Matched arrangement	F	X arrangement
Version code	>B	Not marked on bearing
Number of rows	2	Double-row design



Main Dimensions & Performance Data

d	200 mm	Bore diameter
D	360 mm	Outside diameter
2B	196 mm	Inner ring total width
2T	208 mm	Outer ring total width
C _r	2.700.000 N	Basic dynamic load rating, radial
C _{0r}	4.150.000 N	Basic static load rating, radial
C _{ur}	520.000 N	Fatigue load limit, radial
n _G	2.230 1/min	Limiting speed
n _{gr}	890 1/min	Thermal speed rating
≈m	89 kg	Weight



Mounting dimensions

$d_{a \max}$	226 mm	Maximum diameter of shaft shoulder
$D_{a \min}$	302 mm	Minimum diameter of housing shoulder
$D_{a \max}$	342 mm	Maximum diameter of housing shoulder
$C_{a \min}$	11 mm	Minimum axial space
$r_{b \max}$	4 mm	Maximum fillet radius of housing

Dimensions

$r_{3,4 \min}$	4 mm	Minimum chamfer dimension of outer ring back face
A	44 mm	Width of spacer

Temperature range

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

Calculation factors

e	0,41	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,66	Dynamic axial load factor
Y_2	2,47	Dynamic axial load factor
Y_0	1,62	Static axial load factor

Characteristics

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