

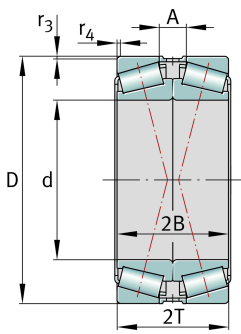
**FAG****32048-X-XL-DF-A700-750**

Tapered roller bearing set

Tapered roller bearing set 320...-DF, X-arrangement

**X-life**

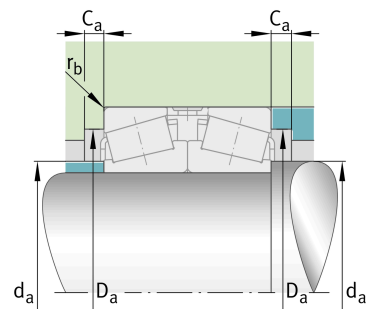
## Technical information

**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	A700-750	Axial internal clearance between 700 and 750 µm
Quality level	XL	X-life
Matched arrangement	F	X arrangement
Number of rows	2	Double-row design

**Main Dimensions & Performance Data**

d	240 mm	Bore diameter
D	360 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
$C_{0r}$	3.350.000 N	Basic static load rating, radial
$C_{ur}$	420.000 N	Fatigue load limit, radial
$n_G$	2.150 1/min	Limiting speed
$n_{gr}$	870 1/min	Thermal speed rating
$\approx m$	54 kg	Weight





### Mounting dimensions

$d_{a \max}$	261 mm	Maximum diameter of shaft shoulder
$D_{a \min}$	318 mm	Minimum diameter of housing shoulder
$D_{a \max}$	346 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	0,46	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	1,47	Dynamic axial load factor
$Y_2$	2,19	Dynamic axial load factor
$Y_0$	1,44	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