View product details on medias

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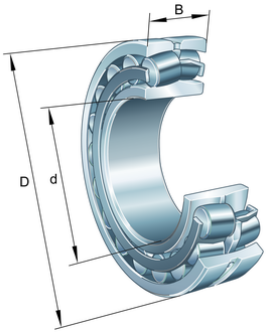


FAG

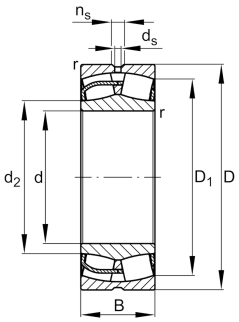
X-life

24026-BE-XL

Spherical Roller Bearing

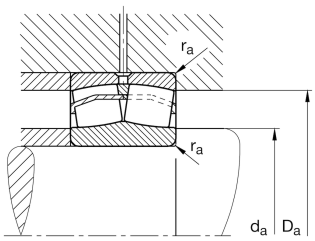
Spherical roller bearing 240..-BE-XL,
symmetric with rib washer

Technical information



Your current product variant

Design	BE	With lose center lip ring
Bore type	Z	Cylindrical
Cage	JPB	Sheet metal cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication facility	Standard	



Main Dimensions & Performance Data

d	130 mm	Bore diameter
D	200 mm	Outside diameter
B	69 mm	Width
C_r	570.000 N	Basic dynamic load rating, radial
C_{0r}	860.000 N	Basic static load rating, radial
C_{ur}	103.000 N	Fatigue load limit, radial
n_G	3.100 1/min	Limiting speed
$n_{\vartheta r}$	2.130 1/min	Reference speed
≈m	7,769 kg	Weight

Mounting dimensions

$d_{a\ min}$	138,8 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	191,2 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2 mm	Maximum recess radius

Dimensions

r_{min}	2 mm	Minimum chamfer dimension
D_1	176,1 mm	Bore diameter outer ring
d_2	146,2 mm	Raceway diameter of the inner ring
d_s	3,2 mm	Diameter lubrication hole
n_s	6,5 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,31	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	2,21	Dynamic axial load factor
Y_2	3,29	Dynamic axial load factor
Y_0	2,16	Static axial load factor

Characteristics

Radial load

Axial load in one direction

Axial load in two directions


Grease Lubrication


Oil Lubrication


Not sealed


Static angular error and misalignment


Dynamic angular error and misalignment