View product details on medias

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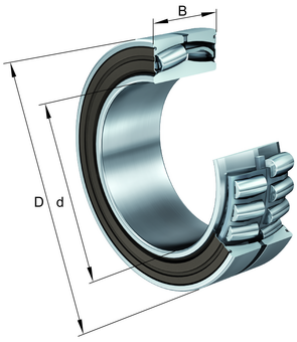
SCHAEFFLER



FAG

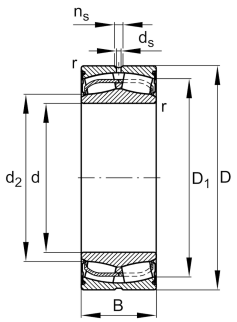
X-life

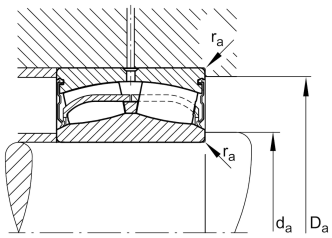
24124-BE-XL-2VSR-H40

Spherical Roller Bearing

Spherical roller bearing 241..-BE-XL-2VSR-H40, 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	H40	Without lubricating groove and holes
Sealing	2VSR	Seals on both sides, high temperature

Main Dimensions & Performance Data

d	120 mm	Bore diameter
D	200 mm	Outside diameter
B	80 mm	Width
C_r	680.000 N	Basic dynamic load rating, radial
C_{0r}	950.000 N	Basic static load rating, radial
C_{ur}	103.000 N	Fatigue load limit, radial
n_G	740 1/min	Limiting speed
≈m	9,901 kg	Weight

Mounting dimensions

$d_{a\ min}$	131 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	189 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2 mm	Maximum recess radius

Dimensions

r_{min}	2 mm	Minimum chamfer dimension
D_1	184,5 mm	Bore diameter outer ring
d_2	131,1 mm	Raceway diameter of the inner ring

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	180 °C	Operating temperature max.

Calculation factors

e	0,37	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	1,84	Dynamic axial load factor
Y_2	2,74	Dynamic axial load factor
Y_0	1,8	Static axial load factor

Characteristics

- Radial load
- Axial load in one direction
- Axial load in two directions
- Lifetime lubrication, freedom from maintenance
- Grease Lubrication
- Sealed on both sides
- Static angular error and misalignment
- Dynamic angular error and misalignment