



FAG

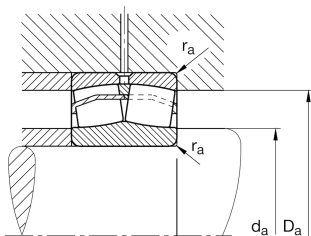
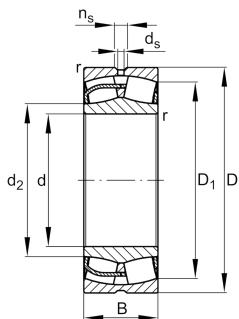
X-life

24040-BE-XL-H40AB

Spherical Roller Bearing

Spherical roller bearing 240...-BE-XL-H40AB,
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	H40AB	6 lubricating holes at the inner ring

Main Dimensions & Performance Data

d	200 mm	Bore diameter
D	310 mm	Outside diameter
B	109 mm	Width
C _r	1.350.000 N	Basic dynamic load rating, radial
C _{0r}	2.150.000 N	Basic static load rating, radial
C _{ur}	221.000 N	Fatigue load limit, radial
n _G	2.010 1/min	Limiting speed
n _{gr}	1.240 1/min	Reference speed
≈m	29,672 kg	Weight



Mounting dimensions

$d_{a \min}$	210,2 mm	Minimum diameter shaft shoulder
$D_{a \max}$	299,8 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum recess radius

Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
D_1	271,6 mm	Bore diameter outer ring
d_2	223,6 mm	Raceway diameter of the inner ring
d_s	6,3 mm	Diameter lubrication hole
n_s	12,2 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,32	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,13	Dynamic axial load factor
Y_2	3,17	Dynamic axial load factor
Y_0	2,08	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