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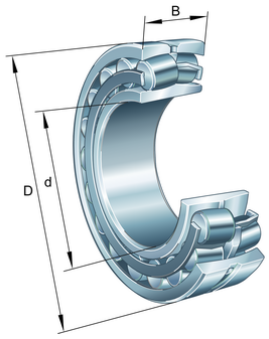
SCHAEFFLER



FAG

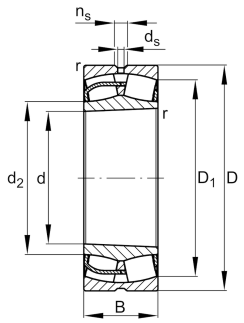
X-life

22238-BE-XL-K-C4

Spherical Roller Bearing

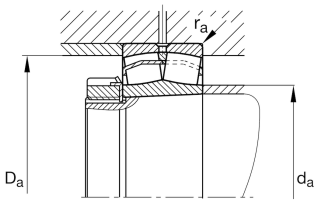
Spherical roller bearings 222..-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

Technical information



Your current product variant

Design	BE	With lose center lip ring
Bore type	K	Tapered, taper 1:12
Cage	JPB	Sheet metal cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication	Standard	



Main Dimensions & Performance Data

d	190 mm	Bore diameter
D	340 mm	Outside diameter
B	92 mm	Width
C_r	1.360.000 N	Basic dynamic load rating, radial
C_{0r}	1.760.000 N	Basic static load rating, radial
C_{ur}	164.000 N	Fatigue load limit, radial
n_G	2.480 1/min	Limiting speed
$n_{\vartheta r}$	1.620 1/min	Reference speed
≈m	34,645 kg	Weight

The data sheet only contains an overview of the technical data of the selected product. Please refer to the additional documentation for this product. For further information, please use the following link on our website: Contact form

Mounting dimensions

$d_{a\ min}$	207 mm	Minimum diameter shaft shoulder
$d_{a\ max}$	223 mm	Maximum diameter of shaft shoulder
$D_{a\ max}$	323 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	3 mm	Maximum recess radius
$d_{b\ min}$	202 mm	Minimum cavity diameter of the sleeve
$B_{a\ min}$	21 mm	Minimum cavity width of the sleeve

Dimensions

r_{min}	4 mm	Minimum chamfer dimension
D_1	295,2 mm	Bore diameter outer ring
d_2	225,2 mm	Raceway diameter of the inner ring
d_s	9,5 mm	Diameter lubrication hole
n_s	17,7 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,26	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	2,6	Dynamic axial load factor
Y_2	3,87	Dynamic axial load factor
Y_0	2,54	Static axial load factor

Additional information

	H3138	Adapter sleeve
	AH2238G	Withdrawal sleeve

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Characteristics

Radial load

Axial load in one direction

Axial load in two directions

Grease Lubrication

Oil Lubrication

Not sealed

Large bearing

Static angular error and misalignment

Dynamic angular error and misalignment

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