

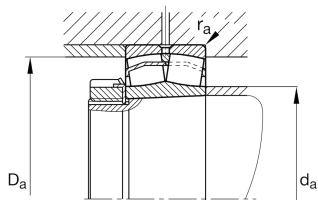
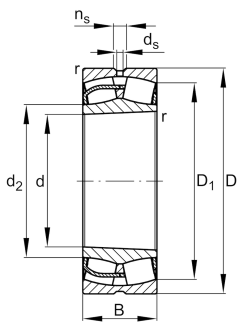
**FAG****22238-BE-XL-K-C4**

Spherical Roller Bearing

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

X-life

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 feature	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 _{gr}	1.620 1/min	Reference speed
≈m	34,65 kg	Weight



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



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