

FAG

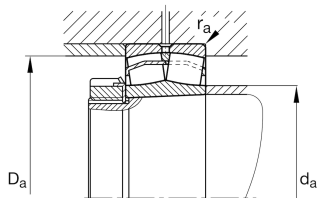
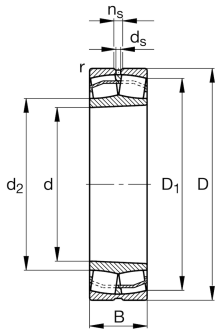
X-life

22222-E1-XL-K

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	E1	Without central rip
Bore type	K	Tapered, taper 1:12
Cage	JPA	Sheet metal cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication facility	Standard	

Main Dimensions & Performance Data

d	110 mm	Bore diameter
D	200 mm	Outside diameter
B	53 mm	Width
C _r	550.000 N	Basic dynamic load rating, radial
C _{0r}	600.000 N	Basic static load rating, radial
C _{ur}	64.000 N	Fatigue load limit, radial
n _G	4.100 1/min	Limiting speed
n _{gr}	3.000 1/min	Reference speed
≈m	6,912 kg	Weight



Mounting dimensions

d _{a min}	122 mm	Minimum diameter shaft shoulder
d _{a max}	129 mm	Maximum diameter of shaft shoulder
D _{a max}	188 mm	Maximum diameter of housing shoulder
r _{a max}	2,1 mm	Maximum recess radius
d _{b min}	118 mm	Minimum cavity diameter of the sleeve
B _{a min}	6 mm	Minimum cavity width of the sleeve

Dimensions

r _{min}	2,1 mm	Minimum chamfer dimension
D ₁	178,7 mm	Bore diameter outer ring
d ₂	129,4 mm	Raceway diameter of the inner ring
d _s	4,8 mm	Diameter lubrication hole
n _s	9,5 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,25	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,71	Dynamic axial load factor
Y ₂	4,04	Dynamic axial load factor
Y ₀	2,65	Static axial load factor

Additional information

H322	Adapter sleeve
AHX3122	Withdrawal sleeve



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