



FAG

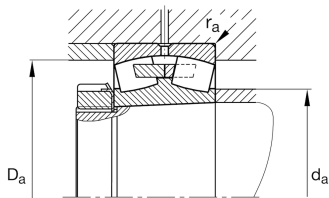
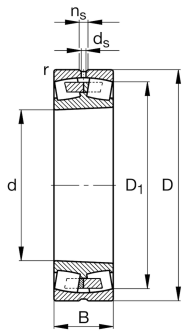
22213-E1A-XL-K-M-C3

Spherical Roller Bearing

Spherical roller bearing 222...-E1A-XL-K-M,
symmetric 2 outer ribs

X-life

Technical information



Your current product variant

Design	E1A	Without central rip
Bore type	K	Tapered, taper 1:12
Cage	M	Brass Cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication facility	Standard	

Main Dimensions & Performance Data

d	65 mm	Bore diameter
D	120 mm	Outside diameter
B	31 mm	Width
C _r	202.000 N	Basic dynamic load rating, radial
C _{0r}	210.000 N	Basic static load rating, radial
C _{ur}	26.500 N	Fatigue load limit, radial
n _G	7.000 1/min	Limiting speed
n _{gr}	4.200 1/min	Reference speed
≈m	1,5 kg	Weight

Mounting dimensions

d _{a min}	74 mm	Minimum diameter shaft shoulder
D _{a max}	111 mm	Maximum diameter of housing shoulder
r _{a max}	1,5 mm	Maximum recess radius



Dimensions

r_{\min}	1,5 mm	Minimum chamfer dimension
D_1	107,3 mm	Bore diameter outer ring
d_2	79,1 mm	Raceway diameter of the inner ring
d_s	3,2 mm	Diameter lubrication hole
n_s	6,5 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,24	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,81	Dynamic axial load factor
Y_2	4,19	Dynamic axial load factor
Y_0	2,75	Static axial load factor

Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed



Dynamic angular error and misalignment