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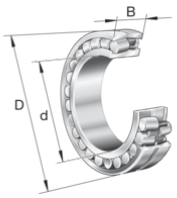


FAG

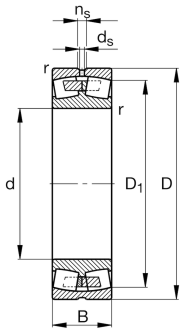
22234-E1A-XL-M

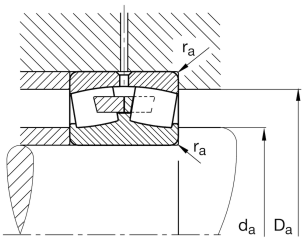
Spherical Roller Bearing

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

X-life

Technical information





Your current product variant

Design	E1A	Without central rip
Bore type	Z	Cylindrical
Cage	M	Brass Cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication facility	Standard	

Main Dimensions & Performance Data

d	170 mm	Bore diameter
D	310 mm	Outside diameter
B	86 mm	Width
C_r	1.320.000 N	Basic dynamic load rating, radial
C_{0r}	1.570.000 N	Basic static load rating, radial
C_{ur}	144.000 N	Fatigue load limit, radial
n_G	2.550 1/min	Limiting speed
$n_{\vartheta r}$	1.780 1/min	Reference speed
≈m	27,55 kg	Weight

Mounting dimensions

$d_{a\ min}$	187 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	293 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	3 mm	Maximum recess radius

Dimensions

r_{min}	4 mm	Minimum chamfer dimension
D_1	275,4 mm	Bore diameter outer ring
d_2	199,8 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

Characteristics

Radial load

Axial load in one direction

Axial load in two directions


Grease Lubrication


Oil Lubrication


Static angular error and misalignment