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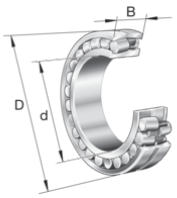


FAG

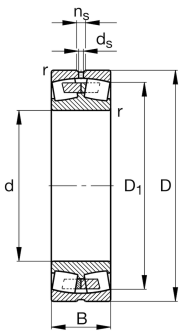
23322-E1A-XL-MA1-T41A

Spherical Roller Bearing

Spherical roller bearing 223..-E1A-XL-K-M, symmetric 2 outer ribs

X-life

Technical information



Your current product variant

Design	E1A	Without central rip
Bore type	Z	Cylindrical
Cage	MA1	Solid brass cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication	Standard	
Locating feature, bearing outer ring	Without	
Special material	Standard	
Spherical roller bearing for vibrating screens	T41A	For vibrating screens

Main Dimensions & Performance Data

d	110 mm	Bore diameter
D	240 mm	Outside diameter
B	92,1 mm	Width
C_r	1.020.000 N	Basic dynamic load rating, radial
C_{0r}	1.130.000 N	Basic static load rating, radial
C_{ur}	103.000 N	Fatigue load limit, radial
n_G	2.800 1/min	Limiting speed
≈m	21 kg	Weight

Mounting dimensions

$d_{a\ min}$	124 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	226 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2,5 mm	Maximum recess radius

Dimensions

r_{min}	3 mm	Minimum chamfer dimension
D_1	199,8 mm	Bore diameter outer ring
d_2	136 mm	Raceway diameter of the inner ring
d_s	6,3 mm	Diameter lubrication hole
n_s	12,2 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,39	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	1,72	Dynamic axial load factor
Y_2	2,56	Dynamic axial load factor
Y_0	1,68	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


Dynamic angular error and misalignment