View product details on medias

19.06.2026, 01:53:05 UTC

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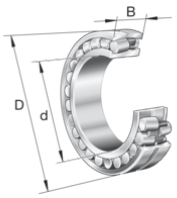


FAG

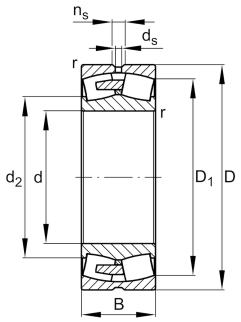
22338-BEA-XL-MA1-T41A

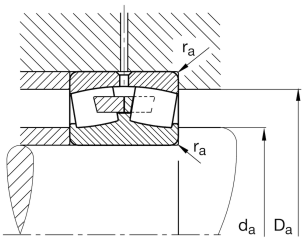
Spherical Roller Bearing

Spherical roller bearing 223..-BEA-XL-MA1-T41A, symmetric 2 outer ribs with rib washer

X-life

Technical information





Your current product variant

Design	BEA	With lose center lip ring
Bore type	Z	Cylindrical
Cage	MA	Solid brass cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication facility	Standard	
Locating feature, bearing outer ring	Without	
Handling thread holes	Without	
Special material	Standard	
Spherical roller bearing for vibrating screens	T41A	For vibrating screens

Main Dimensions & Performance Data

d	190 mm	Bore diameter
D	400 mm	Outside diameter
B	132 mm	Width
C_r	2.220.000 N	Basic dynamic load rating, radial
C_{0r}	2.650.000 N	Basic static load rating, radial
C_{ur}	207.000 N	Fatigue load limit, radial
n_G	1.940 1/min	Limiting speed
$n_{\vartheta r}$	1.160 1/min	Reference speed
≈m	81,605 kg	Weight

The data sheet only contains an overview of the technical data of the selected product. Please refer to the additional documentation for this product. For further information, please use the following link on our website: Contact form

Mounting dimensions

$d_{a\ min}$	210 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	380 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	4 mm	Maximum recess radius
$d_{a\ max}$	228 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	206 mm	Minimum cavity diameter of the sleeve
$B_{a\ min}$	9 mm	Minimum cavity width of the sleeve

Dimensions

r_{min}	5 mm	Minimum chamfer dimension
D_1	338,1 mm	Bore diameter outer ring
d_s	12,5 mm	Diameter lubrication hole
n_s	23,5 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,34	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	1,96	Dynamic axial load factor
Y_2	2,92	Dynamic axial load factor
Y_0	1,92	Static axial load factor

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