



FAG

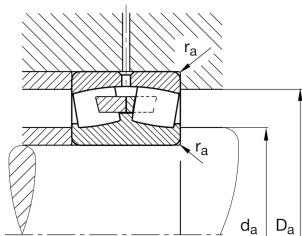
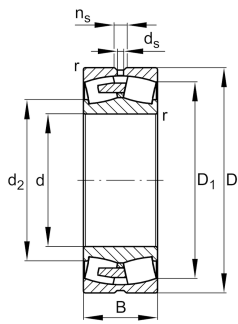
22336-BEA-XL-MA1-T41A

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	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	180 mm	Bore diameter
D	380 mm	Outside diameter
B	126 mm	Width
C_r	2.060.000 N	Basic dynamic load rating, radial
C_{0r}	2.460.000 N	Basic static load rating, radial
C_{ur}	190.000 N	Fatigue load limit, radial
n_G	2.030 1/min	Limiting speed
n_{gr}	1.230 1/min	Reference speed
$\approx m$	70,46 kg	Weight



Mounting dimensions

$d_{a \min}$	197 mm	Minimum diameter shaft shoulder
$D_{a \max}$	363 mm	Maximum diameter of housing shoulder
$r_{a \max}$	3 mm	Maximum recess radius
$d_{a \max}$	217 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	195 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	8 mm	Minimum cavity width of the sleeve

Dimensions

r_{\min}	4 mm	Minimum chamfer dimension
D_1	320,8 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 F_a/F_r 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