



Technical information



Your current product variant

Design	BE	With lose center lip ring
Bore type	Z	Cylindrical
Cage	JPA	Sheet metal cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication facility	Standard	
Spherical roller bearing for vibrating screens	T41A	For vibrating screens

Main Dimensions & Performance Data

d	220 mm	Bore diameter
D	460 mm	Outside diameter
B	145 mm	Width
C_r	2.800.000 N	Basic dynamic load rating, radial
C_{0r}	3.400.000 N	Basic static load rating, radial
C_{ur}	270.000 N	Fatigue load limit, radial
n_G	1.690 1/min	Limiting speed
n_{gr}	950 1/min	Reference speed
$\approx m$	115,46 kg	Weight



Mounting dimensions

$d_{a \min}$	240 mm	Minimum diameter shaft shoulder
$D_{a \max}$	440 mm	Maximum diameter of housing shoulder
$r_{a \max}$	4 mm	Maximum recess radius

Dimensions

r_{\min}	5 mm	Minimum chamfer dimension
D_1	391,1 mm	Bore diameter outer ring
d_2	273,4 mm	Raceway diameter of the inner 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	0,33	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,06	Dynamic axial load factor
Y_2	3,06	Dynamic axial load factor
Y_0	2,01	Static axial load factor



Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Large bearing
-  Static angular error and misalignment
-  Dynamic angular error and misalignment