



FAG

22328-E1-XL-T41A

Spherical Roller Bearing

Spherical roller bearing 223..-E1-XL-T41A, symmetric with cage guidance ring

X-life

Technical information



Your current product variant

Design	E1	Without central rip
Bore type	Z	Cylindrical
Cage	JPA	Sheet metal cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication	Standard	
Spherical roller bearing for vibrating screens	T41A	For vibrating screens

Main Dimensions & Performance Data

d	140 mm	Bore diameter
D	300 mm	Outside diameter
B	102 mm	Width
C_r	1.460.000 N	Basic dynamic load rating, radial
C_{0r}	1.630.000 N	Basic static load rating, radial
C_{ur}	135.000 N	Fatigue load limit, radial
n_G	2.420 1/min	Limiting speed
n_{gr}	1.660 1/min	Reference speed
m	32,9 kg	Weight



Mounting dimensions

$d_{a \min}$	157 mm	Minimum diameter shaft shoulder
$D_{a \max}$	283 mm	Maximum diameter of housing shoulder
$r_{a \max}$	3 mm	Maximum recess radius

Dimensions

r_{\min}	4 mm	Minimum chamfer dimension
D_1	255,7 mm	Bore diameter outer ring
d_2	173,5 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	0,34	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2	Dynamic axial load factor
Y_2	2,98	Dynamic axial load factor
Y_0	1,96	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