



FAG

X-life

22309-E1-XL-H40-T41A

Spherical Roller Bearing

Spherical roller bearing 223...-E1-XL-H40-T41A, symmetric with cage guidance ring

Informacje techniczne



Twoja aktualna wersja produktu

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 feature	H40	Without lubricating groove and holes
Spherical roller bearing for vibrating screens	T41A	For vibrating screens

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	36 mm	Width
C _r	187.000 N	Basic dynamic load rating, radial
C _{0r}	183.000 N	Basic static load rating, radial
C _{ur}	16.500 N	Fatigue load limit, radial
n _G	6.800 1/min	Limiting speed
n _{gr}	5.000 1/min	Reference speed
≈m	1,381 kg	Masa



Mounting dimensions

$d_{a\ min}$	54 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	91 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1,5 mm	Maximum recess radius

Dimensions

$r_{\ min}$	1,5 mm	Minimum chamfer dimension
D_1	84,7 mm	Bore diameter outer ring
d_2	58,9 mm	Raceway diameter of the inner ring

Temperature range

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

Calculation factors

e	0,36	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,9	Dynamic axial load factor
Y_2	2,83	Dynamic axial load factor
Y_0	1,86	Static axial load factor

Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia
	Nieosiowość statyczna
	Nieosiowość dynamiczna