



FAG

22205-E1-XL-K

Spherical Roller Bearing

Spherical roller bearings 222...-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	E1	Without central rip
Bore type	K	Tapered, taper 1:12
Cage	JPA	Sheet metal cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication	Standard	

Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	18 mm	Width
C _r	48.500 N	Basic dynamic load rating, radial
C _{0r}	42.500 N	Basic static load rating, radial
C _{ur}	4.900 N	Fatigue load limit, radial
n _G	14.400 1/min	Limiting speed
n _{gr}	9.200 1/min	Reference speed
≈m	0,168 kg	Masa



Mounting dimensions

$d_{a \min}$	30,6 mm	Minimum diameter shaft shoulder
$d_{a \max}$	31 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	46,4 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum recess radius
$d_{b \min}$	28 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	5 mm	Minimum cavity width of the sleeve

Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
D_1	44,4 mm	Bore diameter outer ring
d_2	31,5 mm	Raceway diameter of the inner ring
d_s	3,2 mm	Diameter lubrication hole
n_s	4,8 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	2,07	Dynamic axial load factor
Y_2	3,09	Dynamic axial load factor
Y_0	2,03	Static axial load factor

Additional information

H305

Adapter sleeve



Właściwości

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