



FAG

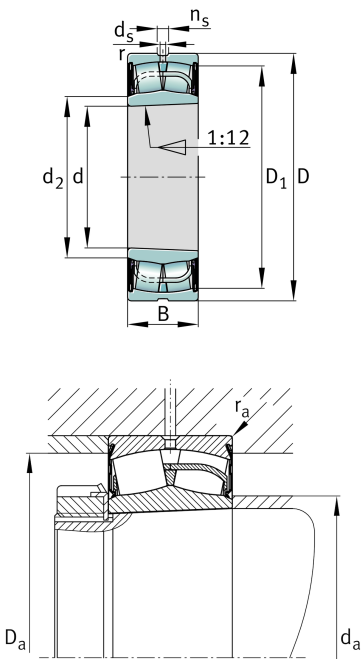
WS22224-E1-XL-K-2RSR

Spherical Roller Bearing

Spherical roller bearing WS222..-E1-XL-K-2RSR, symmetric with cage guidance ring

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 feature	Standard	
Type of Seal	2RSR	Seals on both sides, normal temperature
Sealing - excess width	WS	Sealing - excess width

Main Dimensions & Performance Data

d	120 mm	Bore diameter
D	215 mm	Outside diameter
B	69 mm	Width
C _r	640.000 N	Basic dynamic load rating, radial
C _{0r}	740.000 N	Basic static load rating, radial
C _{ur}	73.000 N	Fatigue load limit, radial
n _G	920 1/min	Limiting speed
≈m	10,269 kg	Masa



Mounting dimensions

$d_{a \min}$	132 mm	Minimum diameter shaft shoulder
$d_{a \max}$	136,8 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	203,4 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum recess radius
$d_{b \min}$	128 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	11 mm	Minimum cavity width of the sleeve

Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
D_1	203,4 mm	Bore diameter outer ring
d_2	136,8 mm	Raceway diameter of the inner ring
d_s	6,3 mm	Diameter lubrication hole
n_s	12,2 mm	Width of lubricating groove

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.

Calculation factors

e	0,25	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,71	Dynamic axial load factor
Y_2	4,04	Dynamic axial load factor
Y_0	2,65	Static axial load factor

Additional information

H2224-T-WS	Adapter sleeve
AH2224-WS	Withdrawal sleeve



Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Smarowanie dożywotnie, bezobsługowe
-  Smarowanie smarem
-  Uszczelnienie dwustronne
-  Nieosiowość statyczna
-  Nieosiowość dynamiczna