



FAG

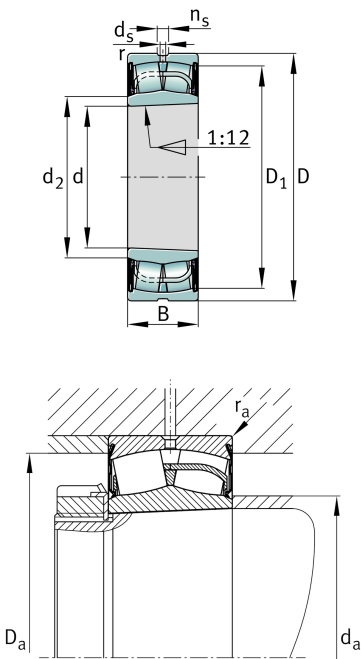
WS22211-E1-XL-K-2RSR

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	55 mm	Bore diameter
D	100 mm	Outside diameter
B	31 mm	Width
C _r	129.000 N	Basic dynamic load rating, radial
C _{0r}	130.000 N	Basic static load rating, radial
C _{ur}	17.700 N	Fatigue load limit, radial
n _G	2.250 1/min	Limiting speed
≈m	0,988 kg	Masa



Mounting dimensions

d _{a min}	63,5 mm	Minimum diameter shaft shoulder
d _{a max}	63,5 mm	Maximum diameter of shaft shoulder
D _{a max}	91,9 mm	Maximum diameter of housing shoulder
r _{a max}	1,5 mm	Maximum recess radius
d _{b min}	60 mm	Minimum cavity diameter of the sleeve
B _{a min}	10 mm	Minimum cavity width of the sleeve

Dimensions

r _{min}	1,5 mm	Minimum chamfer dimension
D ₁	91,9 mm	Bore diameter outer ring
d ₂	63,5 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}	100 °C	Operating temperature max.

Calculation factors

e	0,21	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	3,17	Dynamic axial load factor
Y ₂	4,72	Dynamic axial load factor
Y ₀	3,1	Static axial load factor

Additional information

H2211-T-WS	Adapter sleeve
AH2211-WS	Withdrawal sleeve



Właściwości

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