



FAG

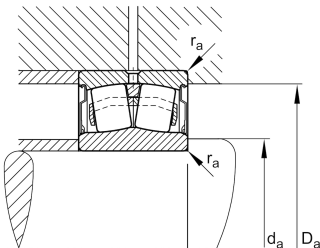
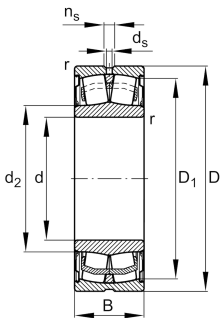
WS2220-E1-XL-2VSR

Spherical Roller Bearing

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

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	E1	Without central rip
Bore type	Z	Cylindrical
Cage	JPA	Sheet metal cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication feature	Standard	
Sealing	2VSR	Seals on both sides, high temperature
Sealing - excess width	WS	Sealing - excess width

Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	180 mm	Outside diameter
B	55 mm	Width
C _r	430.000 N	Basic dynamic load rating, radial
C _{0r}	475.000 N	Basic static load rating, radial
C _{ur}	53.000 N	Fatigue load limit, radial
n _G	1.140 1/min	Limiting speed
≈m	5,51 kg	Masa



Mounting dimensions

d _{a min}	112 mm	Minimum diameter shaft shoulder
D _{a max}	169,1 mm	Maximum diameter of housing shoulder
r _{a max}	2,1 mm	Maximum recess radius

Dimensions

r _{min}	2,1 mm	Minimum chamfer dimension
D ₁	169,1 mm	Bore diameter outer ring
d ₂	115 mm	Raceway diameter of the inner ring
d _s	4,8 mm	Diameter lubrication hole
n _s	9,5 mm	Width of lubricating groove

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	180 °C	Operating temperature max.

Calculation factors

e	0,24	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,84	Dynamic axial load factor
Y ₂	4,23	Dynamic axial load factor
Y ₀	2,78	Static axial load factor