



FAG

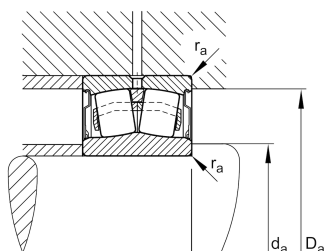
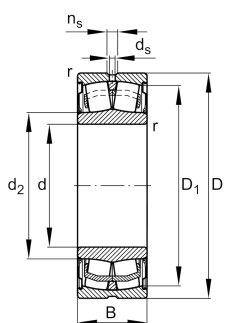
WS22210-E1-XL-2VSR-C4 [🔗](#)

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	C4 (Group 4)	Internal clearance larger than C3
Relubrication feature	Standard	
Type of Seal	2VSR	Seals on both sides, high temperature
Sealing - excess width	WS	Sealing - excess width

Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	90 mm	Outside diameter
B	28 mm	Width
C _r	109.000 N	Basic dynamic load rating, radial
C _{0r}	107.000 N	Basic static load rating, radial
C _{ur}	14.600 N	Fatigue load limit, radial
n _G	2.440 1/min	Limiting speed
≈m	0,71 kg	Masa



Mounting dimensions

$d_{a \min}$	56 mm	Minimum diameter shaft shoulder
$D_{a \max}$	83,1 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum recess radius

Dimensions

$r_{\min}$	1,1 mm	Minimum chamfer dimension
D_1	83,1 mm	Bore diameter outer ring
d_2	56 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.
$T_{\max}$	180 °C	Operating temperature max.

Calculation factors

e	0,23	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,95	Dynamic axial load factor
Y_2	4,4	Dynamic axial load factor
Y_0	2,89	Static axial load factor