



FAG

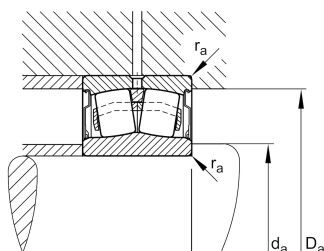
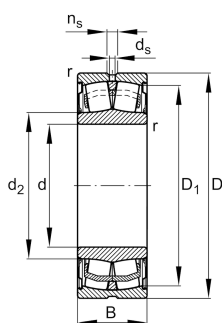
WS22218-E1-XL-2VSR-C4 [↗](#)

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	
Sealing	2VSR	Seals on both sides, high temperature
Sealing - excess width	WS	Sealing - excess width

Main Dimensions & Performance Data

d	90 mm	Bore diameter
D	160 mm	Outside diameter
B	48 mm	Width
C _r	345.000 N	Basic dynamic load rating, radial
C _{0r}	375.000 N	Basic static load rating, radial
C _{ur}	43.500 N	Fatigue load limit, radial
n _G	1.300 1/min	Limiting speed
≈m	3,8 kg	Masa



Mounting dimensions

$d_{a\ min}$	101 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	149 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2 mm	Maximum recess radius

Dimensions

$r_{\ min}$	2 mm	Minimum chamfer dimension
D_1	146,7 mm	Bore diameter outer ring
d_2	101,4 mm	Raceway diameter of the inner ring
d_s	3,2 mm	Diameter lubrication hole
n_s	6,5 mm	Width of lubricating groove

Temperature range

$T_{\ min}$	-30 °C	Operating temperature min.
$T_{\ max}$	180 °C	Operating temperature max.

Calculation factors

e	0,23	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,9	Dynamic axial load factor
Y_2	4,31	Dynamic axial load factor
Y_0	2,83	Static axial load factor



Właściwości

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