

FAG

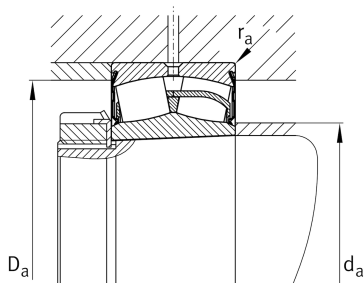
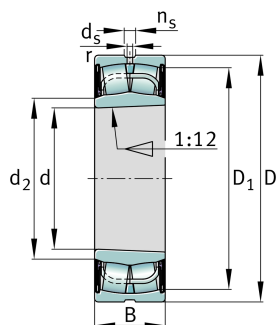
X-life

WS22210-E1-XL-K-2RSR [🔗](#)

Spherical Roller Bearing

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

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	
Sealing	2RSR	Seals on both sides, normal 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	0,67 kg	Masa



Mounting dimensions

$d_{a \min}$	56 mm	Minimum diameter shaft shoulder
$d_{a \max}$	56 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	83,1 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum recess radius
$d_{b \min}$	55 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	10 mm	Minimum cavity width of the sleeve

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.
$T_{\max}$	100 °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

Additional information

H2210-T-WS	Adapter sleeve
AH2210-WS	Withdrawal sleeve



Właściwości

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