



FAG

WS22213-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	Standard	
Sealing	2VSR	Seals on both sides, high temperature
Sealing - excess width	WS	Sealing - excess width

Main Dimensions & Performance Data

d	65 mm	Bore diameter
D	120 mm	Outside diameter
B	38 mm	Width
C _r	202.000 N	Basic dynamic load rating, radial
C _{0r}	210.000 N	Basic static load rating, radial
C _{ur}	26.500 N	Fatigue load limit, radial
n _G	1.740 1/min	Limiting speed
≈m	1,74 kg	Masa



Mounting dimensions

$d_{a \min}$	76,2 mm	Minimum diameter shaft shoulder
$D_{a \max}$	111 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum recess radius

Dimensions

$r_{\min}$	1,5 mm	Minimum chamfer dimension
D_1	110,2 mm	Bore diameter outer ring
d_2	76,2 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	0,24	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,81	Dynamic axial load factor
Y_2	4,19	Dynamic axial load factor
Y_0	2,75	Static axial load factor