

**FAG****WS22218-E1-XL-2VSR-H40-C4** [🔗](#)

Spherical Roller Bearing

Spherical roller bearing WS222..-E1-XL-2VSR-H40, 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	H40	Without lubricating groove and holes
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	3,844 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

Temperature range

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

Calculation factors

e	0,23	Limiting value of Fa/Fr 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