

FAG

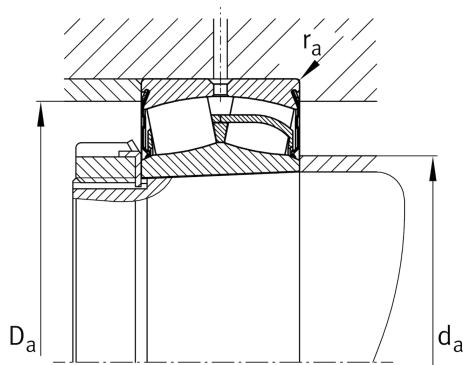
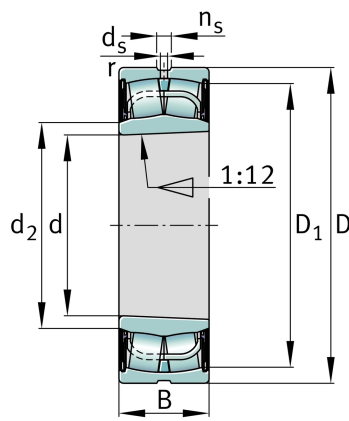
WS22211-E1-XL-K-2RSR

Spherical roller bearing

Schaeffler ID:
0821985600000Spherical roller bearing WS222...-E1-XL-
K-2RSR, symmetric with cage guidance
ring

X-life

Technical information



Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	100 mm	Outside diameter
B	31 mm	Width
C _r	129.000 N	Basic dynamic load rating, radial
C _{0r}	130.000 N	Basic static load rating, radial
C _{ur}	17.700 N	Fatigue load limit, radial
n _G	2.250 1/min	Limiting speed
	0,988 kg	Weight

Additional information

r _{min}	1,5 mm	Minimum chamfer dimension
	H311-T	Adapter sleeve
D ₁	91,9 mm	Bore diameter outer ring
d ₂	63,5 mm	Raceway diameter of the inner ring
d _s	3,2 mm	Diameter lubrication hole
n _s	4,8 mm	Width of lubricating groove

Mounting dimensions

d _{a min}	63,5 mm	Minimum diameter shaft shoulder
d _{a max}	63,5 mm	Maximum diameter of shaft shoulder
D _{a max}	91,9 mm	Maximum diameter of housing shoulder
r _{a max}	1,5 mm	Maximum recess radius
d _{b min}	60 mm	Minimum cavity diameter of the sleeve
B _{a min}	10 mm	Minimum cavity width of the sleeve

Calculation factors

e	0,21	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	3,17	Dynamic axial load factor
Y ₂	4,72	Dynamic axial load factor
Y ₀	3,1	Static axial load factor

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	100 °C	Operating temperature max.