



FAG

★ 22215-E1-XL

Spherical roller bearing

Schaeffler ID:
0167038800000Spherical roller bearings 222...-E1, main
dimensions to DIN 635-2

★ Preferred product

X-life

Technical information



Main Dimensions & Performance Data

d	75 mm	Bore diameter
D	130 mm	Outside diameter
B	31 mm	Width
C _r	216.000 N	Basic dynamic load rating, radial
C _{0r}	237.000 N	Basic static load rating, radial
C _{ur}	30.500 N	Fatigue load limit, radial
n _G	6.500 1/min	Limiting speed
n _{gr}	3.700 1/min	Reference speed
	1,668 kg	Weight

Additional information

r _{min}	1,5 mm	Minimum chamfer dimension
D ₁	117,7 mm	Bore diameter outer ring
d ₂	89,8 mm	Raceway diameter of the inner ring
d _s	3,2 mm	Diameter lubrication hole
n _s	6,5 mm	Width of lubricating groove

Mounting dimensions

d _{a min}	84 mm	Minimum diameter shaft shoulder
D _{a max}	121 mm	Maximum diameter of housing shoulder
r _{a max}	1,5 mm	Maximum recess radius

Calculation factors

e	0,22	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	3,1	Dynamic axial load factor
Y ₂	4,62	Dynamic axial load factor
Y ₀	3,03	Static axial load factor

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.