28.02.2024, 16:14:47 UTC SCHAEFFLER



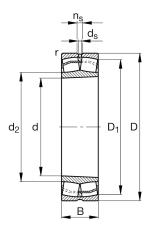
21312-E1-XL-K>A

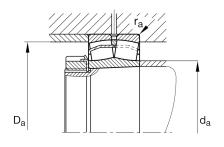
Spherical Roller Bearing

Schaeffler ID: 0933322890000

Spherical roller bearings 213..-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

Technical information





Main Dimensions & Performance Data

d	60 mm	Bore diameter
D	130 mm	Outside diameter
В	31 mm	Width
C _r	211,000 N	Basic dynamic load rating, radial
C _{0r}	226,000 N	Basic static load rating, radial
C ur	28,500 N	Fatigue load limit, radial
n _G	6,700 1/min	Limiting speed
n _{9r}	4,100 1/min	Reference speed
≈m	2.036 kg	Weight

Mounting dimensions

d _{a min}	72 mm	Minimum diameter shaft shoulder
d _{a max}	84 mm	Maximum diameter of shaft shoulder
D _{a max}	118 mm	Maximum diameter of housing shoulder
r _{a max}	2.1 mm	Maximum recess radius
d _{b min}	65 mm	Minimum cavity diameter of the sleeve
B _{a min}	5 mm	Minimum cavity width of the sleeve

Dimensions

r _{min}	2.1 mm	Minimum chamfer dimension
D ₁	112.5 mm	Bore diameter outer ring
d ₂	84.4 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}	200 °C	Operating temperature max.

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product. For further information you can use the contact form on our website.

28.02.2024, 16:14:47 UTC SCHAEFFLER

Calculation factors

е	0.23	Limiting value of Fa/Fr 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
Υ ₀	2.89	Static axial load factor

Additional information

H312	Adapter sleeve
AHX312	Withdrawal sleeve