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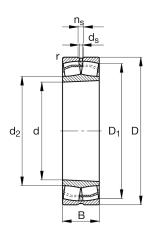
22205-E1-XL-K

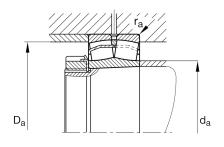
Spherical roller bearing

Schaeffler ID: 0190003160000

Spherical roller bearings 222..-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

Technical information





Main Dimensions & Performance Data

d	[25] mm	Bore diameter
D	[52] mm	Outside diameter
В	[18] mm	Width
C _r	[48.500] N	Basic dynamic load rating, radial
C _{0r}	[42.500] N	Basic static load rating, radial
C ur	[4.900] N	Fatigue load limit, radial
n _G	[14.400] 1/min	Limiting speed
n _{9r}	[9.200] 1/min	Reference speed
	[0,168] kg	\${Weight}

Mounting dimensions

d _{a min}	[30,6] mm	Minimum diameter shaft shoulder
d _{a max}	[31] mm	Maximum diameter of shaft shoulder
D _{a max}	[46,4] mm	Maximum diameter of housing shoulder
r _{a max}	[1] mm	Maximum recess radius
d _{b min}	[28] mm	Minimum cavity diameter of the sleeve
B _{a min}	[5] mm	Minimum cavity width of the sleeve

Dimensions

r _{min}	[1] mm	Minimum chamfer dimension
D ₁	[44,4] mm	Bore diameter outer ring
d ₂	[31,5] mm	Raceway diameter of the inner ring
d _s	[3,2] mm	Diameter lubrication hole
n s	[4,8] mm	Width of lubricating groove

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.

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Calcula	tion f	actors
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diff. Values of factors X and Y Y 1 [2,07] Dynamic axial load factor Y 2 [3,09] Dynamic axial load factor Y 0 [2,03] Static axial load factor	е	[0,33]	Limiting value of Fa/Fr for the applicability of
Y ₂ [3,09] Dynamic axial load factor			diff. Values of factors X and Y
	Y ₁	[2,07]	Dynamic axial load factor
Y ₀ Static axial load factor	Y 2	[3,09]	Dynamic axial load factor
	Y ₀	[2,03]	Static axial load factor

Additional information

[H305] Adapter sleeve