



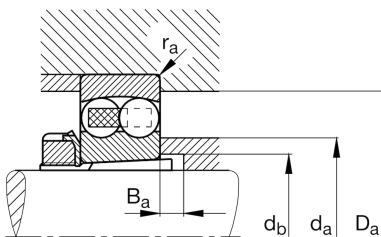
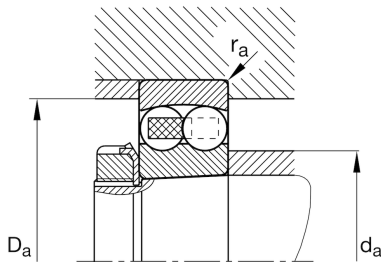
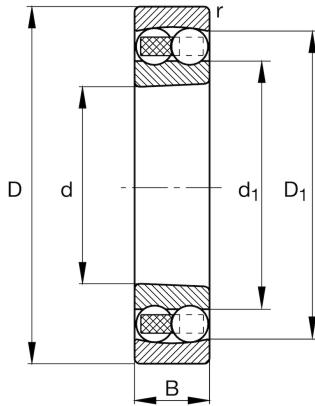
FAG

2222-K-M-C3

Self-aligning ball bearing

Schaeffler ID:
0384727080030Self-aligning ball bearing 22..-K-M, tapered
bore taper 1:12, solid brass cage

Technical information

**Main Dimensions & Performance Data**

d	110 mm	Bore diameter
D	200 mm	Outside diameter
B	53 mm	Width
r _{min}	2,1 mm	Minimum chamfer dimension
C _r	126.000 N	Basic dynamic load rating, radial
C _{0r}	52.000 N	Basic static load rating, radial
C _{ur}	2.650 N	Fatigue load limit, radial
n _G	5.000 1/min	Limiting speed
n _{gr}	4.700 1/min	Reference speed
	6,94 kg	Weight

Dimensions

D ₁	174,1 mm	Shoulder diameter outer ring
d ₁	136,9 mm	Shoulder diameter inner ring

Mounting dimensions

d _{a min}	122 mm	Minimum diameter shaft shoulder
d _{a max}	132 mm	Maximum diameter shaft shoulder
D _{a max}	188 mm	Maximum diameter of housing shoulder
d _{b min}	118 mm	Minimum cavity diameter of the sleeve
B _{a min}	6 mm	Minimum cavity width of the sleeve
r _{a max}	2,1 mm	Maximum fillet radius

Calculation factors

e	0,28	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,22	Dynamic axial load factor
Y ₂	3,44	Dynamic axial load factor
Y ₀	2,33	Static axial load factor

Additional information

H322	Adapter sleeve
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Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	150 °C	Operating temperature max.