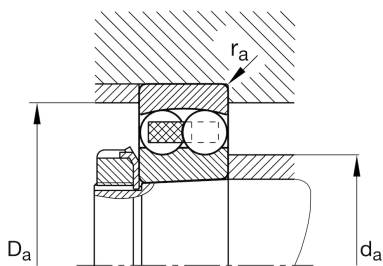
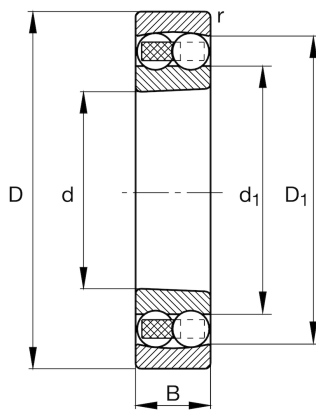


**FAG****1316-K-M-C3**

Self-aligning ball bearing

Self-aligning ball bearing 13.-K-M, tapered bore taper 1:12, solid brass cage

Technical information



Main Dimensions & Performance Data

d	80 mm	Bore diameter
D	170 mm	Outside diameter
B	39 mm	Width
C _r	89.000 N	Basic dynamic load rating, radial
C _{0r}	33.000 N	Basic static load rating, radial
C _{ur}	1.870 N	Fatigue load limit, radial
n _G	6.200 1/min	Limiting speed
n _{gr}	4.500 1/min	Reference speed
≈m	4,359 kg	Weight

Mounting dimensions

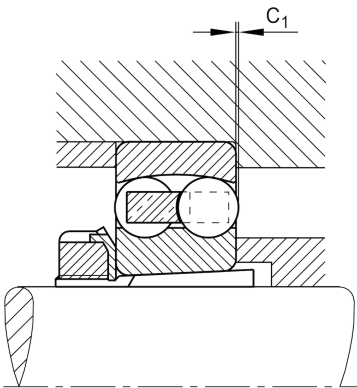
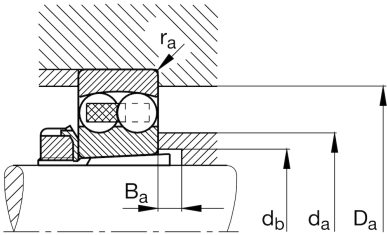
d _{a min}	92 mm	Minimum diameter shaft shoulder
d _{a max}	107 mm	Maximum diameter shaft shoulder
D _{a max}	158 mm	Maximum diameter of housing shoulder
d _{b min}	85 mm	Minimum cavity diameter of the sleeve
B _{a min}	6 mm	Minimum cavity width of the sleeve
r _{a max}	2,1 mm	Maximum fillet radius

Dimensions

r _{min}	2,1 mm	Minimum chamfer dimension
D ₁	144,25 mm	Shoulder diameter outer ring
d ₁	110,62 mm	Shoulder diameter inner ring
C ₁	0,1 mm	Overhang rolling element

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	150 °C	Operating temperature max.



Calculation factors

e	0,22	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,88	Dynamic axial load factor
Y ₂	4,46	Dynamic axial load factor
Y ₀	3,02	Static axial load factor

Additional information

H316	Adapter sleeve
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