

FAG

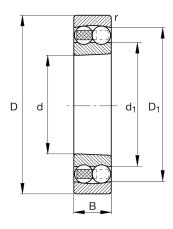
1317-K-M-C3

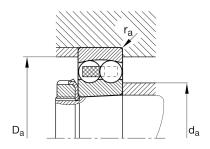
Self-aligning ball bearing

Schaeffler ID: 0384371470030

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

Technical information





Main Dimensions & Performance Data

d	85 mm	Bore diameter
D	180 mm	Outside diameter
В	41 mm	Width
r _{min}	3 mm	Minimum chamfer dimension
C _r	99,000 N	Basic dynamic load rating, radial
C _{0r}	38,000 N	Basic static load rating, radial
C ur	2,070 N	Fatigue load limit, radial
n _G	5,800 1/min	Limiting speed
n _{9r}	4,300 1/min	Reference speed
	5.134 kg	Weight

Dimensions

D ₁	151.9 mm	Shoulder diameter outer ring
d ₁	117.2 mm	Shoulder diameter inner ring

Mounting dimensions

d _{a min}	99 mm	Minimum diameter shaft shoulder
d _{a max}	114 mm	Maximum diameter shaft shoulder
D _{a max}	166 mm	Maximum diameter of housing shoulder
d _{b min}	91 mm	Minimum cavity diameter of the sleeve
B _{a min}	6 mm	Minimum cavity width of the sleeve
r _{a max}	2.5 mm	Maximum fillet radius

Calculation factors

е	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
Υ 0	3.02	Static axial load factor

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.



Temperature range

T _{min}	-30 °C	Operating temperature min.
	H317	Adapter sleeve
T _{max}	150 °C	Operating temperature max.