



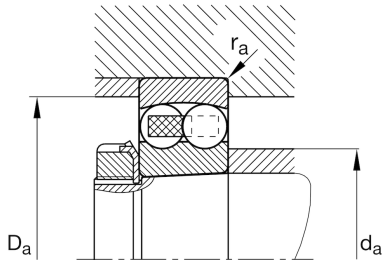
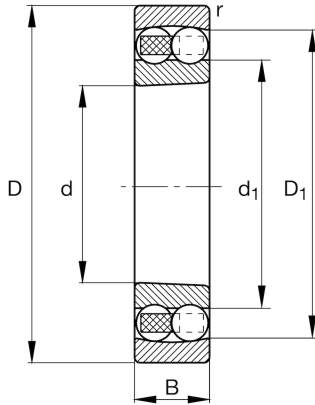
FAG

1317-K-M-C3

Self-aligning ball bearing

Schaeffler ID:
0384371470030Self-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
B	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_{gr}	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

e	0.22	Limiting value of F_a/F_r 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

Temperature range

T_{\min}	-30 °C	Operating temperature min.
	H317	Adapter sleeve
T_{\max}	150 °C	Operating temperature max.