

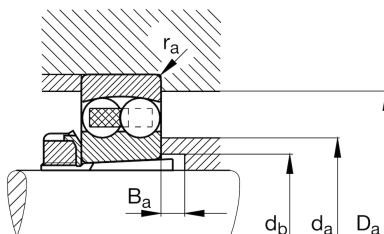
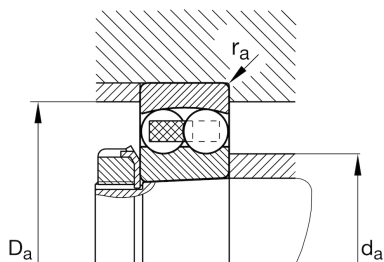
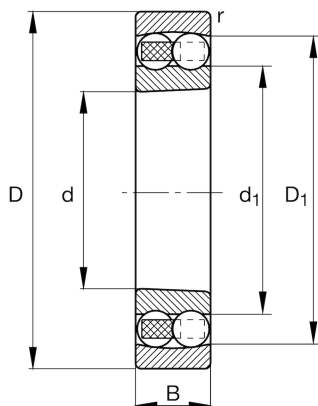
FAG

1316-K-M-C3

Self-aligning ball bearing

Schaeffler ID:
0384371390030Self-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
$r_{\min}$	2,1 mm	Minimum chamfer dimension
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
	4,359 kg	Weight

Dimensions

D_1	144,3 mm	Shoulder diameter outer ring
d_1	110,6 mm	Shoulder diameter inner ring
C_1	0,1 mm	Overhang rolling element

Mounting dimensions

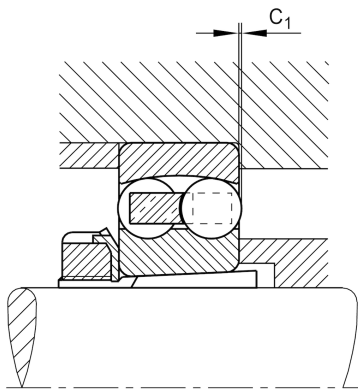
$d_{a\min}$	92 mm	Minimum diameter shaft shoulder
$d_{a\max}$	107 mm	Maximum diameter shaft shoulder
$D_{a\max}$	158 mm	Maximum diameter of housing shoulder
$d_{b\min}$	85 mm	Minimum cavity diameter of the sleeve
$B_{a\min}$	5 mm	Minimum cavity width of the sleeve
$r_{a\max}$	2,1 mm	Maximum fillet radius

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

Additional information

H316	Adapter sleeve
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Temperature range

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