

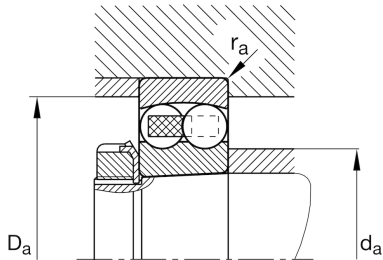
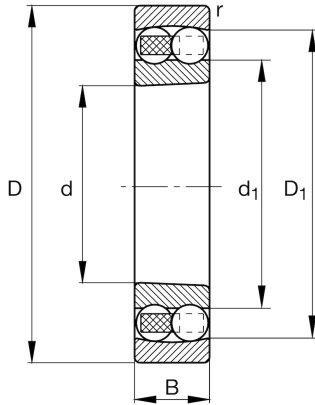
FAG

2317-K-M-C3

Self-aligning ball bearing

Schaeffler ID:
0384396700030Self-aligning ball bearing 23..-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	60 mm	Width
r_{\min}	3 mm	Minimum chamfer dimension
C_r	143.000 N	Basic dynamic load rating, radial
C_{0r}	51.000 N	Basic static load rating, radial
C_{ur}	2.850 N	Fatigue load limit, radial
n_G	5.400 1/min	Limiting speed
n_{gr}	5.200 1/min	Reference speed
	6,943 kg	Weight

Dimensions

D_1	152,2 mm	Shoulder diameter outer ring
	H2317	Adapter sleeve
d_1	114,4 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a \min}$	99 mm	Minimum diameter shaft shoulder
$d_{a \max}$	106 mm	Maximum diameter shaft shoulder
$D_{a \max}$	166 mm	Maximum diameter of housing shoulder
$d_{b \min}$	94 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	0,37	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,68	Dynamic axial load factor
Y_2	2,61	Dynamic axial load factor
Y_0	1,76	Static axial load factor

Temperature range

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