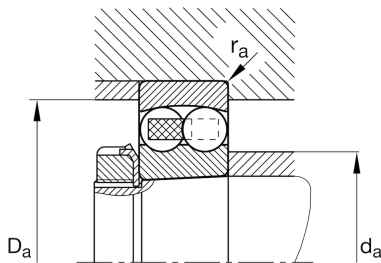
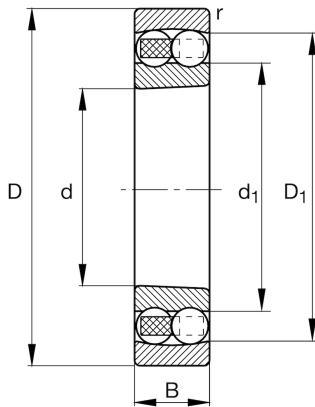
**FAG****1316-K-M-C3**

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
$\approx m$	4,359 kg	Weight

**Mounting dimensions**

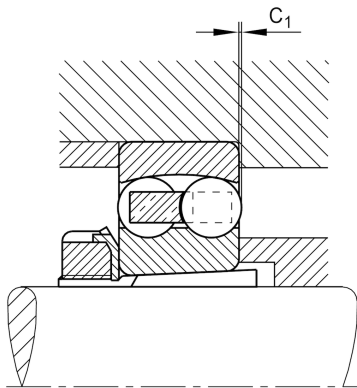
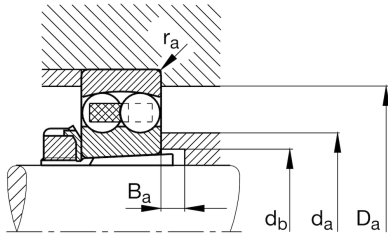
$d_{a \min}$	92 mm	Minimum diameter shaft shoulder
$d_{a \max}$	107 mm	Maximum diameter shaft shoulder
$D_{a \max}$	158 mm	Maximum diameter of housing shoulder
$d_{b \min}$	85 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	6 mm	Minimum cavity width of the sleeve
$r_{a \max}$	2,1 mm	Maximum fillet 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 $F_a/F_r$ 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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