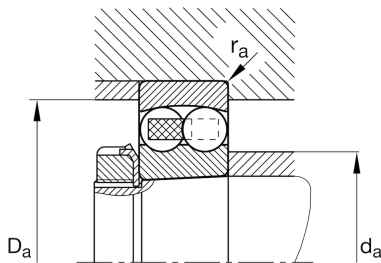


**FAG****2322-K-M-C3**

Self-aligning ball bearing

Self-aligning ball bearing 23...-K-M, tapered bore taper 1:12, solid brass cage

## Technical information

**Main Dimensions & Performance Data**

d	110 mm	Bore diameter
D	240 mm	Outside diameter
B	80 mm	Width
$C_r$	221.000 N	Basic dynamic load rating, radial
$C_{0r}$	95.000 N	Basic static load rating, radial
$C_{ur}$	4.550 N	Fatigue load limit, radial
$n_G$	3.850 1/min	Limiting speed
$n_{gr}$	3.900 1/min	Reference speed
$\approx m$	16,9 kg	Weight

**Mounting dimensions**

$d_{a \min}$	124 mm	Minimum diameter shaft shoulder
$d_{a \max}$	139 mm	Maximum diameter shaft shoulder
$D_{a \max}$	226 mm	Maximum diameter of housing shoulder
$d_{b \min}$	121 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	7 mm	Minimum cavity width of the sleeve
$r_{a \max}$	2,5 mm	Maximum fillet radius

**Dimensions**

$r_{\min}$	3 mm	Minimum chamfer dimension
$D_1$	201,8 mm	Shoulder diameter outer ring
$d_1$	145,5 mm	Shoulder diameter inner ring

**Temperature range**

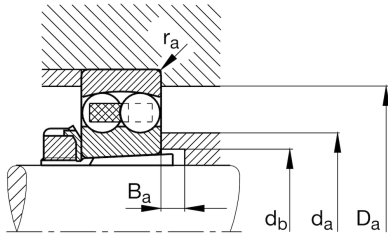
$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.



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### Calculation factors

e	0,37	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	1,7	Dynamic axial load factor
$Y_2$	2,63	Dynamic axial load factor
$Y_0$	1,78	Static axial load factor

### Additional information

H2322	Adapter sleeve
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