

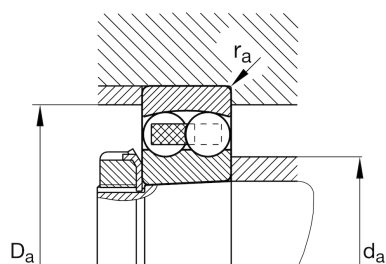
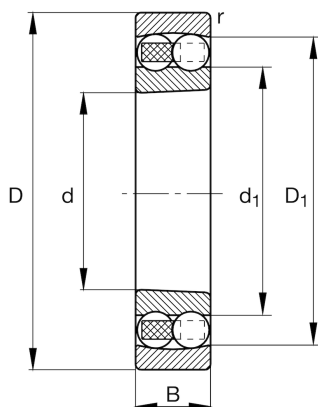
FAG

**2315-K-M-C3**

Self-aligning ball bearing

Schaeffler ID:  
0384396620030Self-aligning ball bearing 23..-K-M, tapered  
bore taper 1:12, solid brass cage

## Technical information

**Main Dimensions & Performance Data**

d	75 mm	Bore diameter
D	160 mm	Outside diameter
B	55 mm	Width
$r_{\min}$	2,1 mm	Minimum chamfer dimension
$C_r$	125.000 N	Basic dynamic load rating, radial
$C_{0r}$	42.500 N	Basic static load rating, radial
$C_{ur}$	2.490 N	Fatigue load limit, radial
$n_G$	6.100 1/min	Limiting speed
$n_{gr}$	5.600 1/min	Reference speed
	5,13 kg	Weight

**Dimensions**

$D_1$	135,2 mm	Shoulder diameter outer ring
	H2315	Adapter sleeve
$d_1$	100,5 mm	Shoulder diameter inner ring

**Mounting dimensions**

$d_{a \min}$	87 mm	Minimum diameter shaft shoulder
$d_{a \max}$	94 mm	Maximum diameter shaft shoulder
$D_{a \max}$	148 mm	Maximum diameter of housing shoulder
$d_{b \min}$	82 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	0,38	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	1,65	Dynamic axial load factor
$Y_2$	2,55	Dynamic axial load factor
$Y_0$	1,73	Static axial load factor

**Temperature range**

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	150 °C	Operating temperature max.