



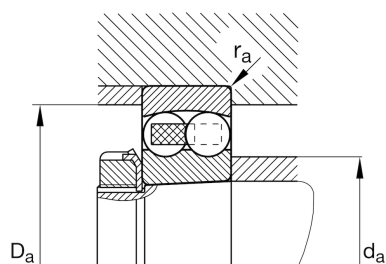
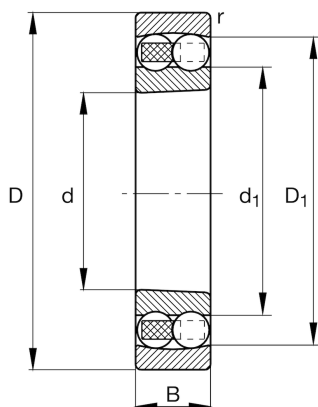
FAG

**1318-K-M-C3**

Self-aligning ball bearing

Schaeffler ID:  
0384371550030Self-aligning ball bearing 13..-K-M, tapered  
bore taper 1:12, solid brass cage

## Technical information

**Main Dimensions & Performance Data**

d	90 mm	Bore diameter
D	190 mm	Outside diameter
B	43 mm	Width
$r_{\min}$	3 mm	Minimum chamfer dimension
$C_r$	109.000 N	Basic dynamic load rating, radial
$C_{0r}$	43.000 N	Basic static load rating, radial
$C_{ur}$	2.300 N	Fatigue load limit, radial
$n_G$	5.500 1/min	Limiting speed
$n_{gr}$	4.200 1/min	Reference speed
	6,04 kg	Weight

**Dimensions**

$D_1$	159,8 mm	Shoulder diameter outer ring
$d_1$	124,4 mm	Shoulder diameter inner ring

**Mounting dimensions**

$d_{a\min}$	104 mm	Minimum diameter shaft shoulder
$d_{a\max}$	120 mm	Maximum diameter shaft shoulder
$D_{a\max}$	176 mm	Maximum diameter of housing shoulder
$d_{b\min}$	96 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	0,22	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
	H318	Adapter sleeve
$Y_1$	2,84	Dynamic axial load factor
$Y_2$	4,4	Dynamic axial load factor
$Y_0$	2,98	Static axial load factor

**Temperature range**

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