

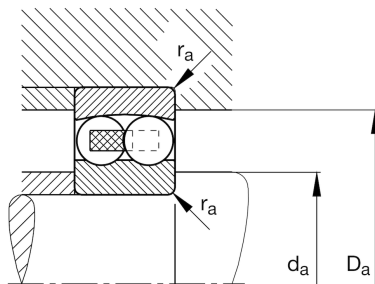
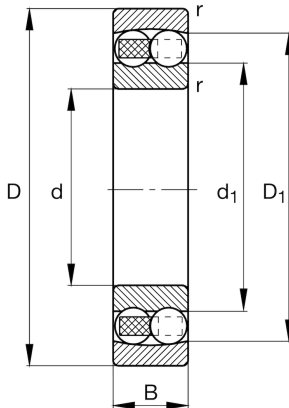
FAG

2220-M-C3

Self-aligning ball bearing

Schaeffler ID:
0190060800030Self-aligning ball bearing 22..-M, solid
brass cage

Technical information

**Main Dimensions & Performance Data**

d	100 mm	Bore diameter
D	180 mm	Outside diameter
B	46 mm	Width
C_r	98.000 N	Basic dynamic load rating, radial
C_{0r}	40.500 N	Basic static load rating, radial
C_{ur}	2.180 N	Fatigue load limit, radial
n_G	5.700 1/min	Limiting speed
n_{gr}	4.900 1/min	Reference speed
	4,98 kg	Weight

Mounting dimensions

$d_{a \min}$	112 mm	Minimum diameter shaft shoulder
$D_{a \max}$	168 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum fillet radius

Dimensions

r_{\min}	2,1 mm	Minimum chamfer dimension
D_1	156,9 mm	Shoulder diameter outer ring
d_1	124,4 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

e	0,27	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,33	Dynamic axial load factor
Y_2	3,61	Dynamic axial load factor
Y_0	2,45	Static axial load factor