



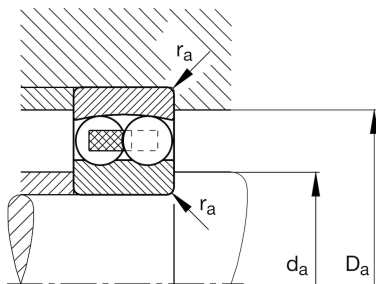
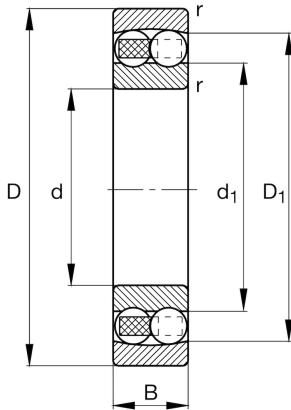
FAG

2222-M

Self-aligning ball bearing

Schaeffler ID:
0190179280000Self-aligning ball bearing 22..-M, solid
brass cage

Technical information

**Main Dimensions & Performance Data**

d	110 mm	Bore diameter
D	200 mm	Outside diameter
B	53 mm	Width
r_{\min}	2,1 mm	Minimum chamfer dimension
C_r	126.000 N	Basic dynamic load rating, radial
C_{0r}	52.000 N	Basic static load rating, radial
C_{ur}	2.650 N	Fatigue load limit, radial
n_G	5.000 1/min	Limiting speed
n_{gr}	4.700 1/min	Reference speed
	7,253 kg	Weight

Dimensions

D_1	174,1 mm	Shoulder diameter outer ring
d_1	136,9 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a\min}$	122 mm	Minimum diameter shaft shoulder
$D_{a\max}$	188 mm	Maximum diameter of housing shoulder
$r_{a\max}$	2,1 mm	Maximum fillet radius

Calculation factors

e	0,28	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,22	Dynamic axial load factor
Y_2	3,44	Dynamic axial load factor
Y_0	2,33	Static axial load factor

Temperature range

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