

FAG

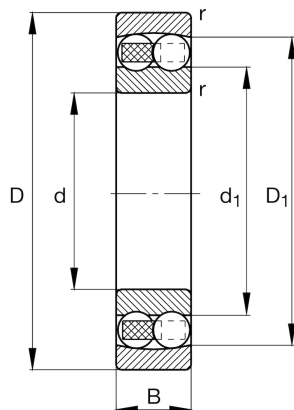
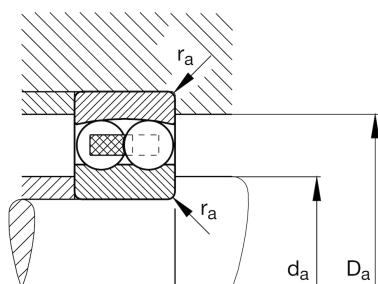
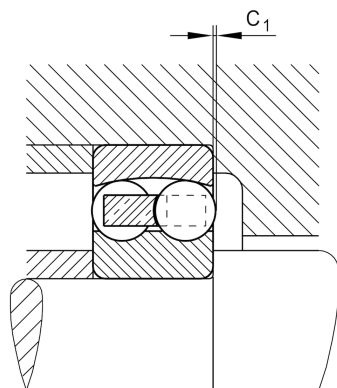
★ 1222-M

Self-aligning ball bearing

Schaeffler ID:
0190000220000Self-aligning ball bearing 12..-M, solid
brass cage

★ Preferred product

Technical information



Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	150 °C	Operating temperature max.
	5,35 kg	Weight

Main Dimensions & Performance Data

d	110 mm	Bore diameter
D	200 mm	Outside diameter
B	38 mm	Width
r_{\min}	2,1 mm	Minimum chamfer dimension
C_r	89.000 N	Basic dynamic load rating, radial
C_{0r}	38.500 N	Basic static load rating, radial
C_{ur}	1.960 N	Fatigue load limit, radial
n_G	5.300 1/min	Limiting speed
n_{gr}	4.200 1/min	Reference speed

Dimensions

D_1	173,2 mm	Shoulder diameter outer ring
d_1	140,2 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	0,17	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	3,63	Dynamic axial load factor
Y_2	5,62	Dynamic axial load factor
Y_0	3,8	Static axial load factor