



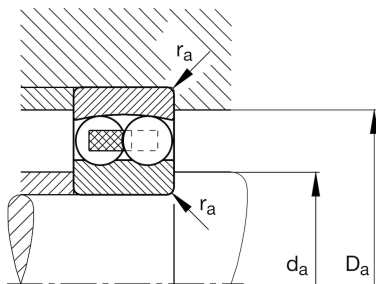
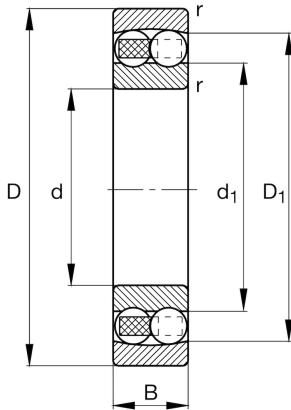
FAG

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	3,937 in	Bore diameter
D	7,087 in	Outside diameter
B	1,811 in	Width
C_r	22.032,374 lbf	Basic dynamic load rating, radial
C_{0r}	9.105,216 lbf	Basic static load rating, radial
C_{ur}	490,108 lbf	Fatigue load limit, radial
n_G	5.700 1/min	Limiting speed
n_{gr}	4.900 1/min	Reference speed
	10,979 lbs	Weight

Mounting dimensions

$d_{a \min}$	4,409 in	Minimum diameter shaft shoulder
$D_{a \max}$	6,614 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,083 in	Maximum fillet radius

Dimensions

r_{\min}	0,083 in	Minimum chamfer dimension
D_1	6,177 in	Shoulder diameter outer ring
d_1	4,898 in	Shoulder diameter inner ring

Temperature range

T_{\min}	-22 °F	Operating temperature min.
T_{\max}	302 °F	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