



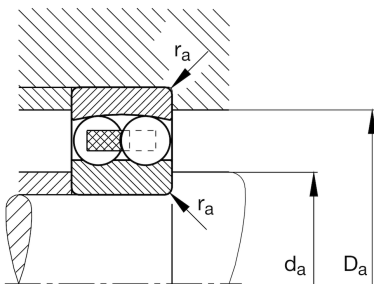
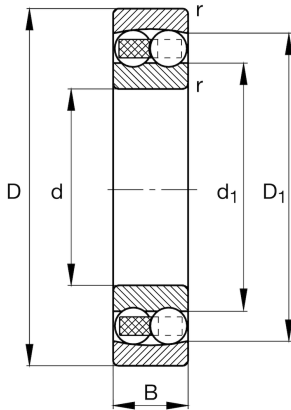
FAG

**1222-M-C3**

Self-aligning ball bearing

Schaeffler ID:  
0190000220030Self-aligning ball bearing 12..-M, solid  
brass cage

## Technical information

**Main Dimensions & Performance Data**

d	4,331 in	Bore diameter
D	7,874 in	Outside diameter
B	1,496 in	Width
$C_r$	20.008,993 lbf	Basic dynamic load rating, radial
$C_{0r}$	8.655,576 lbf	Basic static load rating, radial
$C_{ur}$	440,647 lbf	Fatigue load limit, radial
$n_G$	5.300 1/min	Limiting speed
$n_{gr}$	4.200 1/min	Reference speed
	11,795 lbs	{Weight}

**Mounting dimensions**

$d_{a \min}$	4,803 in	Minimum diameter shaft shoulder
$D_{a \max}$	7,402 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,083 in	Maximum fillet radius

**Dimensions**

$r_{\min}$	0,083 in	Minimum chamfer dimension
$D_1$	6,819 in	Shoulder diameter outer ring
$d_1$	5,52 in	Shoulder diameter inner ring

**Temperature range**

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

**Calculation factors**

e	0,17	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