

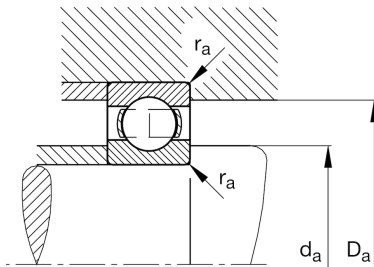
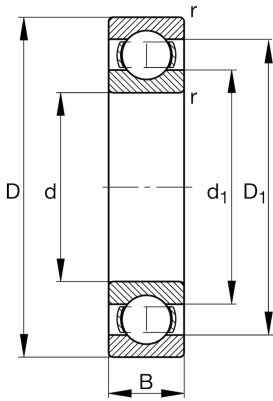
FAG

**618/500-M-C3**

Deep groove ball bearing

Schaeffler ID:  
0190968100030Deep groove ball bearing 618..-M, single  
row, solid brass cage

## Technical information

**Main Dimensions & Performance Data**

d	19,685 in	Bore diameter
D	24,409 in	Outside diameter
B	2,205 in	Width
$C_r$	66.321,942 lbf	Basic dynamic load rating, radial
$C_{0r}$	114.658,273 lbf	Basic static load rating, radial
$C_{ur}$	2.855,216 lbf	Fatigue load limit, radial
$n_G$	1.710 1/min	Limiting speed
$n_{gr}$	1.060 1/min	Reference speed
	85,319 lbs	{Weight}

**Mounting dimensions**

$d_{a \min}$	20,173 in	Minimum diameter shaft shoulder
$D_{a \max}$	23,921 in	Maximum diameter of housing shoulder
$r_{a \max}$	0,098 in	Maximum fillet radius

**Dimensions**

$r_{\min}$	0,118 in	Minimum chamfer dimension
$D_1$	22,868 in	Shoulder diameter outer ring
$d_1$	21,276 in	Shoulder diameter inner ring

**Temperature range**

$T_{\min}$	-22 °F	Operating temperature min.
$T_{\max}$	392 °F	Operating temperature max.

**Calculation factors**

$f_0$	15,8	Calculation factor
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