

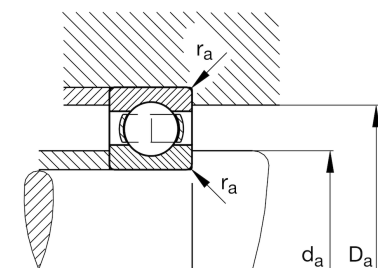
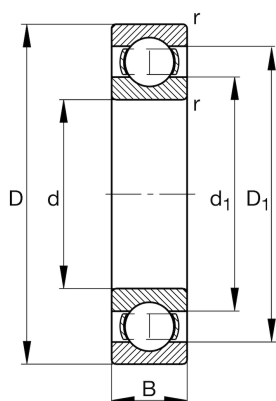
FAG

**61806**

Deep groove ball bearing

Schaeffler ID:  
0554570450000Deep groove ball bearing 618, single row,  
steel sheet metal cage

## Technical information

**Main Dimensions & Performance Data**

d	30 mm	Bore diameter
D	42 mm	Outside diameter
B	7 mm	Width
$C_r$	4.450 N	Basic dynamic load rating, radial
$C_{0r}$	3.440 N	Basic static load rating, radial
$C_{ur}$	154 N	Fatigue load limit, radial
$n_G$	24.500 1/min	Limiting speed
$n_{gr}$	11.500 1/min	Reference speed
	22 g	Weight

**Dimensions**

$r_{min}$	0,3 mm	Minimum chamfer dimension
$D_1$	38,2 mm	Shoulder diameter outer ring
$d_1$	33,1 mm	Shoulder diameter inner ring

**Mounting dimensions**

$d_{a min}$	32 mm	Minimum diameter shaft shoulder
$D_{a max}$	40 mm	Maximum diameter of housing shoulder
$r_{a max}$	0,3 mm	Maximum fillet radius

**Calculation factors**

$f_0$	16,5	Calculation factor
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**Temperature range**

$T_{min}$	-30 °C	Operating temperature min.
$T_{max}$	120 °C	Operating temperature max.