

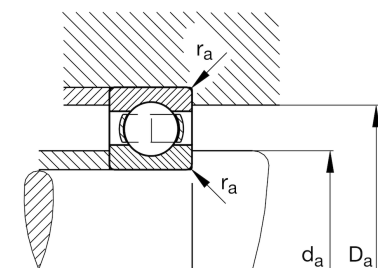
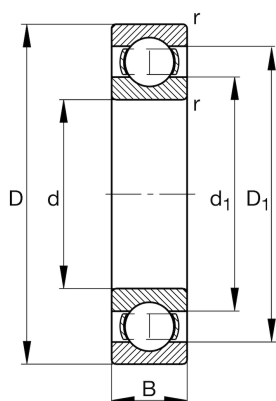
FAG

61805

Deep groove ball bearing

Schaeffler ID:
0554553600000Deep groove ball bearing 618, single row,
steel sheet metal cage

Technical information

**Main Dimensions & Performance Data**

d	25 mm	Bore diameter
D	37 mm	Outside diameter
B	7 mm	Width
C_r	4.300 N	Basic dynamic load rating, radial
C_{0r}	2.940 N	Basic static load rating, radial
C_{ur}	132 N	Fatigue load limit, radial
n_G	28.000 1/min	Limiting speed
n_{gr}	13.900 1/min	Reference speed
	22 g	Weight

Dimensions

r_{min}	0,3 mm	Minimum chamfer dimension
D_1	33,2 mm	Shoulder diameter outer ring
d_1	28,2 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a min}$	27 mm	Minimum diameter shaft shoulder
$D_{a max}$	35 mm	Maximum diameter of housing shoulder
$r_{a max}$	0,3 mm	Maximum fillet radius

Calculation factors

f_0	16	Calculation factor
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Temperature range

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