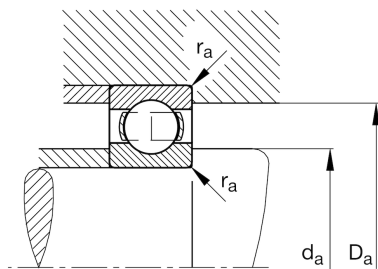
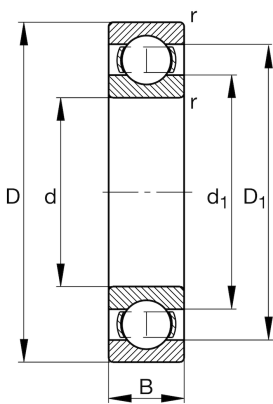


**FAG****61808**

Deep groove ball bearing

Deep groove ball bearing 618, single row,
steel sheet metal cage

Technical information



Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	52 mm	Outside diameter
B	7 mm	Width
C _r	4,930 N	Basic dynamic load rating, radial
C _{0r}	4,180 N	Basic static load rating, radial
C _{ur}	196 N	Fatigue load limit, radial
n _G	19,300 1/min	Limiting speed
n _{gr}	8,600 1/min	Reference speed
≈m	35 g	Weight

Mounting dimensions

d _{a min}	42 mm	Minimum diameter shaft shoulder
D _{a max}	50 mm	Maximum diameter of housing shoulder
r _{a max}	0.3 mm	Maximum fillet radius

Dimensions

r _{min}	0.3 mm	Minimum chamfer dimension
D ₁	48.1 mm	Shoulder diameter outer ring
d ₁	43.2 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

f ₀	16.2	Calculation factor
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