



FAG

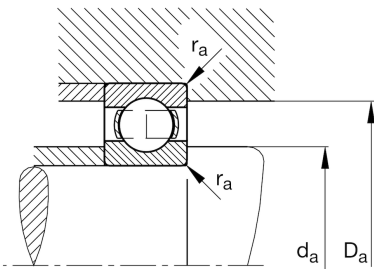
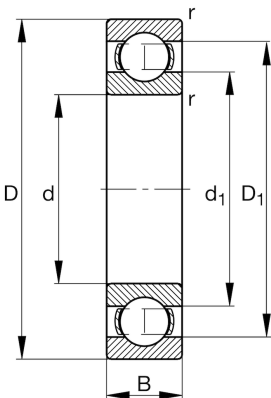
61836-C3

Deep groove ball bearing

Schaeffler ID:
0167191580030

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

Technical information



Main Dimensions & Performance Data

d	180 mm	Bore diameter
D	225 mm	Outside diameter
B	22 mm	Width
C _r	66.000 N	Basic dynamic load rating, radial
C _{0r}	76.000 N	Basic static load rating, radial
C _{ur}	2.950 N	Fatigue load limit, radial
n _G	3.900 1/min	Limiting speed
n _{gr}	2.750 1/min	Reference speed
≈m	1,72 kg	Weight

Mounting dimensions

d _{a min}	186 mm	Minimum diameter shaft shoulder
D _{a max}	219 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum fillet radius

Dimensions

r _{min}	1,1 mm	Minimum chamfer dimension
D ₁	211,4 mm	Shoulder diameter outer ring
d ₁	194,4 mm	Shoulder diameter inner ring

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	150 °C	Operating temperature max.

Calculation factors

f ₀	16,1	Calculation factor
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