



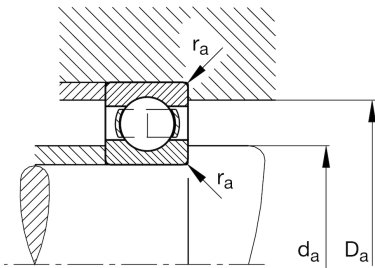
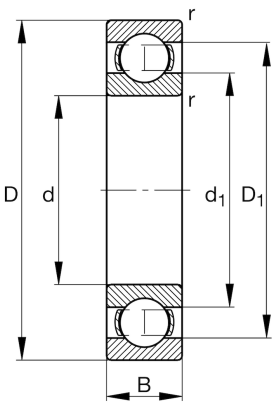
FAG

61801>N

Deep groove ball bearing

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

Technical information



Main Dimensions & Performance Data

d	12 mm	Bore diameter
D	21 mm	Outside diameter
B	5 mm	Width
C _r	1,920 N	Basic dynamic load rating, radial
C _{0r}	1,040 N	Basic static load rating, radial
C _{ur}	47.5 N	Fatigue load limit, radial
n _G	50,000 1/min	Limiting speed
n _{gr}	23,500 1/min	Reference speed
≈m	0.006 kg	Weight

Mounting dimensions

d _{a min}	14 mm	Minimum diameter shaft shoulder
D _{a max}	19 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	18.3 mm	Shoulder diameter outer ring
d ₁	14.8 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	15.3	Calculation factor
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