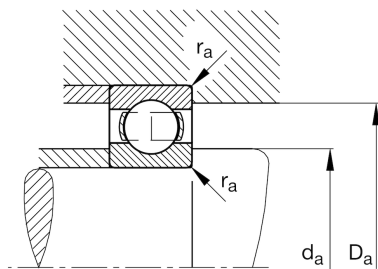
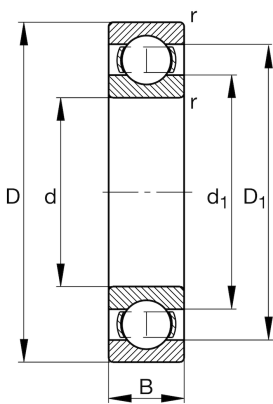


**FAG****61804>N**

Deep groove ball bearing

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

Technical information



Main Dimensions & Performance Data

d	20 mm	Bore diameter
D	32 mm	Outside diameter
B	7 mm	Width
C _r	4.020 N	Basic dynamic load rating, radial
C _{0r}	2.460 N	Basic static load rating, radial
C _{ur}	111 N	Fatigue load limit, radial
n _G	33.500 1/min	Limiting speed
n _{gr}	17.600 1/min	Reference speed
≈m	0,018 kg	Weight

Mounting dimensions

d _{a min}	22 mm	Minimum diameter shaft shoulder
D _{a max}	30 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	28,2 mm	Shoulder diameter outer ring
d ₁	23,2 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	15,4	Calculation factor
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