

FAG

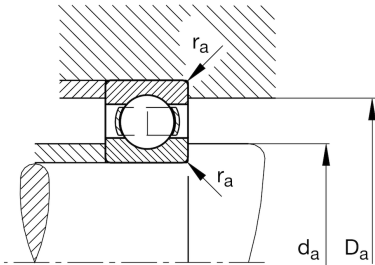
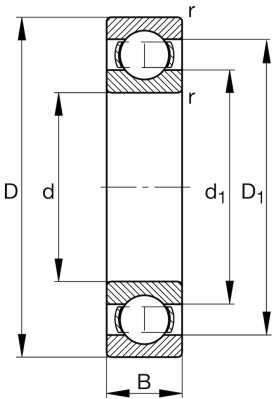
618/670-M

Deep groove ball bearing

Schaeffler ID:
0190971230000

Deep groove ball bearing 618..-M, single
row, solid brass cage

Technical information



Main Dimensions & Performance Data

d	670 mm	Bore diameter
D	820 mm	Outside diameter
B	69 mm	Width
C _r	445.000 N	Basic dynamic load rating, radial
C _{0r}	910.000 N	Basic static load rating, radial
C _{ur}	19.300 N	Fatigue load limit, radial
n _G	1.250 1/min	Limiting speed
n _{gr}	760 1/min	Reference speed
≈m	76 kg	Weight

Mounting dimensions

d _{a min}	684,6 mm	Minimum diameter shaft shoulder
D _{a max}	805,4 mm	Maximum diameter of housing shoulder
r _{a max}	3 mm	Maximum fillet radius

Dimensions

r _{min}	4 mm	Minimum chamfer dimension
D ₁	774,3 mm	Shoulder diameter outer ring
d ₁	719,8 mm	Shoulder diameter inner ring

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.

Calculation factors

f ₀	15,9	Calculation factor
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