

FAG

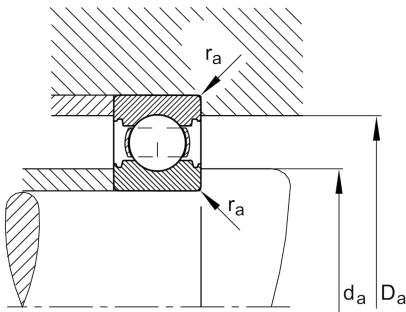
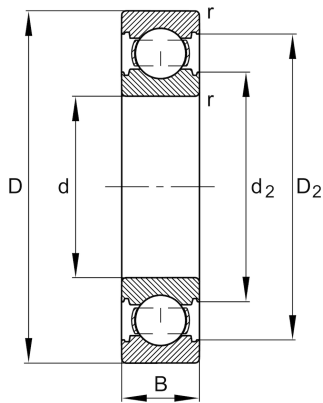
6312-C-M

Deep groove ball bearing

Schaeffler ID:
0889794580000

Deep groove ball bearing 63...-C-M, single row, Generation C, solid brass cage

Technical information



Main Dimensions & Performance Data

d	60 mm	Bore diameter
D	130 mm	Outside diameter
B	31 mm	Width
C _r	89.000 N	Basic dynamic load rating, radial
C _{0r}	52.000 N	Basic static load rating, radial
C _{ur}	3.600 N	Fatigue load limit, radial
n _G	10.300 1/min	Limiting speed
n _{gr}	7.400 1/min	Reference speed
≈m	1,93 kg	Weight

Mounting dimensions

d _{a min}	72 mm	Minimum diameter shaft shoulder
D _{a max}	118 mm	Maximum diameter of housing shoulder
r _{a max}	2,1 mm	Maximum fillet radius

Dimensions

r _{min}	2,1 mm	Minimum chamfer dimension
D ₂	112,14 mm	Caliber diameter outer ring
d ₂	79,58 mm	Caliber diameter inner ring

Temperature range

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

Calculation factors

f ₀	13,2	Calculation factor
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