

FAG

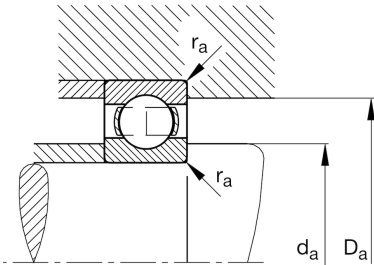
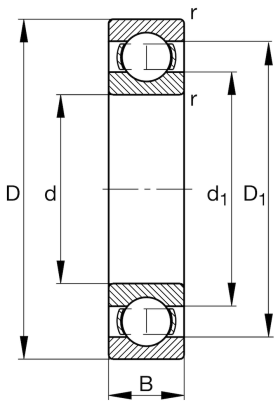
618/500-MA

Deep groove ball bearing

Schaeffler ID:
0190968440000

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

Technical information



Main Dimensions & Performance Data

d	500 mm	Bore diameter
D	620 mm	Outside diameter
B	56 mm	Width
C _r	295.000 N	Basic dynamic load rating, radial
C _{0r}	510.000 N	Basic static load rating, radial
C _{ur}	12.700 N	Fatigue load limit, radial
n _G	1.710 1/min	Limiting speed
n _{gr}	1.060 1/min	Reference speed
	35,3 kg	Weight

Dimensions

d _{a min}	512,4 mm	Minimum diameter shaft shoulder
r _{min}	3 mm	Minimum chamfer dimension
D ₁	582 mm	Shoulder diameter outer ring
D _{a max}	607,6 mm	Maximum diameter of housing shoulder
r _{a max}	2,5 mm	Maximum fillet radius
d ₁	540,4 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	15,8	Calculation factor
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