



FAG

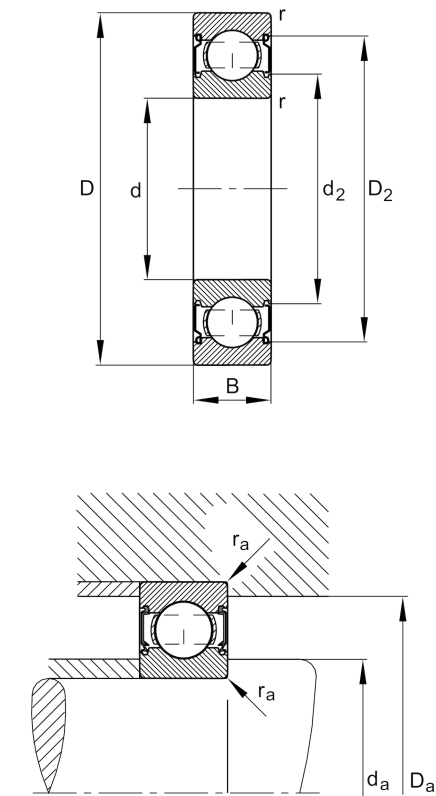
6307-C-2Z

Deep groove ball bearing

Schaeffler ID:
0790957980000

Deep groove ball bearing 63..-C-2Z, single row, Generation C, shields, steel sheet metal cage

Technical information



Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
C _r	37,000 N	Basic dynamic load rating, radial
C _{0r}	19,100 N	Basic static load rating, radial
C _{ur}	1,330 N	Fatigue load limit, radial
n _G	11,500 1/min	Limiting speed
n _{gr}	10,900 1/min	Reference speed
	0.452 kg	Weight

Dimensions

r _{min}	1.5 mm	Minimum chamfer dimension
D ₂	69.8 mm	Caliber diameter outer ring
d ₂	46 mm	Caliber diameter inner ring

Mounting dimensions

d _{a min}	44 mm	Minimum diameter shaft shoulder
D _{a max}	71 mm	Maximum diameter of housing shoulder
r _{a max}	1.5 mm	Maximum fillet radius

Temperature range

T _{min}	-20 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.

Calculation factors

f ₀	13.1	Calculation factor
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