



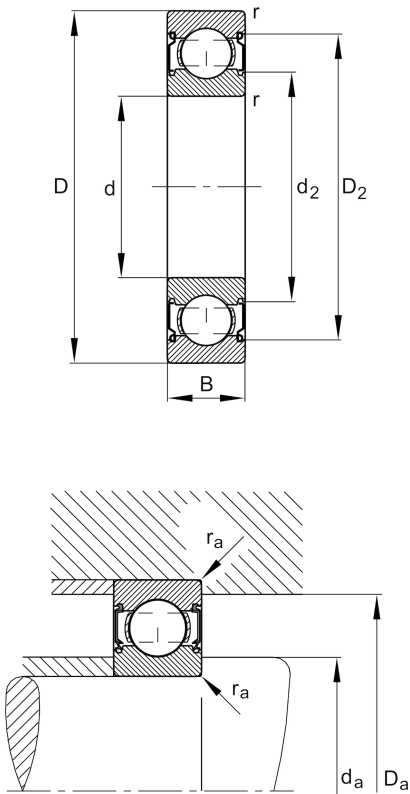
FAG

6311-C-Z-C3
Deep groove ball bearing

Schaeffler ID:
0890320800030

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

Technical information



Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	120 mm	Outside diameter
B	29 mm	Width
C _r	83.000 N	Basic dynamic load rating, radial
C _{0r}	47.500 N	Basic static load rating, radial
C _{ur}	3.300 N	Fatigue load limit, radial
n _G	8.500 1/min	Limiting speed
n _{gr}	7.800 1/min	Reference speed
	1,311 kg	Weight

Mounting dimensions

d _{a min}	66 mm	Minimum diameter shaft shoulder
D _{a max}	109 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum fillet radius

Dimensions

r _{min}	2 mm	Minimum chamfer dimension
D ₂	105,3 mm	Caliber diameter outer ring
d ₂	72,5 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	12,9	Calculation factor
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