

FAG

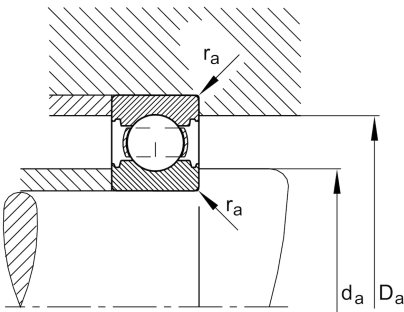
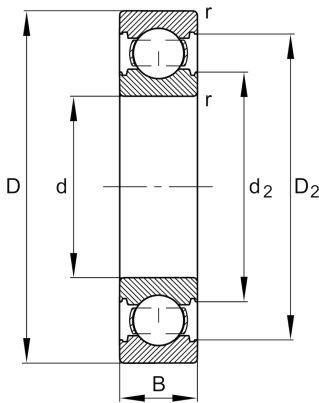
6310-C

Deep groove ball bearing

Schaeffler ID:
0850550340000

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

Technical information



Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	27 mm	Width
C _r	68,000 N	Basic dynamic load rating, radial
C _{0r}	38,000 N	Basic static load rating, radial
C _{ur}	2,650 N	Fatigue load limit, radial
n _G	9,500 1/min	Limiting speed
n _{gr}	8,400 1/min	Reference speed
	1.043 kg	Weight

Dimensions

r _{min}	2 mm	Minimum chamfer dimension
D ₂	95.2 mm	Caliber diameter outer ring
d ₂	66.7 mm	Caliber diameter inner ring

Mounting dimensions

d _{a min}	61 mm	Minimum diameter shaft shoulder
D _{a max}	99 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum fillet radius

Temperature range

f ₀	13.1	Calculation factor
T _{min}	-30 °C	Operating temperature min.
T _{max}	150 °C	Operating temperature max.