

FAG

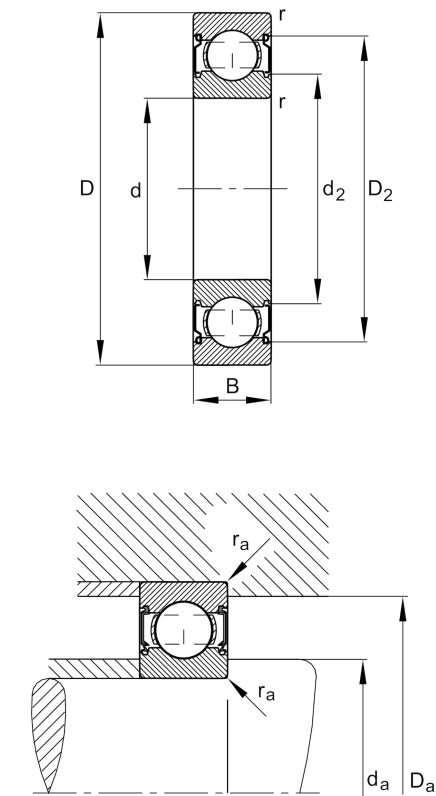
6312-C-2Z

Deep groove ball bearing

Schaeffler ID:
0819123740000

Deep groove ball bearing 63...-C-2Z, single row, Generation C, shields, steel sheet metal 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	6,700 1/min	Limiting speed
n _{gr}	7,400 1/min	Reference speed
	1.697 kg	Weight

Dimensions

r _{min}	2.1 mm	Minimum chamfer dimension
D ₂	112.1 mm	Caliber diameter outer ring
d ₂	79.6 mm	Caliber diameter inner ring

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

Temperature range

f ₀	13.2	Calculation factor
T _{min}	-20 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.