

FAG

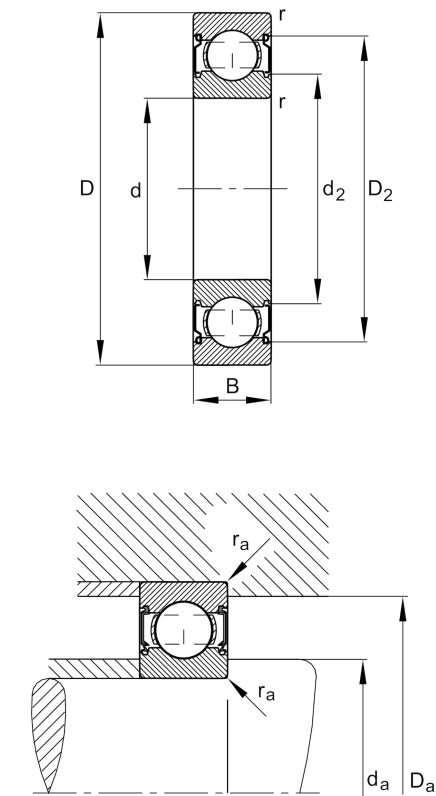
6209-C-2Z

Deep groove ball bearing

Schaeffler ID:
0822994200000

Deep groove ball bearing 62...-C-2Z, single row, Generation C, shields, steel sheet metal cage

Technical information



Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	19 mm	Width
C _r	33,500 N	Basic dynamic load rating, radial
C _{0r}	20,300 N	Basic static load rating, radial
C _{ur}	1,390 N	Fatigue load limit, radial
n _G	10,800 1/min	Limiting speed
n _{gr}	9,900 1/min	Reference speed
	0.405 kg	Weight

Dimensions

r _{min}	1.1 mm	Minimum chamfer dimension
D ₂	75.5 mm	Caliber diameter outer ring
d ₂	53.9 mm	Caliber diameter inner ring

Mounting dimensions

d _{a min}	52 mm	Minimum diameter shaft shoulder
D _{a max}	78 mm	Maximum diameter of housing shoulder
r _{a max}	1.1 mm	Maximum fillet radius

Temperature range

f ₀	14.3	Calculation factor
T _{min}	-20 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.