

FAG

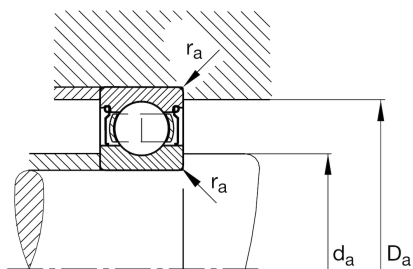
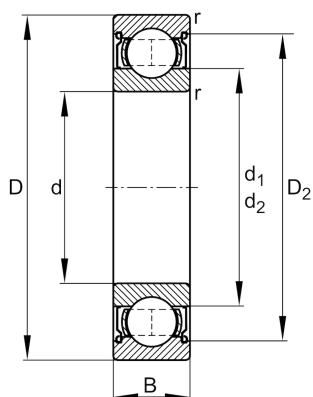
635-2Z

Deep groove ball bearing

Schaeffler ID:
0382812010000

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

Technical information

**Main Dimensions & Performance Data**

d	5 mm	Bore diameter
D	19 mm	Outside diameter
B	6 mm	Width
C_r	2,750 N	Basic dynamic load rating, radial
C_{0r}	1,050 N	Basic static load rating, radial
C_{ur}	55 N	Fatigue load limit, radial
n_G	45,000 1/min	Limiting speed
n_{gr}	27,500 1/min	Reference speed
	8 g	Weight

Dimensions

r_{min}	0.3 mm	Minimum chamfer dimension
D_2	16.5 mm	Caliber diameter outer ring
d_2	8.5 mm	Caliber diameter inner ring

Mounting dimensions

d_{amin}	7.4 mm	Minimum diameter shaft shoulder
D_{amax}	16.6 mm	Maximum diameter of housing shoulder
r_{amax}	0.3 mm	Maximum fillet radius

Calculation factors

f_0	12.2	Calculation factor
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Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.