

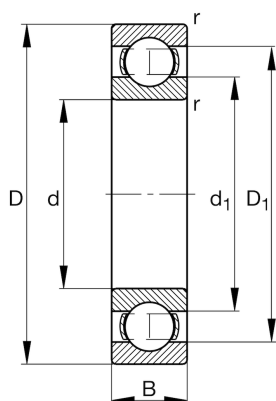
FAG

6209

Deep groove ball bearing

Schaeffler ID:
0167205200000Deep groove ball bearing 62, single row,
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	33,000 N	Basic dynamic load rating, radial
C_{0r}	20,300 N	Basic static load rating, radial
C_{ur}	1,400 N	Fatigue load limit, radial
n_G	11,600 1/min	Limiting speed
n_{gr}	8,900 1/min	Reference speed
	0.404 kg	Weight

Dimensions

r_{min}	1.1 mm	Minimum chamfer dimension
D_1	71.8 mm	Shoulder diameter outer ring
d_1	57.2 mm	Shoulder 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

Calculation factors

f_0	14.3	Calculation factor
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Temperature range

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