

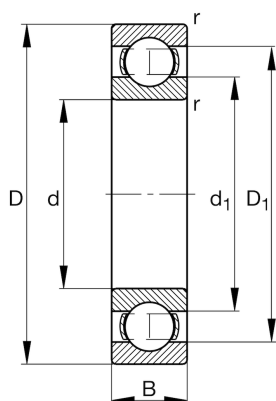
FAG

6208

Deep groove ball bearing

Schaeffler ID:
0167203770000Deep groove ball bearing 62, single row,
steel sheet metal cage

Technical information

**Main Dimensions & Performance Data**

d	40 mm	Bore diameter
D	80 mm	Outside diameter
B	18 mm	Width
C_r	31,000 N	Basic dynamic load rating, radial
C_{0r}	17,800 N	Basic static load rating, radial
C_{ur}	1,080 N	Fatigue load limit, radial
n_G	12,300 1/min	Limiting speed
n_{gr}	9,300 1/min	Reference speed
	0.362 kg	Weight

Dimensions

r_{min}	1.1 mm	Minimum chamfer dimension
D_1	67.5 mm	Shoulder diameter outer ring
d_1	53 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a min}$	47 mm	Minimum diameter shaft shoulder
$D_{a max}$	73 mm	Maximum diameter of housing shoulder
$r_{a max}$	1.1 mm	Maximum fillet radius

Calculation factors

f_0	14	Calculation factor
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Temperature range

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