

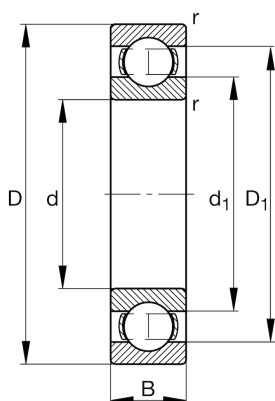
FAG

61810-Y

Deep groove ball bearing

Schaeffler ID:
0096194020000Deep groove ball bearing 618..-Y, single
row, brass sheet metal cage

Technical information

**Dimensions**

r_{\min}	0.3 mm	Minimum chamfer dimension
D_1	60.1 mm	Shoulder diameter outer ring
d_1	55.1 mm	Shoulder diameter inner ring
	0.052 kg	Weight

Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	65 mm	Outside diameter
B	7 mm	Width
C_r	7,200 N	Basic dynamic load rating, radial
C_{0r}	6,300 N	Basic static load rating, radial
C_{ur}	440 N	Fatigue load limit, radial
n_G	19,700 1/min	Limiting speed
n_{gr}	6,400 1/min	Reference speed

Mounting dimensions

$d_{a\min}$	52 mm	Minimum diameter shaft shoulder
$D_{a\max}$	63 mm	Maximum diameter of housing shoulder
$r_{a\max}$	0.3 mm	Maximum fillet radius

Calculation factors

f_0	16	Calculation factor
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Temperature range

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