

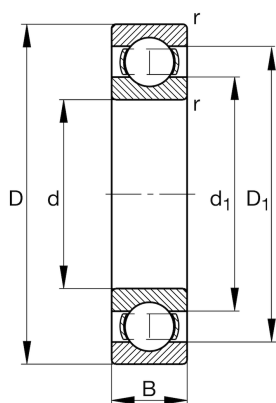
FAG

6301

Deep groove ball bearing

Schaeffler ID:
0167226470000Deep groove ball bearing 63, single row,
steel sheet metal cage

Technical information

**Main Dimensions & Performance Data**

d	12 mm	Bore diameter
D	37 mm	Outside diameter
B	12 mm	Width
C_r	10,300 N	Basic dynamic load rating, radial
C_{0r}	4,200 N	Basic static load rating, radial
C_{ur}	290 N	Fatigue load limit, radial
n_G	28,500 1/min	Limiting speed
n_{gr}	20,000 1/min	Reference speed
	61 g	Weight

Dimensions

r_{min}	1 mm	Minimum chamfer dimension
D_1	29.6 mm	Shoulder diameter outer ring
d_1	19.5 mm	Shoulder diameter inner ring

Mounting dimensions

$d_{a min}$	17.6 mm	Minimum diameter shaft shoulder
$D_{a max}$	31.4 mm	Maximum diameter of housing shoulder
$r_{a max}$	1 mm	Maximum fillet radius

Calculation factors

f_0	11.1	Calculation factor
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Temperature range

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