

**FAG****6012-2Z**

Deep groove ball bearing

Schaeffler ID:  
0167178720000Deep groove ball bearing 60..-2Z, single  
row, shields, steel sheet metal cage

## Technical information

**Main Dimensions & Performance Data**

d	60 mm	Bore diameter
D	95 mm	Outside diameter
B	18 mm	Width
C <sub>r</sub>	31.500 N	Basic dynamic load rating, radial
C <sub>0r</sub>	23.200 N	Basic static load rating, radial
C <sub>ur</sub>	1.230 N	Fatigue load limit, radial
n <sub>G</sub>	8.500 1/min	Limiting speed
n <sub>gr</sub>	7.600 1/min	Reference speed
	0,42 kg	Weight

**Dimensions**

r <sub>min</sub>	1,1 mm	Minimum chamfer dimension
D <sub>2</sub>	86 mm	Caliber diameter outer ring
d <sub>1</sub>	71,3 mm	Shoulder diameter inner ring

**Mounting dimensions**

d <sub>a min</sub>	66 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	89 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	1 mm	Maximum fillet radius

**Calculation factors**

f <sub>0</sub>	15,6	Calculation factor
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**Temperature range**

T <sub>min</sub>	-20 °C	Operating temperature min.
T <sub>max</sub>	120 °C	Operating temperature max.