

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 _r	31.500 N	Basic dynamic load rating, radial
C _{0r}	23.200 N	Basic static load rating, radial
C _{ur}	1.230 N	Fatigue load limit, radial
n _G	8.500 1/min	Limiting speed
n _{gr}	7.600 1/min	Reference speed
	0,42 kg	Weight

Dimensions

r _{min}	1,1 mm	Minimum chamfer dimension
D ₂	86 mm	Caliber diameter outer ring
d ₁	71,3 mm	Shoulder diameter inner ring

Mounting dimensions

d _{a min}	66 mm	Minimum diameter shaft shoulder
D _{a max}	89 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum fillet radius

Calculation factors

f ₀	15,6	Calculation factor
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Temperature range

T _{min}	-20 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.