

FAG**6307-2Z**

Deep groove ball bearing

Schaeffler ID:
0167232600000Deep groove ball bearing 63...-2Z, single
row, shields, steel sheet metal cage

Technical information

Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
C _r	35.500 N	Basic dynamic load rating, radial
C _{0r}	19.100 N	Basic static load rating, radial
C _{ur}	1.290 N	Fatigue load limit, radial
n _G	10.500 1/min	Limiting speed
n _{gr}	9.900 1/min	Reference speed
	0,465 kg	Weight

Dimensions

r _{min}	1,5 mm	Minimum chamfer dimension
D ₂	67,6 mm	Caliber diameter outer ring
d ₁	49,3 mm	Shoulder diameter inner ring

Mounting dimensions

d _{a min}	44 mm	Minimum diameter shaft shoulder
D _{a max}	71 mm	Maximum diameter of housing shoulder
r _{a max}	1,5 mm	Maximum fillet radius

Calculation factors

f ₀	13,1	Calculation factor
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Temperature range

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