

FAG**6314**

Deep groove ball bearing

Schaeffler ID:
0167240110000Deep groove ball bearing 63, single row,
steel sheet metal cage

Technical information

Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	150 mm	Outside diameter
B	35 mm	Width
C _r	115.000 N	Basic dynamic load rating, radial
C _{0r}	69.000 N	Basic static load rating, radial
C _{ur}	4.600 N	Fatigue load limit, radial
n _G	6.800 1/min	Limiting speed
n _{gr}	6.100 1/min	Reference speed
	2,496 kg	Weight

Dimensions

r _{min}	2,1 mm	Minimum chamfer dimension
D ₁	126,3 mm	Shoulder diameter outer ring
d ₁	95,1 mm	Shoulder diameter inner ring

Mounting dimensions

d _{a min}	82 mm	Minimum diameter shaft shoulder
D _{a max}	138 mm	Maximum diameter of housing shoulder
r _{a max}	2,1 mm	Maximum fillet radius

Calculation factors

f ₀	13,4	Calculation factor
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Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	150 °C	Operating temperature max.