

FAG**6306**

Deep groove ball bearing

Schaeffler ID:
0167230900000Deep groove ball bearing 63, single row,
steel sheet metal cage

Technical information

Main Dimensions & Performance Data

d	30 mm	Bore diameter
D	72 mm	Outside diameter
B	19 mm	Width
C _r	30.500 N	Basic dynamic load rating, radial
C _{0r}	16.200 N	Basic static load rating, radial
C _{ur}	1.050 N	Fatigue load limit, radial
n _G	13.700 1/min	Limiting speed
n _{gr}	10.500 1/min	Reference speed
	0,338 kg	Weight

Dimensions

r _{min}	1,1 mm	Minimum chamfer dimension
D ₁	59,6 mm	Shoulder diameter outer ring
d ₁	44,6 mm	Shoulder diameter inner ring

Mounting dimensions

d _{a min}	37 mm	Minimum diameter shaft shoulder
D _{a max}	65 mm	Maximum diameter of housing shoulder
r _{a max}	1,1 mm	Maximum fillet radius

Calculation factors

f ₀	13	Calculation factor
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Temperature range

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