

**FAG****61809-2RZ-Y**

Deep groove ball bearing

Schaeffler ID:
0787845140000Deep groove ball bearing 618...-2RZ-Y,
single row, shields, brass sheet metal cage

Technical information

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	58 mm	Outside diameter
B	7 mm	Width
C _r	7.000 N	Basic dynamic load rating, radial
C _{0r}	5.900 N	Basic static load rating, radial
C _{ur}	400 N	Fatigue load limit, radial
n _G	14.300 1/min	Limiting speed
n _{gr}	7.300 1/min	Reference speed
	0,039 kg	Weight

Dimensions

r _{min}	0,3 mm	Minimum chamfer dimension
D ₂	55,4 mm	Caliber diameter outer ring
d ₁	49,1 mm	Shoulder diameter inner ring

Mounting dimensions

d _{a min}	47 mm	Minimum diameter shaft shoulder
D _{a max}	56 mm	Maximum diameter of housing shoulder
r _{a max}	0,3 mm	Maximum fillet radius

Calculation factors

f ₀	16,3	Calculation factor
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Temperature range

T _{min}	-20 °C	Operating temperature min.
T _{max}	100 °C	Operating temperature max.

