

FAG**6205-C-2Z**

Deep groove ball bearing

Schaeffler ID:
0593721760000

Deep groove ball bearing 62...-C-2Z, single row, Generation C, shields, steel sheet metal cage

Technical information

Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
C _r	15.900 N	Basic dynamic load rating, radial
C _{0r}	7.800 N	Basic static load rating, radial
C _{ur}	530 N	Fatigue load limit, radial
n _G	18.400 1/min	Limiting speed
n _{gr}	16.000 1/min	Reference speed
	0,125 kg	Weight

Dimensions

r _{min}	1 mm	Minimum chamfer dimension
D ₂	46,4 mm	Caliber diameter outer ring
d ₂	31,4 mm	Caliber diameter inner ring

Mounting dimensions

d _{a min}	30,6 mm	Minimum diameter shaft shoulder
D _{a max}	46,4 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum fillet radius

Calculation factors

f ₀	13,8	Calculation factor
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Temperature range

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