



FAG

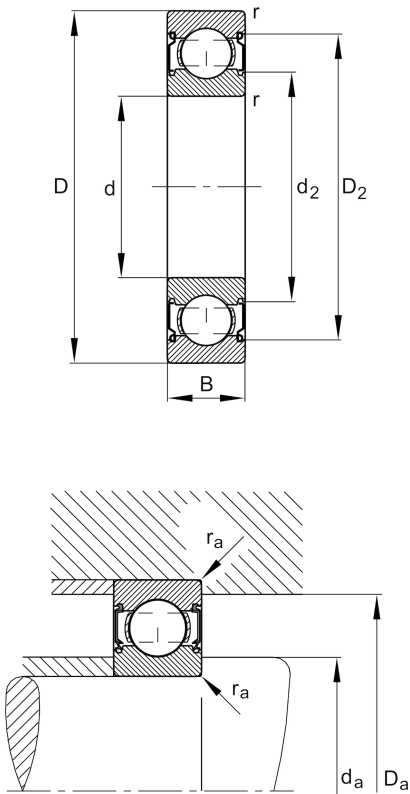
6308-C-2Z

Deep groove ball bearing

Schaeffler ID:
0628206130000

Deep groove ball bearing 63...-C-2Z, single row, Generation C, shields, steel sheet metal cage

Technical information



Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	90 mm	Outside diameter
B	23 mm	Width
C _r	47.000 N	Basic dynamic load rating, radial
C _{0r}	25.000 N	Basic static load rating, radial
C _{ur}	1.740 N	Fatigue load limit, radial
n _G	10.100 1/min	Limiting speed
n _{gr}	9.900 1/min	Reference speed
	0,606 kg	Weight

Mounting dimensions

d _{a min}	49 mm	Minimum diameter shaft shoulder
D _{a max}	81 mm	Maximum diameter of housing shoulder
r _{a max}	1,5 mm	Maximum fillet radius

Dimensions

r _{min}	1,5 mm	Minimum chamfer dimension
D ₂	78,8 mm	Caliber diameter outer ring
d ₂	52,1 mm	Caliber diameter inner ring

Temperature range

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

Calculation factors

f ₀	13	Calculation factor
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