



FAG

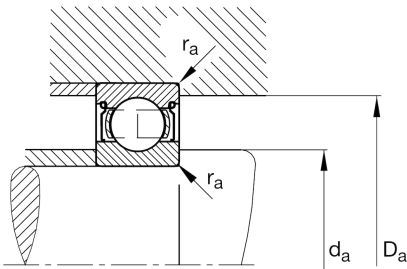
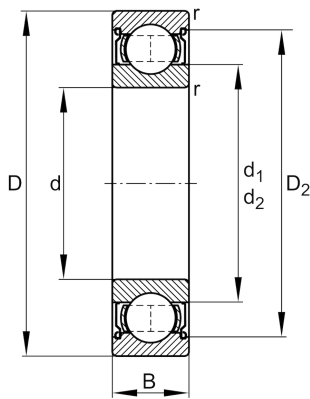
623-2Z

Deep groove ball bearing

Schaeffler ID:
0383908680000

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

Technical information



Main Dimensions & Performance Data

d	3 mm	Bore diameter
D	10 mm	Outside diameter
B	4 mm	Width
C _r	641 N	Basic dynamic load rating, radial
C _{0r}	226 N	Basic static load rating, radial
C _{ur}	11,7 N	Fatigue load limit, radial
n _G	81.000 1/min	Limiting speed
n _{gr}	59.000 1/min	Reference speed
	2 g	{Weight}

Mounting dimensions

d _{a min}	4,4 mm	Minimum diameter shaft shoulder
D _{a max}	8,6 mm	Maximum diameter of housing shoulder
r _{a max}	0,15 mm	Maximum fillet radius

Dimensions

r _{min}	0,15 mm	Minimum chamfer dimension
D ₂	7,98 mm	Caliber diameter outer ring
d ₂	4,35 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	12,8	Calculation factor
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