



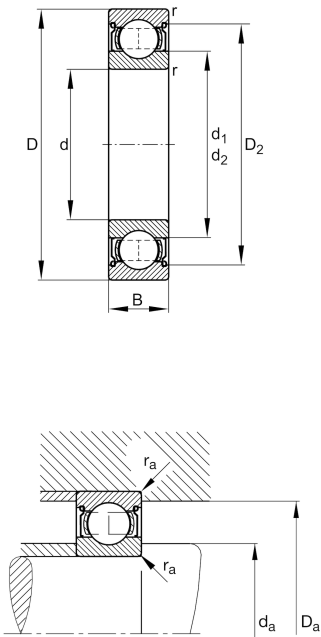
FAG

6316-2Z-C4

Deep groove ball bearing

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

Technical information



Your current product variant

Sealing	2Z	Non-contact shield on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	GA13	Ball bearing and insert bearing grease, standard for D>62mm
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	80 mm	Bore diameter
D	170 mm	Outside diameter
B	39 mm	Width
C _r	131,000 N	Basic dynamic load rating, radial
C _{0r}	87,000 N	Basic static load rating, radial
C _{ur}	5,400 N	Fatigue load limit, radial
n _G	4,550 1/min	Limiting speed
n _{gr}	5,500 1/min	Reference speed
m	3.75 kg	Weight



Mounting dimensions

d a min	92 mm	Minimum diameter shaft shoulder
D a max	158 mm	Maximum diameter of housing shoulder
r a max	2.1 mm	Maximum fillet radius

Dimensions

r min	2.1 mm	Minimum chamfer dimension
D 1	141.92 mm	Shoulder diameter outer ring
D 2	145.48 mm	Caliber diameter outer ring
d 1	108.2 mm	Shoulder diameter inner ring







Temperature range

T min	-20 °C	Operating temperature min.
T max	120 °C	Operating temperature max.

Calculation factors

f 0	13.3	Calculation factor
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Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Lifetime lubrication, freedom from maintenance
	Grease Lubrication
	Sealed on both sides