



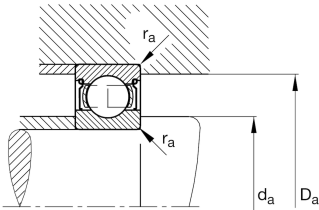
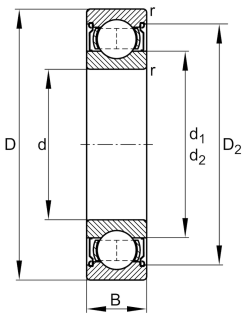
FAG

6320-2Z

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	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	215 mm	Outside diameter
B	47 mm	Width
C _r	177,000 N	Basic dynamic load rating, radial
C _{0r}	137,000 N	Basic static load rating, radial
C _{ur}	7,400 N	Fatigue load limit, radial
n _G	3,600 1/min	Limiting speed
n _{gr}	4,600 1/min	Reference speed
≈m	7.35 kg	Weight



Mounting dimensions

$d_{a\min}$	114 mm	Minimum diameter shaft shoulder
$D_{a\max}$	201 mm	Maximum diameter of housing shoulder
$r_{a\max}$	2.5 mm	Maximum fillet radius

Dimensions

$r_{\min}$	3 mm	Minimum chamfer dimension
D_1	179.14 mm	Shoulder diameter outer ring
D_2	184.58 mm	Caliber diameter outer ring
d_1	138.1 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	13.7	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