

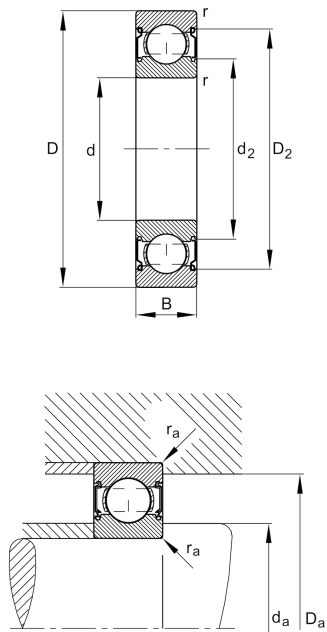
FAG

6211-C-Z-C3

Deep groove ball bearing

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

Technical information



Your current product variant

Changed internal design	C	GenerationC
Sealing	Z	Non-contact shield on one Side
Cage	JN	Steel sheet metal
Tolerance class	P6	Class6 (P6), better than PN
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	100 mm	Outside diameter
B	21 mm	Width
C <sub>r</sub>	50,000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	29,000 N	Basic static load rating, radial
C <sub>ur</sub>	2,020 N	Fatigue load limit, radial
n <sub>G</sub>	10,400 1/min	Limiting speed
n <sub>gr</sub>	8,300 1/min	Reference speed
≈m	0.576 kg	Weight



Mounting dimensions

$d_{a\ min}$	64 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	91 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1.5 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1.5 mm	Minimum chamfer dimension
$D_1$	86.95 mm	Shoulder diameter outer ring
$D_2$	89.72 mm	Caliber diameter outer ring
$d_1$	68.62 mm	Shoulder diameter inner ring
$d_2$	66.69 mm	Caliber diameter inner ring







Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.

Calculation factors

$f_0$	14.2	Calculation factor
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Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Grease Lubrication
	Oil Lubrication
	Sealed on one side