



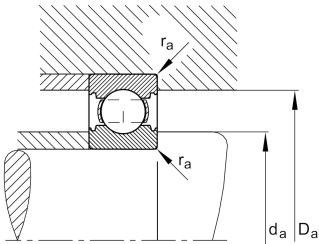
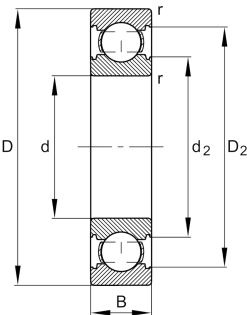
FAG

6313-C-C4

Deep groove ball bearing

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

Technical information



Your current product variant

Changed internal design	C	GenerationC
Sealing	Without	Not sealed
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	C4 (Group 4)	Internal clearance larger than C3
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	65 mm	Bore diameter
D	140 mm	Outside diameter
B	33 mm	Width
C _r	101,000 N	Basic dynamic load rating, radial
C _{0r}	60,000 N	Basic static load rating, radial
C _{ur}	4,100 N	Fatigue load limit, radial
n _G	7,300 1/min	Limiting speed
n _{gr}	7,000 1/min	Reference speed
≈m	2.008 kg	Weight



Mounting dimensions

$d_{a\min}$	77 mm	Minimum diameter shaft shoulder
$D_{a\max}$	128 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	118.22 mm	Shoulder diameter outer ring
D_2	121.4 mm	Caliber diameter outer ring
d_1	87.73 mm	Shoulder diameter inner ring
d_2	85.59 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	13.2	Calculation factor
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Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Grease Lubrication
	Oil Lubrication
	Not sealed