



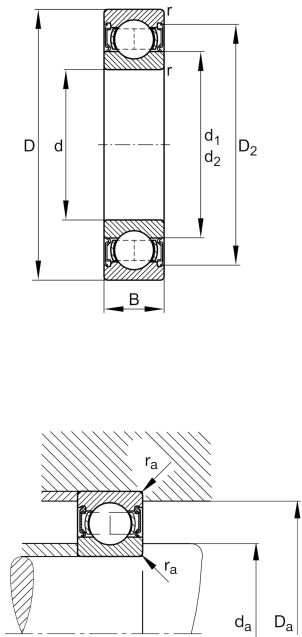
FAG

63004-A-2RSR-C3

Deep groove ball bearing

Deep groove ball bearing 630..-A-2RSR, single row, seals, steel sheet metal cage

Technical information



Your current product variant

Changed internal design	A	Design variant A
Sealing	2RSR	Contact seal on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Lubricating grease	
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	20 mm	Bore diameter
D	42 mm	Outside diameter
B	16 mm	Width
C _r	9,380 N	Basic dynamic load rating, radial
C _{0r}	5,030 N	Basic static load rating, radial
C _{ur}	340 N	Fatigue load limit, radial
n _G	9,700 1/min	Limiting speed
≈m	86 g	Weight



Mounting dimensions

$d_{a\ min}$	23.2 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	38.8 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	0.6 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	0.6 mm	Minimum chamfer dimension
D_1	35.37 mm	Shoulder diameter outer ring
D_2	37.71 mm	Caliber diameter outer ring
d_1	27.5 mm	Shoulder diameter inner ring

Temperature range

$T_{\ min}$	-20 °C	Operating temperature min.
$T_{\ max}$	100 °C	Operating temperature max.

Calculation factors

f_0	13.8	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