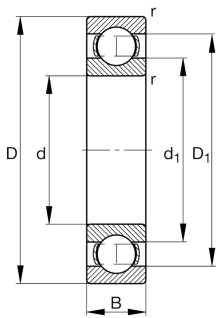
**FAG****61952-N1-M-C3**

Deep groove ball bearing

Deep groove ball bearing 619..-N1-M, single row, holding groove, solid brass cage

Technical information



Your current product variant

Type of Seal	Without	Not sealed
Design, bearing outer ring	N1	One retaining groove in the outer ring
Cage	M	Solid brass cage, rolling element guided
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S1	Rings dimensional stabilized up to 200°
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	260 mm	Bore diameter
D	360 mm	Outside diameter
B	46 mm	Width
C_r	222.000 N	Basic dynamic load rating, radial
C_{0r}	280.000 N	Basic static load rating, radial
C_{ur}	8.800 N	Fatigue load limit, radial
n_G	3.050 1/min	Limiting speed
n_{gr}	2.180 1/min	Reference speed
$\approx m$	14,2 kg	Weight



Mounting dimensions

$d_{a\min}$	270,2 mm	Minimum diameter shaft shoulder
$D_{a\max}$	349,8 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	330 mm	Shoulder diameter outer ring
d_1	291,1 mm	Shoulder diameter inner ring

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	200 °C	Operating temperature max.

Calculation factors

f_0	16,3	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
	Large bearing