

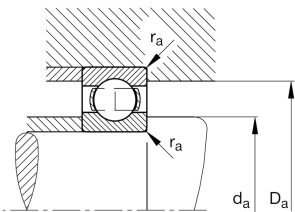
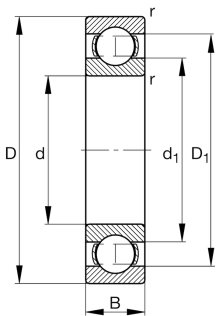
FAG

61996-N1-MA-C3

Deep groove ball bearing

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

Technical information



Your current product variant

Type of Sealing	Without	Not sealed
Design, bearing outer ring	N1	One retaining groove in the outer ring
Cage	MA	Solid brass cage, outer ring 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	480 mm	Bore diameter
D	650 mm	Outside diameter
B	78 mm	Width
C _r	445.000 N	Basic dynamic load rating, radial
C _{0r}	810.000 N	Basic static load rating, radial
C _{ur}	19.000 N	Fatigue load limit, radial
n _G	1.630 1/min	Limiting speed
n _{gr}	1.130 1/min	Reference speed
≈m	75 kg	Weight



Mounting dimensions

$d_{a\min}$	498 mm	Minimum diameter shaft shoulder
$D_{a\max}$	632 mm	Maximum diameter of housing shoulder
$r_{a\max}$	4 mm	Maximum fillet radius

Dimensions

$r_{\min}$	5 mm	Minimum chamfer dimension
D_1	596,9 mm	Shoulder diameter outer ring
d_1	535,9 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	16,5	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