



FAG

619/600-MA-C4

Deep groove ball bearing

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

Technical information



Your current product variant

Sealing	Without	Not sealed
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	C4 (Group 4)	Internal clearance larger than C3
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	600 mm	Bore diameter
D	800 mm	Outside diameter
B	90 mm	Width
C _r	550.000 N	Basic dynamic load rating, radial
C _{0r}	1.120.000 N	Basic static load rating, radial
C _{ur}	24.300 N	Fatigue load limit, radial
n _G	1.300 1/min	Limiting speed
n _{gr}	880 1/min	Reference speed
≈m	128 kg	Weight



Mounting dimensions

$d_{a\ min}$	618 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	782 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	4 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	5 mm	Minimum chamfer dimension
D_1	737,7 mm	Shoulder diameter outer ring
d_1	664,6 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