

**FAG****60/500-N1-MA-C3**

Deep groove ball bearing

Deep groove ball bearing 60.-N1-MA, single row, holding groove, solid brass cage

Technical information



Your current product variant

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 (PN)
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	500 mm	Bore diameter
D	720 mm	Outside diameter
B	100 mm	Width
C_r	610.000 N	Basic dynamic load rating, radial
C_{0r}	1.150.000 N	Basic static load rating, radial
C_{ur}	28.500 N	Fatigue load limit, radial
n_G	1.440 1/min	Limiting speed
n_{gr}	1.070 1/min	Reference speed
$\approx m$	132,5 kg	Weight



Mounting dimensions

$d_{a \min}$	523 mm	Minimum diameter shaft shoulder
$D_{a \max}$	697 mm	Maximum diameter of housing shoulder
$r_{a \max}$	5 mm	Maximum fillet radius

Dimensions

r_{\min}	6 mm	Minimum chamfer dimension
D_1	659 mm	Shoulder diameter outer ring
d_1	574,85 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	16,2	Calculation factor
-------	------	--------------------

Characteristics

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