

**FAG****618/850-MA**

Deep groove ball bearing

Deep groove ball bearing 618..-MA, single row, solid brass cage

Technical information



Your current product variant

Type of Sealing	Without	Not sealed
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	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	850 mm	Bore diameter
D	1.030 mm	Outside diameter
B	82 mm	Width
C _r	560.000 N	Basic dynamic load rating, radial
C _{0r}	1.310.000 N	Basic static load rating, radial
C _{ur}	24.600 N	Fatigue load limit, radial
n _G	980 1/min	Limiting speed
n _{gr}	580 1/min	Reference speed
m	141 kg	Weight



Mounting dimensions

$d_{a \min}$	868 mm	Minimum diameter shaft shoulder
$D_{a \max}$	1.012 mm	Maximum diameter of housing shoulder
$r_{a \max}$	4 mm	Maximum fillet radius

Dimensions

r_{\min}	5 mm	Minimum chamfer dimension
D_1	973,5 mm	Shoulder diameter outer ring
d_1	908,5 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	15,9	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