

**FAG****61848-MA-C3**

Deep groove ball bearing

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

Technical information



Your current product variant

Type of Seal	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	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	240 mm	Bore diameter
D	300 mm	Outside diameter
B	28 mm	Width
C _r	100.000 N	Basic dynamic load rating, radial
C _{0r}	124.000 N	Basic static load rating, radial
C _{ur}	4.500 N	Fatigue load limit, radial
n _G	3.750 1/min	Limiting speed
n _{gr}	2.260 1/min	Reference speed
m	4,76 kg	Weight



Mounting dimensions

$d_{a \min}$	248,8 mm	Minimum diameter shaft shoulder
$D_{a \max}$	291,2 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2 mm	Maximum fillet radius

Dimensions

r_{\min}	2 mm	Minimum chamfer dimension
D_1	281,6 mm	Shoulder diameter outer ring
d_1	259,3 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