

**FAG****61838-MA-C3**

Deep groove ball bearing

Deep groove ball bearing 618..-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	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

## Main Dimensions &amp; Performance Data

d	190 mm	Bore diameter
D	240 mm	Outside diameter
B	24 mm	Width
C <sub>r</sub>	73.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	85.000 N	Basic static load rating, radial
C <sub>ur</sub>	3.400 N	Fatigue load limit, radial
n <sub>G</sub>	4.750 1/min	Limiting speed
n <sub>gr</sub>	2.700 1/min	Reference speed
m	2,72 kg	Weight



### Mounting dimensions

$d_{a \min}$	197 mm	Minimum diameter shaft shoulder
$D_{a \max}$	233 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum fillet radius

### Dimensions

$r_{\min}$	1,5 mm	Minimum chamfer dimension
$D_1$	224,4 mm	Shoulder diameter outer ring
$d_1$	206,62 mm	Shoulder diameter inner ring

### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.

### Calculation factors

$f_0$	16	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