

**FAG****61892-MA**

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 (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 &amp; Performance Data

d	460 mm	Bore diameter
D	580 mm	Outside diameter
B	56 mm	Width
C <sub>r</sub>	290.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	480.000 N	Basic static load rating, radial
C <sub>ur</sub>	12.300 N	Fatigue load limit, radial
n <sub>G</sub>	1.840 1/min	Limiting speed
n <sub>gr</sub>	1.170 1/min	Reference speed
m	35,3 kg	Weight



### Mounting dimensions

$d_{a \min}$	472,4 mm	Minimum diameter shaft shoulder
$D_{a \max}$	567,6 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,5 mm	Maximum fillet radius

### Dimensions

$r_{\min}$	3 mm	Minimum chamfer dimension
$D_1$	542 mm	Shoulder diameter outer ring
$d_1$	500,2 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	Calculation factor
-------	----	--------------------

### Characteristics

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