



FAG

618/500-MA-C4

Deep groove ball bearing

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

Informacje techniczne



Twoja aktualna wersja produktu

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	C4 (Group 4)	Internal clearance larger than C3
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	500 mm	Bore diameter
D	620 mm	Outside diameter
B	56 mm	Width
C _r	295.000 N	Basic dynamic load rating, radial
C _{0r}	510.000 N	Basic static load rating, radial
C _{ur}	12.700 N	Fatigue load limit, radial
n _G	1.710 1/min	Limiting speed
n _{gr}	1.060 1/min	Reference speed
≈m	38,6 kg	Masa



Mounting dimensions

$d_{a\ min}$	512,4 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	607,6 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2,5 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	3 mm	Minimum chamfer dimension
$D_{\ 1}$	582 mm	Shoulder diameter outer ring
$d_{\ 1}$	540,4 mm	Shoulder diameter inner ring

Temperature range

$T_{\ min}$	-30 °C	Operating temperature min.
$T_{\ max}$	200 °C	Operating temperature max.

Calculation factors

$f_{\ 0}$	15,8	Calculation factor
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Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Smarowanie smarem
-  Smarowanie olejem
-  Bez uszczelnienia
-  Łożysko gabarytowe