



FAG

60/500-M [🔗](#)

Deep groove ball bearing

Deep groove ball bearing 60.-M, single row, solid brass cage

Informacje techniczne



Twoja aktualna wersja produktu

Sealing	Without	Not sealed
Cage	M	Solid brass cage, rolling element 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	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	500 mm	Bore diameter
D	720 mm	Outside diameter
B	100 mm	Width
C _r	610.000 N	Basic dynamic load rating, radial
C _{0r}	1.150.000 N	Basic static load rating, radial
C _{ur}	28.500 N	Fatigue load limit, radial
n _G	1.440 1/min	Limiting speed
n _{gr}	1.070 1/min	Reference speed
≈m	132 kg	Masa



Mounting dimensions

$d_{a\min}$	523 mm	Minimum diameter shaft shoulder
$D_{a\max}$	697 mm	Maximum diameter of housing shoulder
$r_{a\max}$	5 mm	Maximum fillet radius

Dimensions

$r_{\min}$	6 mm	Minimum chamfer dimension
D_1	659 mm	Shoulder diameter outer ring
d_1	574,85 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	16,2	Calculation factor
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Właściwości

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