

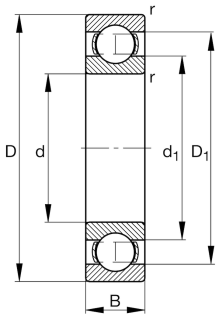
FAG

61872-M

Deep groove ball bearing

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

Technical information



Your current product variant

Sealing	Without	Not sealed
Cage	M	Solid brass cage, rolling element 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 & Performance Data

d	360 mm	Bore diameter
D	440 mm	Outside diameter
B	38 mm	Width
C _r	160,000 N	Basic dynamic load rating, radial
C _{0r}	235,000 N	Basic static load rating, radial
C _{ur}	7,100 N	Fatigue load limit, radial
n _G	2,470 1/min	Limiting speed
n _{gr}	1,480 1/min	Reference speed
≈m	12.6 kg	Weight



Mounting dimensions

$d_{a\min}$	370.2 mm	Minimum diameter shaft shoulder
$D_{a\max}$	429.8 mm	Maximum diameter of housing shoulder
$r_{a\max}$	2.1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	2.1 mm	Minimum chamfer dimension
D_1	413.25 mm	Shoulder diameter outer ring
d_1	387.5 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
-  Large bearing