

**FAG****61834-M-C3**

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 (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 & Performance Data

d	170 mm	Bore diameter
D	215 mm	Outside diameter
B	22 mm	Width
C_r	65.000 N	Basic dynamic load rating, radial
C_{0r}	73.000 N	Basic static load rating, radial
C_{ur}	2.900 N	Fatigue load limit, radial
n_G	5.300 1/min	Limiting speed
n_{gr}	2.950 1/min	Reference speed
m	1,94 kg	Weight



Mounting dimensions

$d_{a \min}$	176 mm	Minimum diameter shaft shoulder
$D_{a \max}$	209 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius

Dimensions

r_{\min}	1,1 mm	Minimum chamfer dimension
D_1	200,78 mm	Shoulder diameter outer ring
d_1	184,9 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