

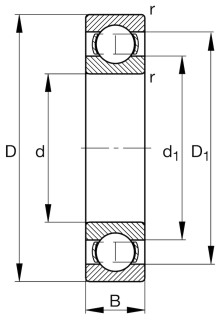
FAG

6030-M-C3

Deep groove ball bearing

Deep groove ball bearing 60.-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	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	150 mm	Bore diameter
D	225 mm	Outside diameter
B	35 mm	Width
C _r	131,000 N	Basic dynamic load rating, radial
C _{0r}	124,000 N	Basic static load rating, radial
C _{ur}	5,600 N	Fatigue load limit, radial
n _G	5,100 1/min	Limiting speed
n _{gr}	3,850 1/min	Reference speed
≈m	4.93 kg	Weight



Mounting dimensions

$d_{a\min}$	160.2 mm	Minimum diameter shaft shoulder
$D_{a\max}$	214.8 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	201.42 mm	Shoulder diameter outer ring
d_1	174.36 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

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