



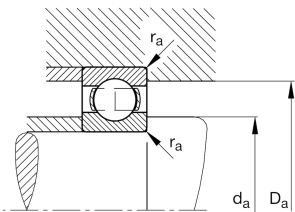
FAG

6020-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	100 mm	Bore diameter
D	150 mm	Outside diameter
B	24 mm	Width
C _r	64,000 N	Basic dynamic load rating, radial
C _{0r}	54,000 N	Basic static load rating, radial
C _{ur}	3,050 N	Fatigue load limit, radial
n _G	7,900 1/min	Limiting speed
n _{gr}	5,100 1/min	Reference speed
≈m	1.52 kg	Weight



Mounting dimensions

$d_{a\ min}$	107 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	143 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1.5 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	1.5 mm	Minimum chamfer dimension
$D_{\ 1}$	134.12 mm	Shoulder diameter outer ring
$d_{\ 1}$	116.58 mm	Shoulder diameter inner ring

Temperature range

$T_{\ min}$	-30 °C	Operating temperature min.
$T_{\ max}$	150 °C	Operating temperature max.

Calculation factors

$f_{\ 0}$	15.8	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