



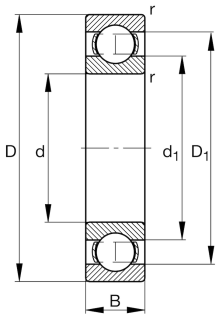
FAG

6418-M-C3

Deep groove ball bearing

Deep groove ball bearing 64...-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	90 mm	Bore diameter
D	225 mm	Outside diameter
B	54 mm	Width
C _r	209,000 N	Basic dynamic load rating, radial
C _{0r}	162,000 N	Basic static load rating, radial
C _{ur}	9,100 N	Fatigue load limit, radial
n _G	5,200 1/min	Limiting speed
n _{gr}	4,950 1/min	Reference speed
≈m	11.7 kg	Weight



Mounting dimensions

$d_{a\min}$	110 mm	Minimum diameter shaft shoulder
$D_{a\max}$	205 mm	Maximum diameter of housing shoulder
$r_{a\max}$	3 mm	Maximum fillet radius

Dimensions

$r_{\min}$	4 mm	Minimum chamfer dimension
D_1	184.14 mm	Shoulder diameter outer ring
d_1	132.1 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	12.1	Calculation factor
-------	------	--------------------

Characteristics

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