

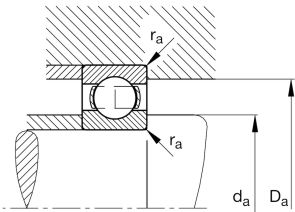
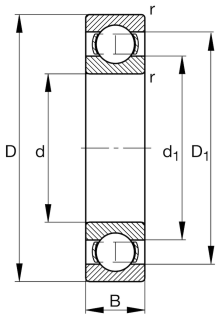
FAG

6021-M-C4

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	C4 (Group 4)	Internal clearance larger than C3
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	105 mm	Bore diameter
D	160 mm	Outside diameter
B	26 mm	Width
C _r	75,000 N	Basic dynamic load rating, radial
C _{0r}	64,000 N	Basic static load rating, radial
C _{ur}	3,550 N	Fatigue load limit, radial
n _G	7,400 1/min	Limiting speed
n _{gr}	4,950 1/min	Reference speed
≈m	1.86 kg	Weight



Mounting dimensions

$d_{a\min}$	113.8 mm	Minimum diameter shaft shoulder
$D_{a\max}$	151.2 mm	Maximum diameter of housing shoulder
$r_{a\max}$	2 mm	Maximum fillet radius

Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
D_1	142.52 mm	Shoulder diameter outer ring
d_1	122.12 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	15.7	Calculation factor
-------	------	--------------------

Characteristics

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