



FAG

6216-M-J20AB-C3

Deep groove ball bearing

Deep groove ball bearing 62...-M-J20AB,
single row, solid brass cage, ceramic coated

Technical information

Your current product variant

Type of 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
Coating	J20AB	Current insulation, outer ring ceramic coated

Main Dimensions & Performance Data

d	80 mm	Bore diameter
D	140 mm	Outside diameter
B	26 mm	Width
C _r	77.000 N	Basic dynamic load rating, radial
C _{0r}	55.000 N	Basic static load rating, radial
C _{ur}	3.650 N	Fatigue load limit, radial
n _G	9.500 1/min	Limiting speed
n _{gr}	5.500 1/min	Reference speed
≈m	1,7 kg	Weight



Mounting dimensions

$d_{a\min}$	91 mm	Minimum diameter shaft shoulder
$D_{a\max}$	129 mm	Maximum diameter of housing shoulder
$r_{a\max}$	2 mm	Maximum fillet radius

Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
D_1	121,8 mm	Shoulder diameter outer ring
d_1	98,84 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	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
	Current insulated