

**FAG****6216-J20AA-C4** [↗](#)

Deep groove ball bearing

Deep groove ball bearing 62...-J20AA, single row, steel sheet metal cage, ceramic coated

Technical information



Your current product variant

Sealing	Without	Not sealed
Cage	JN	Steel sheet metal
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	C4 (Group 4)	Internal clearance larger than C3
Bore type	Z	Cylindrical
Coating	J20AA	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	7,300 1/min	Limiting speed
n _{gr}	5,500 1/min	Reference speed
≈m	1.438 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