

**FAG****6224-N1-M-J20C-C3**

Deep groove ball bearing

Deep groove ball bearing 62...-M-J20C, single row, solid brass cage, ceramic coated

## Technical information

**Your current product variant**

Sealing	Without	Not sealed
Design, bearing outer ring	N1	One retaining groove in the outer ring
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	J20C	Current insulation, inner ring ceramic coated

**Main Dimensions & Performance Data**

d	120 mm	Bore diameter
D	215 mm	Outside diameter
B	40 mm	Width
C <sub>r</sub>	154.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	123.000 N	Basic static load rating, radial
C <sub>ur</sub>	6.400 N	Fatigue load limit, radial
n <sub>G</sub>	5.500 1/min	Limiting speed
n <sub>gr</sub>	4.250 1/min	Reference speed
≈m	6,4 kg	Weight



### Mounting dimensions

$d_{a \min}$	132 mm	Minimum diameter shaft shoulder
$D_{a \max}$	203 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum fillet radius

### Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
$D_1$	185,04 mm	Shoulder diameter outer ring
$d_1$	151,46 mm	Shoulder diameter inner ring

### Temperature range

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

### Calculation factors

$f_0$	14,8	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
	Current insulated