

**FAG****6228-J20AB-C4**

Deep groove ball bearing

Deep groove ball bearing 62...-J20AB, 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	S1	Rings dimensional stabilized up to 200°
Lubricant	Without	Bearing not greased
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Bore type	Z	Cylindrical
Coating	J20AB	Current insulation, outer ring ceramic coated

Main Dimensions & Performance Data

d	140 mm	Bore diameter
D	250 mm	Outside diameter
B	42 mm	Width
C _r	188.000 N	Basic dynamic load rating, radial
C _{0r}	165.000 N	Basic static load rating, radial
C _{ur}	8.400 N	Fatigue load limit, radial
n _G	3.600 1/min	Limiting speed
n _{gr}	3.600 1/min	Reference speed
≈m	8 kg	Weight



Mounting dimensions

$d_{a \min}$	154 mm	Minimum diameter shaft shoulder
$D_{a \max}$	236 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,5 mm	Maximum fillet radius

Dimensions

r_{\min}	3 mm	Minimum chamfer dimension
D_1	214,4 mm	Shoulder diameter outer ring
d_1	175,9 mm	Shoulder diameter inner ring

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	200 °C	Operating temperature max.

Calculation factors

f_0	14,9	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