

**FAG****61903-2Z-C3>N**

Deep groove ball bearing

Deep groove ball bearing 619..-2Z, single row, shields, steel sheet metal cage

Technical information



Your current product variant

Version code	>N	Not marked on bearing
Sealing	2Z	Non-contact shield on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Lubricating grease	
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	17 mm	Bore diameter
D	30 mm	Outside diameter
B	7 mm	Width
C _r	4.900 N	Basic dynamic load rating, radial
C _{0r}	2.550 N	Basic static load rating, radial
C _{ur}	158 N	Fatigue load limit, radial
n _G	29.500 1/min	Limiting speed
n _{gr}	18.500 1/min	Reference speed
m	0,016 kg	Weight



Mounting dimensions

$d_{a \min}$	19 mm	Minimum diameter shaft shoulder
$D_{a \max}$	28 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0,3 mm	Maximum fillet radius

Dimensions

r_{\min}	0,3 mm	Minimum chamfer dimension
D_1	26,7 mm	Shoulder diameter outer ring
D_2	27,6 mm	Caliber diameter outer ring
d_1	20,3 mm	Shoulder diameter inner ring

Temperature range

T_{\min}	-20 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.

Calculation factors

f_0	14,7	Calculation factor
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Characteristics

-  F_r Radial load
-  F_a Axial load in one direction
-  F_a Axial load in two directions
-  L_h Lifetime lubrication, freedom from maintenance
-  Grease Lubrication
-  Sealed on both sides