



FAG

61900>N

Deep groove ball bearing

Deep groove ball bearing 619, single row,
steel sheet metal cage

Technical information



Your current product variant

Version code	>N	Not marked on bearing
Type of Seal	Without	Not sealed
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Without	Bearing not greased
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	10 mm	Bore diameter
D	22 mm	Outside diameter
B	6 mm	Width
C _r	2.850 N	Basic dynamic load rating, radial
C _{0r}	1.270 N	Basic static load rating, radial
C _{ur}	79 N	Fatigue load limit, radial
n _G	48.000 1/min	Limiting speed
n _{gr}	27.000 1/min	Reference speed
m	0,01 kg	Weight



Mounting dimensions

$d_{a\ min}$	12 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	20 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	18,1 mm	Shoulder diameter outer ring
D_2	19,5 mm	Caliber diameter outer ring
d_1	13,9 mm	Shoulder diameter inner ring
d_2	13,45 mm	Caliber diameter inner ring

Temperature range

$T_{\ min}$	-30 °C	Operating temperature min.
$T_{\ max}$	120 °C	Operating temperature max.

Calculation factors

f_0	14	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