

**FAG****61907>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 (PN)
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	35 mm	Bore diameter
D	55 mm	Outside diameter
B	10 mm	Width
C_r	11.000 N	Basic dynamic load rating, radial
C_{0r}	7.200 N	Basic static load rating, radial
C_{ur}	445 N	Fatigue load limit, radial
n_G	18.100 1/min	Limiting speed
n_{gr}	10.400 1/min	Reference speed
m	0,074 kg	Weight



Mounting dimensions

$d_{a \min}$	38,2 mm	Minimum diameter shaft shoulder
$D_{a \max}$	51,8 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0,6 mm	Maximum fillet radius

Dimensions

r_{\min}	0,6 mm	Minimum chamfer dimension
D_1	48,9 mm	Shoulder diameter outer ring
D_2	50,9 mm	Caliber diameter outer ring
d_1	41,1 mm	Shoulder diameter inner ring
d_2	40,1 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	15,6	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