

**FAG****61904-C3>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 Sealing	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	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

**Main Dimensions & Performance Data**

d	20 mm	Bore diameter
D	37 mm	Outside diameter
B	9 mm	Width
C <sub>r</sub>	6.600 N	Basic dynamic load rating, radial
C <sub>0r</sub>	3.650 N	Basic static load rating, radial
C <sub>ur</sub>	205 N	Fatigue load limit, radial
n <sub>G</sub>	28.000 1/min	Limiting speed
n <sub>gr</sub>	17.000 1/min	Reference speed
m	0,04 kg	Weight



### Mounting dimensions

$d_{a \min}$	22 mm	Minimum diameter shaft shoulder
$D_{a \max}$	35 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0,3 mm	Maximum fillet radius

### Dimensions

$r_{\min}$	0,3 mm	Minimum chamfer dimension
$D_1$	31,82 mm	Shoulder diameter outer ring
$d_1$	25,2 mm	Shoulder diameter inner ring

### Temperature range

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

### Calculation factors

$f_0$	14,6	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