

**FAG****S61804-2Z>N**

Deep groove ball bearing

Deep groove ball bearing S618..-2Z, corrosion-resistant materials, single row, shields, steel sheet metal cage

## Technical information

**Your current product variant**

Version code	>N	Not marked on bearing
Material Bearing	S	Stainless steel
Sealing	2Z	Non-contact shield on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Lubricating grease	
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

**Main Dimensions & Performance Data**

d	20 mm	Bore diameter
D	32 mm	Outside diameter
B	7 mm	Width
$C_r$	3.700 N	Basic dynamic load rating, radial
$C_{0r}$	2.240 N	Basic static load rating, radial
$C_{ur}$	139 N	Fatigue load limit, radial
$n_G$	28.000 1/min	Limiting speed
$n_{gr}$	16.600 1/min	Reference speed
$\approx m$	18 g	Weight



### Mounting dimensions

$d_{a \min}$	22 mm	Minimum diameter shaft shoulder
$D_{a \max}$	30 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0,3 mm	Maximum fillet radius

### Dimensions

$r_{\min}$	0,3 mm	Minimum chamfer dimension
$D_1$	28,6 mm	Shoulder diameter outer ring
$D_2$	29,6 mm	Caliber diameter outer ring
$d_1$	23,8 mm	Shoulder diameter inner ring

### Temperature range

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

### Calculation factors

$f_0$	15,9	Calculation factor
-------	------	--------------------

### Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Lifetime lubrication, freedom from maintenance
	Grease Lubrication
	Sealed on both sides
	Protected against rust