

**FAG****S6209-2RSR>N**

Deep groove ball bearing

Deep groove ball bearing S62...-2RSR, corrosion-resistant materials, single row, seals, steel sheet metal cage

## Technical information

**Your current product variant**

Version code	>N	Not marked on bearing
Material Bearing	S	Stainless steel
Sealing	2RSR	Contact seal 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	45 mm	Bore diameter
D	85 mm	Outside diameter
B	19 mm	Width
C <sub>r</sub>	33.500 N	Basic dynamic load rating, radial
C <sub>0r</sub>	20.700 N	Basic static load rating, radial
C <sub>ur</sub>	1.280 N	Fatigue load limit, radial
n <sub>G</sub>	4.550 1/min	Limiting speed
≈m	441 g	Weight



### Mounting dimensions

$d_{a \min}$	52 mm	Minimum diameter shaft shoulder
$D_{a \max}$	78 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,1 mm	Maximum fillet radius

### Dimensions

$r_{\min}$	1,1 mm	Minimum chamfer dimension
$D_1$	73,2 mm	Shoulder diameter outer ring
$D_2$	74,65 mm	Caliber diameter outer ring
$d_1$	58,8 mm	Shoulder diameter inner ring

### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.

### Calculation factors

$f_0$	14,4	Calculation factor
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### 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