

**FAG****6209-2RSR-L038**

Deep groove ball bearing

Deep groove ball bearing 62...-2RSR, single row, seals, steel sheet metal cage

## Technical information



## Your current product variant

Sealing	2RSR	Contact seal on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	L038	Grease (L038/customer specific)
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

## Main Dimensions &amp; Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	19 mm	Width
$C_r$	33.000 N	Basic dynamic load rating, radial
$C_{0r}$	20.300 N	Basic static load rating, radial
$C_{ur}$	1.400 N	Fatigue load limit, radial
$n_G$	4.650 1/min	Limiting speed
$m$	436,59 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 mm	Maximum fillet radius



### Dimensions

$r_{\min}$	1,1 mm	Minimum chamfer dimension
$D_1$	71,86 mm	Shoulder diameter outer ring
$D_2$	74,62 mm	Caliber diameter outer ring
$d_1$	57,2 mm	Shoulder diameter inner ring

### Temperature range

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.

### Calculation factors

$f_0$	14,3	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