

**FAG****6009-2RSR-L207**

Deep groove ball bearing

Deep groove ball bearing 60...2RSR, single row, seals, steel sheet metal cage

## Technical information

**Your current product variant**

Type of Seal	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	L207	Low noise high-temperature grease, interchangeable with grease L069
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

**Main Dimensions & Performance Data**

d	45 mm	Bore diameter
D	75 mm	Outside diameter
B	16 mm	Width
$C_r$	21.200 N	Basic dynamic load rating, radial
$C_{0r}$	14.400 N	Basic static load rating, radial
$C_{ur}$	750 N	Fatigue load limit, radial
$n_G$	4.950 1/min	Limiting speed
$\approx m$	254,43 g	Weight

**Mounting dimensions**

$d_{a \text{ min}}$	49,6 mm	Minimum diameter shaft shoulder
$D_{a \text{ max}}$	70,4 mm	Maximum diameter of housing shoulder
$r_{a \text{ max}}$	1 mm	Maximum fillet radius



### Dimensions

$r_{min}$	1 mm	Minimum chamfer dimension
$D_1$	65,6 mm	Shoulder diameter outer ring
$D_2$	67,98 mm	Caliber diameter outer ring
$d_1$	54,2 mm	Shoulder diameter inner ring







### Temperature range

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

### Calculation factors

$f_0$	15,3	Calculation factor
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### Characteristics

-   $F_r$  Radial load
-   $F_a$  Axial load in one direction
-   $F_a$  Axial load in two directions
-   $L_h$  Lifetime lubrication, freedom from maintenance
-  Grease Lubrication
-  Sealed on both sides