

**FAG****6307-2RSR**

Deep groove ball bearing

Deep groove ball bearing 63...-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 (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	GA13	Ball bearing and insert bearing grease
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

**Main Dimensions & Performance Data**

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
$C_r$	35.500 N	Basic dynamic load rating, radial
$C_{0r}$	19.100 N	Basic static load rating, radial
$C_{ur}$	1.290 N	Fatigue load limit, radial
$n_G$	5.400 1/min	Limiting speed
$m$	0,464 kg	Weight

**Mounting dimensions**

$d_{a \min}$	44 mm	Minimum diameter shaft shoulder
$D_{a \max}$	71 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum fillet radius



## Dimensions

$r_{\min}$	1,5 mm	Minimum chamfer dimension
$D_1$	65,6 mm	Shoulder diameter outer ring
$D_2$	67,6 mm	Caliber diameter outer ring
$d_1$	49,3 mm	Shoulder diameter inner ring

## Temperature range

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

## Calculation factors

$f_0$	13,1	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