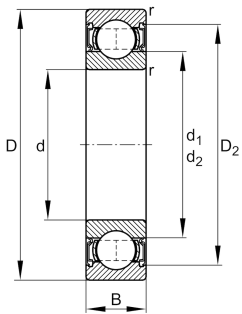


**FAG****61807-2RSR-C3>N**

Deep groove ball bearing

Deep groove ball bearing 618...-2RSR, single row, seals, steel sheet metal cage

Technical information



Your current product variant

Version code	>N	Not marked on bearing
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	Lubricating grease	
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	47 mm	Outside diameter
B	7 mm	Width
C _r	4.550 N	Basic dynamic load rating, radial
C _{0r}	3.600 N	Basic static load rating, radial
C _{ur}	211 N	Fatigue load limit, radial
n _G	6.900 1/min	Limiting speed
≈m	0,029 kg	Weight



Mounting dimensions

$d_{a\min}$	37 mm	Minimum diameter shaft shoulder
$D_{a\max}$	45 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	43,3 mm	Shoulder diameter outer ring
D_2	44,3 mm	Caliber diameter outer ring
d_1	38,7 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	16,2	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