

**FAG****6307-2RSR-L038**

Deep groove ball bearing

Deep groove ball bearing 63...-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 (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 & 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	502,32 g	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
-------	------	--------------------

Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Lifetime lubrication, freedom from maintenance



Grease Lubrication



Sealed on both sides