

**FAG****6306-2RSR-L138-C3**

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	L138	Grease (L138/customer specific)
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	30 mm	Bore diameter
D	72 mm	Outside diameter
B	19 mm	Width
C_r	30.500 N	Basic dynamic load rating, radial
C_{0r}	16.200 N	Basic static load rating, radial
C_{ur}	1.050 N	Fatigue load limit, radial
n_G	6.000 1/min	Limiting speed
m	0,35 kg	Weight

Mounting dimensions

$d_{a \min}$	37 mm	Minimum diameter shaft shoulder
$D_{a \max}$	65 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	59,62 mm	Shoulder diameter outer ring
D_2	61,58 mm	Caliber diameter outer ring
d_1	44,6 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	13	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