

**FAG****6314-2RSR-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

Type of Seal	2RSR	Contact seal on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	L138	Grease (L138/customer specific)
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

## Main Dimensions &amp; Performance Data

d	70 mm	Bore diameter
D	150 mm	Outside diameter
B	35 mm	Width
C <sub>r</sub>	115.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	69.000 N	Basic static load rating, radial
C <sub>ur</sub>	4.600 N	Fatigue load limit, radial
n <sub>G</sub>	2.800 1/min	Limiting speed
m	2,545 kg	Weight

## Mounting dimensions

d <sub>a min</sub>	82 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	138 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	2,1 mm	Maximum fillet radius



## Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
$D_1$	126,34 mm	Shoulder diameter outer ring
$D_2$	130,18 mm	Caliber diameter outer ring
$d_1$	94,75 mm	Shoulder diameter inner ring

## Temperature range

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

## Calculation factors

$f_0$	13,4	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