

**FAG****6013-2Z-L038** [🔗](#)

Deep groove ball bearing

Deep groove ball bearing 60...-2Z, single row, shields, steel sheet metal cage

Technical information



Your current product variant

Type of Seal	2Z	Non-contact shield 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	L038	Grease (L038/customer specific)
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	65 mm	Bore diameter
D	100 mm	Outside diameter
B	18 mm	Width
C _r	32.500 N	Basic dynamic load rating, radial
C _{0r}	25.000 N	Basic static load rating, radial
C _{ur}	1.300 N	Fatigue load limit, radial
n _G	8.100 1/min	Limiting speed
n _{gr}	7.100 1/min	Reference speed
≈m	0,448 kg	Weight



Mounting dimensions

$d_{a\min}$	71 mm	Minimum diameter shaft shoulder
$D_{a\max}$	94 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	88,8 mm	Shoulder diameter outer ring
D_2	91,52 mm	Caliber diameter outer ring
d_1	76,225 mm	Shoulder diameter inner ring

Temperature range

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.

Calculation factors

f_0	15,7	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