

**FAG****6018-Z-C3**

Deep groove ball bearing

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

## Technical information



## Your current product variant

Sealing	Z	Non-contact shield on one Side
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

## Main Dimensions &amp; Performance Data

d	90 mm	Bore diameter
D	140 mm	Outside diameter
B	24 mm	Width
$C_r$	62.000 N	Basic dynamic load rating, radial
$C_{0r}$	49.500 N	Basic static load rating, radial
$C_{ur}$	3.000 N	Fatigue load limit, radial
$n_G$	6.600 1/min	Limiting speed
$n_{gr}$	5.600 1/min	Reference speed
$\approx m$	1,131 kg	Weight



### Mounting dimensions

$d_{a \min}$	97 mm	Minimum diameter shaft shoulder
$D_{a \max}$	133 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum fillet radius

### Dimensions

$r_{\min}$	1,5 mm	Minimum chamfer dimension
$D_1$	124,48 mm	Shoulder diameter outer ring
$D_2$	126,8 mm	Caliber diameter outer ring
$d_1$	106,2 mm	Shoulder diameter inner ring

### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.

### Calculation factors

$f_0$	15,5	Calculation factor
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### Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Grease Lubrication
	Oil Lubrication
	Sealed on one side