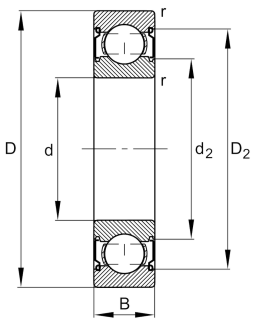
FAG

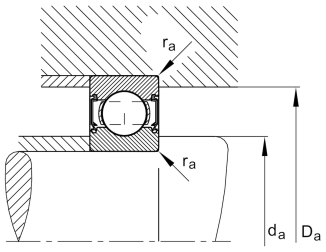
6301-C-2Z>V

Deep groove ball bearing

Deep groove ball bearing 63..-C-2Z, single row, Generation C, shields, steel sheet metal cage

Technical information





Your current product variant

Version code	>V	Not marked on bearing
Changed internal design	C	GenerationC
Sealing	2Z	Non-contact shield on both sides
Cage	JN	Steel sheet metal
Tolerance class	P6	Class6 (P6), better then PN
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	GA14	Ball bearing grease, low noise
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	12 mm	Bore diameter
D	37 mm	Outside diameter
B	12 mm	Width
C_r	11.500 N	Basic dynamic load rating, radial
C_{0r}	4.200 N	Basic static load rating, radial
C_{ur}	290 N	Fatigue load limit, radial
n_G	26.500 1/min	Limiting speed
$n_{\vartheta r}$	21.900 1/min	Reference speed
≈m	0,059 kg	Weight

The data sheet only contains an overview of the technical data of the selected product. Please refer to the additional documentation for this product. For further information, please use the following link on our website: Contact form

Mounting dimensions

$d_{a\ min}$	17,6 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	31,4 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1 mm	Maximum fillet radius

Dimensions

r_{min}	1 mm	Minimum chamfer dimension
D_1	30,06 mm	Shoulder diameter outer ring
D_2	32 mm	Caliber diameter outer ring
d_1	18,94 mm	Shoulder diameter inner ring
d_2	17,97 mm	Caliber diameter inner ring

Temperature range

T_{min}	-20 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.

Calculation factors

f_0	11,1	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

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