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SCHAEFFLER

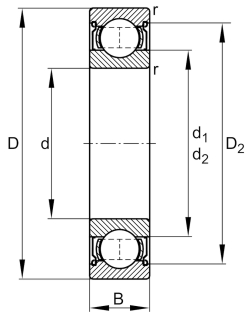
FAG

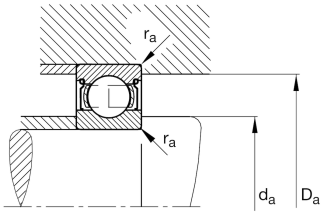
6014-2Z-L207

Deep groove ball bearing

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

Technical information





Your current product variant

Sealing	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	L207	Low noise high-temperature grease, interchangeable with grease L069
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	110 mm	Outside diameter
B	20 mm	Width
C_r	40.500 N	Basic dynamic load rating, radial
C_{0r}	31.000 N	Basic static load rating, radial
C_{ur}	1.900 N	Fatigue load limit, radial
n_G	7.300 1/min	Limiting speed
$n_{\vartheta r}$	6.800 1/min	Reference speed
≈m	0,61 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

$d_{a\ min}$	76 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	104 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	97,28 mm	Shoulder diameter outer ring
D_2	100,04 mm	Caliber diameter outer ring
d_1	82,75 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	15,6	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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