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SCHAEFFLER



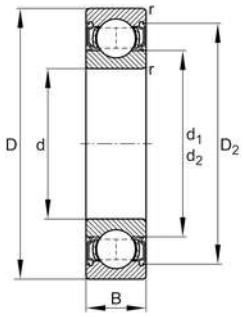
FAG

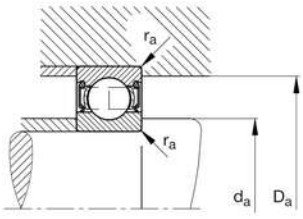
6003-2RSR-C3

Deep groove ball bearing

Deep groove ball bearing 60..-2RSR, single row, seals, steel sheet metal cage

Technical information





Your current product variant

Sealing	2RSR	Contact seal on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	GA14	Ball bearing grease, low noise
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	17 mm	Bore diameter
D	35 mm	Outside diameter
B	10 mm	Width
C_r	6,400 N	Basic dynamic load rating, radial
C_{0r}	3,250 N	Basic static load rating, radial
C_{ur}	162 N	Fatigue load limit, radial
n_G	11,800 1/min	Limiting speed
≈m	39.5 g	Weight

Mounting dimensions

$d_{a\ min}$	19 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	33 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	0.3 mm	Maximum fillet radius

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

Dimensions

r_{min}	0.3 mm	Minimum chamfer dimension
D_1	29.51 mm	Shoulder diameter outer ring
D_2	30.81 mm	Caliber diameter outer ring
d_1	22.65 mm	Shoulder diameter inner ring

Temperature range

T_{min}	-20 °C	Operating temperature min.
T_{max}	100 °C	Operating temperature max.

Calculation factors

f_0	14.3	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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