

**FAG****6300-H-2RSR-C3>N**

Deep groove ball bearing

Deep groove ball bearing 63...-H-2RSR, single row, H-Series, seals, steel sheet metal cage

Technical information

**Your current product variant**

Version code	>N	Not marked on bearing
Changed internal design	H	Design variant H (H-Series)
Sealing	2RSR	Contact seal on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Lubricating grease	
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	10 mm	Bore diameter
D	35 mm	Outside diameter
B	11 mm	Width
C _r	7.650 N	Basic dynamic load rating, radial
C _{0r}	3.470 N	Basic static load rating, radial
C _{ur}	199 N	Fatigue load limit, radial
n _G	13.800 1/min	Limiting speed
≈m	0,057 kg	Weight



Mounting dimensions

$d_{a \min}$	14,2 mm	Minimum diameter shaft shoulder
$D_{a \max}$	30,8 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0,6 mm	Maximum fillet radius

Dimensions

r_{\min}	0,6 mm	Minimum chamfer dimension
D_1	27,7 mm	Shoulder diameter outer ring
D_2	29,7 mm	Caliber diameter outer ring
d_1	19,3 mm	Shoulder diameter inner ring
d_2	18,1 mm	Caliber diameter inner ring

Temperature range

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

Calculation factors

f_0	12,2	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