

**FAG****6309-H-2RSR-SN>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 (PN)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Lubricating grease	
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	25 mm	Width
C _r	48.890 N	Basic dynamic load rating, radial
C _{0r}	29.560 N	Basic static load rating, radial
C _{ur}	1.730 N	Fatigue load limit, radial
n _G	4.350 1/min	Limiting speed
≈m	0,797 kg	Weight



Mounting dimensions

$d_{a \min}$	54 mm	Minimum diameter shaft shoulder
$D_{a \max}$	91 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	83,6 mm	Shoulder diameter outer ring
D_2	85,9 mm	Caliber diameter outer ring
d_1	61,7 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	13,3	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