

**FAG****6310-H-SN-C3>N**

Deep groove ball bearing

Deep groove ball bearing 63.-H, single row,
H-Series, 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)
Type of Seal	Without	Not sealed
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Without	Bearing not greased
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	27 mm	Width
C _r	57.540 N	Basic dynamic load rating, radial
C _{0r}	35.340 N	Basic static load rating, radial
C _{ur}	2.150 N	Fatigue load limit, radial
n _G	8.700 1/min	Limiting speed
n _{gr}	7.700 1/min	Reference speed
m	1,04 kg	Weight



Mounting dimensions

$d_{a \min}$	61 mm	Minimum diameter shaft shoulder
$D_{a \max}$	99 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2 mm	Maximum fillet radius

Dimensions

r_{\min}	2 mm	Minimum chamfer dimension
D_1	91,9 mm	Shoulder diameter outer ring
d_1	69,1 mm	Shoulder diameter inner ring

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.

Calculation factors

f_0	13,3	Calculation factor
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Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed