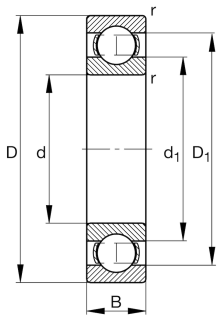


**FAG****6314-H-SN-C3>N**

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	70 mm	Bore diameter
D	150 mm	Outside diameter
B	35 mm	Width
C _r	104.130 N	Basic dynamic load rating, radial
C _{0r}	68.040 N	Basic static load rating, radial
C _{ur}	3.950 N	Fatigue load limit, radial
n _G	6.100 1/min	Limiting speed
n _{gr}	6.100 1/min	Reference speed
m	2,59 kg	Weight



Mounting dimensions

$d_{a\min}$	82 mm	Minimum diameter shaft shoulder
$D_{a\max}$	138 mm	Maximum diameter of housing shoulder
$r_{a\max}$	2,1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
D_1	125,2 mm	Shoulder diameter outer ring
d_1	94,9 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	13,2	Calculation factor
-------	------	--------------------

Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Grease Lubrication
	Oil Lubrication
	Not sealed