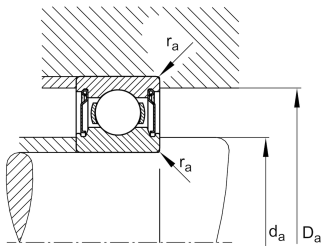
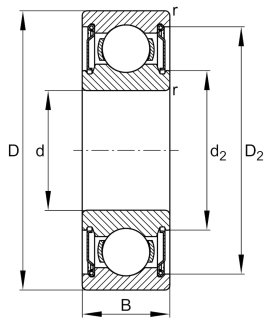


**FAG****6301-H-2Z-C3>N**

Deep groove ball bearing

Deep groove ball bearing 63...H-2Z, single row, H-Series, shields, 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	2Z	Non-contact shield 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	12 mm	Bore diameter
D	37 mm	Outside diameter
B	12 mm	Width
C _r	7.690 N	Basic dynamic load rating, radial
C _{0r}	3.500 N	Basic static load rating, radial
C _{ur}	202 N	Fatigue load limit, radial
n _G	26.000 1/min	Limiting speed
n _{gr}	20.900 1/min	Reference speed
≈m	0,064 kg	Weight



Mounting dimensions

$d_{a\ min}$	17,6 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	31,4 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	1 mm	Minimum chamfer dimension
D_1	29,7 mm	Shoulder diameter outer ring
D_2	31,6 mm	Caliber diameter outer ring
d_1	19,4 mm	Shoulder diameter inner ring
d_2	18,2 mm	Caliber diameter inner ring

Temperature range

$T_{\ min}$	-20 °C	Operating temperature min.
$T_{\ max}$	120 °C	Operating temperature max.

Calculation factors

f_0	12,4	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