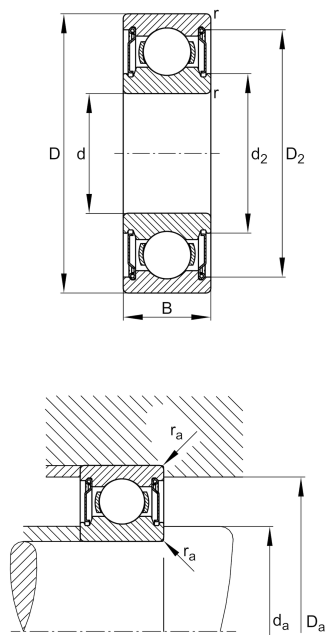


**FAG****6308-H-2Z-C3>N**

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

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
Version code	>N	Not marked on bearing

Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	90 mm	Outside diameter
B	23 mm	Width
C _r	40.760 N	Basic dynamic load rating, radial
C _{0r}	24.010 N	Basic static load rating, radial
C _{ur}	1.440 N	Fatigue load limit, radial
n _G	9.200 1/min	Limiting speed
n _{gr}	8.900 1/min	Reference speed
≈m	0,654 kg	Weight



Mounting dimensions

$d_{a \min}$	49 mm	Minimum diameter shaft shoulder
$D_{a \max}$	81 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	74,8 mm	Shoulder diameter outer ring
D_2	77,1 mm	Caliber diameter outer ring
d_1	56,5 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

f_0	13,2	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