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24.01.2025, 09:20:22 CET

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FAG

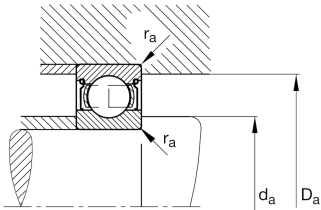
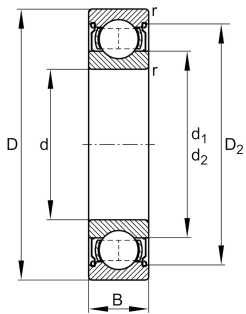
693-2Z-HLC

Deep groove ball bearing

Deep groove ball bearing 69...-2Z, single row, shields, steel sheet metal cage

Schaeffler ID:
0554719190000

Technical information



Your current product variant

Logistical code	HLC	-
Sealing	2Z	Non-contact shield on both sides
Cage	J	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	3 mm	Bore diameter
D	8 mm	Outside diameter
B	4 mm	Width
C _r	559 N	Basic dynamic load rating, radial
C _{0r}	179 N	Basic static load rating, radial
C _{ur}	4,8 N	Fatigue load limit, radial
n _G	87.000 1/min	Limiting speed
≈m	0,001 kg	Weight



Mounting dimensions

$d_{a\min}$	3,8 mm	Minimum diameter shaft shoulder
$D_{a\max}$	7,2 mm	Maximum diameter of housing shoulder
$r_{a\max}$	0,15 mm	Maximum fillet radius

Dimensions

$r_{\min}$	0,15 mm	Minimum chamfer dimension
D_2	7,25 mm	Caliber diameter outer ring
d_1	4,35 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	6,1	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