



FAG

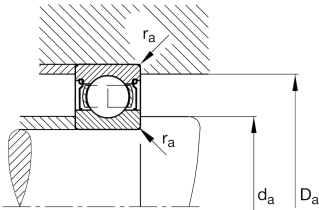
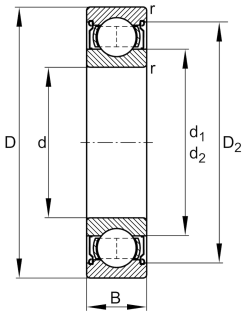
685-2Z-HLC

Deep groove ball bearing

Deep groove ball bearing 68...2Z, single row, shields, steel sheet metal cage

Schaeffler ID:
0554682330000

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	5 mm	Bore diameter
D	11 mm	Outside diameter
B	5 mm	Width
C _r	716 N	Basic dynamic load rating, radial
C _{0r}	283 N	Basic static load rating, radial
C _{ur}	7,5 N	Fatigue load limit, radial
n _G	71.000 1/min	Limiting speed
≈m	0,002 kg	Weight



Mounting dimensions

$d_{a\ min}$	5,8 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	10,2 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	9,9 mm	Caliber diameter outer ring
d_2	6,2 mm	Caliber diameter inner ring

Temperature range

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

Calculation factors

f_0	7,1	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