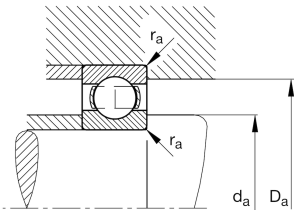
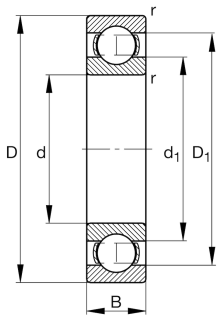


**FAG****61808-HLC**

Deep groove ball bearing

Deep groove ball bearing 618, single row,
steel sheet metal cageSchaeffler ID:
0554578860000

Technical information



Your current product variant

Logistical code	HLC	-
Sealing	Without	Not sealed
Cage	J	Steel sheet metal
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Without	Bearing not greased
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	52 mm	Outside diameter
B	7 mm	Width
C _r	4.930 N	Basic dynamic load rating, radial
C _{0r}	4.180 N	Basic static load rating, radial
C _{ur}	196 N	Fatigue load limit, radial
n _G	19.300 1/min	Limiting speed
n _{gr}	8.600 1/min	Reference speed
m	35 g	Weight



Mounting dimensions

$d_{a\min}$	42 mm	Minimum diameter shaft shoulder
$D_{a\max}$	50 mm	Maximum diameter of housing shoulder
$r_{a\max}$	0,3 mm	Maximum fillet radius

Dimensions

$r_{\min}$	0,3 mm	Minimum chamfer dimension
D_1	48,1 mm	Shoulder diameter outer ring
d_1	43,21 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	14,6	Calculation factor
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Characteristics

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