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SCHAEFFLER



FAG

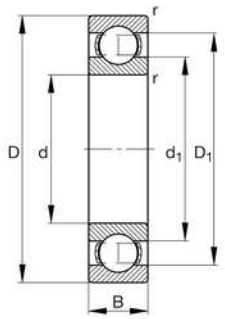
61805-HLC

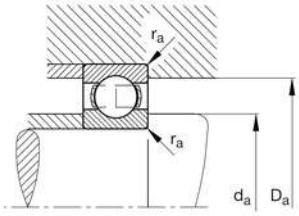
Deep groove ball bearing

Deep groove ball bearing 618, single row, steel sheet metal cage

Schaeffler ID:
0554553600000

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	25 mm	Bore diameter
D	37 mm	Outside diameter
B	7 mm	Width
C_r	4.300 N	Basic dynamic load rating, radial
C_{0r}	2.940 N	Basic static load rating, radial
C_{ur}	132 N	Fatigue load limit, radial
n_G	28.000 1/min	Limiting speed
$n_{\vartheta r}$	13.900 1/min	Reference speed
≈m	22 g	Weight

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product.For further information you can use the contact form on our website

Mounting dimensions

$d_{a\ min}$	27 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	35 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	33,2 mm	Shoulder diameter outer ring
d_1	28,2 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	13,9	Calculation factor

Characteristics



Radial load



Axial load in one direction



Axial load in two directions


Grease Lubrication


Oil Lubrication


Not sealed

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