

**FAG****61805-C3>N**

Deep groove ball bearing

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

Technical information



Your current product variant

Version code	>N	Not marked on bearing
Sealing	Without	Not sealed
Cage	JN	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	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	37 mm	Outside diameter
B	7 mm	Width
C_r	4.550 N	Basic dynamic load rating, radial
C_{0r}	2.950 N	Basic static load rating, radial
C_{ur}	182 N	Fatigue load limit, radial
n_G	28.000 1/min	Limiting speed
n_{gr}	13.400 1/min	Reference speed
m	0,019 kg	Weight



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	33,4 mm	Shoulder diameter outer ring
D_2	34,4 mm	Caliber diameter outer ring
d_1	28,6 mm	Shoulder diameter inner ring
d_2	27,9 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	16,1	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