Technical datasheet

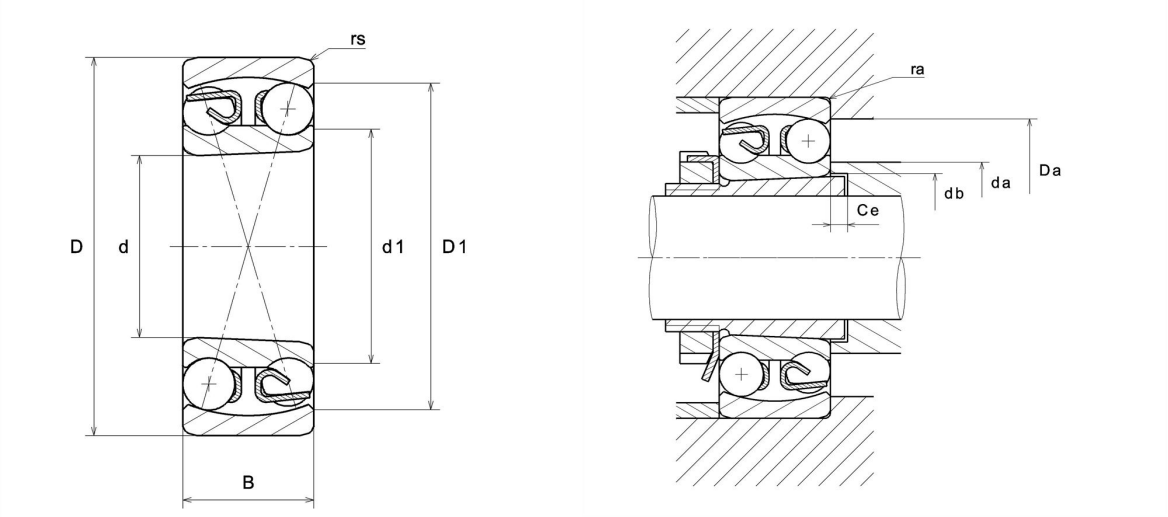
1309KC3

Double row self aligning ball bearings



Self-aligning ball bearing, pressed steel cage, tapered bore, open

Visual(s)



Product definition

d	45 mm
D	100 mm
B	25 mm
d1	63.9 mm
D1	83.1 mm
rs min	1.5 mm
Associated sleeve reference	H309
e	0.25
Y1	2.53
Y2	3.92
Y0	2.66
Radial clearance class	C3
Precision class	P0
Mass	0.94 kg
Brand	SNR

Product performance

Dynamic load, C	37.4 kN
Static load, C0	12.7 kN
Nref	6,800 rpm
Nlim	9,200 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.59 Hz
Characteristic outer ring frequency, BPF0	6.22 Hz
Characteristic inner ring frequency, BPFI	8.78 Hz

Abutment dimensions

da min	53 mm
da max	62 mm
db min	50 mm
Ce min	5 mm
Da max	92 mm
ra max	1.5 mm