Technical datasheet

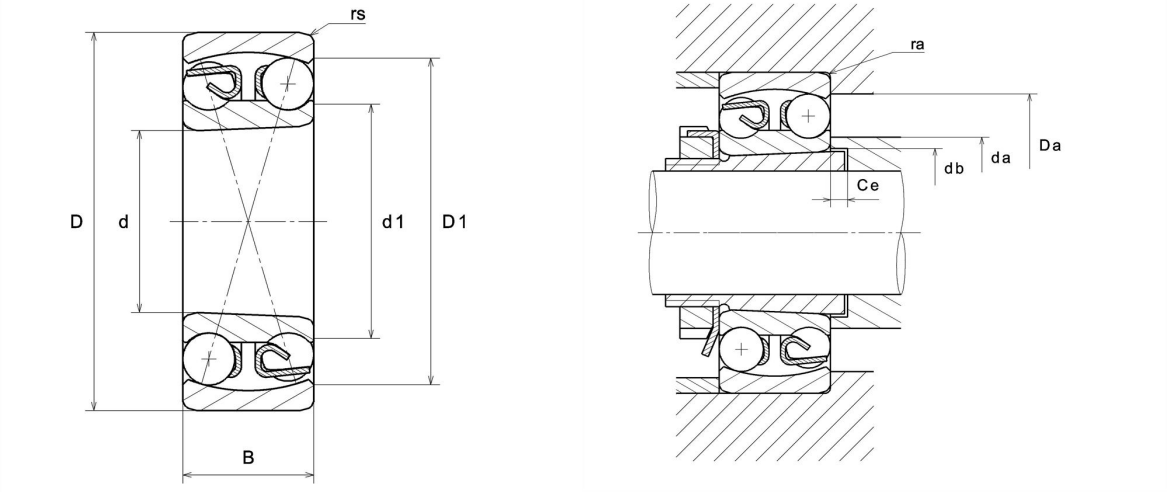
2209KC3

Double row self aligning ball bearings



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

Visual(s)



Product definition

d	45 mm
D	85 mm
B	23 mm
d1	57.7 mm
D1	71.8 mm
rs min	1.1 mm
Associated sleeve reference	H309
e	0.31
Y1	2.06
Y2	3.19
Y0	2.16
Radial clearance class	C3
Precision class	P0
Mass	0.55 kg
Brand	SNR

Product performance

Dynamic load, C	23 kN
Static load, C0	8.2 kN
Nref	8,100 rpm
Nlim	10,000 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.63 Hz
Characteristic outer ring frequency, BPF0	7.7 Hz
Characteristic inner ring frequency, BPFI	10.3 Hz

Abutment dimensions

da min	51.5 mm
da max	56 mm
db min	50 mm
Ce min	8 mm
Da max	78.5 mm
ra max	1 mm