Technical data

6022.C3

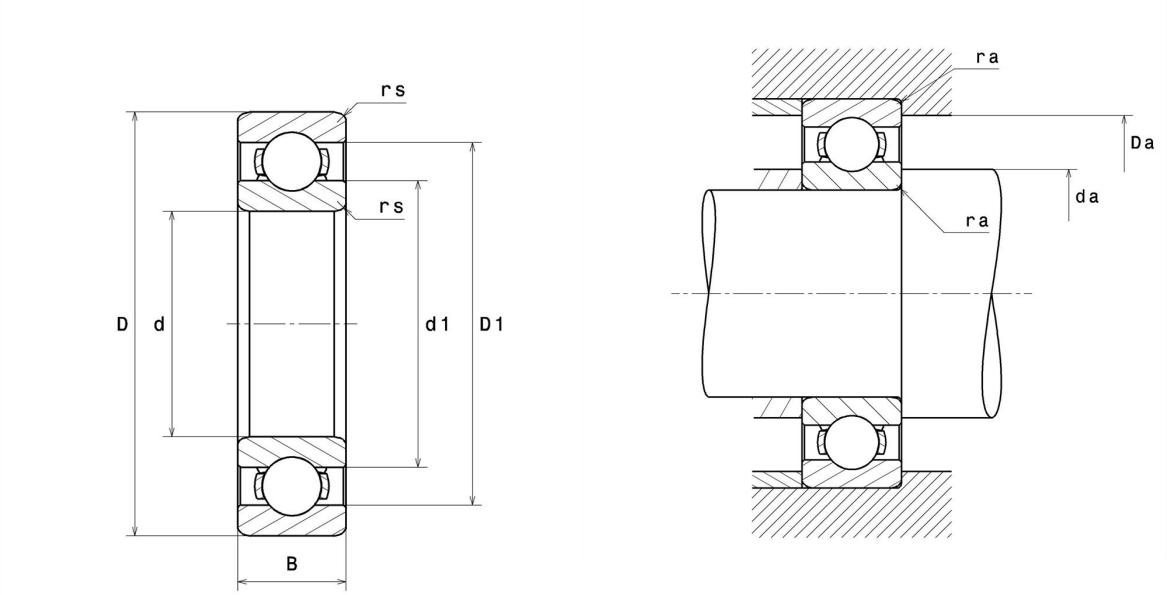
Single row deep groove ball bearings



Deep groove ball bearing, radial contact, pressed steel cage, open

ULTAGE

Visual(s)



Product definition

d	110 mm
D	170 mm
B	28 mm
d1	123.7 mm
D1	157.3 mm
a min	1 mm
rs min	2 mm
rNs min	2 mm
Snap ring reference	0
Radial clearance class	C3
Mass	1.49 kg
Brand	SNR

Product performance

Dynamic load, C	2.8 kN
Static load, C0	73 kN
Fatigue limit load, Cu	2.8 kN
f0	15.7
Nref	4,800 Tr/min
Nlim	6,300 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.54 Hz
Characteristic outer ring frequency, BPF0	6.09 Hz
Characteristic inner ring frequency, BPFI	7.91 Hz

Abutment dimensions

da min	119 mm
db min	6,300 mm
Ce min	0 mm
Da max	161 mm
ra max	2 mm
Db min	119 mm

Calculation factors

Equivalent dynamic radial load

P = X.Fr + Y.Fa

$\frac{f_0 F_a}{C_0}$	e	Fa / Fr ≤ e		Fa / Fr > e	
		X	Y	X	Y
0.172	0.19	1	0	0.56	2.3
0.345	0.22				1.99
0.689	0.26				1.71
1.03	0.28				1.55
1.38	0.3				1.45
2.07	0.34				1.31
3.45	0.38				1.15
5.17	0.42				1.04
6.89	0.44				1

Equivalent static radial load

Po = Xo.Fr + Yo.Fa

X_0	Y_0
0.6	0.5

For single or DT bearing arrangement :

If Po <Fr, then use Po = Fr