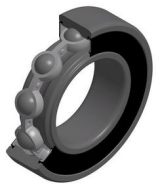
Technical data

6020.EEC3

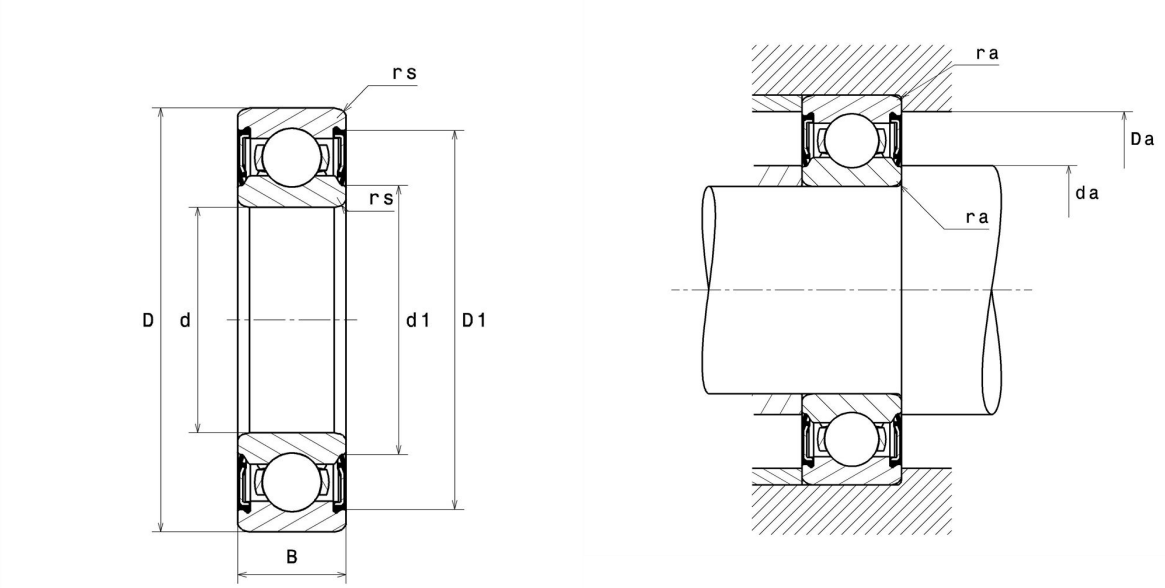
Single row deep groove ball bearings



Deep groove ball bearing, radial contact, pressed steel cage, contact seals on both sides

ULTAGE

Visual(s)



Product definition

d	100 mm
D	150 mm
B	24 mm
d1	110.5 mm
D1	139.1 mm
a min	1 mm
rs min	1.5 mm
rNs min	1.5 mm
Snap ring reference	0
Associated sleeve reference	0017.1
Radial clearance class	C3
Mass	1.26 kg
Brand	SNR

Product performance

Dynamic load, C	2.2 kN
Static load, C0	54.2 kN
Fatigue limit load, Cu	2.2 kN
f0	15.9
Nref	16 Tr/min
Nlim	2,600 Tr/min
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	8.17 Hz
Characteristic outer ring frequency, BPF0	6.6 Hz
Characteristic inner ring frequency, BPFI	8.4 Hz

Abutment dimensions

da min	108 mm
da max	110.5 mm
db min	2,600 mm
Ce min	0 mm
Da max	142 mm
ra max	1.5 mm
rNa max	110.5 mm
Db min	108 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