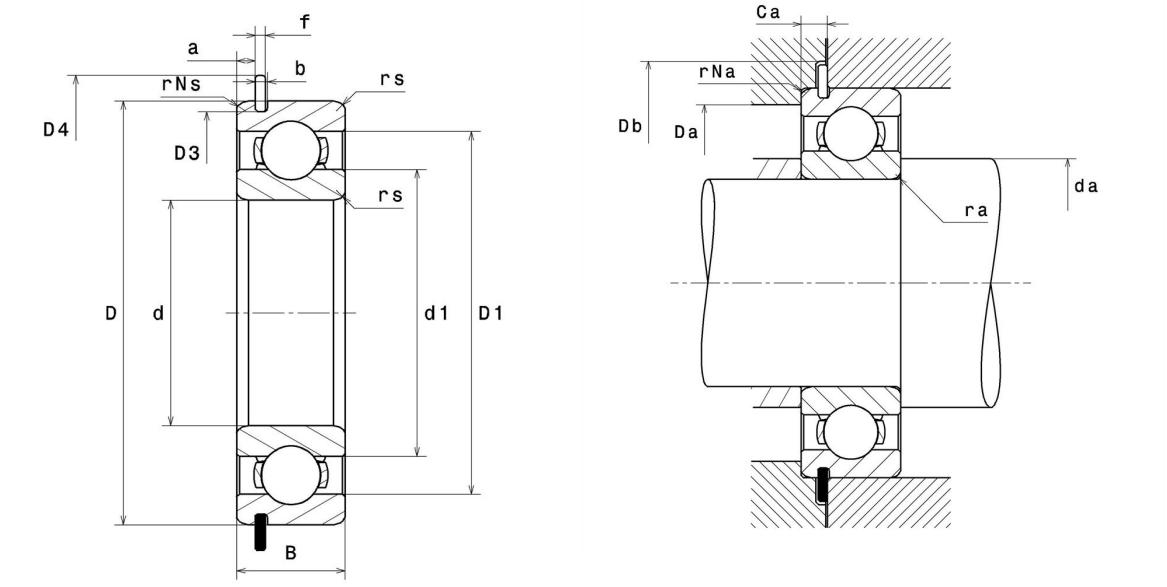
Technical data

6026NR

Single row deep groove ball bearings

Deep groove ball bearing, radial contact, pressed steel cage, snap ring & groove on outer diameter, open

Visual(s)



Product definition

d	130 mm
D	200 mm
B	33 mm
a min	5.44 mm
a max	5.69 mm
Ca min	8.54 mm
Ca max	8.79 mm
rs min	2 mm
rNs min	0.5 mm
D3 max	193.65 mm
b min	3.5 mm
b max	3.8 mm
r0 max	0.6 mm
D4 max	212.9 mm
f	3.1 mm
Snap ring reference	R200
Radial clearance class	CN
Mass	3.16 kg
Brand	NTN

Product performance

Dynamic load, C	106 kN
Static load, C0	101 kN
Fatigue limit load, Cu	3.55 kN
f0	15.8
Nlim (oil)	3,800 Tr/min
Nlim (grease)	3,200 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	7.87 Hz
Characteristic outer ring frequency, BPF0	6.56 Hz
Characteristic inner ring frequency, BPFI	8.44 Hz

Abutment dimensions

da min	139 mm
Da max	191 mm
ra max	2 mm
rNa max	0.5 mm
Db min	215 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