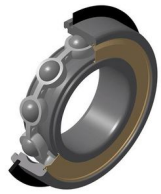
Technical data

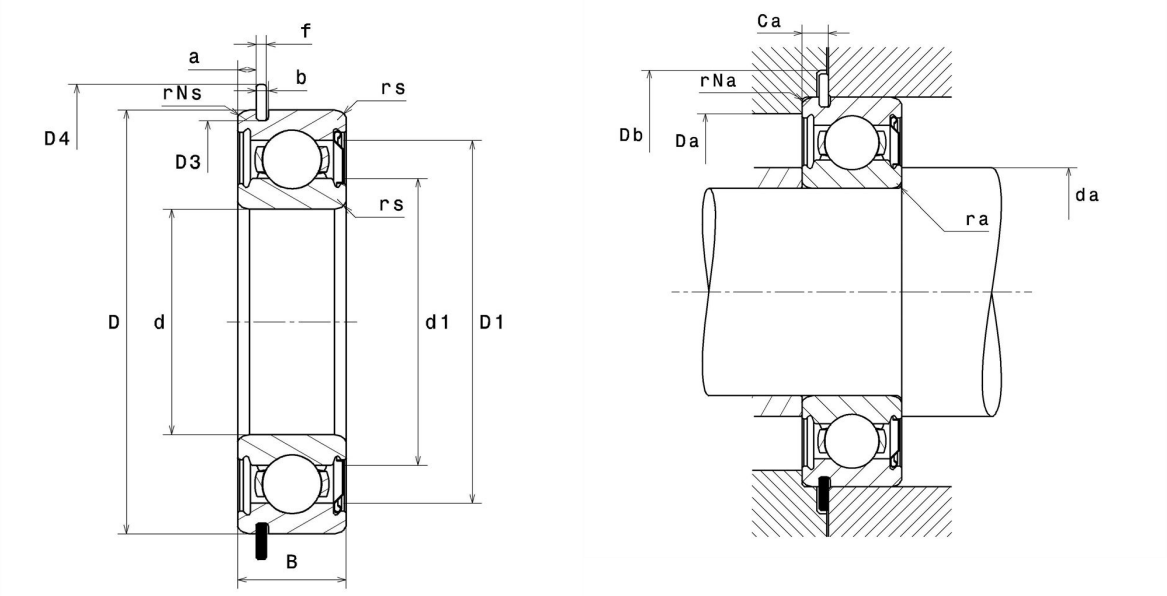
6312ZNR

Single row deep groove ball bearings



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

Visual(s)



Product definition

d	60 mm
D	130 mm
B	31 mm
a min	3.86 mm
a max	4.06 mm
Ca min	6.68 mm
Ca max	6.88 mm
rs min	2.1 mm
rNs min	0.5 mm
D3 max	125.22 mm
b min	3.1 mm
b max	3.4 mm
r0 max	0.6 mm
D4 max	139.7 mm
f	2.82 mm
Snap ring reference	R130
Radial clearance class	CN
Mass	1.73 kg
Brand	NTN

Product performance

Dynamic load, C	82 kN
Static load, C0	52 kN
Fatigue limit load, Cu	2.36 kN
f0	13.2
Nlim (oil)	6,300 Tr/min
Nlim (grease)	5,400 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.38 Hz
Characteristic rolling element frequency, BSF	4.09 Hz
Characteristic outer ring frequency, BPF0	3.07 Hz
Characteristic inner ring frequency, BPFI	4.93 Hz

Abutment dimensions

da min	71 mm
Da max	119 mm
ra max	2 mm
rNa max	0.5 mm
Db min	141.5 mm