Technical data

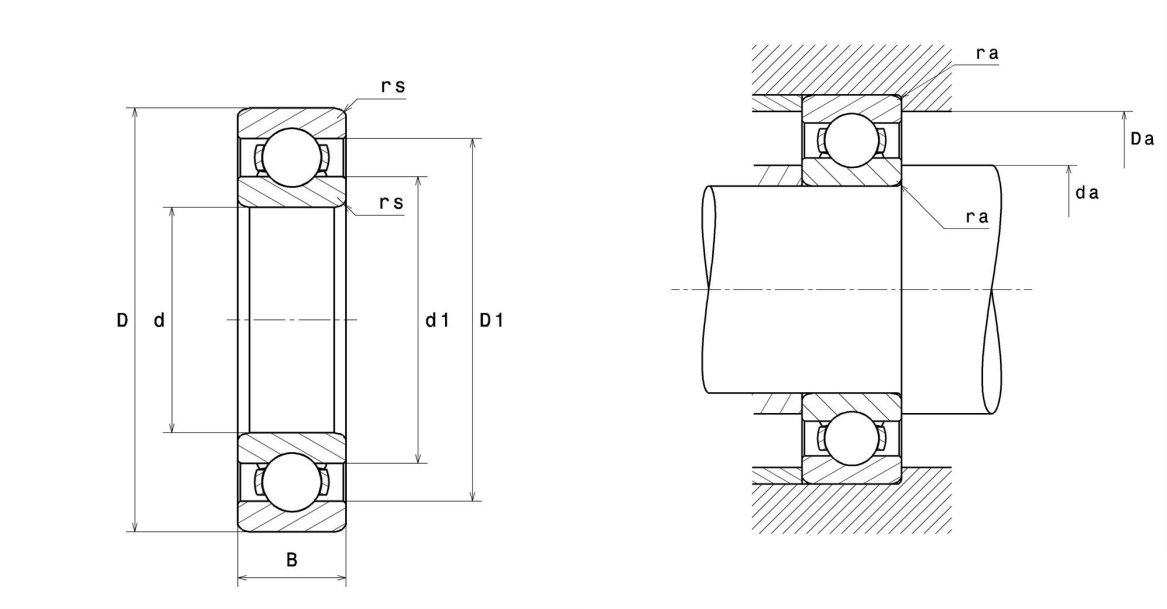
6232

Single row deep groove ball bearings



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

Visual(s)



Product definition

d	160 mm
D	290 mm
B	48 mm
rs min	3 mm
Radial clearance class	CN
Mass	11.7 kg
Brand	NTN

Product performance

Dynamic load, C	185 kN
Static load, C0	186 kN
Fatigue limit load, Cu	5.6 kN
f0	15.4
Nlim (oil)	2,500 Tr/min
Nlim (grease)	2,100 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.95 Hz
Characteristic outer ring frequency, BPF0	5.15 Hz
Characteristic inner ring frequency, BPFI	6.85 Hz

Abutment dimensions

da min	173 mm
Da max	277 mm
ra max	2.5 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