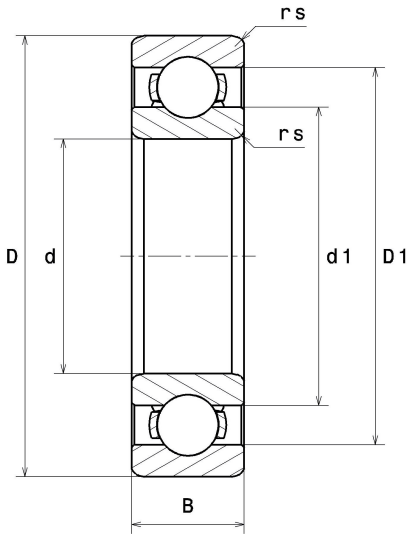
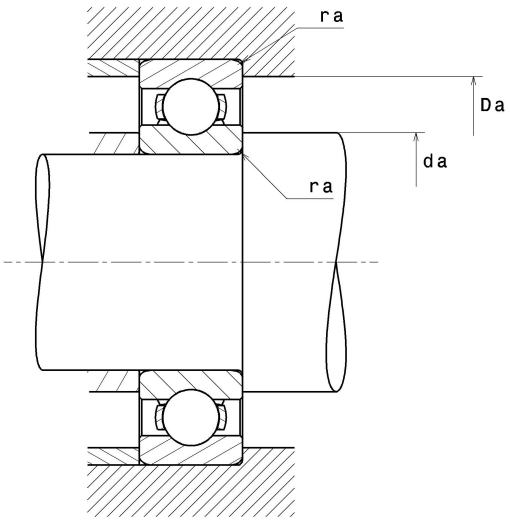
PDF technical sheet
6328

Single row deep groove ball bearings
Deep groove ball bearing, radial contact, pressed steel cage, open

Product definition	
d	5.5118 "
D	11.8110 "
B	2.4409 "
rs min	0.1575 "
Radial clearance class	CN
Mass	65.26 oz
Brand	NTN



Product performance	
Dynamic load, C	253 kN
Static load, C0	246 kN
Fatigue limit load, Cu	7.50 kN
f0	13.6
Nlim (oil)	2,600 RPM
Nlim (grease)	2,200 RPM
Min operating temperature, Tmin	−4 °C
Max operating temperature, Tmax	248 °C
Characteristic cage frequency, FTF	0.39 Hz
Characteristic rolling element frequency, BSF	4.40 Hz
Characteristic outer ring frequency, BPF0	3.13 Hz
Characteristic inner ring frequency, BPFI	4.87 Hz



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Code APE 2815 Z – Code NACE 28.15

Abutment dimensions	
da min	6.1417 "
Da max	11.1811 "
ra max	0.1181 "

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