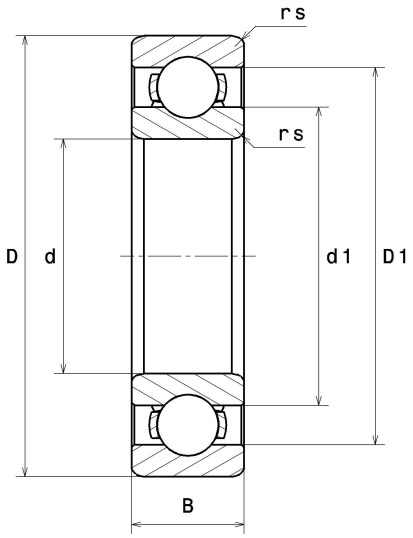
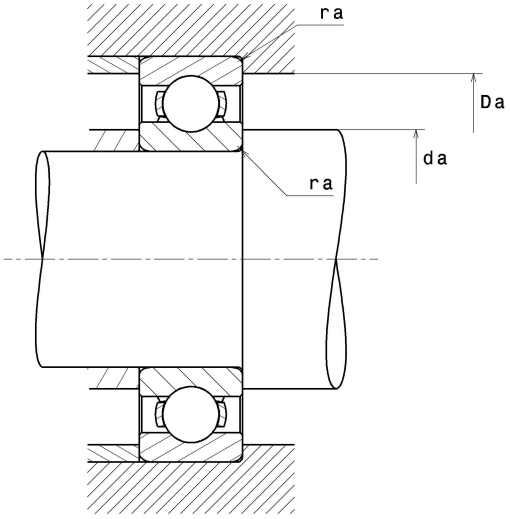
PDF technical sheet
6220C4

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

Product definition	
d	3.9370 "
D	7.0866 "
B	1.3386 "
rs min	0.0827 "
Radial clearance class	C4
Mass	11.08 oz
Brand	NTN



Product performance	
Dynamic load, C	122 kN
Static load, C0	93 kN
Fatigue limit load, Cu	4.25 kN
f0	14.4
Nlim (oil)	4,200 RPM
Nlim (grease)	3,500 RPM
Min operating temperature, Tmin	−76 °C



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Code APE 2815 Z – Code NACE 28.15

Abutment dimensions	
da min	4.3701 "
Da max	6.6535 "
ra max	0.0787 "

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