



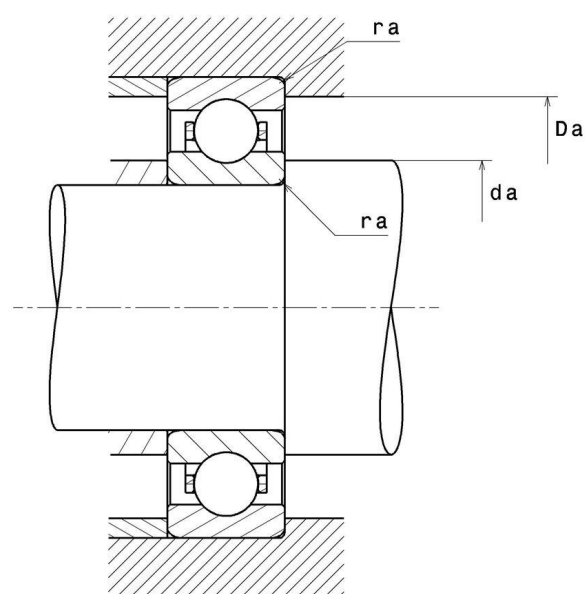
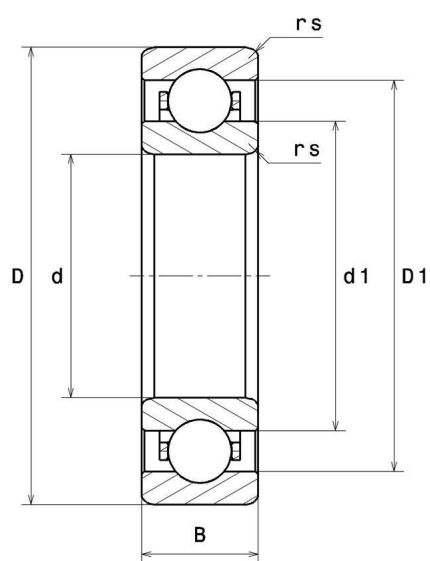
Technical data

6313L1C3

Single row deep groove ball bearings

Deep groove ball bearing, radial contact, machined cage, open

VISUAL (S)



6313L1C3

Single row deep groove ball bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	65 mm
D - External diameter	140 mm
B - Bearing/Inner ring width	33 mm
rs - Min fillet radius	2,1 mm
Radial clearance class	C3
Mass	2,08 kg

PRODUCT PERFORMANCE

C - Dynamic load	103000000 mN
C0 - Static load	60000000 mN
Cu - Fatigue limit load	2700000 mN
f0 - Coefficient	13.2
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	76 mm
Da max - Max shoulder diameter OR	129 mm
ra max - Max shaft & housing fillet radius	2 mm



NTN Europe

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 S.A. au capital de 322 639 919 € · RCS ANNECY B 325 821 072 · Id. Fiscale : FR 48 325 821 072
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INDUSTRY CALCUL 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

$$Po = X_0.Fr + Y_0.Fa$$

X ₀	Y ₀
0.6	0.5

For single or DT bearing arrangement :

If Po ≤Fr, then use Po = Fr