

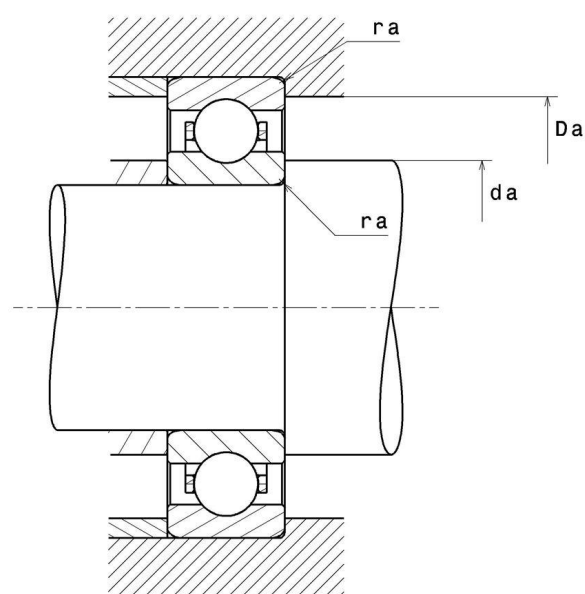
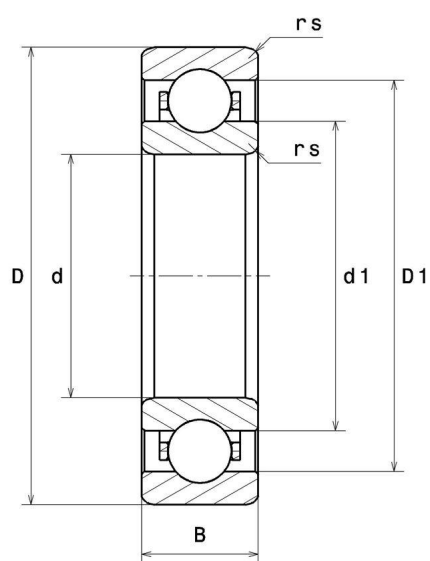
Technical data

6236L1C3

Single row deep groove ball bearings

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

VISUAL (S)



6236L1C3

Single row deep groove ball bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	180 mm
D - External diameter	320 mm
B - Bearing/Inner ring width	52 mm
rs - Min fillet radius	4 mm
Radial clearance class	C3
Mass	15,1 kg

PRODUCT PERFORMANCE

C - Dynamic load	252000000 mN
C0 - Static load	241000000 mN
Cu - Fatigue limit load	6900000 mN
f0 - Coefficient	15.1
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	196 mm
Da max - Max shoulder diameter OR	304 mm
ra max - Max shaft & housing fillet radius	3 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

$P = X.F_r + Y.F_a$

$\frac{f_0 F_a}{C_0}$	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

$P_0 = X_0.F_r + Y_0.F_a$

X ₀	Y ₀
0.6	0.5

For single or DT bearing arrangement :

If P₀ <F_r, then use P₀ = F_r