



Technical data

6020C3

Single row deep groove ball bearings

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

VISUAL (S)



6020C3

Single row deep groove ball bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	100 mm
D - External diameter	150 mm
B - Bearing/Inner ring width	24 mm
rs - Min fillet radius	1,5 mm
Radial clearance class	C3
Mass	1,15 kg

PRODUCT PERFORMANCE

C - Dynamic load	66500000 mN
C0 - Static load	54000000 mN
Cu - Fatigue limit load	3500000 mN
f0 - Coefficient	15.9
N lim - Oil lubrication limit speed	30000 °/s
N lim - Grease lubrication limit speed	25200 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	108 mm
Da max - Max shoulder diameter OR	142 mm
ra max - Max shaft & housing fillet radius	1,5 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

$P_0 = X_0.Fr + Y_0.Fa$

X ₀	Y ₀
0.6	0.5

For single or DT bearing arrangement :

If P₀ <Fr, then use P₀ = Fr