

Technical data

6330C3

Single row deep groove ball bearings



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

VISUAL (S)



6330C3

Single row deep groove ball bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	150 mm
D - External diameter	320 mm
B - Bearing/Inner ring width	65 mm
rs - Min fillet radius	4 mm
Radial clearance class	C3
Mass	22 kg

PRODUCT PERFORMANCE

C - Dynamic load	305000000 mN
C0 - Static load	284000000 mN
Cu - Fatigue limit load	14500000 mN
f0 - Coefficient	13.9
N lim - Oil lubrication limit speed	14400 °/s
N lim - Grease lubrication limit speed	12600 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	166 mm
Da max - Max shoulder diameter OR	304 mm
ra max - Max shaft & housing fillet radius	3 mm



NTN Europe

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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