



Technical data

6214CM

Single row deep groove ball bearings

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

VISUAL (S)



6214CM

Single row deep groove ball bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	70 mm
D - External diameter	125 mm
B - Bearing/Inner ring width	24 mm
rs - Min fillet radius	1,5 mm
Radial clearance class	CM
Mass	1,07 kg

PRODUCT PERFORMANCE

C - Dynamic load	69000000 mN
C0 - Static load	44000000 mN
Cu - Fatigue limit load	3450000 mN
f0 - Coefficient	14.5
N lim - Oil lubrication limit speed	36000 °/s
N lim - Grease lubrication limit speed	30600 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	78 mm
Da max - Max shoulder diameter OR	117 mm
ra max - Max shaft & housing fillet radius	1,5 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 $Po \leq Fr$, then use $Po = Fr$