

Technical data

6206CM

Single row deep groove ball bearings



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

VISUAL (S)



6206CM

Single row deep groove ball bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	30 mm
D - External diameter	62 mm
B - Bearing/Inner ring width	16 mm
rs - Min fillet radius	1 mm
Radial clearance class	CM
Mass	0,199 kg

PRODUCT PERFORMANCE

C - Dynamic load	21600000 mN
C0 - Static load	11300000 mN
Cu - Fatigue limit load	795000 mN
f0 - Coefficient	13.8
N lim - Oil lubrication limit speed	78000 °/s
N lim - Grease lubrication limit speed	66000 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	35 mm
Da max - Max shoulder diameter OR	57 mm
ra max - Max shaft & housing fillet radius	1 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 $P_0 < F_r$, then use $P_0 = F_r$



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