

Technical data

6215CM

Single row deep groove ball bearings



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

VISUAL (S)



6215CM

Single row deep groove ball bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	75 mm
D - External diameter	130 mm
B - Bearing/Inner ring width	25 mm
rs - Min fillet radius	1,5 mm
Radial clearance class	CM
Mass	1,18 kg

PRODUCT PERFORMANCE

C - Dynamic load	73500000 mN
C0 - Static load	49500000 mN
Cu - Fatigue limit load	3800000 mN
f0 - Coefficient	14.7
N lim - Oil lubrication limit speed	33600 °/s
N lim - Grease lubrication limit speed	28800 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	83 mm
Da max - Max shoulder diameter OR	122 mm
ra max - Max shaft & housing fillet radius	1,5 mm



NTN Europe

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INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = X.F_r + Y.F_a$$

$\frac{f_0 F_a}{C_0}$	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 $P_0 = F_r$

