



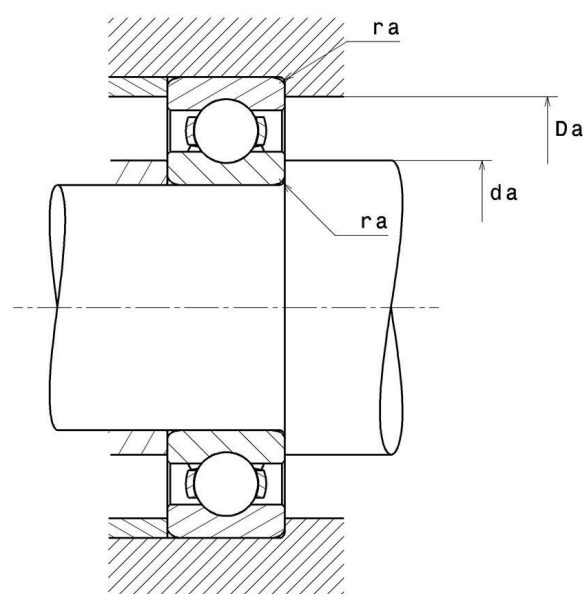
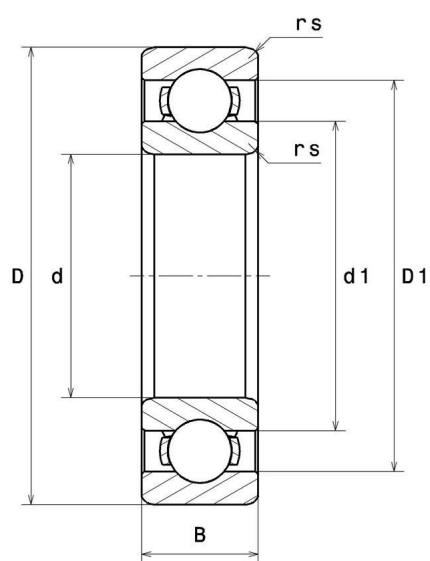
Technical data

16001JRX

Single row deep groove ball bearings

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

VISUAL (S)



16001JRX

Single row deep groove ball bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	12 mm
D - External diameter	28 mm
B - Bearing/Inner ring width	7 mm
rs - Min fillet radius	0,3 mm
Radial clearance class	CN
Mass	0,019 kg

PRODUCT PERFORMANCE

C - Dynamic load	5650000 mN
C0 - Static load	2390000 mN
Cu - Fatigue limit load	187000 mN
f0 - Coefficient	13.2
N lim - Oil lubrication limit speed	180000 °/s
N lim - Grease lubrication limit speed	156000 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	14 mm
Da max - Max shoulder diameter OR	26 mm
ra max - Max shaft & housing fillet radius	0,3 mm



NTN Europe

1 rue des Usines · BP 2017 · 74010 Annecy Cedex · France · Tel. +33 (0)4 50 65 30 00
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

$$Po = X_0.Fr + Y_0.Fa$$

X ₀	Y ₀
0.6	0.5

For single or DT bearing arrangement :

If Po ≤Fr, then use Po = Fr