

Technical data

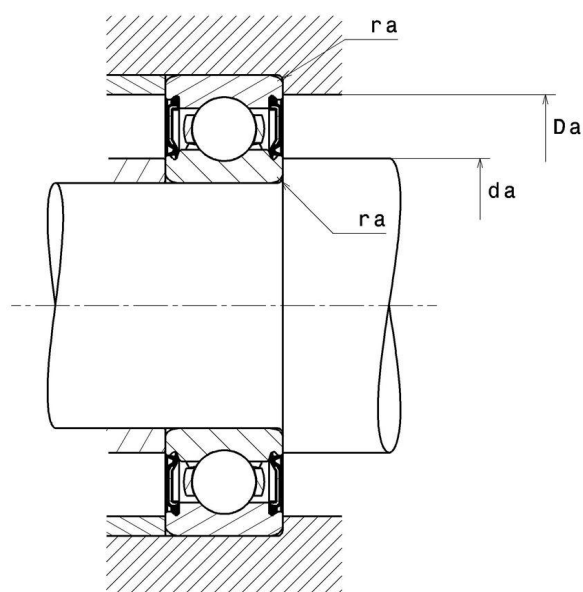
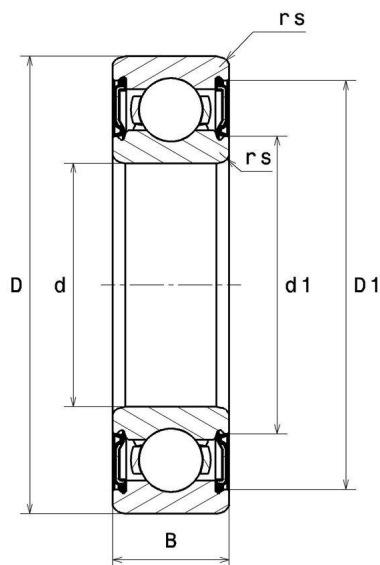
6004LLU/LP03

Single row deep groove ball bearings



Deep groove ball bearing, radial contact, pressed steel cage, contact seals on both sides

VISUAL (S)



6004LLU/LP03

Single row deep groove ball bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	20 mm
D - External diameter	42 mm
B - Bearing/Inner ring width	12 mm
rs - Min fillet radius	0,6 mm
Radial clearance class	CN
Mass	0,069 kg

PRODUCT PERFORMANCE

C - Dynamic load	10,4 kN
C0 - Static load	5,05 kN
Cu - Fatigue limit load	0,355 kN
f0 - Coefficient	13.9
N lim - Grease lubrication limit speed	10000 tr/min
Tmin - Min operating temperature	-20 °C
Tmax - Max operating temperature	60 °C

ABUTMENT

da min - Min shoulder diameter IR	24 mm
da max - Max shoulder diameter IR	26 mm
Da max - Max shoulder diameter OR	38 mm
ra max - Max shaft & housing fillet radius	0,6 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
SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

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