

Technical data

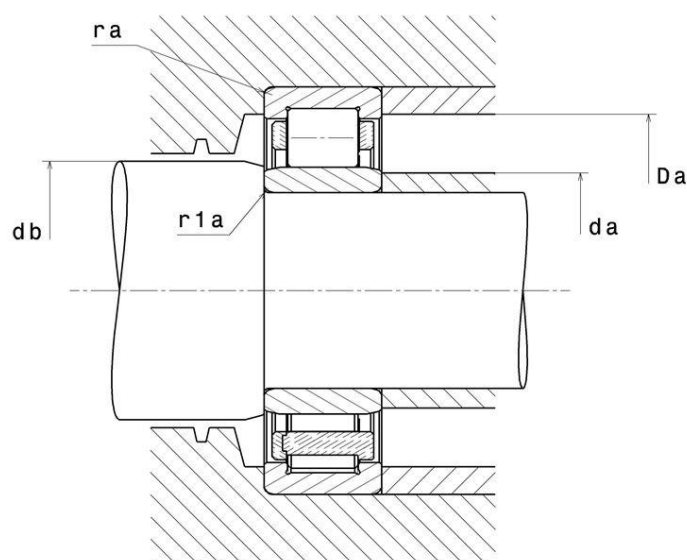
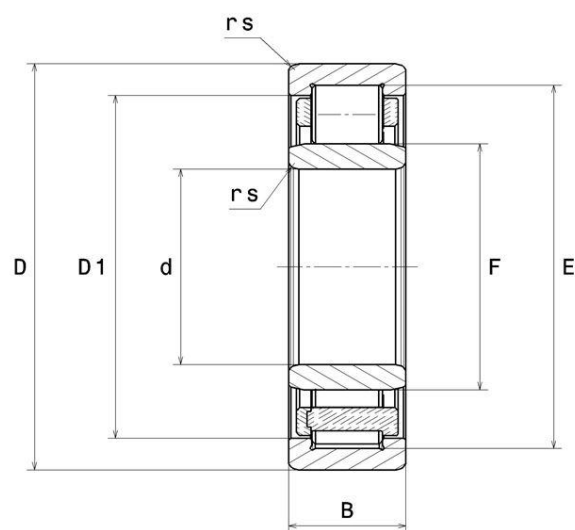
NU309EG1C3

Single row cylindrical roller bearings



Single row cylindrical roller bearing, floating, separable, brass cage

VISUAL (S)



NU309EG1C3

Single row cylindrical roller bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	45 mm
D - External diameter	100 mm
B - Bearing/Inner ring width	25 mm
E - Upper roller diameter	88,5 mm
F - Under roller diameter	58,5 mm
rs - Min fillet radius	1,5 mm
r1s - Min fillet radius	1,5 mm
Radial clearance class	C3
Mass	0,93 kg

PRODUCT PERFORMANCE

C - Dynamic load	97500000 mN
C0 - Static load	98500000 mN
Cu - Fatigue limit load	12000000 mN
N lim - Oil lubrication limit speed	45600 °/s
N lim - Grease lubrication limit speed	39000 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	53 mm
da max - Small face shoulder max diameter	57 mm
db min - Min inner ring GO diameter	60 mm
Da max - Max shoulder diameter OR	92 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
 SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

NU309EG1C3

Single row cylindrical roller bearings

ABUTMENT

ra max - Max fillet radius	1,5 mm
r1a - Max fillet radius	1,5 mm

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$



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
SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15