



Technical data

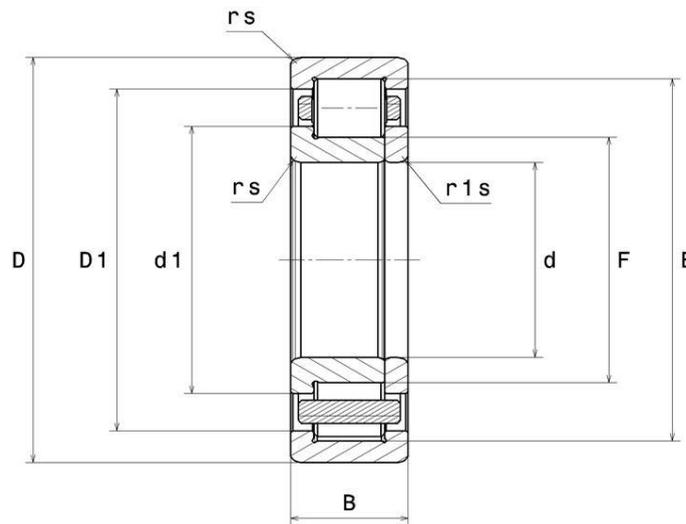
NUP310EAT2XU

Single row cylindrical roller bearings

Single row cylindrical roller bearing, locating, separable, polyamide cage

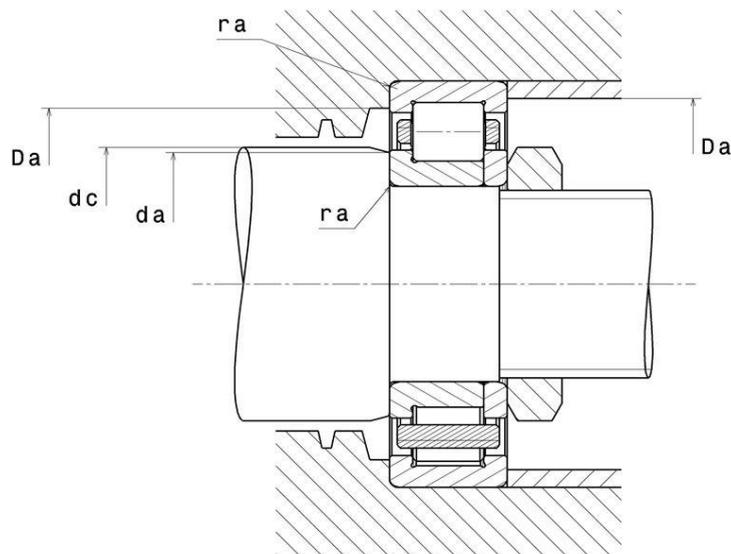
ULTAGE®

VISUAL (S)



NUP310EAT2XU

Single row cylindrical roller bearings



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	50 mm
D - External diameter	110 mm
B - Bearing/Inner ring width	27 mm
E - Upper roller diameter	97 mm
F - Under roller diameter	65 mm
d1 - IR flange outer diameter	71,4 mm
D1 - OR flange inner diameter	91 mm
rs - Min fillet radius	2 mm
r1s - Min fillet radius	2 mm
Radial clearance class	CN
Mass	1,19 kg

PRODUCT PERFORMANCE



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

NUP310EAT2XU

Single row cylindrical roller bearings

PRODUCT PERFORMANCE

C - Dynamic load	130000000 mN
C0 - Static load	113000000 mN
Cu - Fatigue limit load	13800000 mN
N lim - Oil lubrication limit speed	49800 °/s
N lim - Grease lubrication limit speed	35400 °/s
Tmin - Min operating temperature	253,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	59 mm
dc min - Min inner ring GO diameter	73 mm
Da max - Max shoulder diameter OR	101 mm
ra max - Max fillet radius	2 mm
r1a - Max fillet radius	2 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

NUP310EAT2XU

Single row cylindrical roller bearings

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