

Technical data

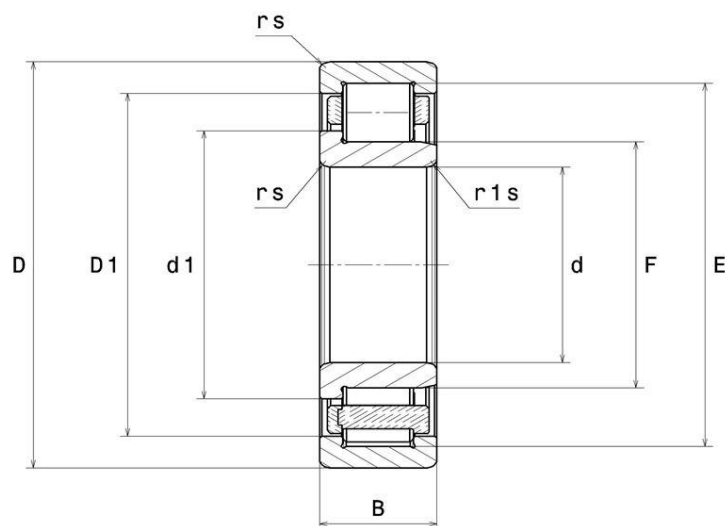
NJ311EAG1C3

Single row cylindrical roller bearings



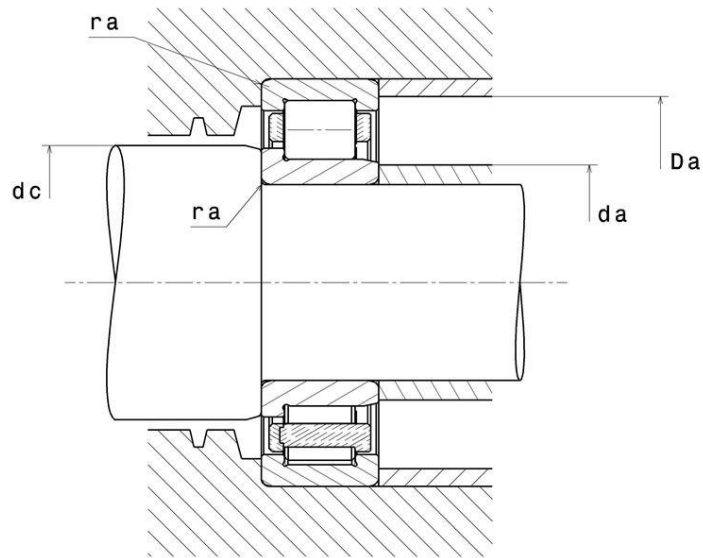
ULTAGE®

VISUAL (S)



NJ311EAG1C3

Single row cylindrical roller bearings



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	55 mm
D - External diameter	120 mm
B - Bearing/Inner ring width	29 mm
E - Upper roller diameter	106,5 mm
F - Under roller diameter	70,5 mm
rNs - Min fillet radius	2 mm
rs - Min fillet radius	2 mm
r1s - Min fillet radius	2 mm
Radial clearance class	C3
Mass	2,75 kg

PRODUCT PERFORMANCE

C - Dynamic load	162000000 mN
------------------	--------------



PRODUCT PERFORMANCE

C0 - Static load	143000000 mN
Cu - Fatigue limit load	17400000 mN
N lim - Oil lubrication limit speed	45600 °/s
N lim - Grease lubrication limit speed	31800 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	64 mm
da max - Small face shoulder max diameter	69 mm
dc min - Min inner ring GO diameter	72 mm
Da max - Max shoulder diameter OR	111 mm
Db min - Small face shoulder min diameter	108,5 mm
ra max - Max fillet radius	2 mm
r1a - Max fillet radius	2 mm



INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$Po = Fr$$



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