



Technical data

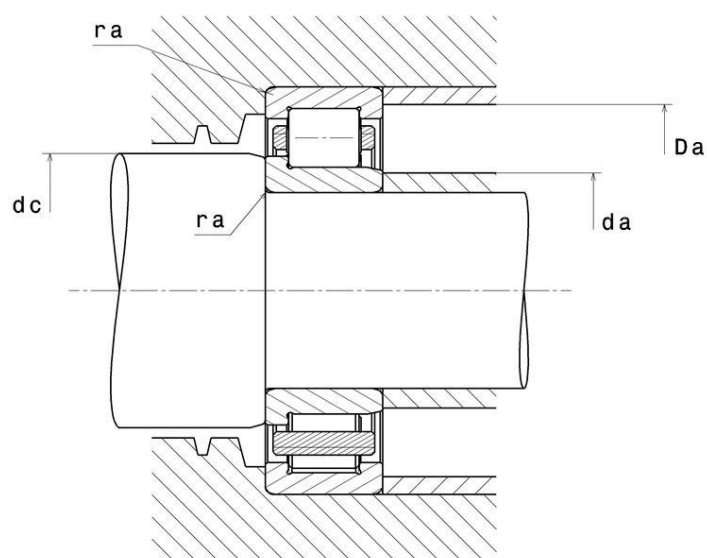
NJ314EAT2XC3

Single row cylindrical roller bearings

Single row cylindrical roller bearing, single direction for axial loads, separable, polyamide cage.

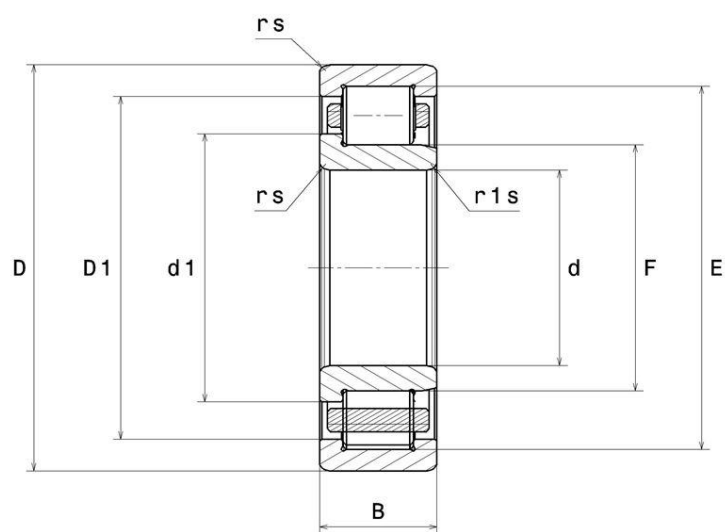
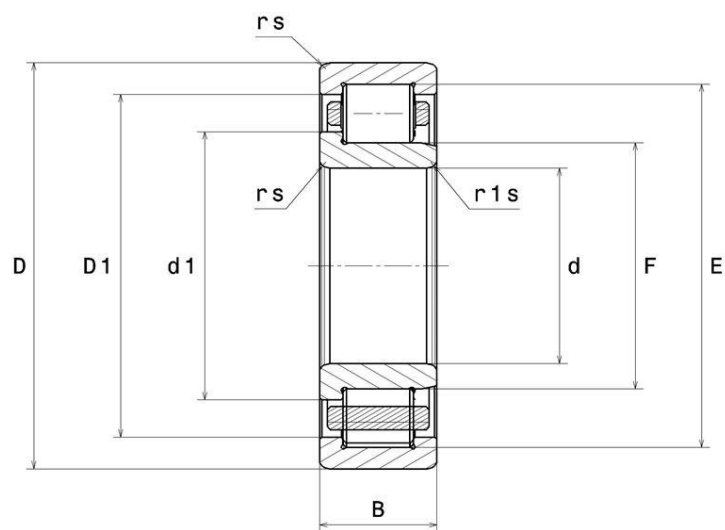
ULTAGE®

VISUAL (S)



NJ314EAT2XC3

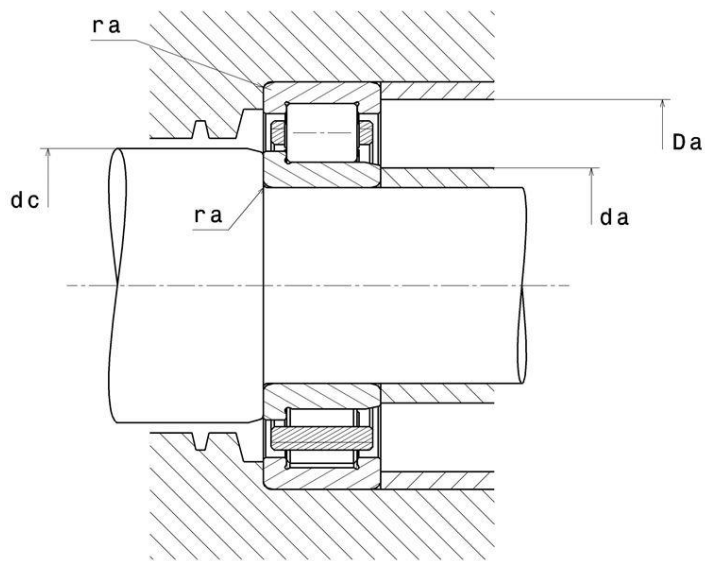
Single row cylindrical roller bearings



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

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Single row cylindrical roller bearings



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	70 mm
D - External diameter	150 mm
B - Bearing/Inner ring width	35 mm



PRODUCT DEFINITION

E - Upper roller diameter	133 mm
F - Under roller diameter	89 mm
d1 - IR flange outer diameter	98 mm
rNs - Min fillet radius	2,1 mm
rs - Min fillet radius	2,1 mm
Radial clearance class	C3

PRODUCT PERFORMANCE

C - Dynamic load	242000000 mN
C0 - Static load	222000000 mN
Cu - Fatigue limit load	26200000 mN
N lim - Oil lubrication limit speed	36000 °/s
N lim - Grease lubrication limit speed	25200 °/s
Tmin - Min operating temperature	253,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	81 mm
dc min - Min inner ring GO diameter	92 mm
Da max - Max shoulder diameter OR	139 mm
Db min - Small face shoulder min diameter	136 mm
ra max - Max fillet radius	2 mm
r1a - Max fillet radius	2 mm



INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$



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