



Technical data

NU314C3

Single row cylindrical roller bearings

Single row cylindrical roller bearing, floating, separable, pressed steel cage

VISUAL (S)



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	70 mm
D - External diameter	150 mm
B - Bearing/Inner ring width	35 mm
E - Upper roller diameter	130 mm
F - Under roller diameter	90 mm
rs - Min fillet radius	2,1 mm
r1s - Min fillet radius	2,1 mm
Radial clearance class	C3
Mass	2,71 kg

PRODUCT PERFORMANCE

C - Dynamic load	175000000 mN
C0 - Static load	168000000 mN
Cu - Fatigue limit load	20000000 mN
N lim - Oil lubrication limit speed	33000 °/s
N lim - Grease lubrication limit speed	28200 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	81 mm
da max - Small face shoulder max diameter	87 mm
db min - Min inner ring GO diameter	92 mm
Da max - Max shoulder diameter OR	139 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

NU314C3

Single row cylindrical roller bearings

ABUTMENT

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

$$P_0 = Fr$$



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