



Technical data

NJ309C3

Single row cylindrical roller bearings

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

VISUAL (S)



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	86,5 mm
F - Under roller diameter	58,5 mm
d1 - IR flange outer diameter	64 mm
rs - Min fillet radius	1,5 mm
r1s - Min fillet radius	1,5 mm
Radial clearance class	C3
Mass	0,879 kg

PRODUCT PERFORMANCE

C - Dynamic load	82000000 mN
C0 - Static load	71000000 mN
Cu - Fatigue limit load	8650000 mN
N lim - Oil lubrication limit speed	50400 °/s
N lim - Grease lubrication limit speed	43200 °/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
dc min - Min inner ring GO diameter	66 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

ABUTMENT

Da max - Max shoulder diameter OR	92 mm
ra max - 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