



Technical data

NJ316C3

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	80 mm
D - External diameter	170 mm
B - Bearing/Inner ring width	39 mm
E - Upper roller diameter	147 mm
F - Under roller diameter	103 mm
d1 - IR flange outer diameter	111,8 mm
rs - Min fillet radius	2,1 mm
r1s - Min fillet radius	2,1 mm
Radial clearance class	C3
Mass	3,98 kg

PRODUCT PERFORMANCE

C - Dynamic load	211000000 mN
C0 - Static load	207000000 mN
Cu - Fatigue limit load	23700000 mN
N lim - Oil lubrication limit speed	28800 °/s
N lim - Grease lubrication limit speed	24600 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	91 mm
da max - Small face shoulder max diameter	99 mm
dc min - Min inner ring GO diameter	114 mm



ABUTMENT

Da max - Max shoulder diameter OR	159 mm
ra max - Max fillet radius	2 mm

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$



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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