



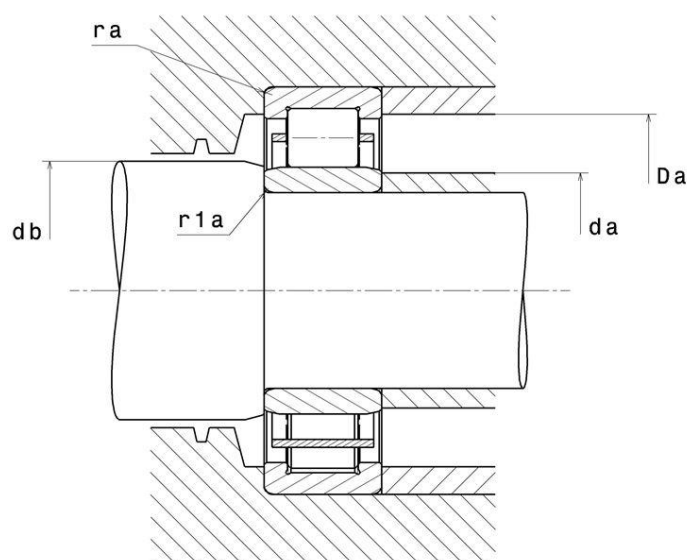
Technical data

NU309C3

Single row cylindrical roller bearings

Single row cylindrical roller bearing, floating, 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
rs - Min fillet radius	1,5 mm
r1s - Min fillet radius	1,5 mm
Radial clearance class	C3
Mass	0,877 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
db min - Min inner ring GO diameter	60 mm
Da max - Max shoulder diameter OR	92 mm



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ABUTMENT

ra max - Max fillet radius	1,5 mm
r1a - Max fillet radius	1,5 mm

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$



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