



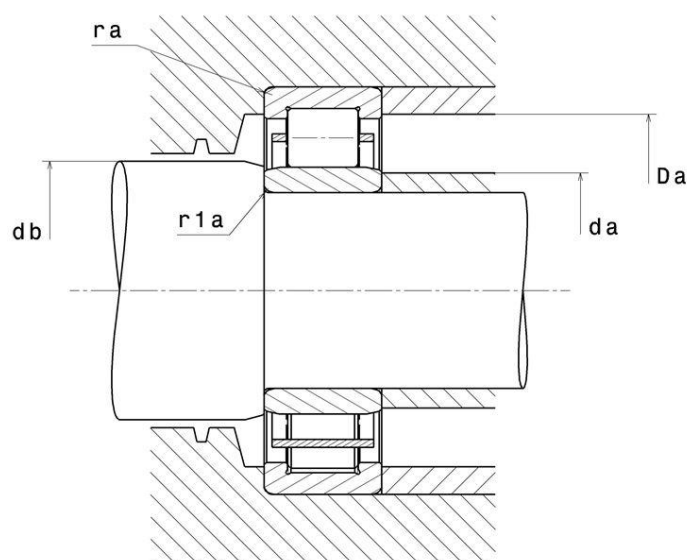
Technical data

NU319C3

Single row cylindrical roller bearings

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

VISUAL (S)



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	95 mm
D - External diameter	200 mm
B - Bearing/Inner ring width	45 mm
E - Upper roller diameter	173,5 mm
F - Under roller diameter	121,5 mm
rs - Min fillet radius	3 mm
r1s - Min fillet radius	3 mm
Radial clearance class	C3
Mass	6,13 kg

PRODUCT PERFORMANCE

C - Dynamic load	287000000 mN
C0 - Static load	285000000 mN
Cu - Fatigue limit load	31500000 mN
N lim - Oil lubrication limit speed	24000 °/s
N lim - Grease lubrication limit speed	20400 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	108 mm
da max - Small face shoulder max diameter	119 mm
db min - Min inner ring GO diameter	124 mm
Da max - Max shoulder diameter OR	187 mm



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ABUTMENT

ra max - Max fillet radius	2,5 mm
r1a - Max fillet radius	2,5 mm

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$



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