



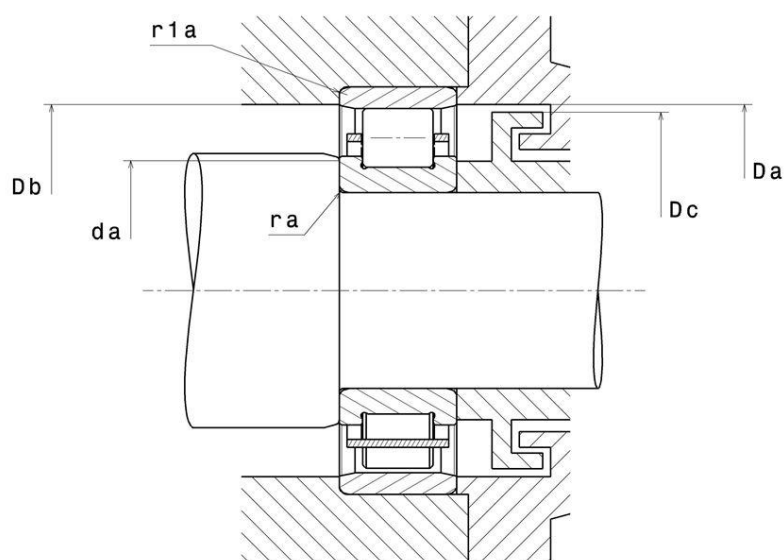
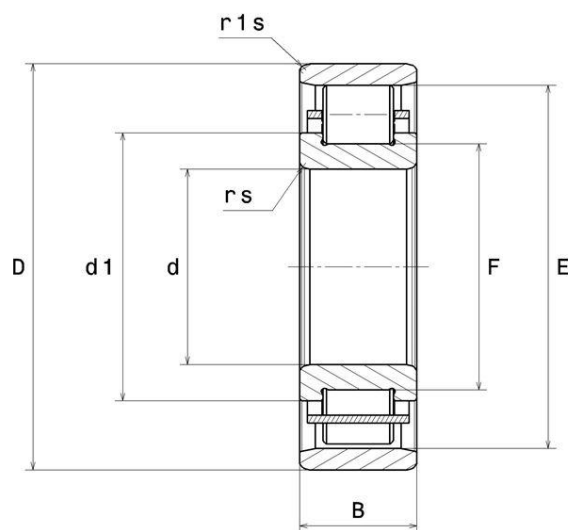
Technical data

N311

Single row cylindrical roller bearings

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

VISUAL (S)



N311

Single row cylindrical roller bearings

PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	55 mm
D - External diameter	120 mm
B - Bearing/Inner ring width	29 mm
E - Upper roller diameter	104,5 mm
F - Under roller diameter	70,5 mm
d1 - IR flange outer diameter	77,2 mm
rs - Min fillet radius	2 mm
r1s - Min fillet radius	2 mm
Radial clearance class	CN
Mass	1,42 kg

PRODUCT PERFORMANCE

C - Dynamic load	123000000 mN
C0 - Static load	111000000 mN
Cu - Fatigue limit load	13600000 mN
N lim - Oil lubrication limit speed	42000 °/s
N lim - Grease lubrication limit speed	35400 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	64 mm
Da max - Max shoulder diameter OR	111 mm
Db min - Small face shoulder min diameter	106 mm



NTN Europe

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ABUTMENT	
Dc max - Max outer ring GO diameter	103 mm
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 $P_0 = Fr$

