



Technical data

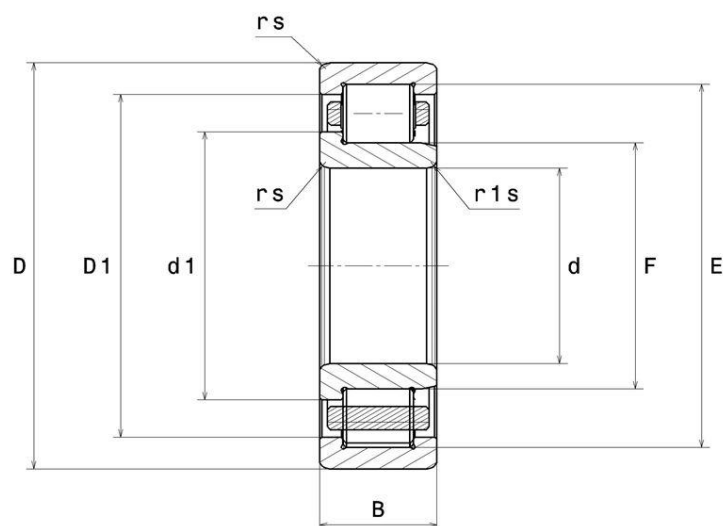
NJ311EAT2XC3

Single row cylindrical roller bearings

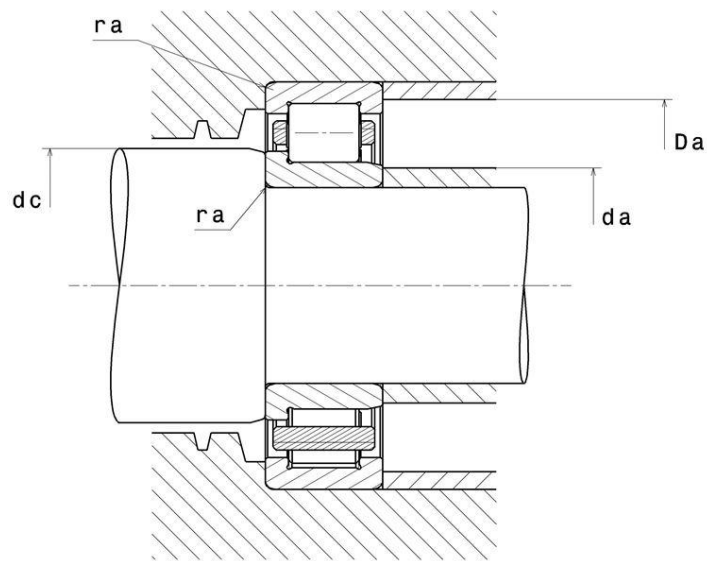
Single row cylindrical roller bearing, single direction for axial loads, separable, polyamide cage.

ULTAGE®

VISUAL (S)



NJ311EAT2XC3
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	106,5 mm
F - Under roller diameter	70,5 mm
rNs - Min fillet radius	2 mm
rs - Min fillet radius	2 mm
r1s - Min fillet radius	2 mm
Radial clearance class	C3
Mass	2,75 kg

PRODUCT PERFORMANCE

C - Dynamic load	162000000 mN
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PRODUCT PERFORMANCE

C0 - Static load	143000000 mN
Cu - Fatigue limit load	17400000 mN
N lim - Oil lubrication limit speed	45600 °/s
N lim - Grease lubrication limit speed	31800 °/s
Tmin - Min operating temperature	253,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	64 mm
da max - Small face shoulder max diameter	69 mm
dc min - Min inner ring GO diameter	72 mm
Da max - Max shoulder diameter OR	111 mm
Db min - Small face shoulder min diameter	108,5 mm
ra max - Max fillet radius	2 mm
r1a - Max fillet radius	2 mm



INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = F_r$$

Equivalent static radial load

$$P_0 = F_r$$



NTN Europe

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