



Technical data

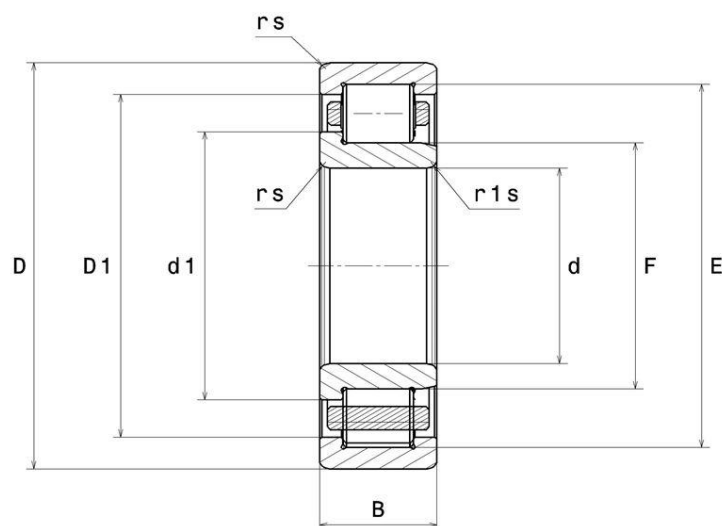
NJ307EAT2X

Single row cylindrical roller bearings

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

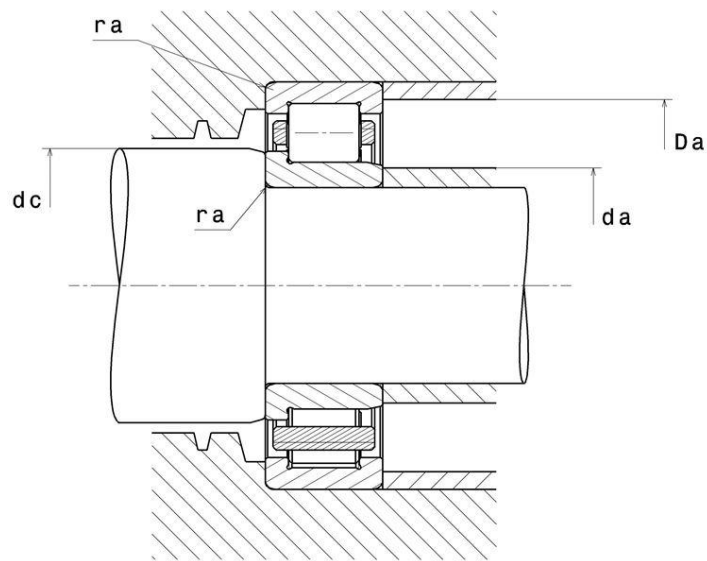
ULTAGE®

VISUAL (S)



NJ307EAT2X

Single row cylindrical roller bearings



PRODUCT DEFINITION	
Brand	NTN
d - Internal diameter	35 mm
D - External diameter	80 mm
B - Bearing/Inner ring width	21 mm
E - Upper roller diameter	70,2 mm
F - Under roller diameter	46,2 mm
d1 - IR flange outer diameter	51 mm
rs - Min fillet radius	1,5 mm
r1s - Min fillet radius	1,1 mm
Radial clearance class	CN
Mass	0,495 kg

PRODUCT PERFORMANCE	
C - Dynamic load	83500000 mN

PRODUCT PERFORMANCE

C0 - Static load	71000000 mN
Cu - Fatigue limit load	8650000 mN
N lim - Oil lubrication limit speed	69000 °/s
N lim - Grease lubrication limit speed	48600 °/s
Tmin - Min operating temperature	253,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	41,5 mm
da max - Small face shoulder max diameter	45 mm
dc min - Min inner ring GO diameter	53 mm
Da max - Max shoulder diameter OR	72 mm
ra max - Max fillet radius	1,5 mm
r1a - Max fillet radius	1 mm



INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$



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