Technical datasheet

NUP311U

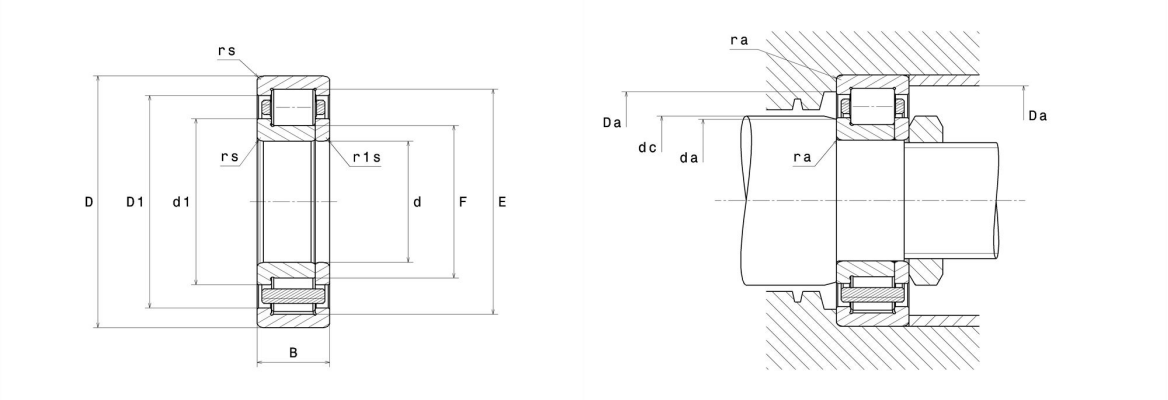
Single row cylindrical roller bearings

Single row cylindrical roller bearing, locating, separable, polyamide cage

ULTAGE



Visual(s)



Product definition

d	50 mm
D	110 mm
B	27 mm
E	97 mm
F	65 mm
d1	71.4 mm
D1	91 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	CN
Mass (without HJ ring)	1.19 kg
Brand	NTN

Product performance

Dynamic load, C	130 kN
Static load, C0	113 kN
Nlim (oil)	8,300 rpm
Nlim (grease)	5,900 rpm
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.86 Hz
Characteristic outer ring frequency, BPF0	5.22 Hz
Characteristic inner ring frequency, BPFI	7.78 Hz

Abutment dimensions

da min	59 mm
dc min	73 mm
Da max	101 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$