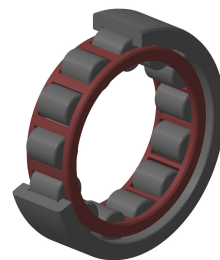


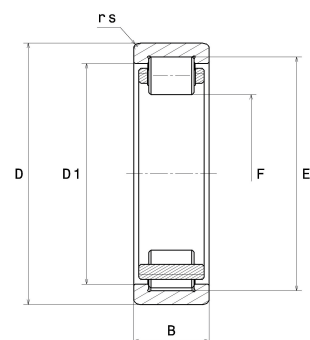
PDF technical sheet RUS214ET2X



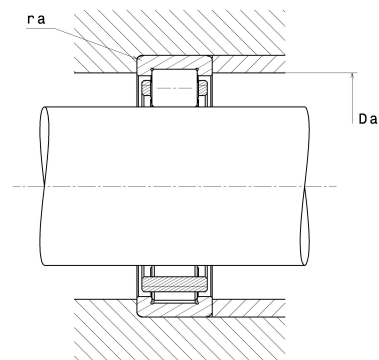
Single row cylindrical roller bearings

Single row cylindrical roller bearing without inner ring, polyamide cage

Product definition	
D	4.9213 "
B	0.9449 "
E	4.4685 "
F	3.2874 "
rs min	0.0591 "
Radial clearance class	CN
Mass (without HJ ring)	3.00 oz
Brand	NTN



Product performance	
Dynamic load, C	119 kN
Static load, C0	137 kN
Fatigue limit load, Cu	16.70 kN
Nlim (oil)	5,900 RPM
Nlim (grease)	5,000 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	6.41 Hz
Characteristic outer ring frequency, BPF0	7.21 Hz
Characteristic inner ring frequency, BPF1	9.79 Hz



Abutment dimensions	
Da max	4.6063 "
ra max	0.0591 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$