

PDF technical sheet RUS307EG1

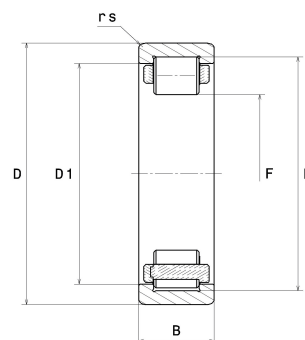


Single row cylindrical roller bearings

Single row cylindrical roller bearing without inner ring, brass cage

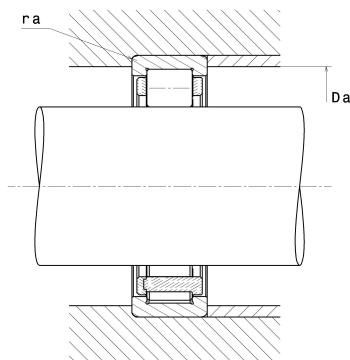
Product definition

D	3.1496 "
B	0.8268 "
E	2.7638 "
F	1.8189 "
rs min	0.0591 "
Radial clearance class	CN
Mass (without HJ ring)	1.40 oz
Brand	NTN



Product performance

Dynamic load, C	71 kN
Static load, C0	71 kN
Fatigue limit load, Cu	8.70 kN
Nlim (oil)	9,600 RPM
Nlim (grease)	8,100 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C
Characteristic cage frequency, FTF	0.40 Hz
Characteristic rolling element frequency, BSF	4.64 Hz
Characteristic outer ring frequency, BPF0	5.16 Hz
Characteristic inner ring frequency, BPFI	7.84 Hz



Abutment dimensions

Da max	2.8346 "
ra max	0.0591 "

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$