Technical datasheet

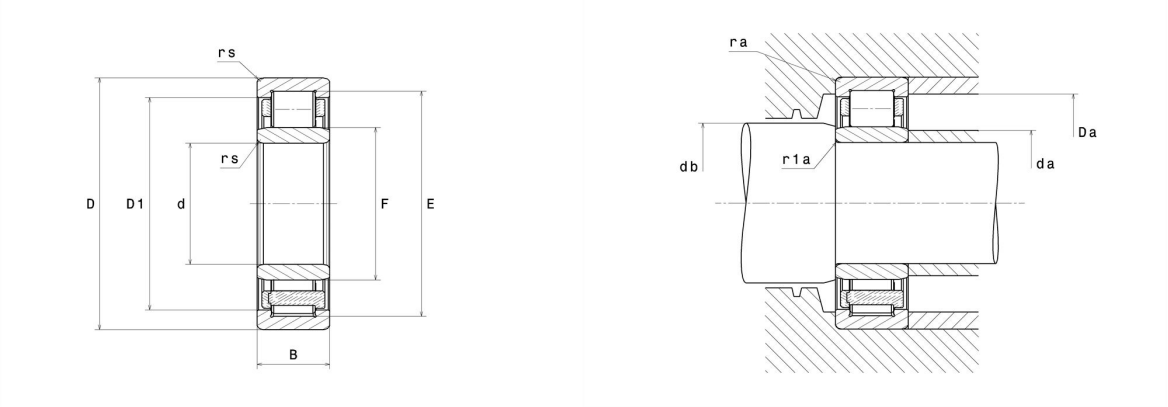
NU256

Single row cylindrical roller bearings



Single row cylindrical roller bearing, floating, separable, brass cage

Visual(s)



Product definition

d	280 mm
D	500 mm
B	80 mm
E	440 mm
F	340 mm
rs min	5 mm
r1s min	5 mm
Radial clearance class	CN
Mass (without HJ ring)	69.8 kg
Brand	NTN

Product performance

Dynamic load, C	1,190 kN
Static load, C0	1,760 kN
Fatigue limit load, Cu	143 kN
Nlim (oil)	1,400 rpm
Nlim (grease)	1,200 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.67 Hz
Characteristic outer ring frequency, BPF0	8.72 Hz
Characteristic inner ring frequency, BPFI	11.28 Hz

Abutment dimensions

da min	300 mm
da max	336 mm
db min	343 mm
Da max	480 mm
ra max	4 mm
r1a max	4 mm

Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr