Technical datasheet

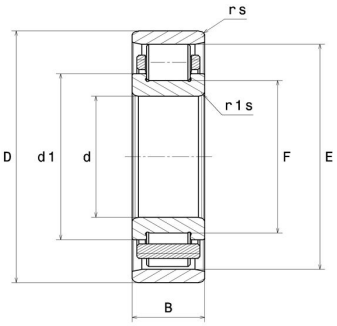
N205ET2XC3

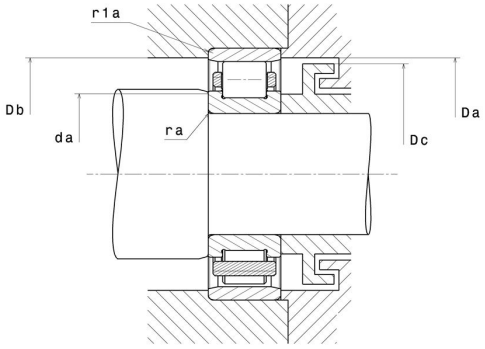
Single row cylindrical roller bearings

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



Visual(s)





Product definition

d	25 mm
D	52 mm
B	15 mm
E	46.5 mm
F	31.5 mm
d1	34.5 mm
rs min	1 mm
r1s min	0.6 mm
Radial clearance class	C3
Mass (without HJ ring)	0.13 kg
Brand	NTN

Product performance

Dynamic load, C	29.3 kN
Static load, C0	27.7 kN
Fatigue limit load, Cu	3.4 kN
Nlim (oil)	15,000 rpm
Nlim (grease)	13,000 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	5.01 Hz
Characteristic outer ring frequency, BPF0	5.25 Hz
Characteristic inner ring frequency, BPFI	7.75 Hz

Abutment dimensions

da min	30 mm
Da max	48 mm
Db min	47 mm
Dc max	44 mm
ra max	1 mm
r1a max	0.6 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$