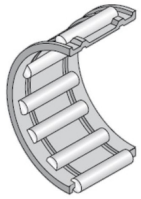
Technical data

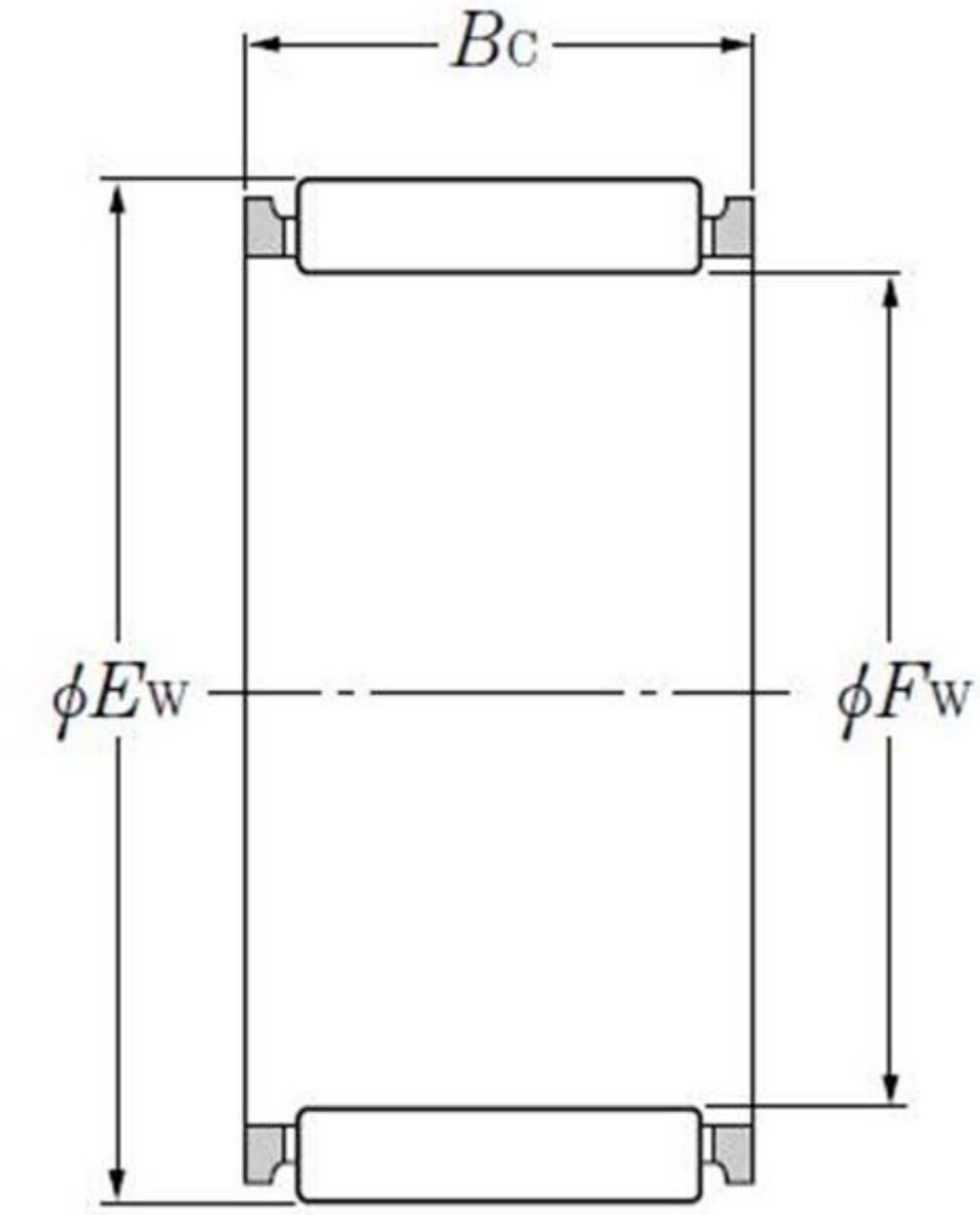
K28X33X13

Needle roller and cage assemblies



Needle roller bearing, cage assembly, steel cage

Visual(s)



Product definition

Fw	28 mm
Ew	33 mm
Bc	13 mm
Dw	2.5 mm
Lw	9.8 mm
Mass	0.02 kg
Brand	NTN

Product performance

Cr	13.9 kN
C0r	20.9 kN
Nlim (grease)	9,500 Tr/min
Nlim (oil)	14,000 Tr/min
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	12.12 Hz
Characteristic outer ring frequency, BPF0	10.1 Hz
Characteristic inner ring frequency, BPFI	11.9 Hz

Abutment dimensions

b	13 mm