Technical datasheet

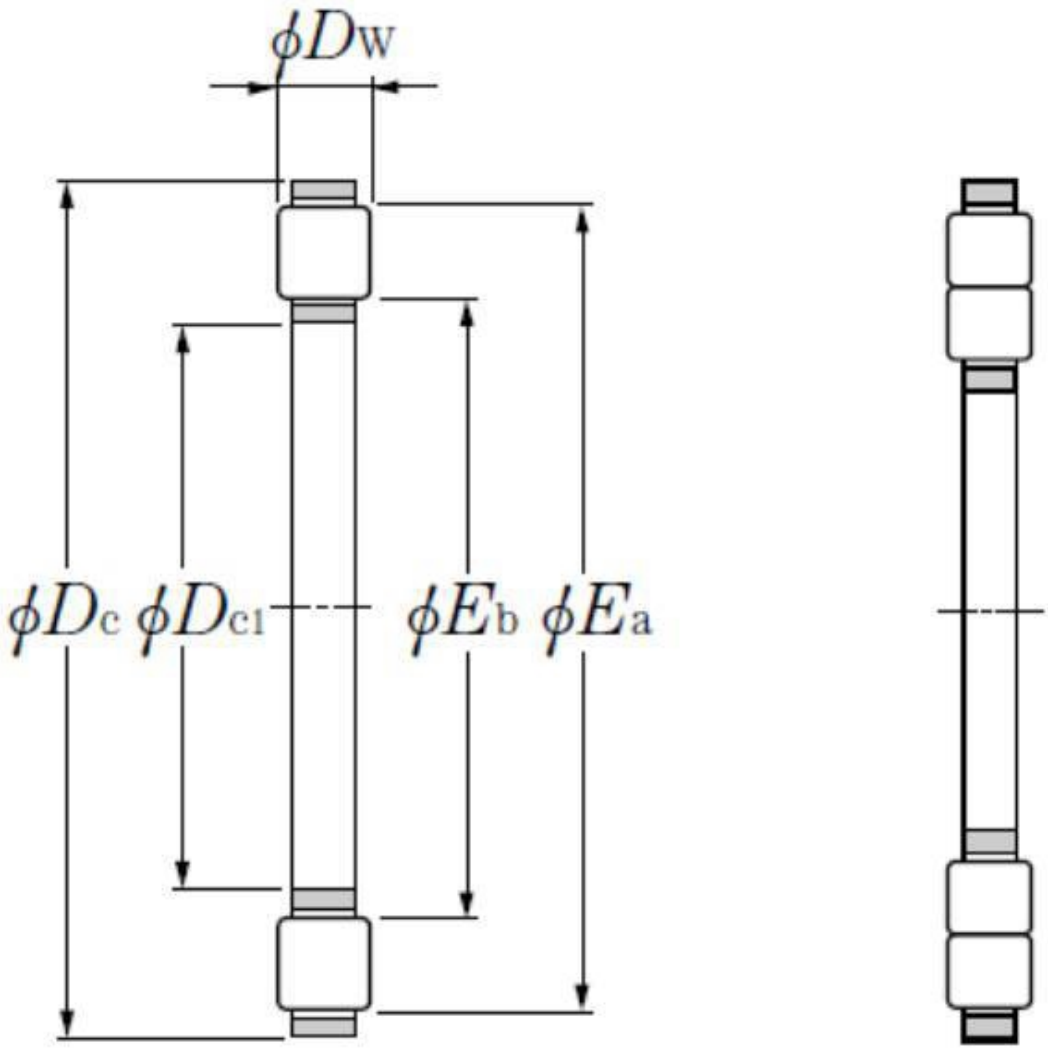
K89309

Thrust cylindrical roller bearing cages



Needle roller bearing, thrust cylindrical roller bearing, cage assembly, K893 series

Visual(s)



Product definition

Dc1	45 mm
Dc	85 mm
Dw	7.5 mm
Lw	7.5 mm
Bearing ring (inner ring) WS	WS89309
Bearing ring (outer ring) GS	GS89309
Ea	81.3 mm
Eb	50.9 mm
Cage assembly mass	0.14 kg
Brand	NTN

Product performance

Ca	102 kN
C0a	345 kN
Nlim (grease)	900 rpm
Nlim (oil)	3,600 rpm
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.5 Hz
Characteristic rolling element frequency, BSF	8.81 Hz
Characteristic outer ring frequency, BPF0	8 Hz
Characteristic inner ring frequency, BPFI	8 Hz