Technical datasheet

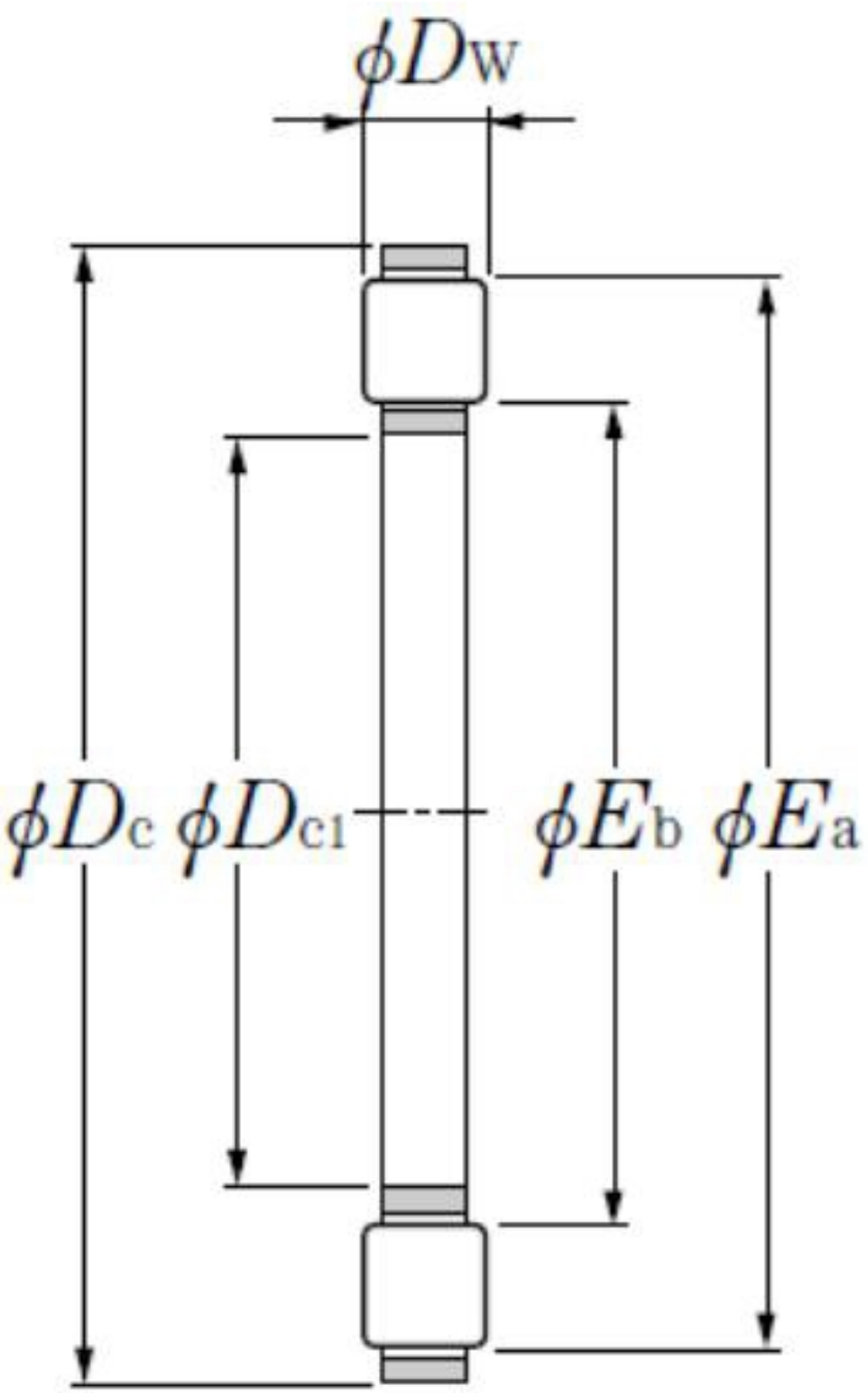
K81217L1

Thrust cylindrical roller bearing cages



Needle roller bearing, thrust cylindrical roller bearing, cage assembly, K812 series

Visual(s)


ϕDw
ϕDc
ϕDc1
ϕEb
ϕEa

Product definition

Dc1	85 mm
Dc	125 mm
Dw	12 mm
Lw	12 mm
Bearing ring (inner ring) WS	WS81217
Bearing ring (outer ring) GS	GS81217
Ea	116.9 mm
Eb	92.2 mm
Cage assembly mass	0.3 kg
Brand	NTN

Product performance

Ca	169 kN
C0a	550 kN
Nlim (grease)	580 rpm
Nlim (oil)	2,300 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	8.71 Hz
Characteristic outer ring frequency, BPF0	9.5 Hz
Characteristic inner ring frequency, BPFI	9.5 Hz