Technical datasheet

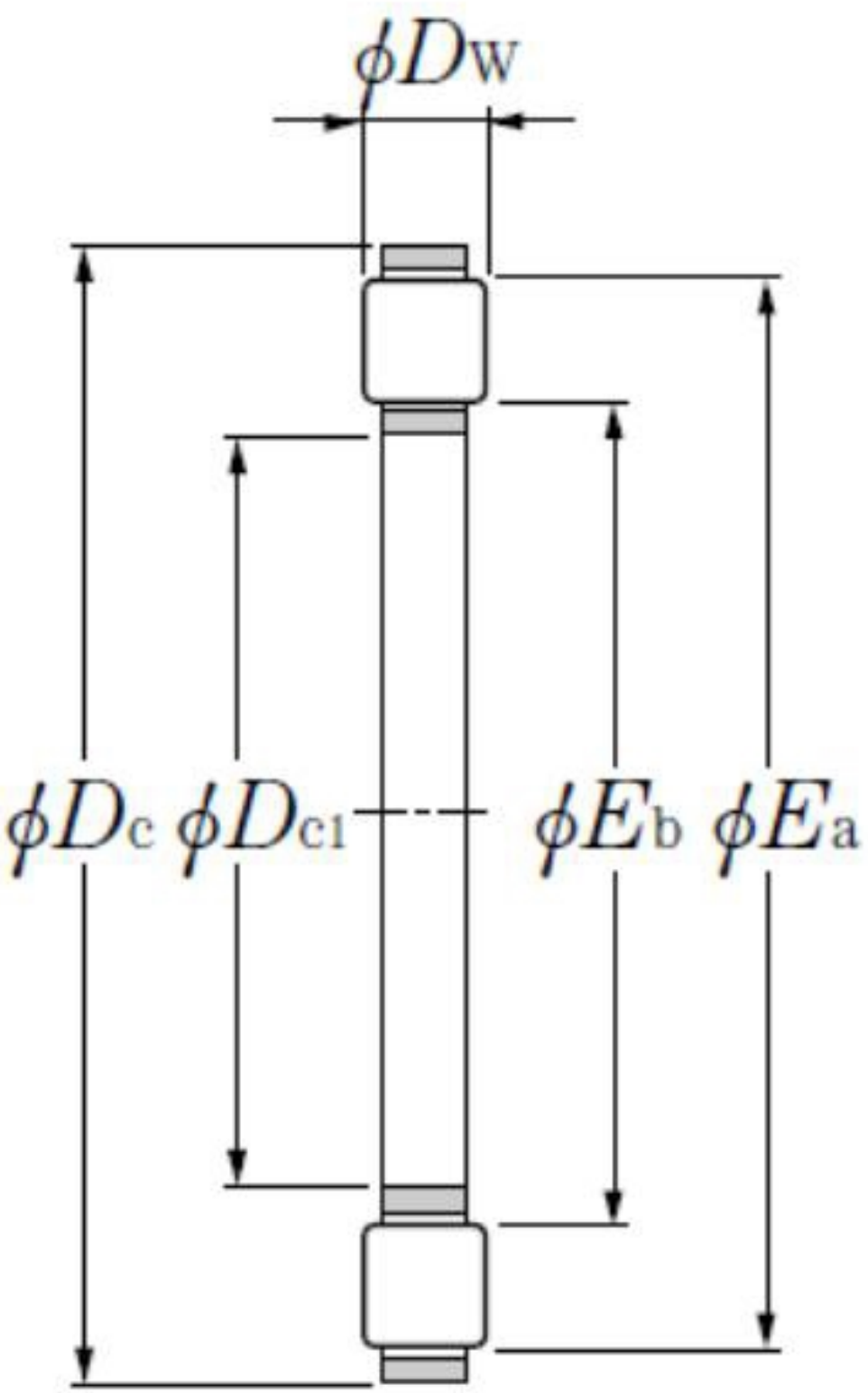
K81218J

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	90 mm
Dc	135 mm
Dw	14 mm
Lw	14 mm
Bearing ring (inner ring) WS	WS81218
Bearing ring (outer ring) GS	GS81218
Ea	126.7 mm
Eb	97.9 mm
Cage assembly mass	0.54 kg
Brand	NTN

Product performance

Ca	213 kN
C0a	680 kN
Nlim (grease)	530 rpm
Nlim (oil)	2,100 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	8.02 Hz
Characteristic outer ring frequency, BPF0	8.5 Hz
Characteristic inner ring frequency, BPFI	8.5 Hz