Technical datasheet

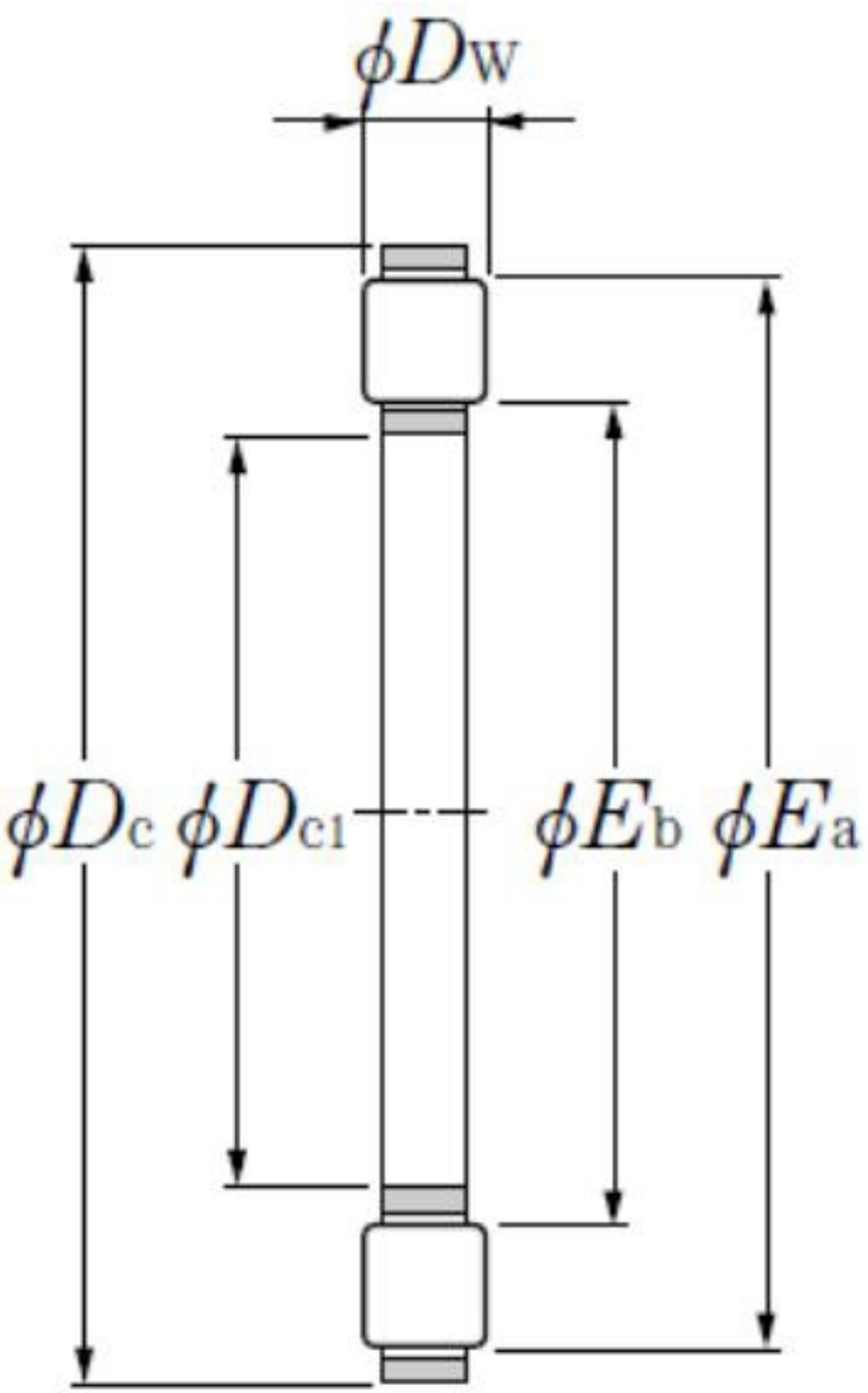
K81220

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	100 mm
Dc	150 mm
Dw	15 mm
Lw	15 mm
Bearing ring (inner ring) WS	WS81220
Bearing ring (outer ring) GS	GS81220
Ea	140 mm
Eb	109.2 mm
Cage assembly mass	0.62 kg
Brand	NTN

Product performance

Ca	243 kN
C0a	795 kN
Nlim (grease)	480 rpm
Nlim (oil)	1,900 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	8.31 Hz
Characteristic outer ring frequency, BPF0	9 Hz
Characteristic inner ring frequency, BPFI	9 Hz