



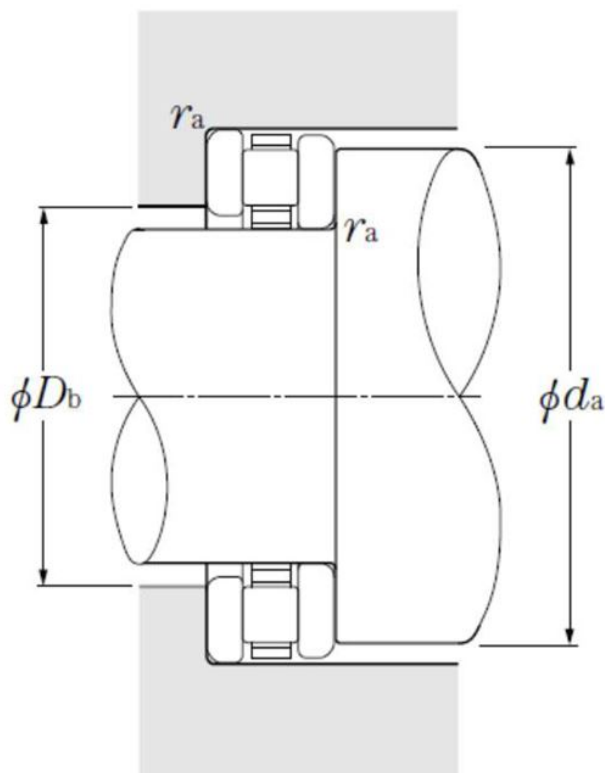
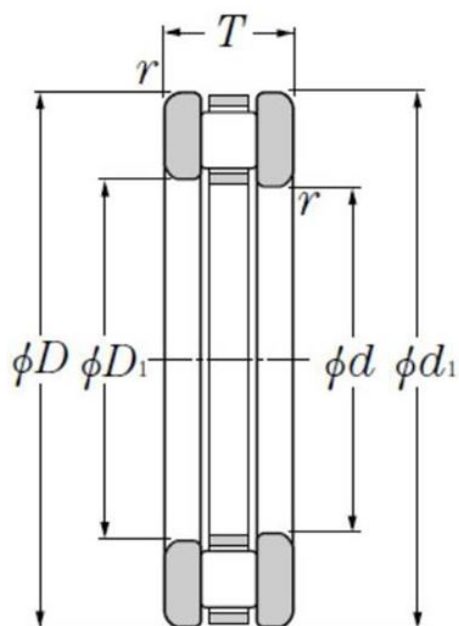
Technical datasheet

81109T2

Complete thrust bearing

Needle roller bearing, thrust cylindrical roller bearing, 811 series

Visual(s)



Product definition

d	45 mm
D	65 mm
d1	65 mm
D1	47 mm
T	14 mm
Dc1	45 mm
Dc	65 mm
Dw	6 mm
Lw	6 mm
rs min	0.6 mm
Cage assembly reference	K81109T2
Bearing ring (inner ring) WS	WS81109
Bearing ring (outer ring) GS	GS81109
Ea	61.6 mm
Eb	48.4 mm
Mass	0.15 kg
Cage assembly mass	0.04 kg
Bearing ring (inner ring) WS mass	0.06 kg
Bearing ring (outer ring) GS mass	0.06 kg
Brand	NTN

Product performance

Ca	45.5 kN
C0a	135 kN
Nlim (grease)	1,100 rpm
Nlim (oil)	4,400 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	9.17 Hz
Characteristic outer ring frequency, BPF0	9.5 Hz
Characteristic inner ring frequency, BPFI	9.5 Hz

Abutment dimensions

da min	61 mm
Db max	49 mm
ras max	0.6 mm