



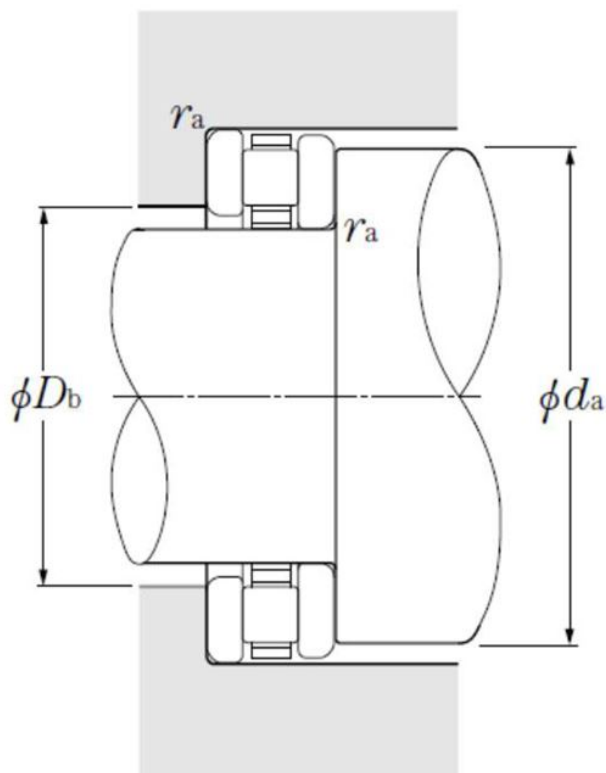
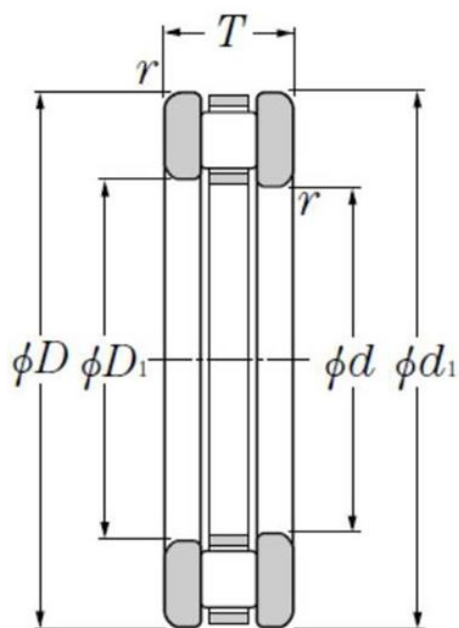
Technical datasheet

81104T2

Complete thrust bearing

Needle roller bearing, thrust cylindrical roller bearing, 811 series

Visual(s)



Product definition

d	20 mm
D	35 mm
d1	35 mm
D1	21 mm
T	10 mm
Dc1	20 mm
Dc	35 mm
Dw	4.5 mm
Lw	4.5 mm
rs min	0.3 mm
Cage assembly reference	K81104T2
Bearing ring (inner ring) WS	WS81104
Bearing ring (outer ring) GS	GS81104
Ea	32.3 mm
Eb	22.4 mm
Mass	0.04 kg
Cage assembly mass	0.01 kg
Bearing ring (inner ring) WS mass	0.01 kg
Bearing ring (outer ring) GS mass	0.01 kg
Brand	NTN

Product performance

Ca	20.2 kN
C0a	46.5 kN
Nlim (grease)	2,100 rpm
Nlim (oil)	8,500 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	6.08 Hz
Characteristic outer ring frequency, BPF0	6 Hz
Characteristic inner ring frequency, BPFI	6 Hz

Abutment dimensions

da min	32 mm
Db max	23 mm
ras max	0.3 mm