

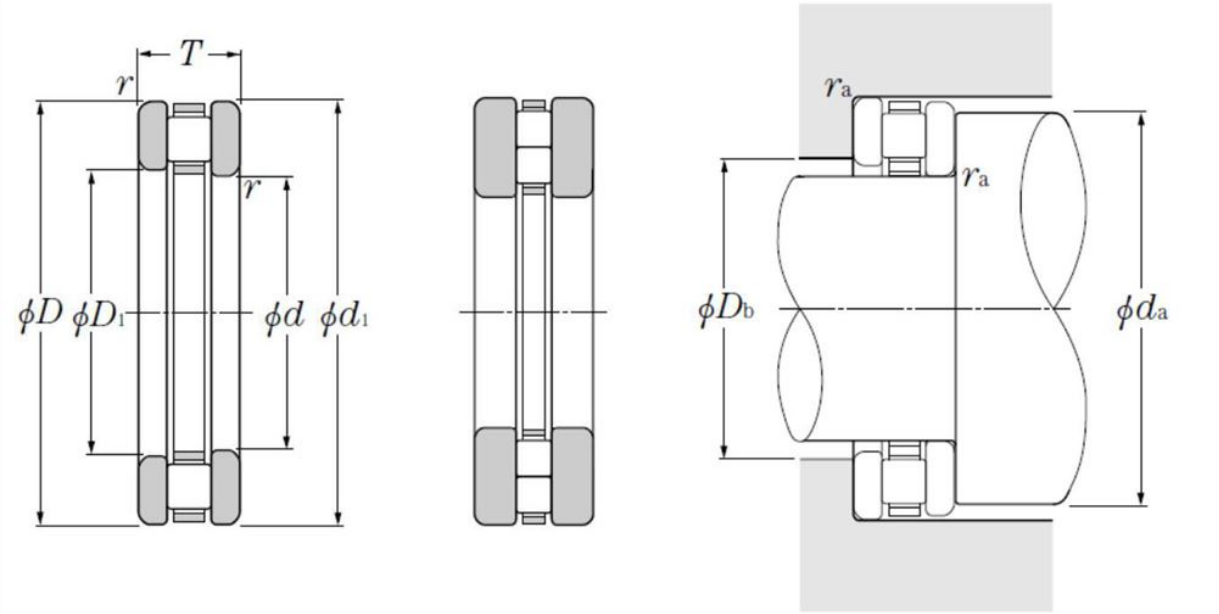
Technical data

89309

Complete thrust bearing

Needle roller bearing, thrust cylindrical roller bearing, 893 series

Visual(s)



Product definition

d	45 mm
D	85 mm
d1	85 mm
D1	47 mm
T	24 mm
Dc1	45 mm
Dc	85 mm
Dw	7.5 mm
Lw	7.5 mm
rs min	1 mm
Cage assembly reference	K89309
Bearing ring (inner ring) WS	WS89309
Bearing ring (outer ring) GS	GS89309
Ea	81.3 mm
Eb	50.9 mm
Mass	0.67 kg
Cage assembly mass	0.14 kg
Bearing ring (inner ring) WS mass	0.27 kg
Bearing ring (outer ring) GS mass	0.27 kg
Brand	NTN

Product performance

Ca	102 kN
C0a	345 kN
Nlim (grease)	900 Tr/min
Nlim (oil)	3,600 Tr/min
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.5 Hz
Characteristic rolling element frequency, BSF	8.81 Hz
Characteristic outer ring frequency, BPF0	8 Hz
Characteristic inner ring frequency, BPFI	8 Hz

Abutment dimensions

da min	81 mm
Db max	51 mm
ras max	1 mm