

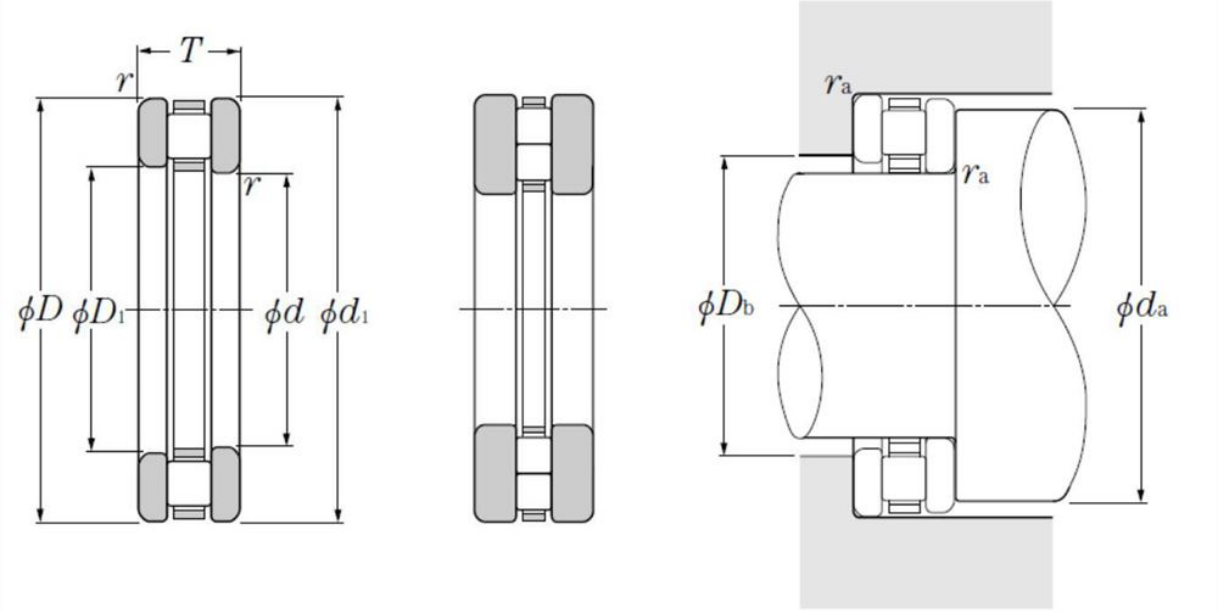
Technical datasheet

89310

Complete thrust bearing

Needle roller bearing, thrust cylindrical roller bearing, 893 series

Visual(s)



Product definition

d	50 mm
D	95 mm
d1	95 mm
D1	52 mm
T	27 mm
Dc1	50 mm
Dc	95 mm
Dw	8 mm
Lw	8 mm
rs min	1.1 mm
Cage assembly reference	K89310
Bearing ring (inner ring) WS	WS89310
Bearing ring (outer ring) GS	GS89310
Ea	90.4 mm
Eb	58 mm
Mass	0.94 kg
Cage assembly mass	0.18 kg
Bearing ring (inner ring) WS mass	0.38 kg
Bearing ring (outer ring) GS mass	0.38 kg
Brand	NTN

Product performance

Ca	125 kN
C0a	445 kN
Nlim (grease)	800 rpm
Nlim (oil)	3,200 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	9.28 Hz
Characteristic outer ring frequency, BPF0	9 Hz
Characteristic inner ring frequency, BPFI	9 Hz

Abutment dimensions

da min	90 mm
Db max	58 mm
ras max	1 mm