

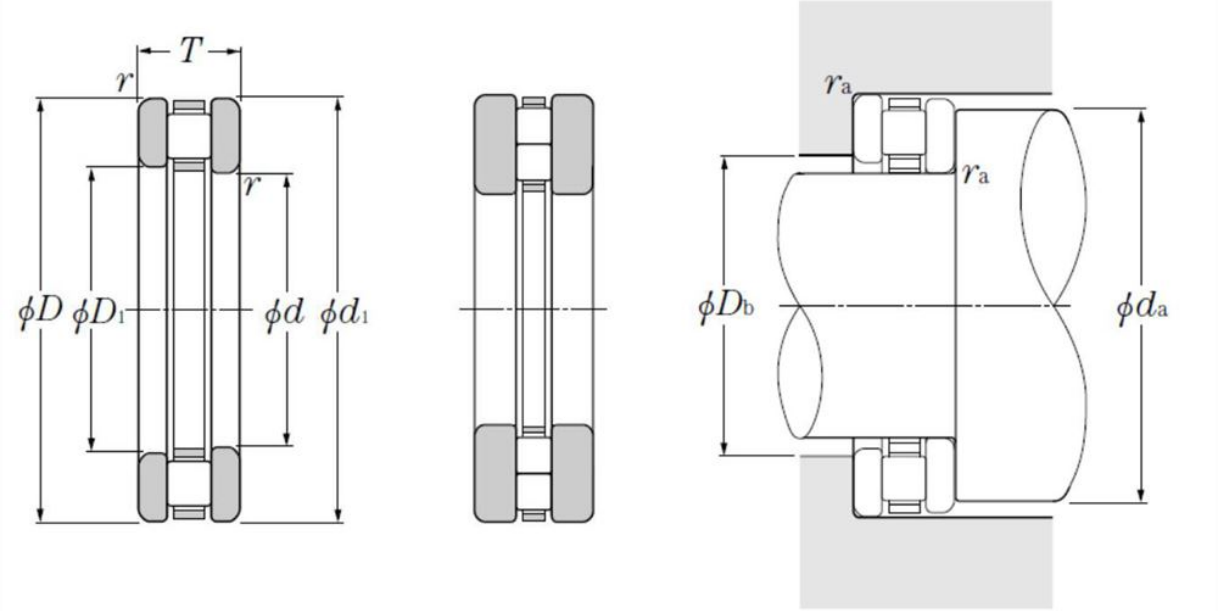
Technical datasheet

89317

Complete thrust bearing

Needle roller bearing, thrust cylindrical roller bearing, 893 series

Visual(s)



Product definition

d	85 mm
D	150 mm
d1	150 mm
D1	88 mm
T	39 mm
Dc1	85 mm
Dc	150 mm
Dw	12 mm
Lw	12 mm
rs min	1.5 mm
Cage assembly reference	K89317
Bearing ring (inner ring) WS	WS89317
Bearing ring (outer ring) GS	GS89317
Ea	144.2 mm
Eb	95.8 mm
Mass	3.14 kg
Cage assembly mass	0.59 kg
Bearing ring (inner ring) WS mass	1.28 kg
Bearing ring (outer ring) GS mass	1.28 kg
Brand	NTN

Product performance

Ca	281 kN
C0a	1,100 kN
Nlim (grease)	500 rpm
Nlim (oil)	2,000 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	10 Hz
Characteristic outer ring frequency, BPF0	9.5 Hz
Characteristic inner ring frequency, BPFI	9.5 Hz

Abutment dimensions

da min	144 mm
Db max	96 mm
ras max	1.5 mm