

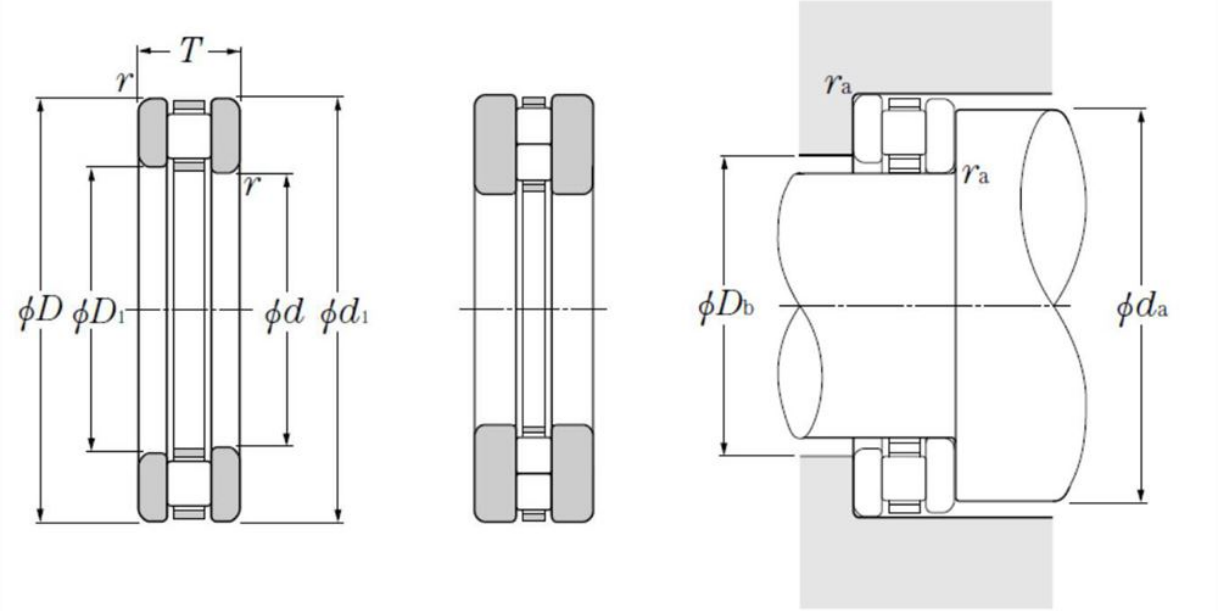
Technical datasheet

89320

Complete thrust bearing

Needle roller bearing, thrust cylindrical roller bearing, 893 series

Visual(s)



Product definition

d	100 mm
D	170 mm
d1	170 mm
D1	103 mm
T	42 mm
Dc1	100 mm
Dc	170 mm
Dw	13 mm
Lw	13 mm
rs min	1.5 mm
Cage assembly reference	K89320
Bearing ring (inner ring) WS	WS89320
Bearing ring (outer ring) GS	GS89320
Ea	163 mm
Eb	110.6 mm
Mass	4.19 kg
Cage assembly mass	0.81 kg
Bearing ring (inner ring) WS mass	1.69 kg
Bearing ring (outer ring) GS mass	1.69 kg
Brand	NTN

Product performance

Ca	335 kN
C0a	1,370 kN
Nlim (grease)	430 rpm
Nlim (oil)	1,700 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	10.52 Hz
Characteristic outer ring frequency, BPF0	10 Hz
Characteristic inner ring frequency, BPFI	10 Hz

Abutment dimensions

da min	163 mm
Db max	110 mm
ras max	1.5 mm