

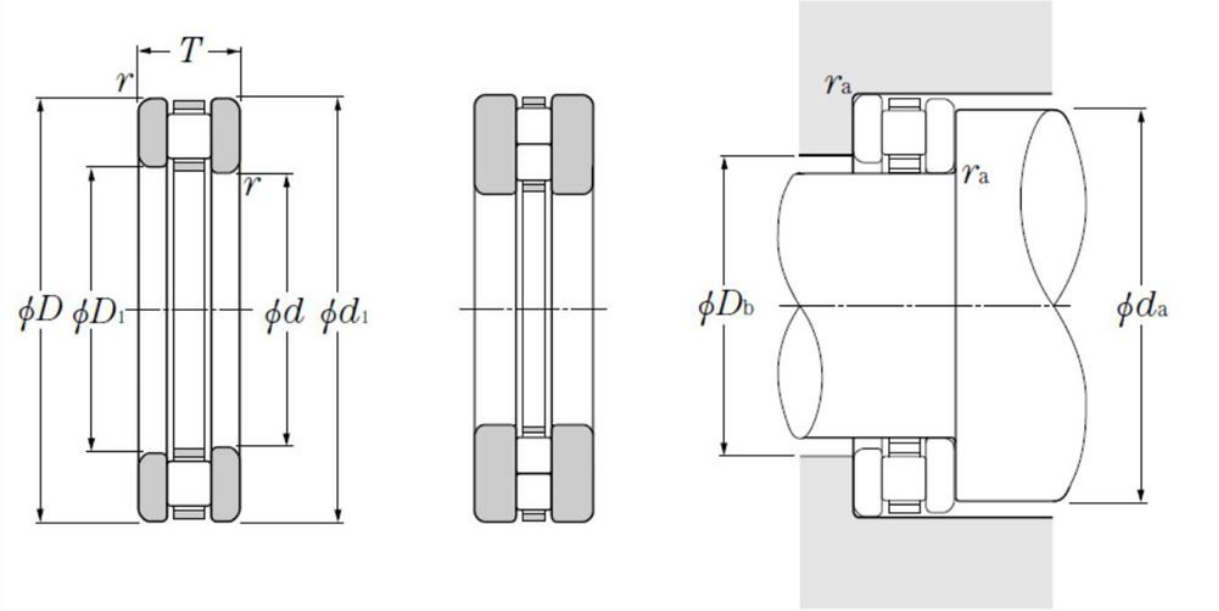
Technical data

89311

Complete thrust bearing

Needle roller bearing, thrust cylindrical roller bearing, 893 series

Visual(s)



Product definition

d	55 mm
D	105 mm
d1	105 mm
D1	57 mm
T	30 mm
Dc1	55 mm
Dc	105 mm
Dw	9 mm
Lw	9 mm
rs min	1.1 mm
Cage assembly reference	K89311
Bearing ring (inner ring) WS	WS89311
Bearing ring (outer ring) GS	GS89311
Ea	100.3 mm
Eb	63.9 mm
Mass	1.27 kg
Cage assembly mass	0.24 kg
Bearing ring (inner ring) WS mass	0.52 kg
Bearing ring (outer ring) GS mass	0.52 kg
Brand	NTN

Product performance

Ca	158 kN
C0a	570 kN
Nlim (grease)	730 Tr/min
Nlim (oil)	2,900 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	9.12 Hz
Characteristic outer ring frequency, BPF0	9 Hz
Characteristic inner ring frequency, BPFI	9 Hz

Abutment dimensions

da min	100 mm
Db max	64 mm
ras max	1 mm