

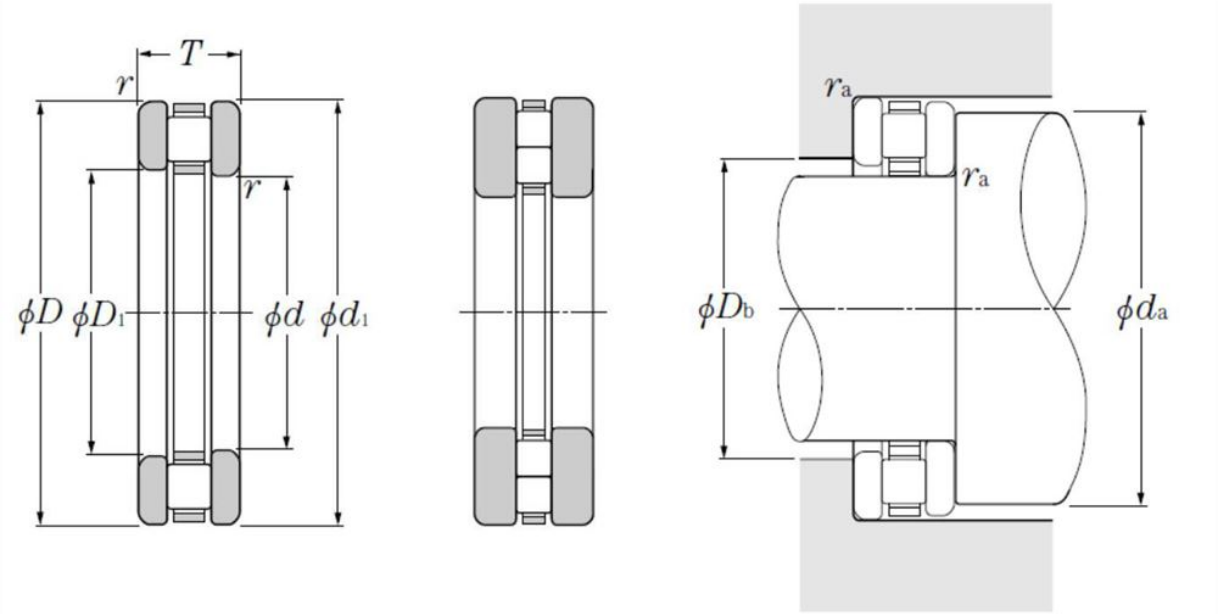
Technical data

89312

Complete thrust bearing

Needle roller bearing, thrust cylindrical roller bearing, 893 series

Visual(s)



Product definition

d	60 mm
D	110 mm
d1	110 mm
D1	62 mm
T	30 mm
Dc1	60 mm
Dc	110 mm
Dw	9 mm
Lw	9 mm
rs min	1.1 mm
Cage assembly reference	K89312
Bearing ring (inner ring) WS	WS89312
Bearing ring (outer ring) GS	GS89312
Ea	105.3 mm
Eb	68.9 mm
Mass	1.35 kg
Cage assembly mass	0.25 kg
Bearing ring (inner ring) WS mass	0.55 kg
Bearing ring (outer ring) GS mass	0.55 kg
Brand	NTN

Product performance

Ca	162 kN
C0a	600 kN
Nlim (grease)	680 Tr/min
Nlim (oil)	2,700 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	9.68 Hz
Characteristic outer ring frequency, BPF0	9.5 Hz
Characteristic inner ring frequency, BPFI	9.5 Hz

Abutment dimensions

da min	105 mm
Db max	69 mm
ras max	1 mm