

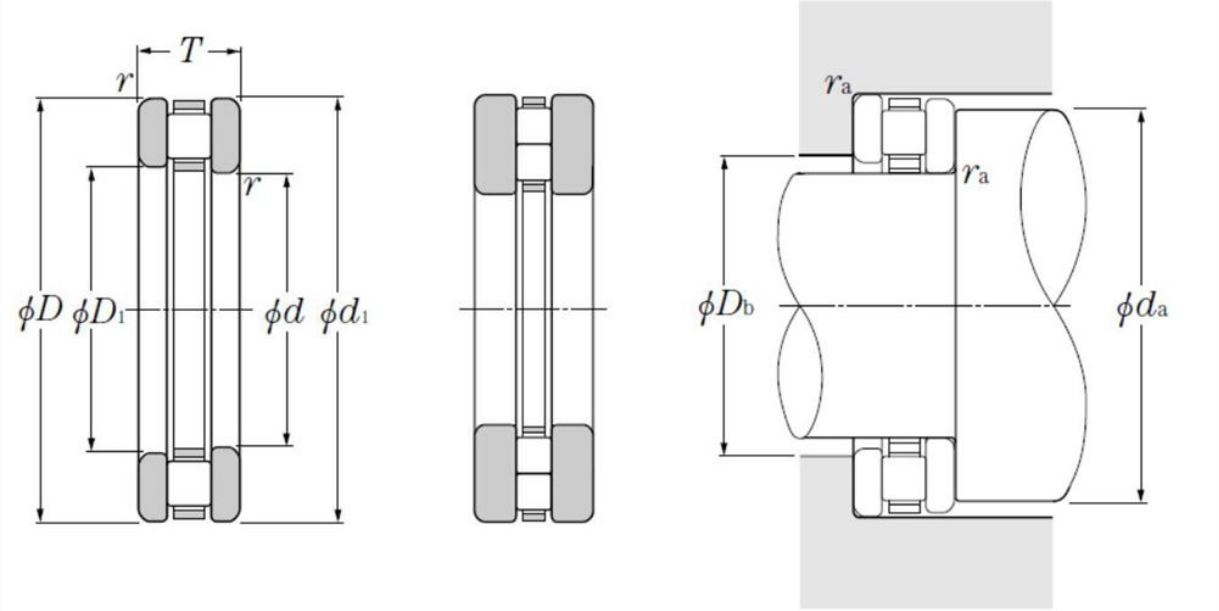
Technical datasheet

89314

Complete thrust bearing

Needle roller bearing, thrust cylindrical roller bearing, 893 series

Visual(s)



Product definition

d	70 mm
D	125 mm
d1	125 mm
D1	72 mm
T	34 mm
Dc1	70 mm
Dc	125 mm
Dw	10 mm
Lw	10 mm
rs min	1.1 mm
Cage assembly reference	K89314
Bearing ring (inner ring) WS	WS89314
Bearing ring (outer ring) GS	GS89314
Ea	120.2 mm
Eb	79.8 mm
Mass	1.93 kg
Cage assembly mass	0.34 kg
Bearing ring (inner ring) WS mass	0.8 kg
Bearing ring (outer ring) GS mass	0.8 kg
Brand	NTN

Product performance

Ca	205 kN
C0a	790 kN
Nlim (grease)	600 rpm
Nlim (oil)	2,400 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	10 Hz
Characteristic inner ring frequency, BPFI	10 Hz

Abutment dimensions

da min	120 mm
Db max	80 mm
ras max	1 mm