

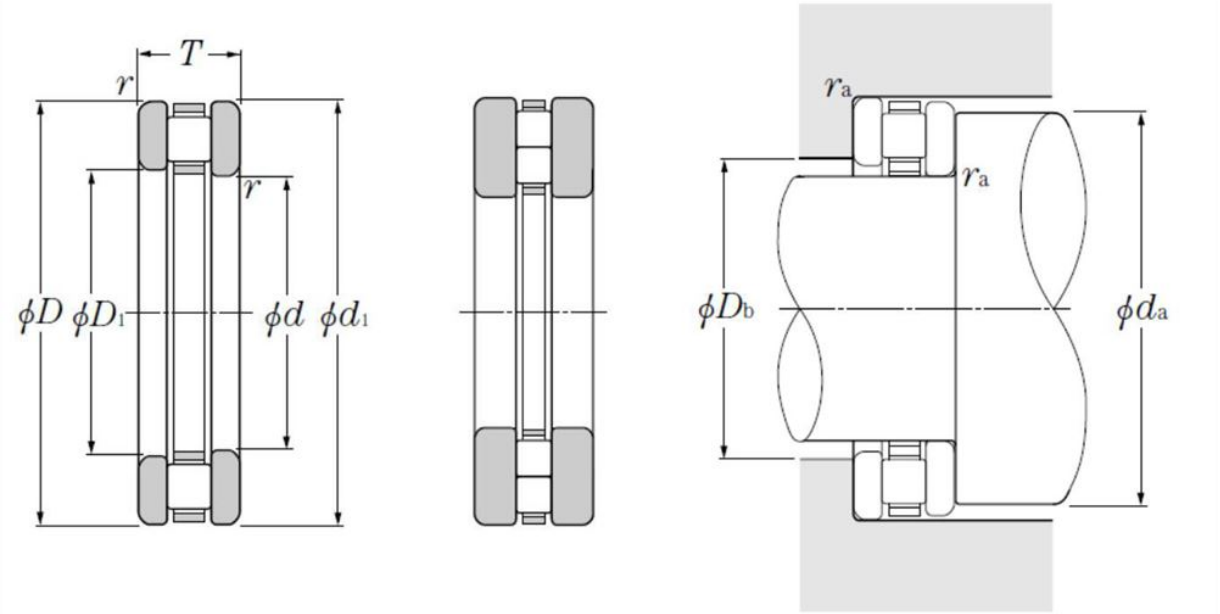
Technical data

89316

Complete thrust bearing

Needle roller bearing, thrust cylindrical roller bearing, 893 series

Visual(s)



Product definition

d	80 mm
D	140 mm
d1	140 mm
D1	82 mm
T	36 mm
Dc1	80 mm
Dc	140 mm
Dw	11 mm
Lw	11 mm
rs min	1.5 mm
Cage assembly reference	K89316
Bearing ring (inner ring) WS	WS89316
Bearing ring (outer ring) GS	GS89316
Ea	134.2 mm
Eb	89.8 mm
Mass	2.53 kg
Cage assembly mass	0.49 kg
Bearing ring (inner ring) WS mass	1.02 kg
Bearing ring (outer ring) GS mass	1.02 kg
Brand	NTN

Product performance

Ca	246 kN
C0a	970 kN
Nlim (grease)	530 Tr/min
Nlim (oil)	2,100 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	10.18 Hz
Characteristic outer ring frequency, BPF0	10 Hz
Characteristic inner ring frequency, BPFI	10 Hz

Abutment dimensions

da min	134 mm
Db max	90 mm
ras max	1.5 mm