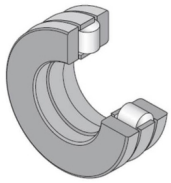
Technical datasheet

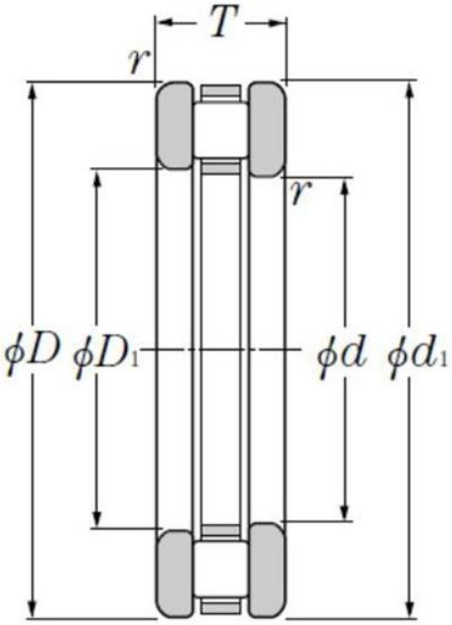
81216

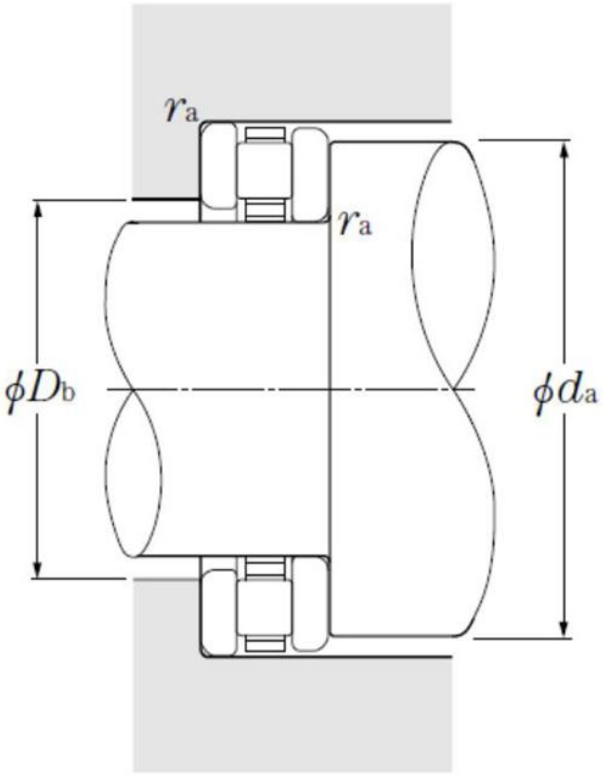
Complete thrust bearing



Needle roller bearing, thrust cylindrical roller bearing, 812 series

Visual(s)





Product definition

d	80 mm
D	115 mm
d1	115 mm
D1	85 mm
T	28 mm
Dc1	80 mm
Dc	115 mm
Dw	11 mm
Lw	11 mm
rs min	1 mm
Cage assembly reference	K81216
Bearing ring (inner ring) WS	WS81216
Bearing ring (outer ring) GS	GS81216
Ea	108.4 mm
Eb	84.8 mm
Mass	0.95 kg
Cage assembly mass	0.25 kg
Bearing ring (inner ring) WS mass	0.35 kg
Bearing ring (outer ring) GS mass	0.35 kg
Precision class	P0
Brand	NTN

Product performance

Ca	143 kN
C0a	460 kN
Nlim (grease)	630 rpm
Nlim (oil)	2,500 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	8.78 Hz
Characteristic outer ring frequency, BPF0	9.5 Hz
Characteristic inner ring frequency, BPFI	9.5 Hz

Abutment dimensions

da min	106 mm
Db max	86 mm
ras max	1 mm