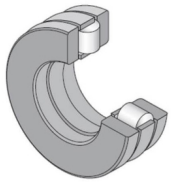
Technical datasheet

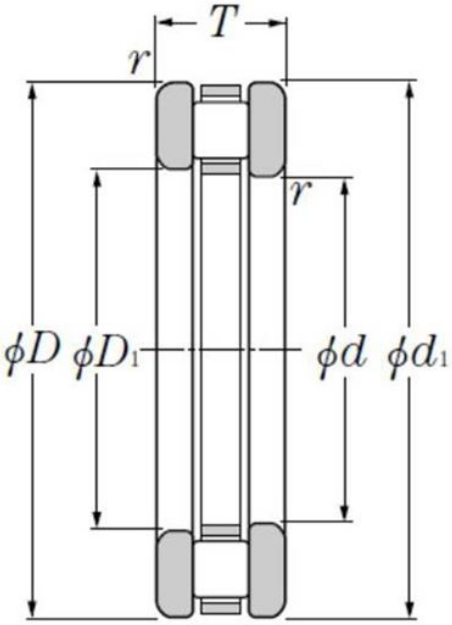
81220

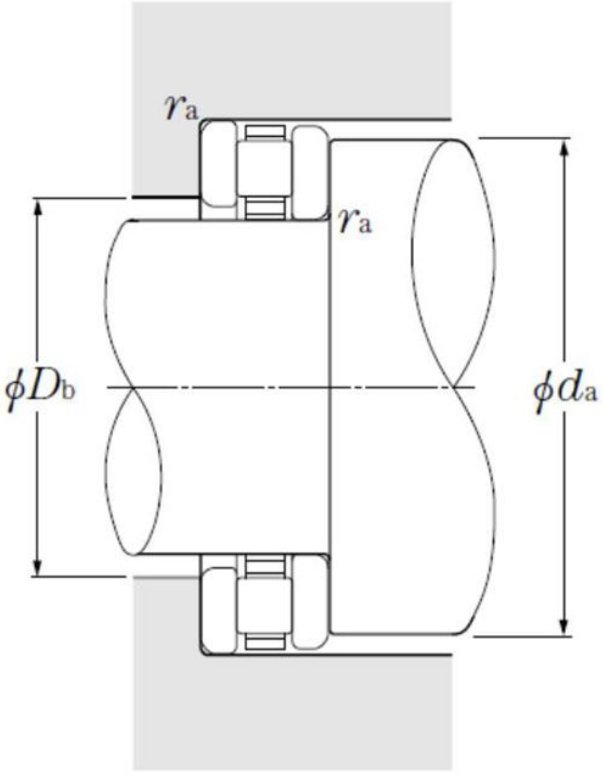
Complete thrust bearing



Needle roller bearing, thrust cylindrical roller bearing, 812 series

Visual(s)





Product definition

d	100 mm
D	150 mm
d1	150 mm
D1	103 mm
T	38 mm
Dc1	100 mm
Dc	150 mm
Dw	15 mm
Lw	15 mm
rs min	1.1 mm
Cage assembly reference	K81220
Bearing ring (inner ring) WS	WS81220
Bearing ring (outer ring) GS	GS81220
Ea	140 mm
Eb	109.2 mm
Mass	2.24 kg
Cage assembly mass	0.62 kg
Bearing ring (inner ring) WS mass	0.81 kg
Bearing ring (outer ring) GS mass	0.81 kg
Brand	NTN

Product performance

Ca	243 kN
C0a	795 kN
Nlim (grease)	480 rpm
Nlim (oil)	1,900 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	8.31 Hz
Characteristic outer ring frequency, BPF0	9 Hz
Characteristic inner ring frequency, BPFI	9 Hz

Abutment dimensions

da min	139 mm
Db max	109 mm
ras max	1 mm