



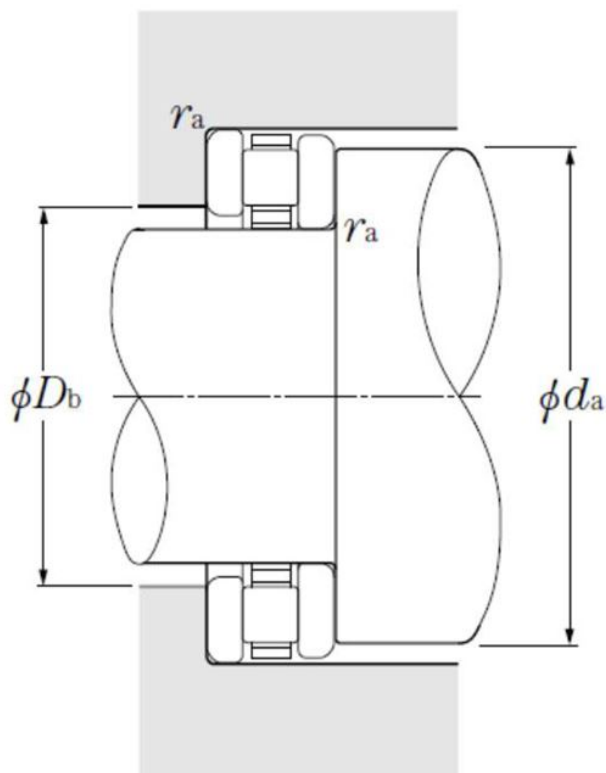
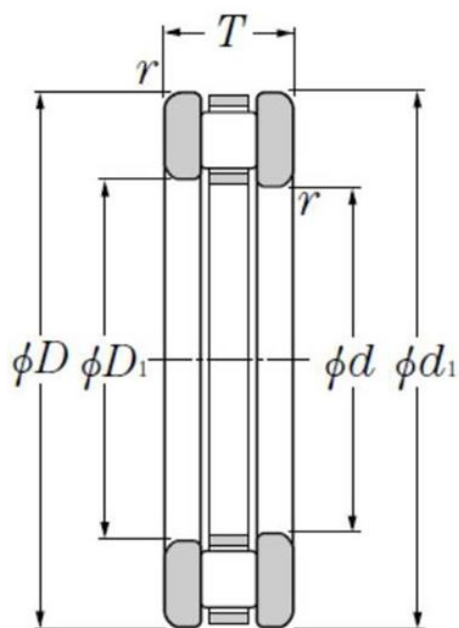
Technical datasheet

81218J

Complete thrust bearing

Needle roller bearing, thrust cylindrical roller bearing, 812 series

Visual(s)



Product definition

d	90 mm
D	135 mm
d1	135 mm
D1	93 mm
T	35 mm
Dc1	90 mm
Dc	135 mm
Dw	14 mm
Lw	14 mm
rs min	1.1 mm
Cage assembly reference	K81218J
Bearing ring (inner ring) WS	WS81218
Bearing ring (outer ring) GS	GS81218
Ea	126.7 mm
Eb	97.9 mm
Mass	1.82 kg
Cage assembly mass	0.54 kg
Bearing ring (inner ring) WS mass	0.64 kg
Bearing ring (outer ring) GS mass	0.64 kg
Brand	NTN

Product performance

Ca	213 kN
C0a	680 kN
Nlim (grease)	530 rpm
Nlim (oil)	2,100 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	8.02 Hz
Characteristic outer ring frequency, BPF0	8.5 Hz
Characteristic inner ring frequency, BPFI	8.5 Hz

Abutment dimensions

da min	126 mm
Db max	97 mm
ras max	1 mm