

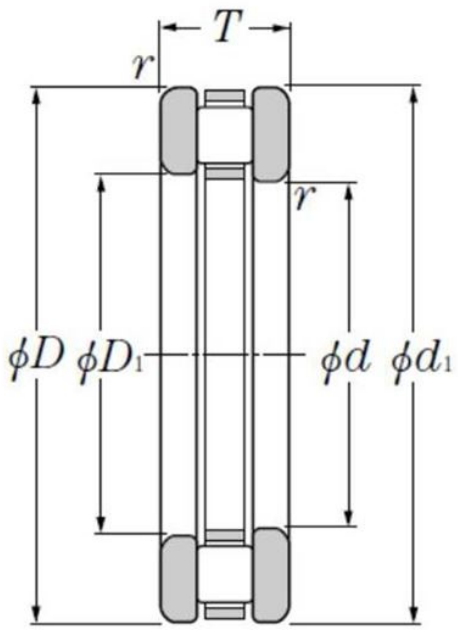
Technical data

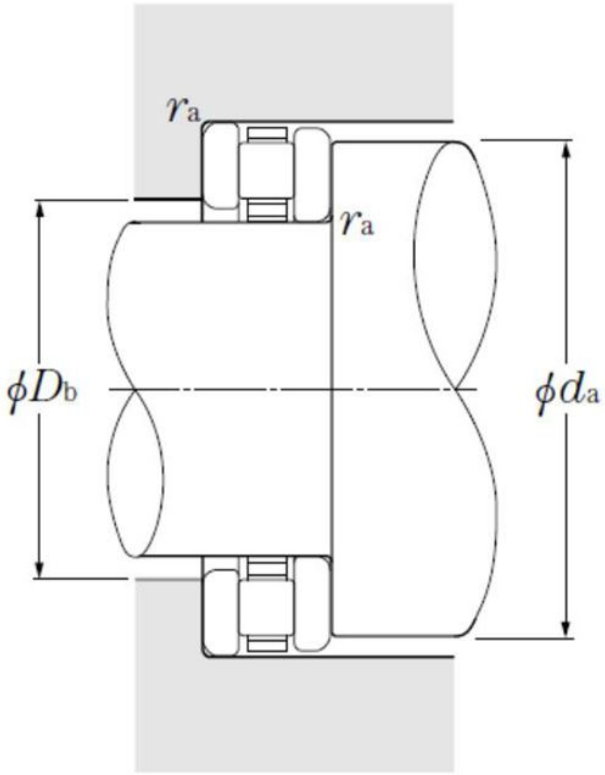
81224

Complete thrust bearing

Needle roller bearing, thrust cylindrical roller bearing, 812 series

Visual(s)





Product definition

d	120 mm
D	170 mm
d1	170 mm
D1	123 mm
T	39 mm
Dc1	120 mm
Dc	170 mm
Dw	15 mm
Lw	15 mm
rs min	1.1 mm
Cage assembly reference	K81224
Bearing ring (inner ring) WS	WS81224
Bearing ring (outer ring) GS	GS81224
Ea	160 mm
Eb	129.2 mm
Mass	2.69 kg
Cage assembly mass	0.73 kg
Bearing ring (inner ring) WS mass	0.98 kg
Bearing ring (outer ring) GS mass	0.98 kg
Brand	NTN

Product performance

Ca	264 kN
C0a	930 kN
Nlim (grease)	430 Tr/min
Nlim (oil)	1,700 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	9.64 Hz
Characteristic outer ring frequency, BPF0	10.5 Hz
Characteristic inner ring frequency, BPFI	10.5 Hz

Abutment dimensions

da min	159 mm
Db max	129 mm
ras max	1 mm