



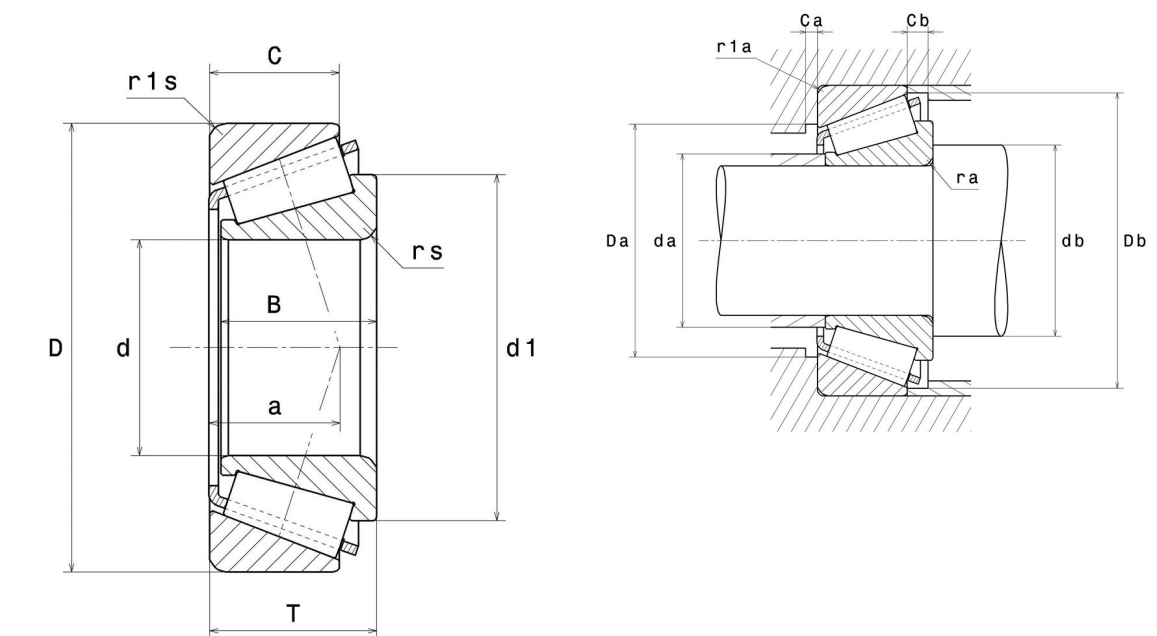
Technical data

4T-LL639249/LL639210

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

Visual(s)



Product definition

d	196.85 mm
D	241.3 mm
B	23.02 mm
C	17.46 mm
T	23.81 mm
d1	218.5 mm
a	41.11 mm
e	0.42
Y2	1.44
Y0	0.79
Mass	2.07 kg
Brand	NTN

Product performance

Dynamic load, C	160 kN
Rating life coefficient, A2	1.4
Static load, C0	330 kN
Fatigue limit load, Cu	31.8 kN
Nlim (oil)	1,600 Tr/min
Nlim (grease)	1,200 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.48 Hz
Characteristic rolling element frequency, BSF	19.49 Hz
Characteristic outer ring frequency, BPF0	23.77 Hz
Characteristic inner ring frequency, BPFI	26.23 Hz

Abutment dimensions

ra max	1.5 mm
r1a max	1.5 mm

Calculation factors

Equivalent dynamic radial load

$$P = X.F_r + Y.F_a$$

$F_a / F_r \leq e$		$F_a / F_r > e$	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

$$P_0 = X_0.F_r + Y_0.F_a$$

X_0	Y_0
0.5	Y0

If $P_0 \leq F_r$, then use $P_0 = F_r$

The values for e, Y2 and Y0 are shown in the above table