Technical datasheet

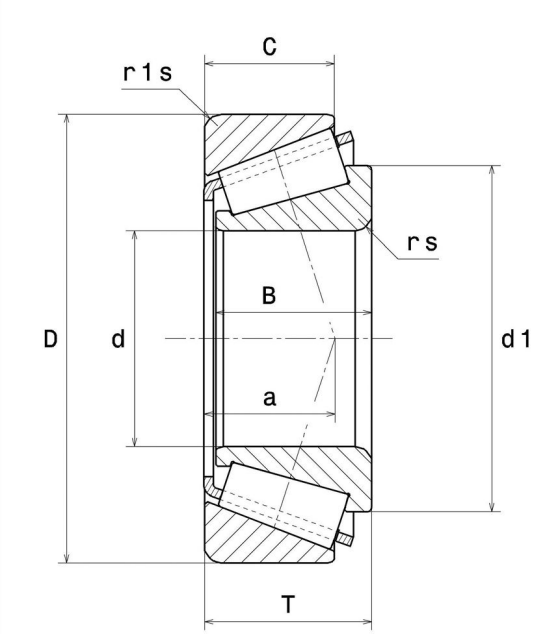
4T-LL225749/LL225710

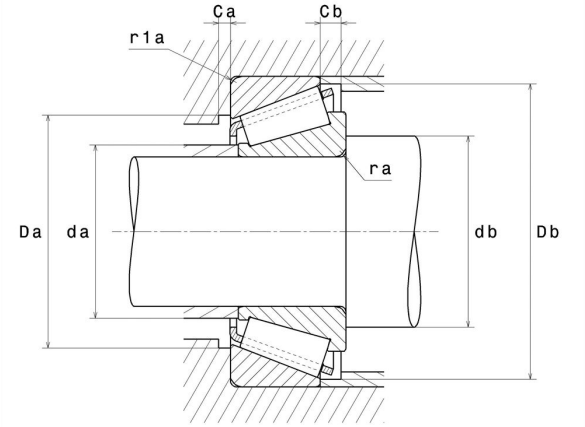
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	127 mm
D	165.9 mm
B	17.46 mm
C	13.5 mm
T	18.26 mm
a	24.4 mm
rs min	1.57 mm
r1s min	1.57 mm
e	0.33
Y2	1.8
Y0	0.99
Mass	0.92 kg
Brand	NTN

Product performance

Dynamic load, C	81.5 kN
Rating life coefficient, A2	1.4
Static load, C0	144 kN
Nlim (oil)	2,500 rpm
Nlim (grease)	1,900 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.47 Hz
Characteristic rolling element frequency, BSF	16.71 Hz
Characteristic outer ring frequency, BPF0	19.78 Hz
Characteristic inner ring frequency, BPFI	22.22 Hz

Abutment dimensions

ra max	1.5 mm
r1a max	1.5 mm

Calculation factors

Equivalent dynamic radial load

$P = X.Fr + Y.Fa$

$Fa/Fr \leq e$		$Fa/Fr > e$	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

$Po = Xo.Fr + Yo.Fa$

X_0	Y_0
0.5	Y0

If $Po < Fr$, then use $Po = Fr$

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