Technical data

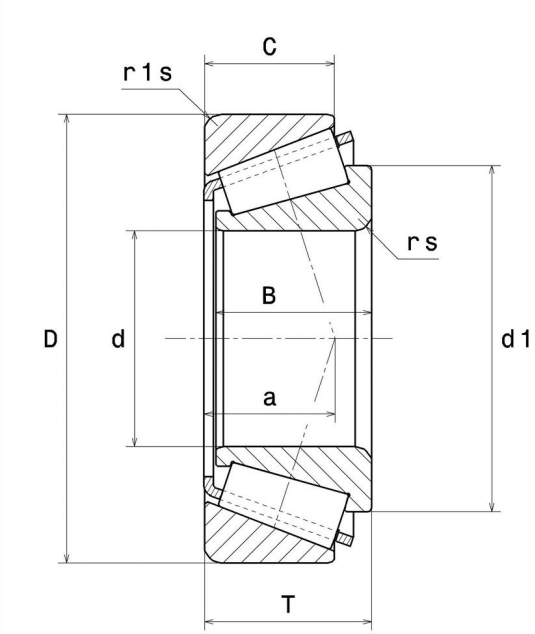
4T-JHM534149/JHM534110PK

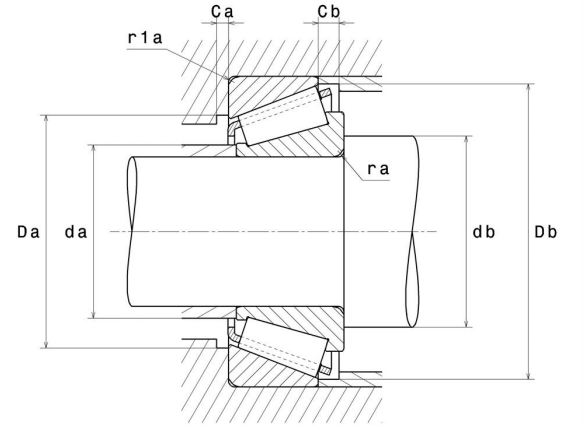
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	170 mm
D	230 mm
B	38 mm
C	31 mm
T	39 mm
a	43.7 mm
rs min	3 mm
r1s min	2.5 mm
e	0.38
Y2	1.57
Y0	0.86
Mass	4.32 kg
Brand	NTN

Product performance

Dynamic load, C	282 kN
Rating life coefficient, A2	1.4
Static load, C0	520 kN
Nlim (oil)	1,800 Tr/min
Nlim (grease)	1,400 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	12.88 Hz
Characteristic outer ring frequency, BPF0	14.81 Hz
Characteristic inner ring frequency, BPFI	17.19 Hz

Abutment dimensions

ra max	3 mm
r1a max	2.5 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