Technical data

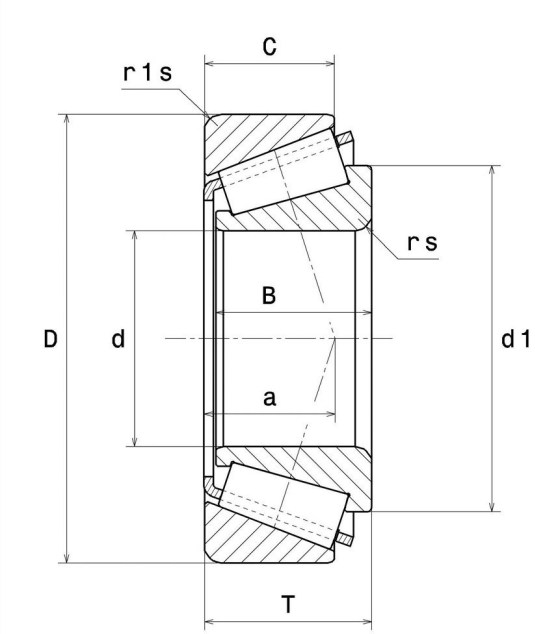
4T-17887/17831

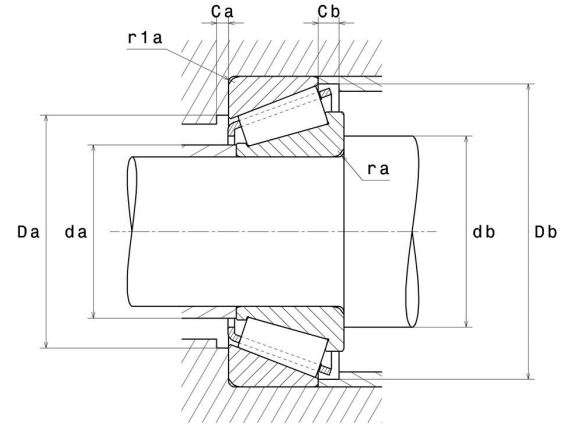
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	45.23 mm
D	79.98 mm
B	20.64 mm
C	15.08 mm
T	19.84 mm
a	16.2 mm
rs min	2 mm
r1s min	1.3 mm
e	0.37
Y2	1.64
Y0	0.9
Mass	0.4 kg
Brand	NTN

Product performance

Dynamic load, C	59.5 kN
Rating life coefficient, A2	1.4
Static load, C0	75.5 kN
Nlim (oil)	7,200 Tr/min
Nlim (grease)	5,400 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

ra max	2 mm
r1a max	1.3 mm

Calculation factors

Equivalent dynamic radial load

$P = X.Fr + Y.Fa$

Fa / Fr ≤ 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