Technical data

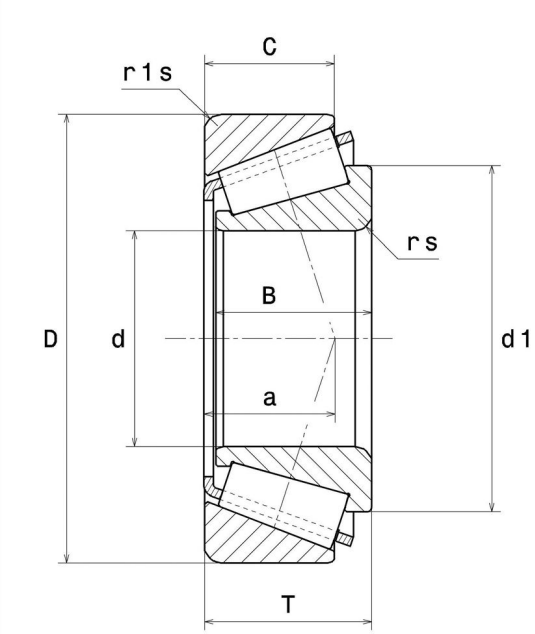
32084

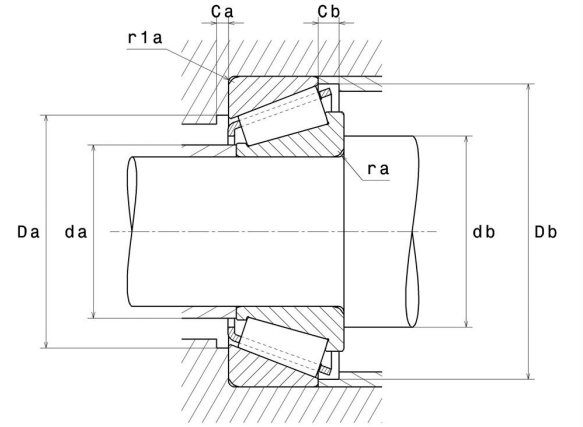
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)





Product definition

d	420 mm
D	620 mm
B	118 mm
C	100 mm
T	125 mm
d1	518 mm
a	120 mm
rs min	6 mm
r1s min	5 mm
e	0.37
Y2	1.6
Y0	0.88
Mass	121 kg
Brand	NTN

Product performance

Dynamic load, C	2,280 kN
Rating life coefficient, A2	1
Static load, C0	4,550 kN
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	10.41 Hz
Characteristic outer ring frequency, BPF0	12.71 Hz
Characteristic inner ring frequency, BPFI	15.29 Hz

Abutment dimensions

da max	455.5 mm
db min	422 mm
Da max	549 mm
Db min	598 mm
Ca min	6.5 mm
Cb min	25 mm
ra max	4 mm
r1a max	4 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