Technical data

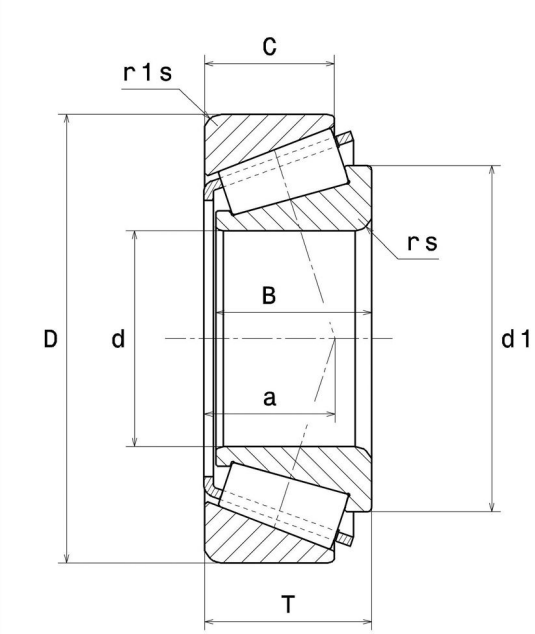
32921XA

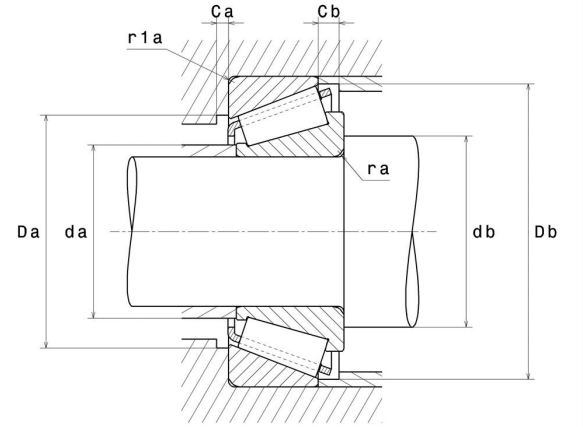
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	105 mm
D	145 mm
B	25 mm
C	20 mm
T	25 mm
a	25 mm
rs min	1.5 mm
r1s min	1.5 mm
e	0.34
Y2	1.76
Y0	0.97
Mass	1.2 kg
Brand	NTN

Product performance

Dynamic load, C	126 kN
Rating life coefficient, A2	1
Static load, C0	219 kN
Nlim (oil)	3,000 Tr/min
Nlim (grease)	2,300 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	12.81 Hz
Characteristic outer ring frequency, BPF0	15.72 Hz
Characteristic inner ring frequency, BPFI	18.28 Hz

Abutment dimensions

da max	113.5 mm
db min	113.5 mm
Da min	131.5 mm
Da max	136.5 mm
Db min	140.5 mm
Ca min	5 mm
Cb min	5 mm
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