Technical data

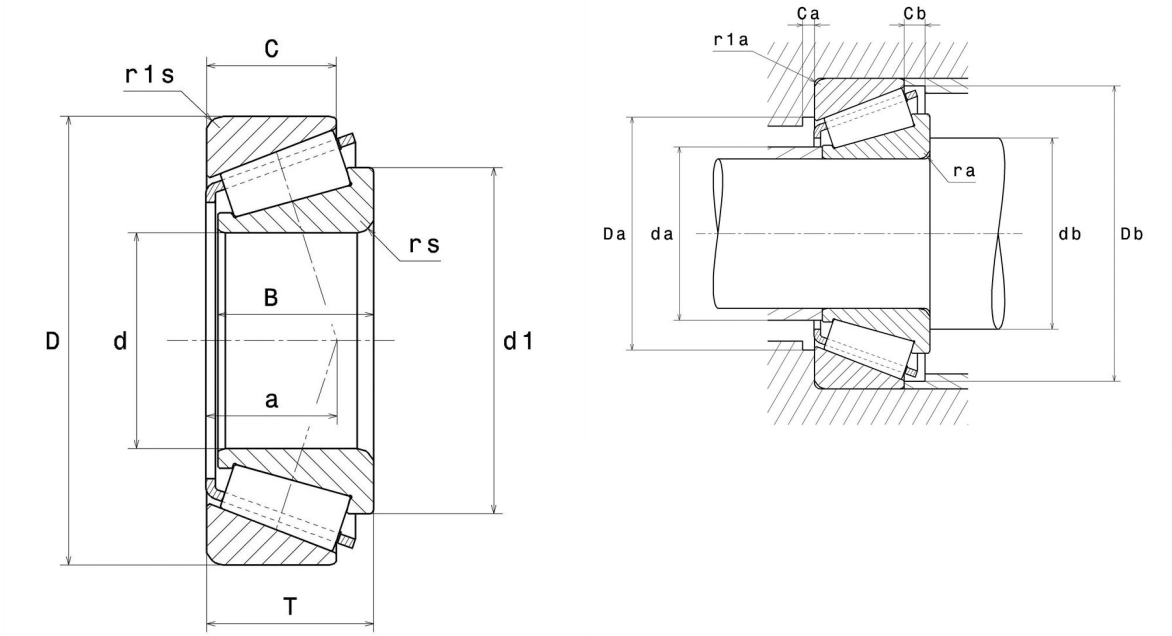
32021XU

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)



Product definition

d	105 mm
D	160 mm
B	35 mm
C	26 mm
T	35 mm
d1	133.5 mm
a	34.5 mm
rs min	2.5 mm
r1s min	2 mm
e	0.44
Y2	1.35
Y0	0.74
Mass	2.42 kg
ISO 355 reference	T4DC105
Brand	NTN

Product performance

Dynamic load, C	201 kN
Rating life coefficient, A2	1
Static load, C0	335 kN
Fatigue limit load, Cu	37.5 kN
Nlim (oil)	2,800 Tr/min
Nlim (grease)	2,100 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	10.13 Hz
Characteristic outer ring frequency, BPF0	12.69 Hz
Characteristic inner ring frequency, BPFI	15.31 Hz

Abutment dimensions

da max	116 mm
db min	117 mm
Da min	143 mm
Da max	150 mm
Db min	154 mm
Ca min	6 mm
Cb min	9 mm
ra max	2 mm
r1a max	2 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