Technical data

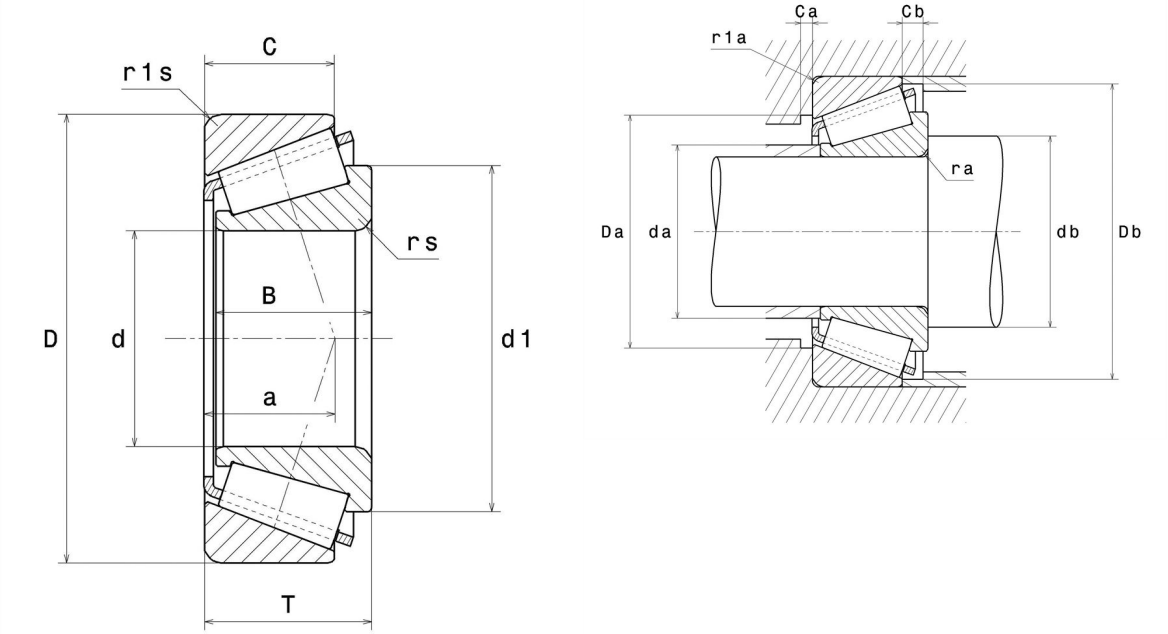
30330U

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)



Product definition

d	150 mm
D	320 mm
B	65 mm
C	55 mm
T	72 mm
d1	225 mm
a	61 mm
rs min	5 mm
r1s min	4 mm
e	0.35
Y2	1.74
Y0	0.96
Mass	25.5 kg
ISO 355 reference	T2GB150
Brand	NTN

Product performance

Dynamic load, C	825 kN
Rating life coefficient, A2	1
Static load, C0	1,070 kN
Fatigue limit load, Cu	101 kN
Nlim (oil)	1,600 Tr/min
Nlim (grease)	1,200 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.38 Hz
Characteristic outer ring frequency, BPF0	6.6 Hz
Characteristic inner ring frequency, BPFI	9.4 Hz

Abutment dimensions

da max	193 mm
db min	172 mm
Da min	269 mm
Da max	302 mm
Db min	292 mm
Ca min	8 mm
Cb min	17 mm
ra max	4 mm
r1a max	3 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