Technical data

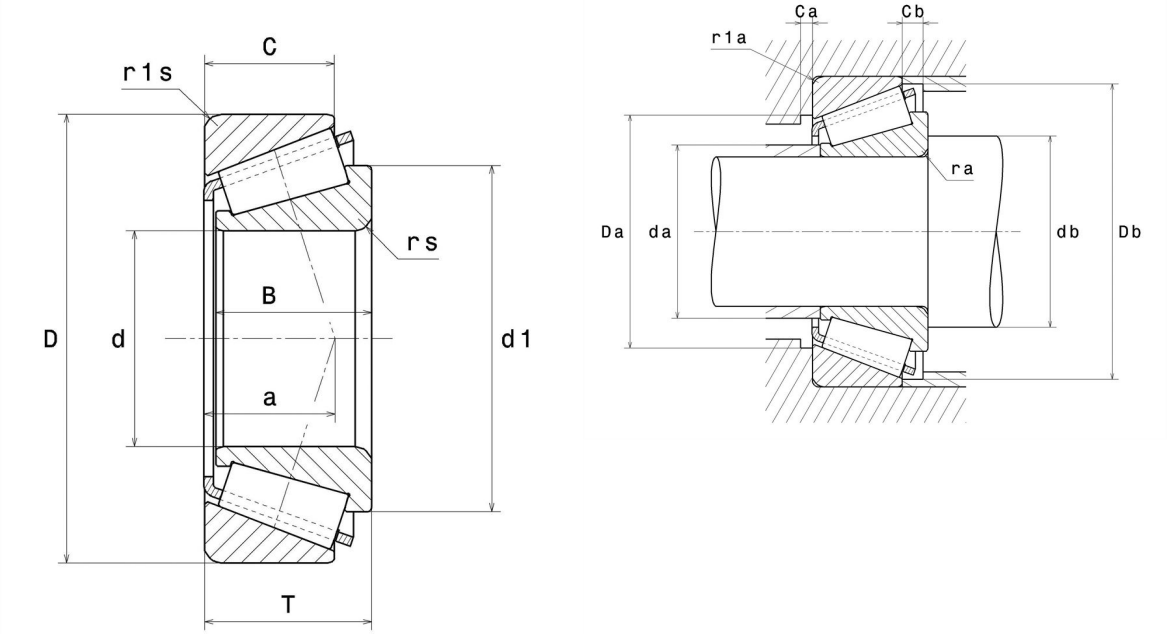
30230U

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)



Product definition

d	150 mm
D	270 mm
B	45 mm
C	38 mm
T	49 mm
d1	203.5 mm
a	51.5 mm
rs min	4 mm
r1s min	3 mm
e	0.44
Y2	1.38
Y0	0.76
Mass	11.2 kg
ISO 355 reference	T4GB150
Brand	NTN

Product performance

Dynamic load, C	450 kN
Rating life coefficient, A2	1
Static load, C0	605 kN
Fatigue limit load, Cu	59.2 kN
Nlim (oil)	1,700 Tr/min
Nlim (grease)	1,300 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.89 Hz
Characteristic outer ring frequency, BPF0	8.2 Hz
Characteristic inner ring frequency, BPFI	10.8 Hz

Abutment dimensions

da max	175 mm
db min	168 mm
Da min	234 mm
Da max	256 mm
Db min	255 mm
Ca min	7 mm
Cb min	11 mm
ra max	3 mm
r1a max	2.5 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