Technical data

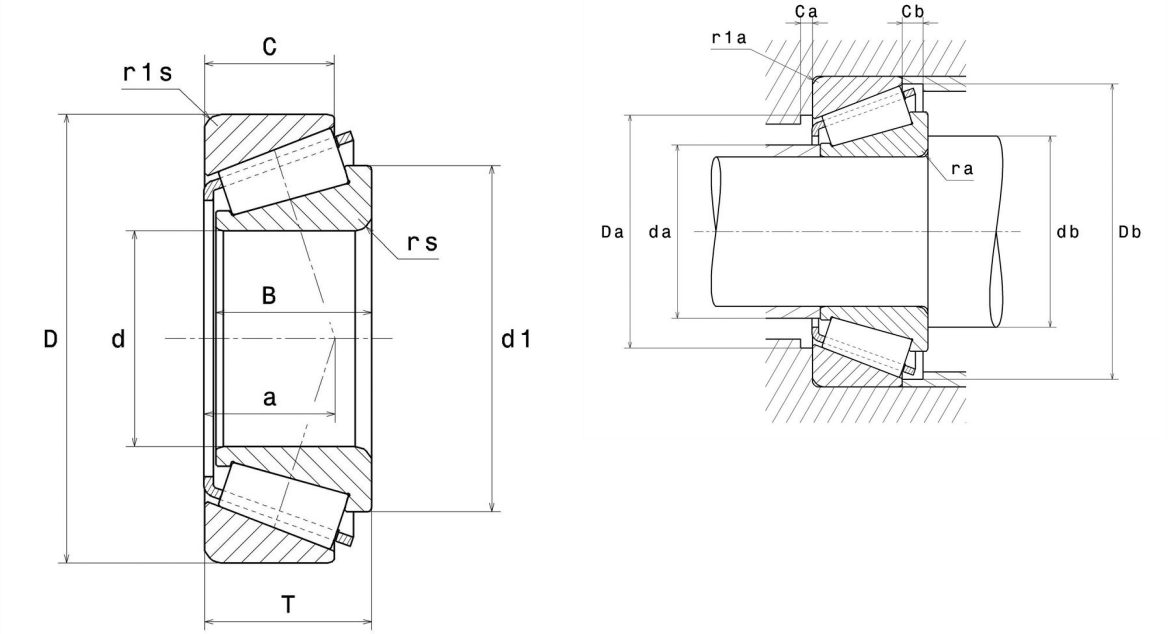
32030XU

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)



Product definition

d	150 mm
D	225 mm
B	48 mm
C	36 mm
T	48 mm
d1	189 mm
a	49.5 mm
rs min	3 mm
r1s min	2.5 mm
e	0.46
Y2	1.31
Y0	0.72
Mass	6.37 kg
ISO 355 reference	T4EC150
Brand	NTN

Product performance

Dynamic load, C	370 kN
Rating life coefficient, A2	1
Static load, C0	655 kN
Fatigue limit load, Cu	66.1 kN
Nlim (oil)	1,900 Tr/min
Nlim (grease)	1,400 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	10.46 Hz
Characteristic outer ring frequency, BPF0	13.64 Hz
Characteristic inner ring frequency, BPFI	16.36 Hz

Abutment dimensions

da max	164 mm
db min	164 mm
Da min	200 mm
Da max	213 mm
Db min	216 mm
Ca min	8 mm
Cb min	12 mm
ra max	2.5 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