Technical data

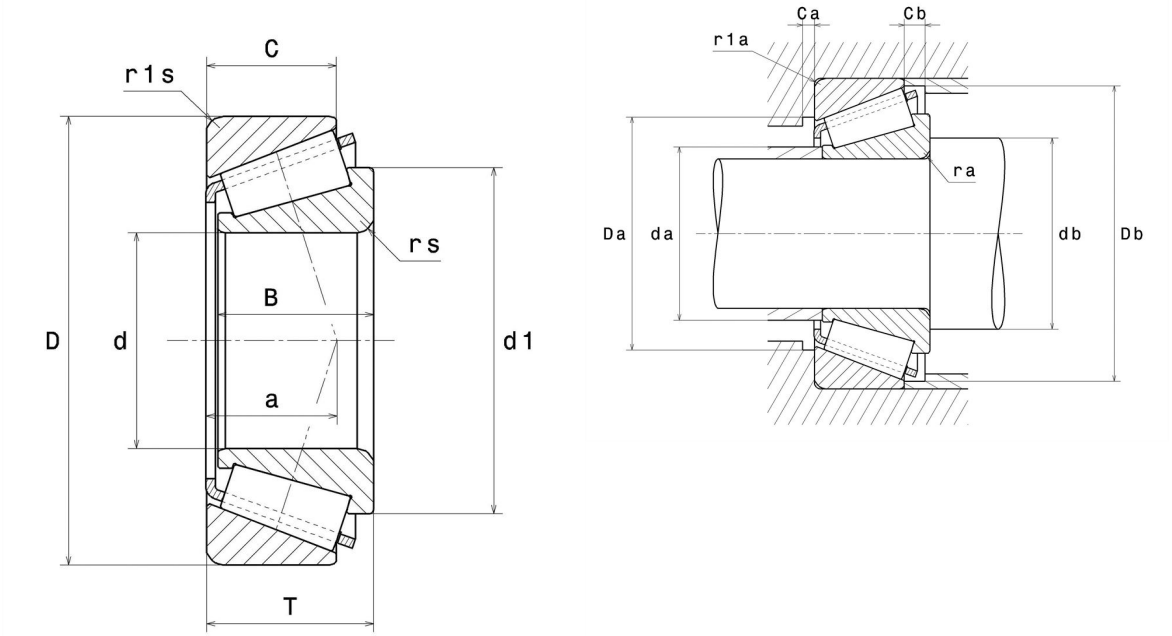
32032XU

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)



Product definition

d	160 mm
D	240 mm
B	51 mm
C	38 mm
T	51 mm
d1	202.5 mm
a	52.5 mm
rs min	3 mm
r1s min	2.5 mm
e	0.46
Y2	1.31
Y0	0.72
Mass	7.8 kg
ISO 355 reference	T4EC160
Brand	NTN

Product performance

Dynamic load, C	435 kN
Rating life coefficient, A2	1
Static load, C0	790 kN
Fatigue limit load, Cu	78.2 kN
Nlim (oil)	1,800 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	10.47 Hz
Characteristic outer ring frequency, BPF0	13.64 Hz
Characteristic inner ring frequency, BPFI	16.36 Hz

Abutment dimensions

da max	175 mm
db min	174 mm
Da min	213 mm
Da max	228 mm
Db min	231 mm
Ca min	8 mm
Cb min	13 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