Technical data

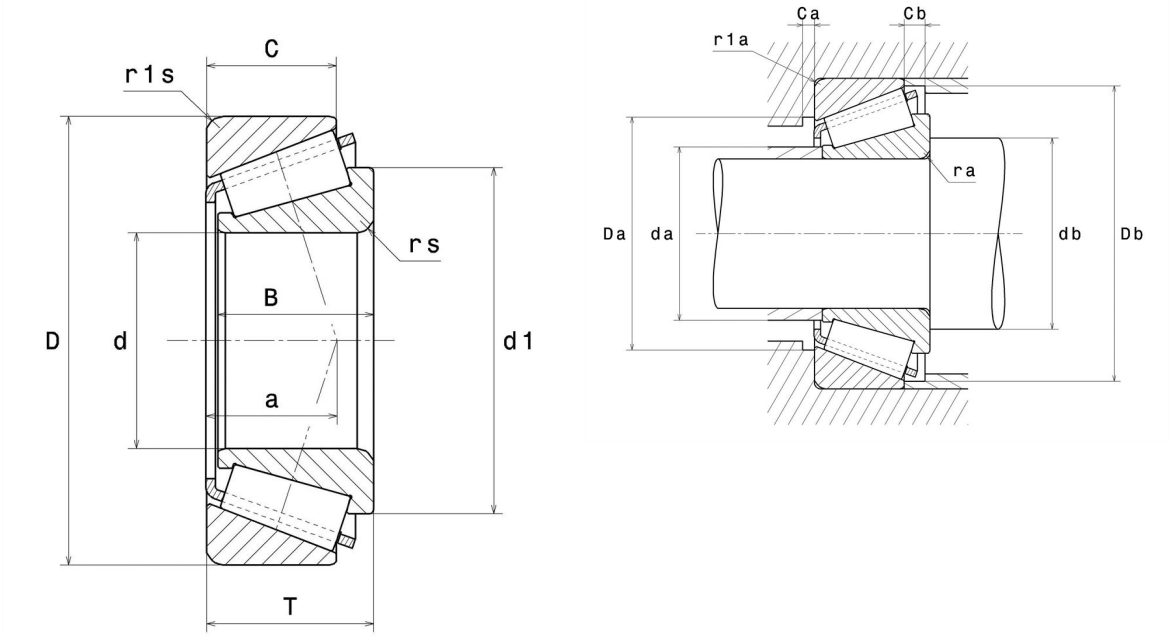
33022U

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)



Product definition

d	110 mm
D	170 mm
B	47 mm
C	37 mm
T	47 mm
a	33.5 mm
rs min	2 mm
r1s min	2 mm
e	0.29
Y2	2.09
Y0	1.15
Mass	3.8 kg
ISO 355 reference	T2DE110
Brand	NTN

Product performance

Dynamic load, C	288 kN
Rating life coefficient, A2	1
Static load, C0	500 kN
Nlim (oil)	2,700 Tr/min
Nlim (grease)	2,000 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

da max	122 mm
db min	121 mm
Da max	160 mm
Db min	161 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