Technical data

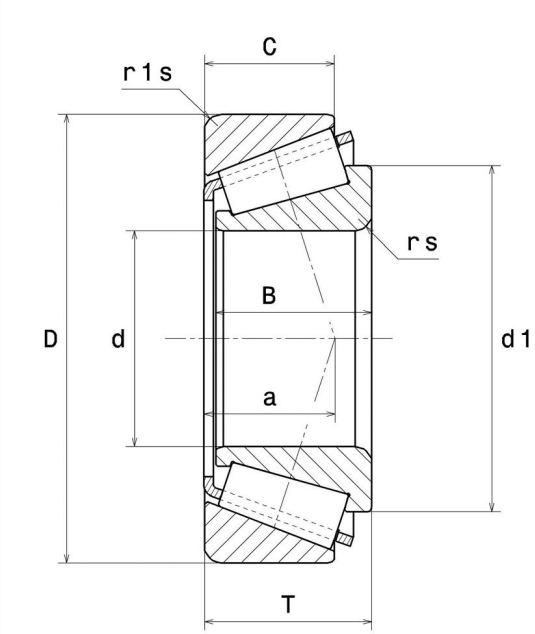
32922XA

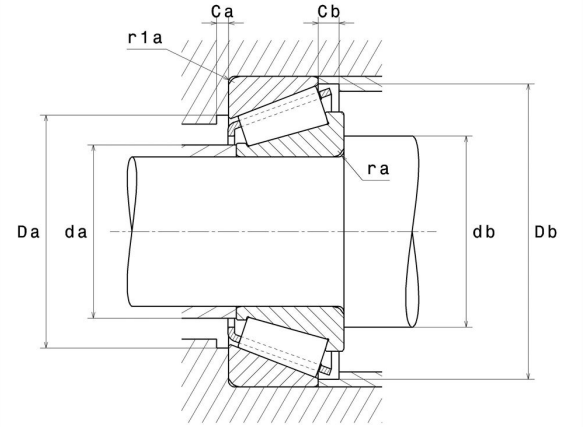
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)





Product definition

d	110 mm
D	150 mm
B	25 mm
C	20 mm
T	25 mm
a	26.5 mm
rs min	1.5 mm
r1s min	1.5 mm
e	0.36
Y2	1.69
Y0	0.93
Mass	1.23 kg
Brand	NTN

Product performance

Dynamic load, C	127 kN
Rating life coefficient, A2	1
Static load, C0	226 kN
Nlim (oil)	2,900 Tr/min
Nlim (grease)	2,200 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	13.35 Hz
Characteristic outer ring frequency, BPF0	16.23 Hz
Characteristic inner ring frequency, BPFI	18.77 Hz

Abutment dimensions

da max	118.5 mm
db min	118.5 mm
Da min	136.5 mm
Da max	141.5 mm
Db min	146 mm
Ca min	5 mm
Cb min	5 mm
ra max	1.5 mm
r1a max	1.5 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