Technical data

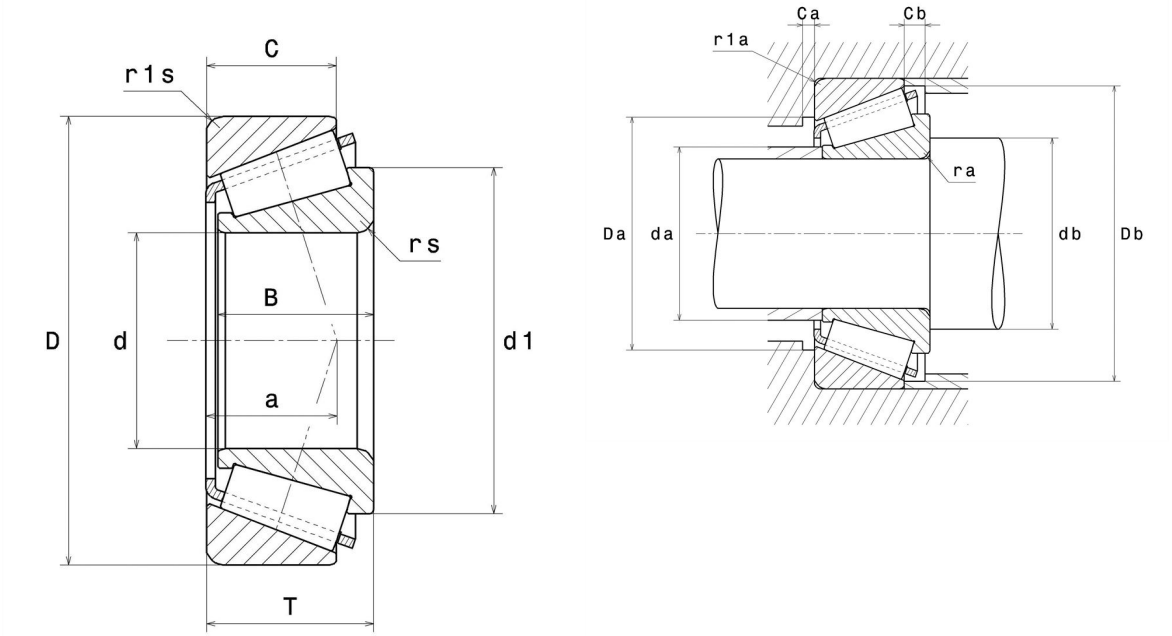
32928XU

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)



Product definition

d	140 mm
D	190 mm
B	32 mm
C	25 mm
T	32 mm
d1	165 mm
a	34 mm
rs min	2 mm
r1s min	1.5 mm
e	0.36
Y2	1.67
Y0	0.92
Mass	2.51 kg
ISO 355 reference	T2CC140
Brand	NTN

Product performance

Dynamic load, C	200 kN
Rating life coefficient, A2	1
Static load, C0	375 kN
Fatigue limit load, Cu	39.3 kN
Nlim (oil)	2,200 Tr/min
Nlim (grease)	1,700 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	13.56 Hz
Characteristic outer ring frequency, BPF0	16.72 Hz
Characteristic inner ring frequency, BPFI	19.28 Hz

Abutment dimensions

da max	150 mm
db min	150 mm
Da min	177 mm
Da max	181.5 mm
Db min	184 mm
Ca min	6 mm
Cb min	6 mm
ra max	2 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