



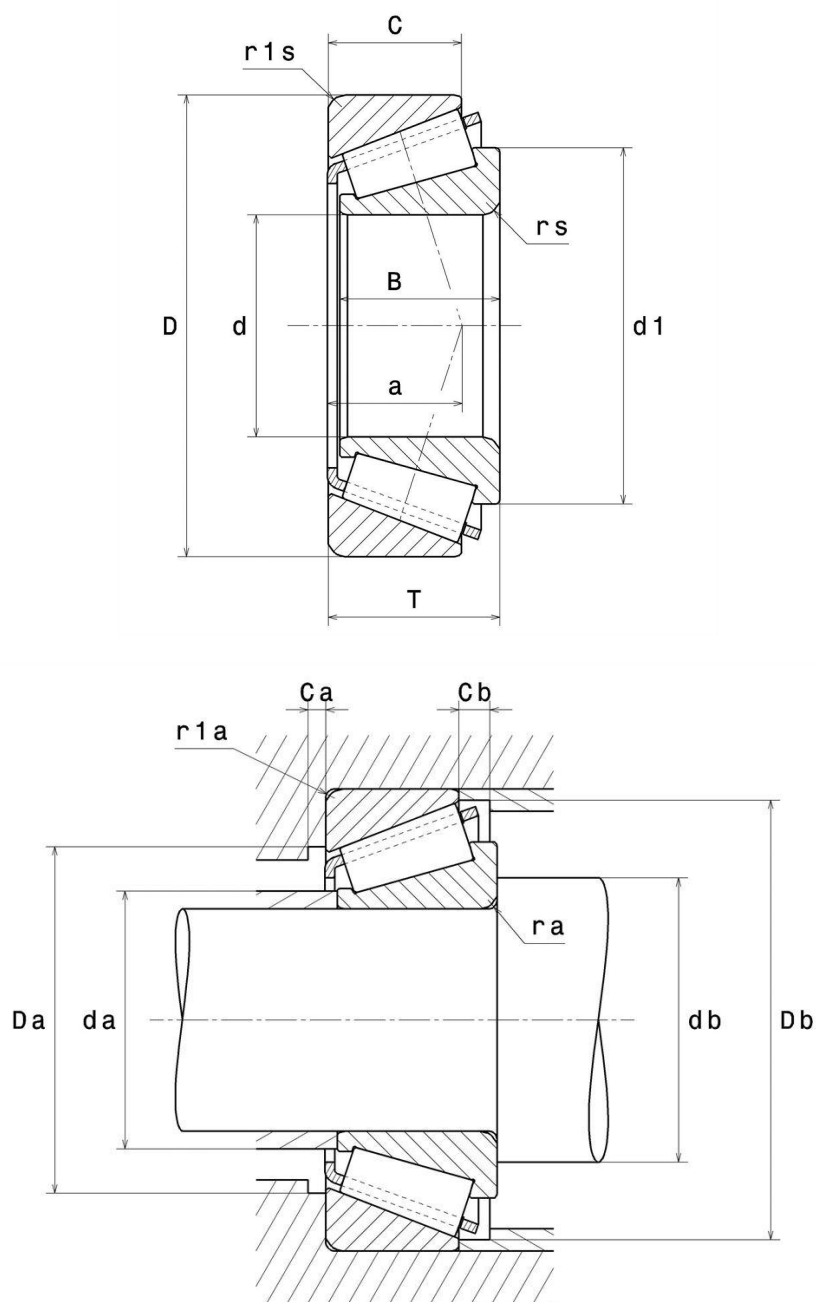
**Technical data**

**4T-30313**

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

**VISUAL (S)**



# 4T-30313

Single row tapered roller bearings

## PRODUCT DIMENSIONS

Internal diameter d	65 mm
External diameter D	140 mm
Bearing/Inner ring width(B)	33 mm
Outer ring width (C )	28 mm
Total width (T)	36 mm
External diameter inner ring d1	100,5 mm
Charge load application point a	28,5 mm
Min fillet radius rs	3 mm
Min fillet radius r1s	2,5 mm
Coef e	0.35
Upper axial load coef (Y2)	1.74
Static axial load coef (Y0)	0.96
Mass	2,55 kg
ISO 355 reference	T2GB065
Brand	NTN

## PRODUCT PERFORMANCE

Dynamic load, C	203 kN
Rating life coefficient, A2	1.0
Static load, C0	238 kN
Fatigue limit load, Cu	28,6 kN
Nlim (oil)	3700 tr/min
Nlim (grease)	2800 tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.411 Hz
Characteristic rolling element frequency, BSF	5.271 Hz
Characteristic outer ring frequency, BPF0	6.568 Hz
Characteristic inner ring frequency, BPF1	9.432 Hz

## ABUTMENT

Max shoulder diameter IR da max	83 mm
Min IR shoulder diameter (db min)	79 mm

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Min shoulder diameter OR Da min	122 mm
Max shoulder diameter OR Da max	128 mm
Min OR shoulder diameter Db min	130 mm
Min clearance Ca	4 mm
Min clearance Cb	8 mm
Max fillet radius ra max	2,5 mm
Maxi fillet radius r1a	2 mm

## INDUSTRY CALCUL FACTORS

### Equivalent dynamic radial load

$$P = X.Fr + Y.Fa$$

Fa / Fr ≤ e		Fa / Fr > e	
X	Y	X	Y
1	0	0.4	Y2

### Equivalent static radial load

$$Po = Xo.Fr + Yo.Fa$$

Xo	Yo
0.5	Yo

If  $Po < Fr$ , then use  $Po = Fr$

The values for e, Y2 and Yo are shown in the above table