



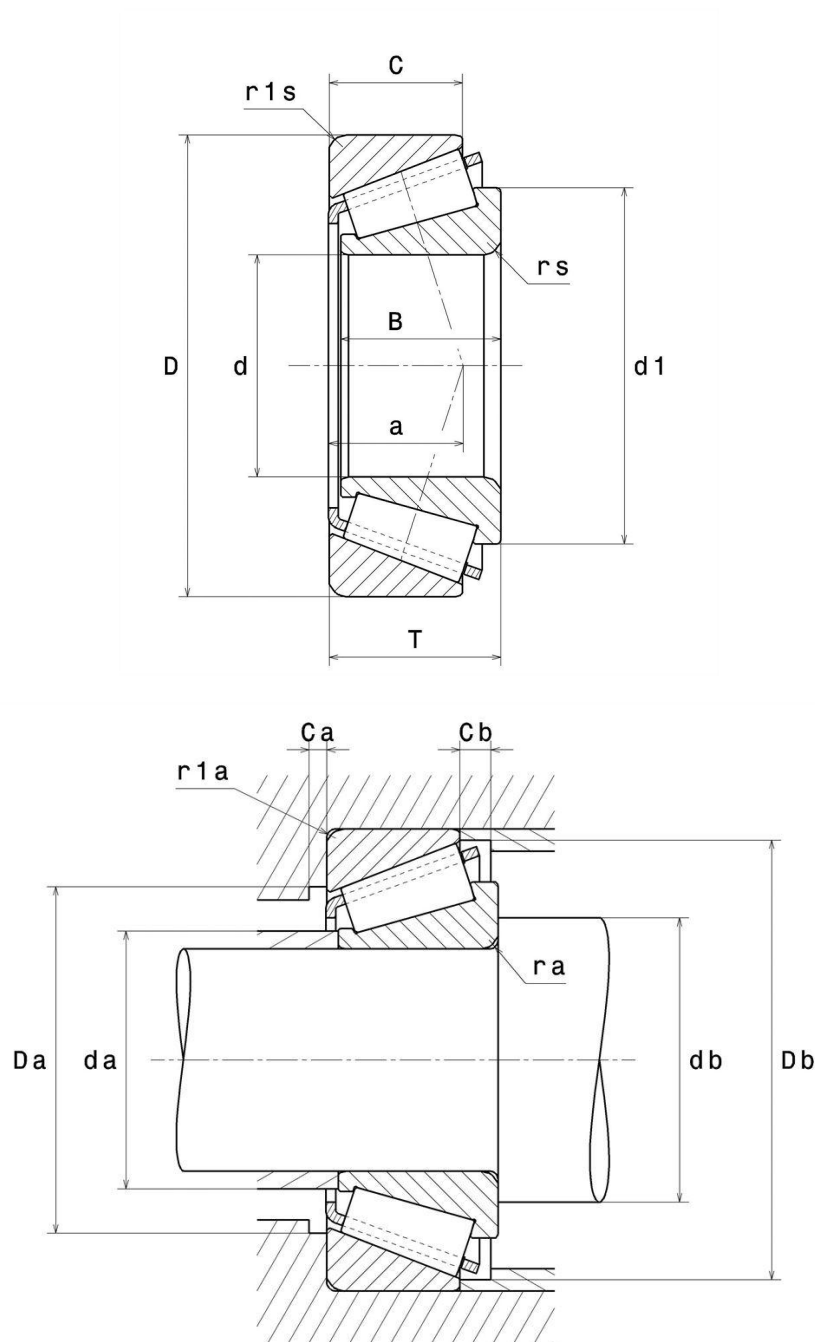
Technical data

4T-32006X

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

VISUAL (S)



4T-32006X

Single row tapered roller bearings

PRODUCT DIMENSIONS

Internal diameter (d)	30 mm
External diameter (D)	55 mm
Bearing/Inner ring width (B)	17 mm
Outer ring width (C)	13 mm
Total width (T)	17 mm
External diameter inner ring d1	43,4 mm
Charge load application point a	13,5 mm
Min fillet radius (rs)	1 mm
Min fillet radius r1s	1 mm
Coef (e)	0.43
Upper axial load coef (Y2)	1.39
Static axial load coef (Y0)	0.77
Mass	0,172 kg
ISO 355 reference	T4CC030
Brand	NTN

PRODUCT PERFORMANCE

Dynamic load (C)	41,5 kN
Rating life coefficient, A2	1.0
Static load (C0)	46 kN
Fatigue limit load (Cu)	5,6 kN
Nlim (oil)	9200 tr/min
Nlim (grease)	6900 tr/min
Min operating temperature (Tmin)	-40 °C

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PRODUCT PERFORMANCE

Max operating temperature (Tmax)	120 °C
Characteristic cage frequency, FTF	0.434 Hz
Characteristic rolling element frequency, BSF	7.164 Hz
Characteristic outer ring frequency, BPF0	8.682 Hz
Characteristic inner ring frequency, BPFI	11.319 Hz

ABUTMENT

Max shoulder diameter IR (da max)	35 mm
Min IR shoulder diameter (db min)	35,5 mm
Min shoulder diameter OR Da min	48 mm
Max shoulder diameter OR (Da max)	49,5 mm
Min OR shoulder diameter Db min	52 mm
Min clearance Ca	3 mm
Min clearance Cb	4 mm
Max fillet radius ra max	1 mm
Maxi fillet radius r1a	1 mm

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = X.F_r + Y.F_a$$

$F_a / F_r \leq e$		$F_a / F_r > e$	
X	Y	X	Y
1	0	0.4	Y ₂

Equivalent static radial load

$$P_0 = X_0.F_r + Y_0.F_a$$

X_0	Y_0
0.5	Y ₀

If $P_0 \leq F_r$, then use $P_0 = F_r$

The values for e , Y_2 and Y_0 are shown in the above table