



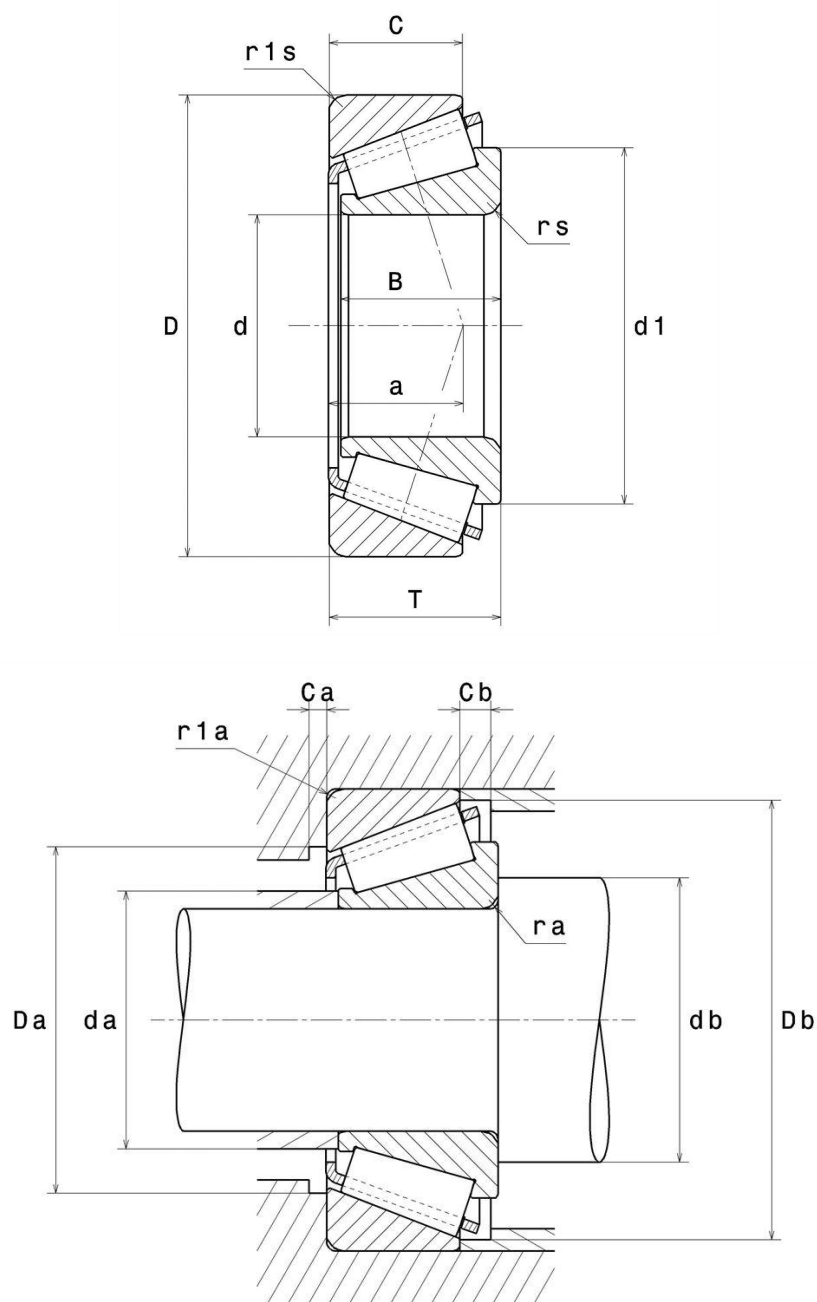
Technical data

4T-32308C

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

VISUAL (S)



4T-32308C

Single row tapered roller bearings

PRODUCT DIMENSIONS

Internal diameter (d)	40 mm
External diameter (D)	90 mm
Bearing/Inner ring width (B)	33 mm
Outer ring width (C)	27 mm
Total width (T)	35,25 mm
External diameter inner ring d1	66,5 mm
Charge load application point a	27,5 mm
Min fillet radius (rs)	2 mm
Min fillet radius r1s	1,5 mm
Coef (e)	0.55
Upper axial load coef (Y2)	1.1
Static axial load coef (Y0)	0.6
Mass	1,1 kg
ISO 355 reference	T5FD040
Brand	NTN

PRODUCT PERFORMANCE

Dynamic load (C)	122 kN
Rating life coefficient, A2	1.0
Static load (C0)	140 kN
Fatigue limit load (Cu)	17,1 kN
Nlim (oil)	5600 tr/min
Nlim (grease)	4200 tr/min
Min operating temperature (Tmin)	-40 °C

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PRODUCT PERFORMANCE

Max operating temperature (Tmax)	120 °C
Characteristic cage frequency, FTF	0.422 Hz
Characteristic rolling element frequency, BSF	5.861 Hz
Characteristic outer ring frequency, BPF0	6.749 Hz
Characteristic inner ring frequency, BPFI	9.251 Hz

ABUTMENT

Max shoulder diameter IR (da max)	48 mm
Min IR shoulder diameter (db min)	50 mm
Min shoulder diameter OR Da min	72 mm
Max shoulder diameter OR (Da max)	81,5 mm
Min OR shoulder diameter Db min	84 mm
Min clearance Ca	3 mm
Min clearance Cb	8 mm
Max fillet radius ra max	2 mm
Maxi fillet radius r1a	1,5 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	Y2

Equivalent static radial load

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

X_0	Y_0
0.5	Y0

If $P_0 < F_r$, then use $P_0 = F_r$

The values for e, Y2 and Y0 are shown in the above table