



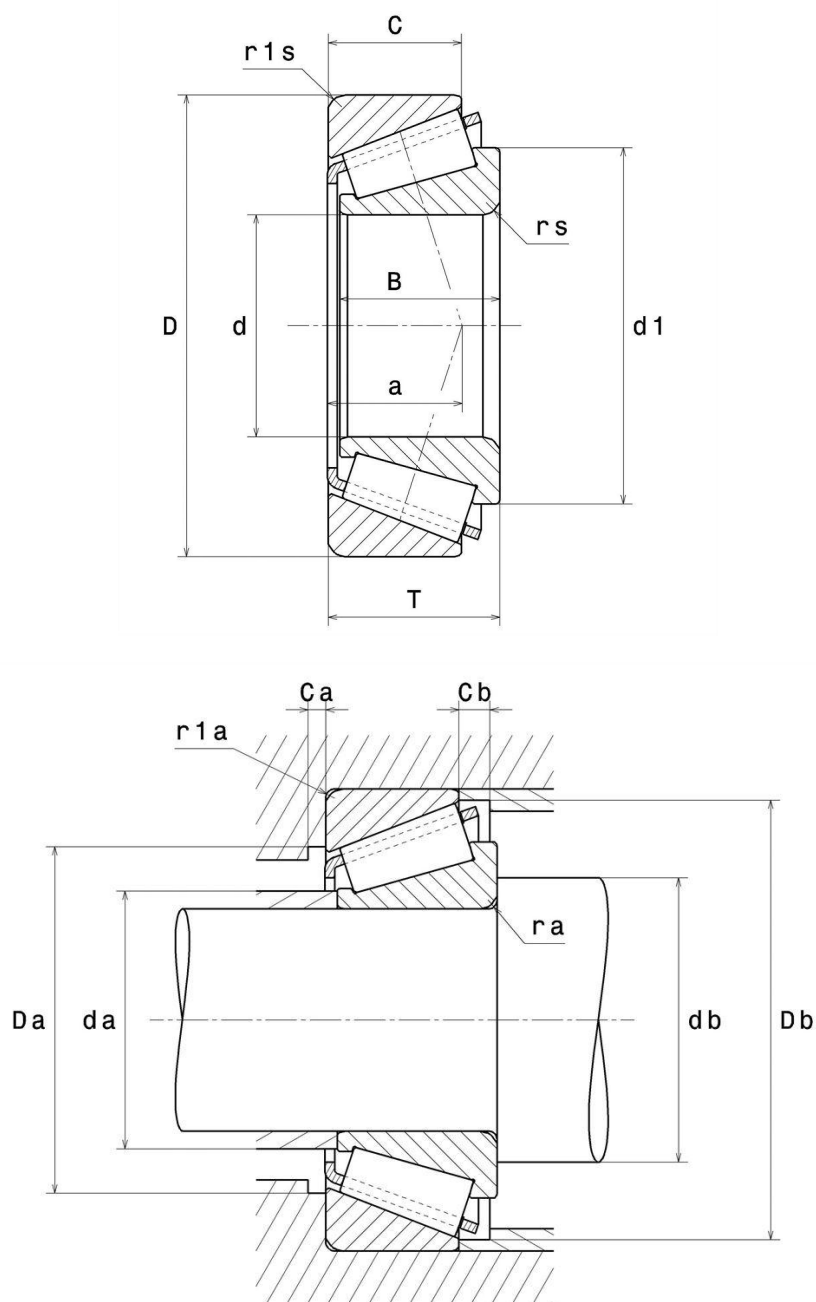
Technical data

32215U

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

VISUAL (S)



32215U

Single row tapered roller bearings

PRODUCT DIMENSIONS

Internal diameter (d)	75 mm
External diameter (D)	130 mm
Bearing/Inner ring width (B)	31 mm
Outer ring width (C)	27 mm
Total width (T)	33,25 mm
External diameter inner ring d1	101,5 mm
Charge load application point a	30 mm
Min fillet radius (rs)	2 mm
Min fillet radius r1s	1,5 mm
Coef (e)	0.44
Upper axial load coef (Y2)	1.38
Static axial load coef (Y0)	0.76
Mass	1,74 kg
ISO 355 reference	T4DC075
Brand	NTN

PRODUCT PERFORMANCE

Dynamic load (C)	186 kN
Rating life coefficient, A2	1.0
Static load (C0)	224 kN
Fatigue limit load (Cu)	27,1 kN
Nlim (oil)	3600 tr/min
Nlim (grease)	2700 tr/min
Min operating temperature (Tmin)	-40 °C

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PRODUCT PERFORMANCE

Max operating temperature (Tmax)	120 °C
Characteristic cage frequency, FTF	0.432 Hz
Characteristic rolling element frequency, BSF	6.893 Hz
Characteristic outer ring frequency, BPF0	8.633 Hz
Characteristic inner ring frequency, BPFI	11.367 Hz

ABUTMENT

Max shoulder diameter IR (da max)	85 mm
Min IR shoulder diameter (db min)	85 mm
Min shoulder diameter OR Da min	114 mm
Max shoulder diameter OR (Da max)	121,5 mm
Min OR shoulder diameter Db min	125 mm
Min clearance Ca	4 mm
Min clearance Cb	6 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	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 $P_0 < F_r$, then use $P_0 = F_r$

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