



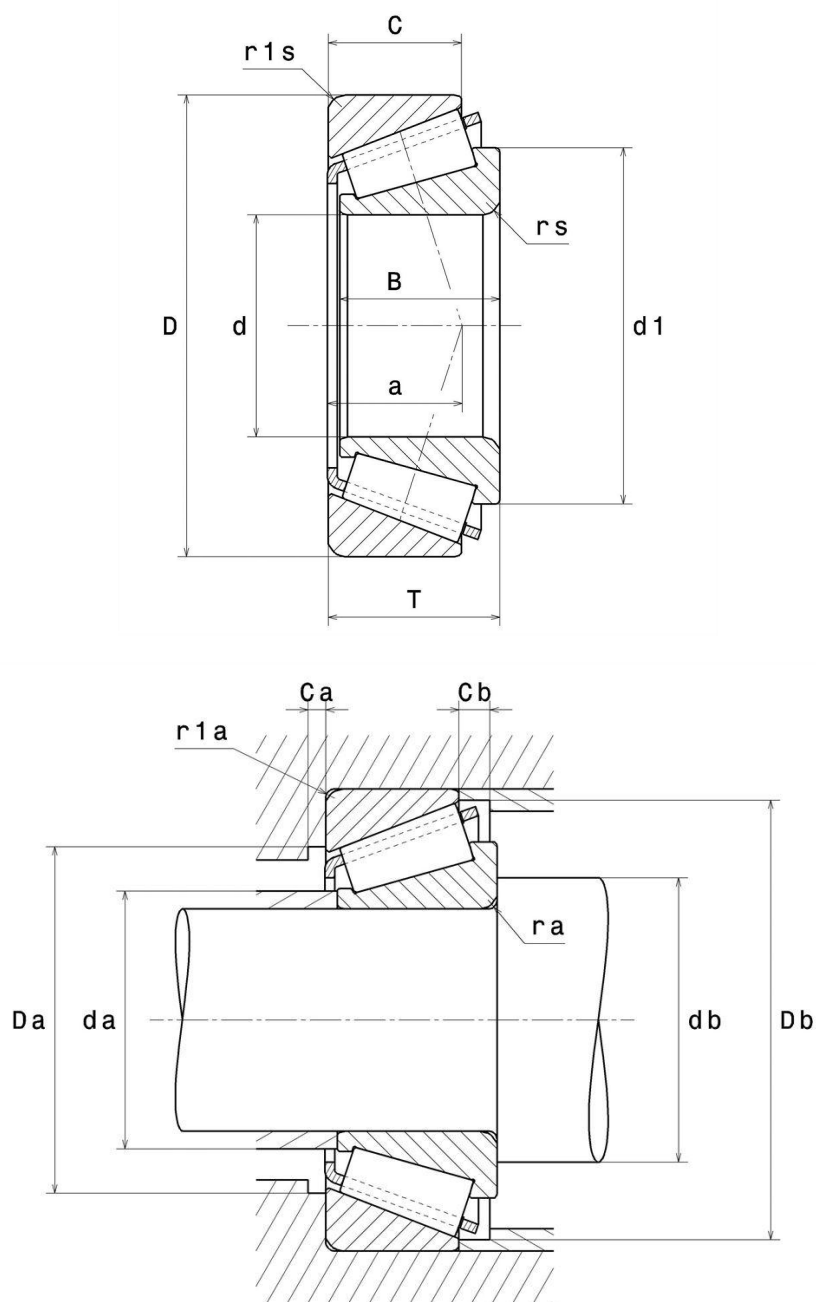
Technical data

32032XU

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

VISUAL (S)



32032XU

Single row tapered roller bearings

PRODUCT DIMENSIONS

Internal diameter (d)	160 mm
External diameter (D)	240 mm
Bearing/Inner ring width (B)	51 mm
Outer ring width (C)	38 mm
Total width (T)	51 mm
External diameter inner ring d1	202,5 mm
Charge load application point a	52,5 mm
Min fillet radius (rs)	3 mm
Min fillet radius r1s	2,5 mm
Coef (e)	0.46
Upper axial load coef (Y2)	1.31
Static axial load coef (Y0)	0.72
Mass	7,86 kg
ISO 355 reference	T4EC160
Brand	NTN

PRODUCT PERFORMANCE

Dynamic load (C)	485 kN
Rating life coefficient, A2	1.0
Static load (C0)	790 kN
Fatigue limit load (Cu)	78,5 kN
Nlim (oil)	1800 tr/min
Nlim (grease)	1400 tr/min
Min operating temperature (Tmin)	-40 °C

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PRODUCT PERFORMANCE

Max operating temperature (Tmax)	120 °C
Characteristic cage frequency, FTF	0.455 Hz
Characteristic rolling element frequency, BSF	10.466 Hz
Characteristic outer ring frequency, BPF0	13.641 Hz
Characteristic inner ring frequency, BPFI	16.359 Hz

ABUTMENT

Max shoulder diameter IR (da max)	175 mm
Min IR shoulder diameter (db min)	174 mm
Min shoulder diameter OR Da min	213 mm
Max shoulder diameter OR (Da max)	228 mm
Min OR shoulder diameter Db min	231 mm
Min clearance Ca	8 mm
Min clearance Cb	13 mm
Max fillet radius ra max	2,5 mm
Maxi fillet radius r1a	2 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, Y₂ and Y₀ are shown in the above table