



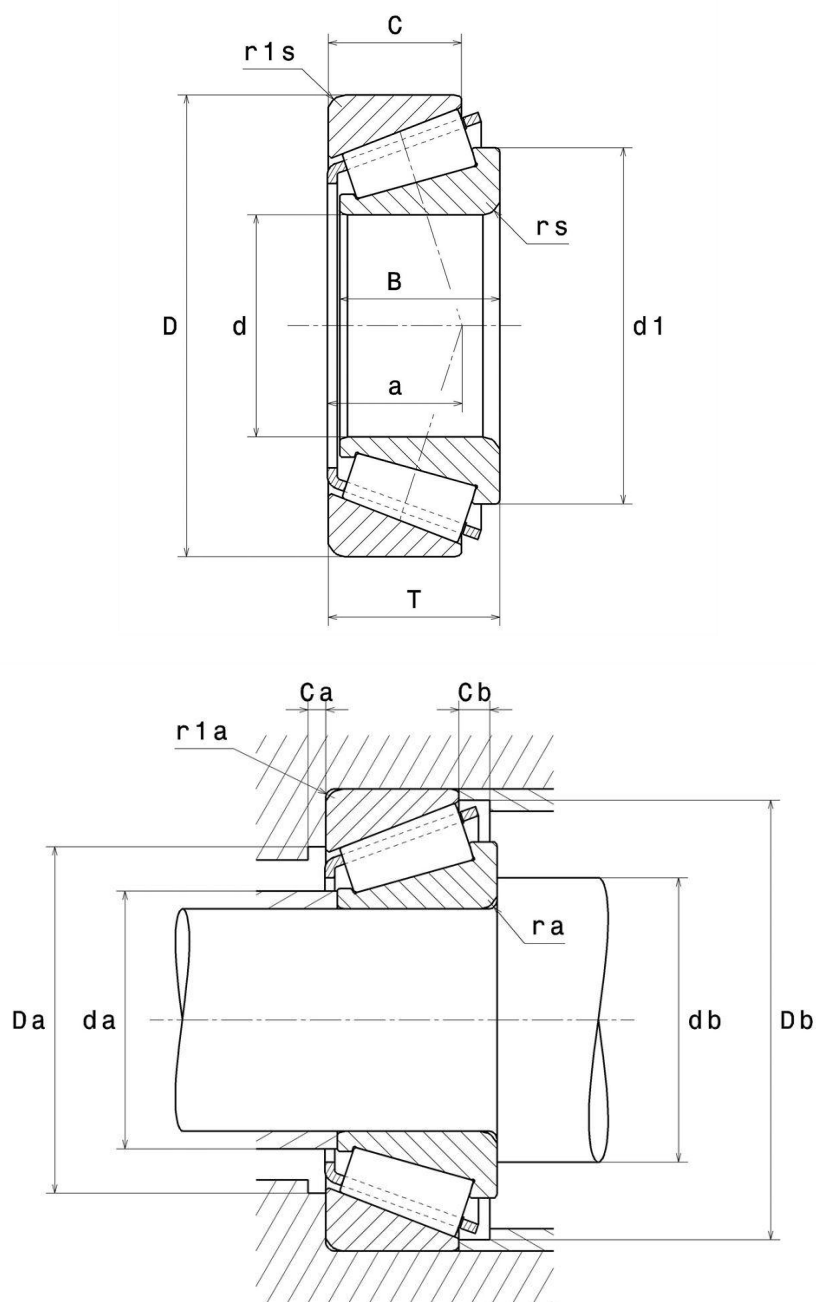
**Technical data**

**32324U**

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

**VISUAL (S)**



# 32324U

## Single row tapered roller bearings

### PRODUCT DIMENSIONS

<b>Internal diameter (d)</b>	120 mm
<b>External diameter (D)</b>	260 mm
<b>Bearing/Inner ring width (B)</b>	86 mm
<b>Outer ring width (C )</b>	69 mm
<b>Total width (T)</b>	90,5 mm
<b>Charge load application point a</b>	61,5 mm
<b>Min fillet radius (rs)</b>	3 mm
<b>Min fillet radius r1s</b>	2,5 mm
<b>Coef (e)</b>	0.35
<b>Upper axial load coef (Y2)</b>	1.74
<b>Static axial load coef (Y0)</b>	0.96
<b>Mass</b>	22,1 kg
<b>ISO 355 reference</b>	T2GD120
<b>Brand</b>	NTN

### PRODUCT PERFORMANCE

<b>Dynamic load (C)</b>	905 kN
<b>Rating life coefficient, A2</b>	1.0
<b>Static load (C0)</b>	1130 kN
<b>Fatigue limit load (Cu)</b>	114 kN
<b>Nlim (oil)</b>	2000 tr/min
<b>Nlim (grease)</b>	1500 tr/min
<b>Min operating temperature (Tmin)</b>	-40 °C
<b>Max operating temperature (Tmax)</b>	120 °C

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## ABUTMENT

Max shoulder diameter IR (da max)	138 mm
Min IR shoulder diameter (db min)	145 mm
Max shoulder diameter OR (Da max)	246 mm
Min OR shoulder diameter Db min	239 mm
Max fillet radius ra max	3 mm
Maxi fillet radius r1a	2,5 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