

# Volta Tube Winding Belts

Volta's new spiral core winding belts offer maximum winding precision for cardboard and paper spiral tube manufacturing. These belts give precise results, reducing waste and increasing tube quality. Volta belts have a durable surface to ensure consistent grip and movement of materials being processed. All belts are truly endless and can be made to exact dimensional tolerances to provide a tight wrap on mandrels.

## Belt Construction:

- Lower layer - Polyurethane 80A or 72A Shore hardness
- Reinforcement - Polyester cord
- Upper layer - Polyurethane 80A or 72A Shore hardness

## Polyurethane Upper (or Lower) Layer:

Polyurethane 80A or 72A Shore hardness.

Advantages of Polyurethane upper (or lower) layer:

- High abrasion / wear resistance
- Excellent coefficient of friction
- New 72A Shore for improved high grip

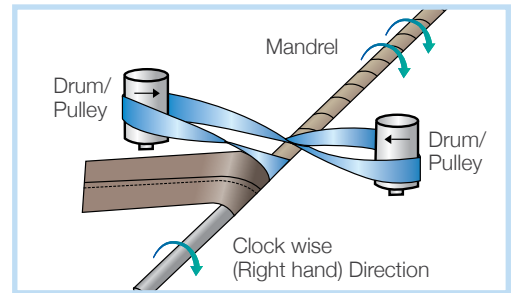


Figure 1

## Pre-Twist

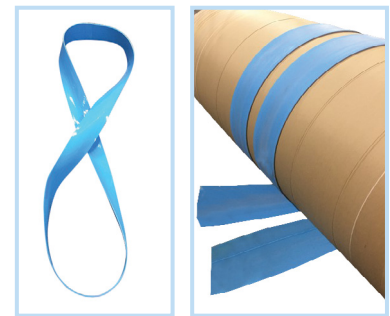
Volta offers belts with a pre-twist incorporated in the belt construction. The pre-twist offers a smooth, low tension operation. The pre-twist direction should be defined according to the winding direction of the tube production process. Refer to Figure 1.

- Pre-twist with **one wrap** is used for the common practice of **one wrap around the tube**.
- Pre-twist with a double wrap is used to wind the belt **twice around the tube**.

The two full wraps offer a higher grip and are generally used for thicker tube walls.

## Advantages:

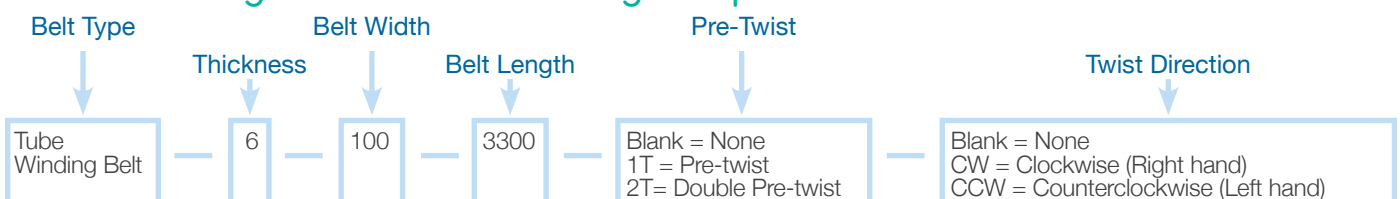
- Truly endless
- Any length from minimum 960mm/37.8"
- Pre-twist for improved performance
- Double pre-twist for tube double wrap
- High breaking strength
- Low stretching



Double Pre-Twist

Belt Type	Color		Thickness	Shore	Tensile Strength		Minimum Cardboard Tube / Mandrel Diameter	
					N/cm width	LBS/inch width		
Tube Winding Belt FLB	Blue		4 mm	80A	3250	1853	30 mm	1 1/8"
Tube Winding Belt FL	Brown		6 mm	80A	5830	3324	70 mm	2 3/4"
Tube Winding Belt FLB	Blue		8 mm	80A	5830	3324	76 mm	3"
Tube Winding Belt FTB	Blue 10		4 mm	72A	3250	1853	25 mm	1"
Tube Winding Belt FTB	Blue 10		6 mm	72A	5830	3324	63.5 mm	2 1/2"
Tube Winding Belt FTB	Blue 10		8 mm	72A	5830	3324	70 mm	2 3/4"

When ordering a Volta Tube Winding Belt please use the information as below:



## Example:

Tube Winding Belt FLB - 4 - 100x3300 - 1T - CW (Tube Winding Belt FLB - 4 - 100x3300 - Pre-Twist - Clockwise)

Tube Winding Belt FLB - 4 - 4"x130" - 1T - CW (Tube Winding Belt FLB - 4 - 4"x130" - Pre-twist - Clockwise)