

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

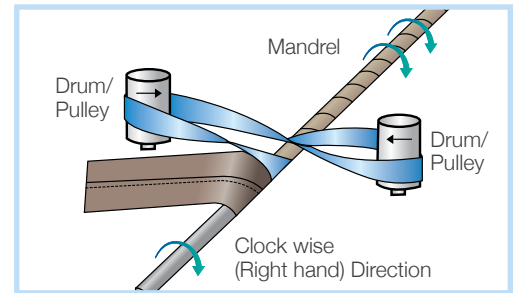


Figure 1

Pre-Twist

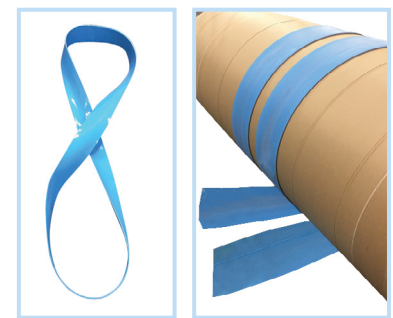
Volta offers belts with a pre-twist incorporated in the belt construction. The pre-twist offers a smooth, low tension operation. The pre-twist direction should be defined according to the winding direction of the tube production process. Refer to Figure 1.

- 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:

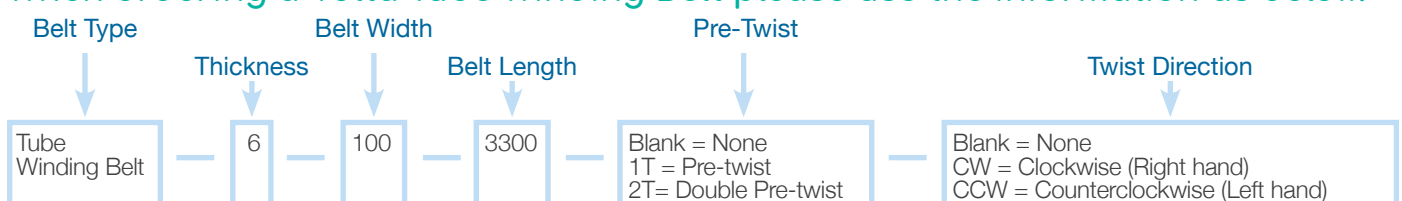
- Truly endless
- Any length from minimum 960mm/37.8"
- Pre-twist for improved performance
- Double pre-twist for tube double wrap
- High breaking strength
- Low stretching



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	70 mm	2 3/4"
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)