

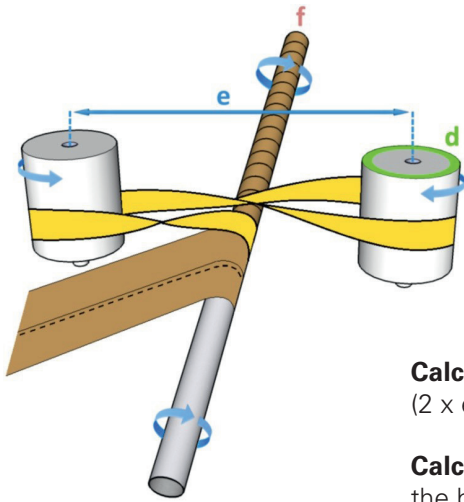
Endless belts - endless possibilities

Our Tube Winders



Esband tube winder belts are durable and reliable parts of different production processes: They are used in the production of paper or cardboard tubes for toilet or kitchen paper rolls, tubes for industrial packaging or for the production of paper straws.

Calculation of a basic belt



Calculation belt length:
 $(2 \times e) + d + f$

Calculation belt width:
 the belt should be 5-7 mm narrower than the final paper web

(Example: final paper web
 125 mm = belt width 120 mm)

e = average distance between axes;
 d = circumference of the drum;
 f = circumference of the tube

Sector
 Packaging Industry
 Paper Industry

Your Esband contact

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Fabrics

Esband offers a customized selection in regard to the type of fabric and its quality. The fabric quality can be individually adjusted for higher demands.

Types of fabric

Polyester

Tear resistance: 1.3 - 3 mm belt thickness
= 120 kg / cm belt width

Tear resistance: 4 - 5 mm belt thickness
= 250 kg / cm belt width

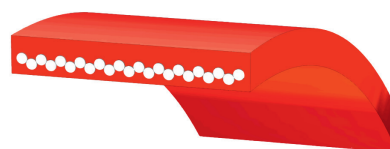
Tear resistance: 8 < mm belt thickness
= 375 kg / cm belt width

Aramid (Kevlar ©)

Tear resistance: Aramid
= 500 kg / cm belt width

Coating

The selection of the coating material is based on your application. We use an innovative coating process without the use of additional bonding agent. This guarantees a homogeneous and connectionless coating.



Features

- Endless without splice
- No thickening or adhesive points
- Homogeneous running behaviour
- Suitable for small roller diameter
- Customised manufacture

PVC & TPU Coating

- Hardness grade 35-90 Shore-A available
- Customised additional constructions
- Many combinations of various Shore hardness values possible
- High abrasion resistance
- Good coefficient of friction to paper and other materials
- Suitable for small roller diameter
- Homogenous coating throughout
- No thickening or adhesive points
- Non-directional
- High flexibility
- Resistant against most adhesives, oils and greases
- Temperature resistance from -10°C up to + 80°C (-14°F up to +176°F)