

# Endless Woven AmTube Belt for Tube Winding



**Ammeraal Beltech's Endless Woven belting innovation includes a distinctive product range for medium and heavy-duty applications. Over many years, Ammeraal Beltech has gathered extensive knowledge of tube winding and developed a number of standard belting solutions.**

AmTube Belts are developed to wrap tensioned plies of glued paper around pulleys and mandrels in the production of paper tubing. These belts are endless, have a smooth surface, accurate length and width made to wrap very tightly around mandrels to produce high quality paper tubes.

#### **Main benefits**

- No production stops due to lack of any splice
- Soft PU cover provides efficient grip on cardboard
- No variation in tube quality due to uniform belt thickness
- Seamless belt construction accommodates the smallest possible tubes
- Thick tube walls are possible because of special strong polyester fabric
- Closed edges are wear resistant
- Durable PUR-cover contributes to long belt life

# Innovation & Service in Belting

## Technology

In the cardboard industry, tube winder machines are used to manufacture cardboard tubes (e.g. toilet rolls, carpet rolls, packaging) in the food, concrete tube, sealing cartridge, textile and non-woven industries.

Paper is spiralled on a rotating metal tube in multi-layers to the required wall thickness.

Type AmTube 500 is suitable for cardboard cans, textile, industrial tubes, washing agent drums, carpet rolls, etc. Type AmTube 700 is designed for heavy industrial tubes, heavy carpet rolls, etc.

With the AmTube range and the RAPPLON® tube winder range for light applications, Ammeraal Beltech is able to handle every tube winding application.

## Benefits

- The 100% endless construction of AmTube ensures a smooth production without any splice failures.
- The closed edge protects the belt against edge wear.
- The polyurethane covers ensure wear resistance without losing grip properties.
- Good force/elongation properties for smooth operation in heavy applications.
- Small pulley diameters are possible starting from 40 mm.
- Thicknesses available from 4 to 14 mm.
- Non-marking covers.

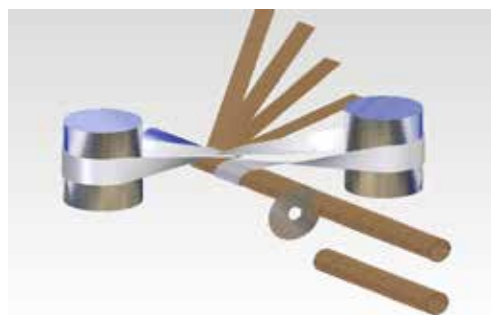


Diagram of the tube winding process

General Technical Data - seamless endless woven tube winding belts		
Belt type	AmTube 500	AmTube 700
Article code	GK 1002	GK 1752
Weave	broken twill weave	broken twill weave
Fabric	polyester	polyester
Force at % elongation	50 N/mm (1%), 100 N/mm (2%)	90 N/mm (1%), 175 N/mm (2%)
Cover	PUR: white Ropan 70 Shore A	PUR: white Ropan 70 Shore A
Coefficient of friction	0.8	0.8
Total belt thickness	4 - 7 mm	8 - 14 mm
Tube diameter	40 mm and more	60 mm and more
Wall thickness	2 - 8 mm	4 mm and more
Necessary belt width	10 mm smaller than feed paper	10 mm smaller than feed paper
Min. tube diameter	10 x belt thickness	10 x belt thickness
Temperature resistance	max. 90 °C	max. 90 °C
Belt length	2500 - 70000 mm	2500 - 7000 mm
Belt width	40 - 800 mm	40 - 800 mm
Edge finish	fully closed over min. 5 mm	fully closed over min. 5 mm

AmTube 500 is developed for medium heavy applications, AmTube 700 for heavy applications. Consult our application engineers and product information for other options.



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