



Endless Woven Belts

Unique Seamless Solutions

Endless woven belts

Processing efficiency and workflow optimisation are the most important aspects of our development. Our high quality standards are set to meet the demanding requirements of our customers for solutions to their specific applications.

We operate an ongoing programme of product improvement and run our own R&D facilities. This ensures that we always remain one step ahead in all the industries we supply.

Ammeraal Beltech's in-house weaving and coating facilities make it possible to offer a wide range of endless and non-endless fabric constructions, using numerous natural and synthetic yarns such as cotton, flax, polyamide, polyester and aramid.



In many applications standard process or conveyor belts cannot be used. When extreme levels of strength, tension and temperature resistance are needed, seamless and spliceless belts are the perfect choice. We offer excellent tailor-made solutions to give the right answer to the strict requirements of special applications and environments.

Using various endless woven and non-endless woven fabrics, the unique functionality of Ammeraal Beltech's belting range is illustrated by the fact that extremely heavy armoured cables can be processed with the same degree of smoothness as biscuit dough passing over a knife edge.



Endless coating machine

Endless woven belts give you many advantages:

- Endless and spliceless design; no seam
- Constant line speeds and proper tracking
- Excellent tensile strength and elongation properties
- Operating temperatures from -80°C up to +350°C
- Belt tension of up to 1,000 N/mm belt width
- Speeds of up to 1,200 m/min
- Wide range of coatings and profiles
- Flexible enough to wrap around small rollers and knife edges

The majority of state-of-the-art materials that we use for our products have been developed and patented by us, in response to the highly specific needs of our individual customers.



Customised with a variety of coatings and profiles, the belts are manufactured using a quality assurance system, based on ISO 9001:2008. In this way, it has become possible to substantially expand developments in process and conveyor belting in almost every industry.

Similarly, the specialised processes and techniques used by Ammeraal Beltech in the construction and installation of our belting have been perfected through our experience with a vast array of customers with a multitude of different applications.

From smooth dough transport to heavy-duty sheet metal wrapping

Rotary moulder application in a biscuit production line.



Flexibility over the entire length makes Ammeraal Beltech endless woven fabric the ideal belting material for bakery and confectionery applications.

Our Food Grade cotton-based endless belts have a long lifespan, and their excellent release characteristics prevent the formation of tails on extracted products. The low pressure required on the extraction web is ideal for use with rotary moulders and rotary cutters.

Main customer benefit: continuous quality of biscuit extraction.

Coil wrapping application in a sheet metal production line.



In the final production stages, sheet material (steel, aluminium, copper) is wrapped around a mandrel using an endless woven belt.

The excellent tensile strength/elongation properties of Ammeraal Beltech's wear resistant polyurethane-coated material enable the sheet material to be tightly wrapped. The absence of a splice, in combination with a long lifespan, make these flexible belts the perfect solution for this type of demanding coiling operation.

Main customer benefit: custom made belt for every type of metal with no thickness or temperature restriction.



Cable pulling applications need extremely strong fabrics and durable wear-resistant covers.

The coated continuous polyester or aramid fabric construction of Ammeraal Beltech cable-pulling belts allows high tensile forces to be applied, while at the same time enabling rolling resistance to be kept low. The absence of a splice, together with tight tolerances in belt thickness and suppleness, permit constant line speeds of up to 300 m/min.

Main customer benefit: every type of cable can be handled with no thickness, cover or shape restrictions.



Separating application in a meat production line.

A separating machine is designed to separate soft and solid components, e.g. meat from bones. A separator belt transports products via a perforated drum and squeezes the softer material through the perforation. The harder particles remain outside the drum.

Ammeraal Beltech designed a range of Endless Woven Belts with:

- Wear resistant PU-covers (long lifetime)
- Special profiles (high yield)

Main customer benefit: ideal combination of wear resistance and separation yield.

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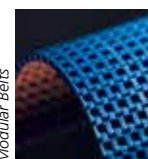
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