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Special Conveyor belts

Special Applications for Bulk Material and Unit Goods

Esband supplies conveyor belts with special surface treatments for conveying of unit goods and bulk material under extreme conditions. Typical applications:

- Sharp ascent angles
- Highest temperatures
- Inclined feeder conveyors
- Synchronized and/or vacuum transport



Special Belt Designs and Special Treatments

- Self-tracking wedges or guides on the running side for exact belt running
- Coating thickness based on customers' specifications on conveying side, suction slots and holes for vacuum transport
- Timing belts and Multi-V belts with coating of almost all Esband coating materials on the back
- Suction timing belts, e.g., for packing machines for small bags



MSC-130.01-E-05.08



About us



Performance

Situated in Herbrechtingen near Ulm in southern Germany, Max Schlatterer GmbH & Co. KG with their highly motivated 600 employees develop and manufacture endless belts - drive belts, conveyor belts, customized belts. We contribute in the entire world to the active development of innovative production plants, we supply convincing band and belt designs, we realize these ideas on equipment developed by our own specialized personnel, and supply 100% quality by using electronic testing equipment.

Philosophy

The Endless Schlatterer Band (Esband) is produced without any joints and splices and demonstrates its reliability and durability in each and every situation. A wide variety of materials and surface treatments guarantee individually matched functions. A comprehensive marketing and service network in over 80 countries world-wide ensures a close co-operation with our customers.

Advantage

Schlatterer supply endless belts in all sizes up to a length of 4800 mm and a width of 600 mm. Special sizes are available upon request. Customized, innovative bands and belts provide our customers with a competitive edge and offer maximum safety.

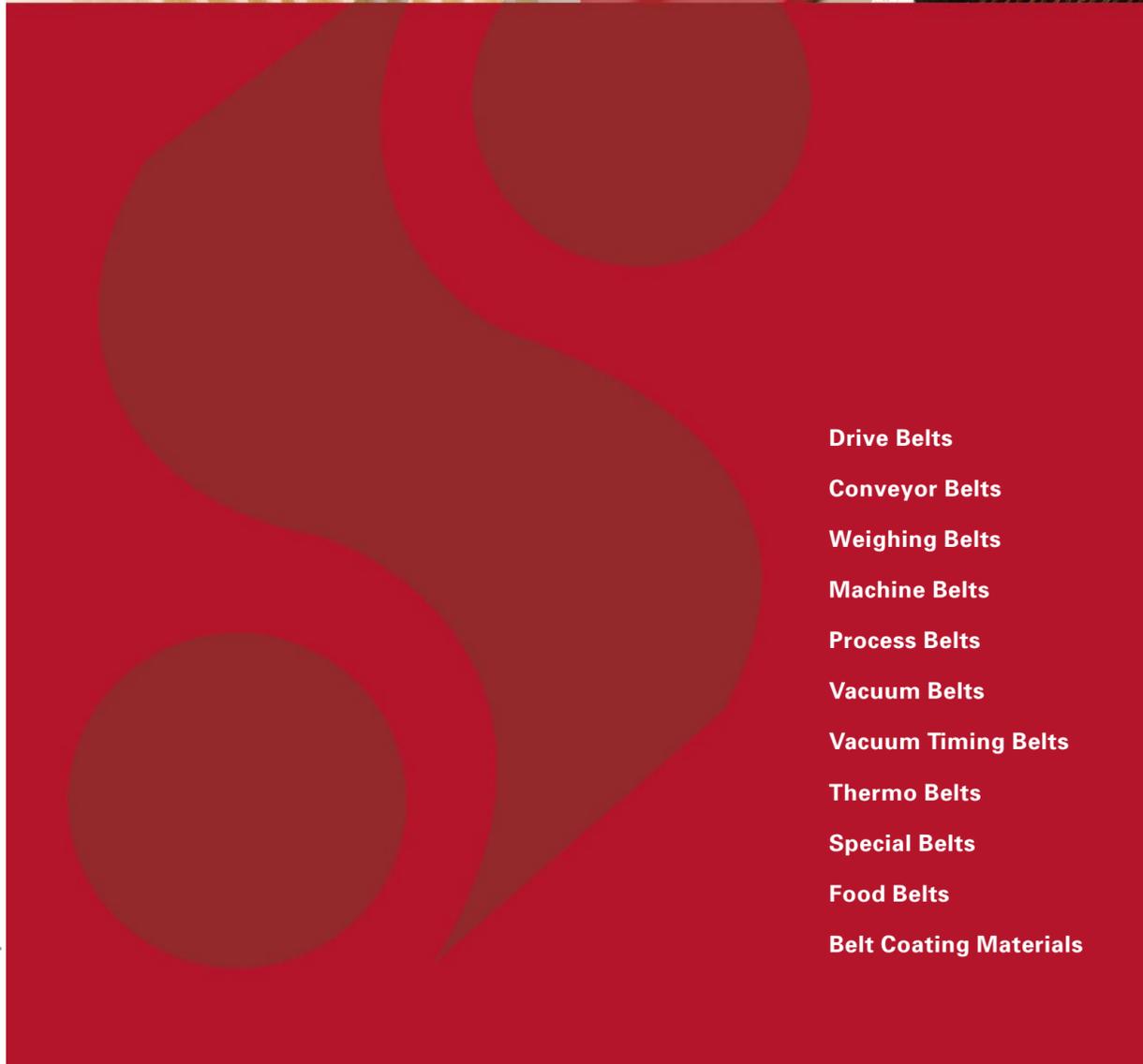
Contact us now to receive our new catalogue.



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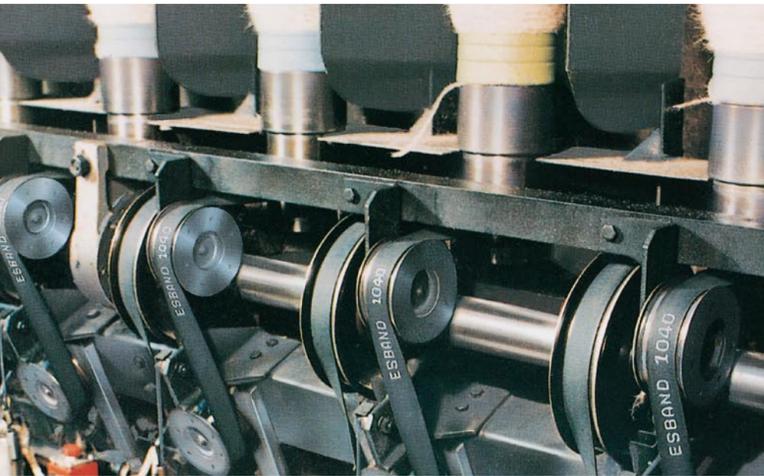
We reserve the right to make technical alterations.

PRODUCTION PROGRAMME ENDLESS FLAT BELTS



- Drive Belts
- Conveyor Belts
- Weighing Belts
- Machine Belts
- Process Belts
- Vacuum Belts
- Vacuum Timing Belts
- Thermo Belts
- Special Belts
- Food Belts
- Belt Coating Materials

Drive



Esband belts produced according to the truly endless method make your production process run smoothly by retaining their reliability and true running accuracy over long service periods and even at high speeds and high bending frequencies. Their low vibration results in minimal noise.

1. Open Belt Drives

- Flexible power transmission with low shaft loads and reduced wear
- Transmittable power of up to 60 kW (special purpose belts up to 150 kW)
- Temperature resistant up to 130°C
- Absorption of shock and vibration
- Suitable as overload protection
- High reliability

2. 90° Turn Belt Drives

- Easy design possibilities with non-parallel rotary axes

3. Cross Belt Drives / Half-Cross Belt Drives

- Easy design possibilities with changes in the direction of rotation

4. Multi-Shaft Drives

- Torque reduction drives with long service life at high bending frequencies

5. Spindle Drives

- Spindle conveyors and tangential belts used in the textile industry
- Suitable for smallest bending radii and high belt speeds

Light-Duty Drives - up to approx. 2.5 kW

Extremely wear resistant belts with superior running and traction properties, high flexibility, precisely co-ordinated coefficients of friction, antistatic. Typical applications:

- High-speed drives
- Office equipment
- Household appliances and do-it-yourself equipment
- Grinders
- Saws
- Testing equipment
- Spindle drives
- Spinning frames
- Bobbin winders
- Textile machinery

Medium-Duty Drives - up to approx. 15 kW

Extremely wear resistant belts with superior running and traction properties, low noise operation, low elongation, antistatic. Typical applications:

- High-speed drives
- Woodworking machinery
- Floor maintenance equipment
- Do-it-yourself equipment
- Grinders



- Machine tools
- Textile machinery
- Construction machinery
- Low humidity environment

Heavy-Duty Drives - up to approx. 60 kW

Extremely wear resistant belts with good traction properties, running neutrality, limited elongation. Typical applications:

- Especially for balancing machines
- Construction machinery
- Eccentric presses
- Woodworking machinery
- Ventilation fan drives
- Grinding gear
- Motor testing rigs
- Turbine drives
- Hydro-electric stations
- Mills
- Testing equipment

Transport

Esband conveyor belts produced according to the truly endless method enable frictionless processes. Each category of goods transported requires a specific type of band; each environment makes its specific demands. The following list includes the most important fields of application:

1. Paper

For paper processing and paper handling Esband offers bands with various degrees of elasticity, high ozone-resistance, high breaking strength or low elongation, based on your requirements.

Typical applications:

- Printing machines
- Copiers and scanners
- Cash dispensing and ticket issuing machines
- Paper and cardboard processing machines



2. Food transport

Esband enables delicate processing and packaging of food. Our belts are FDA/BGA approved, easy to clean, temperature resistant with varying degrees of elasticity and flexibility and various coefficients of friction. Typical applications:

- Blade edges
- Transfer stations
- Automatic packaging machines
- Cheese-making machines
- Bakery lines



3. Weighing technology

Esband brings weighing technology to peak perfection as our belts are truly homogeneous over their entire length (including weight), with exactly adapted coating and elongation characteristics, special surface finishes and low-friction covers on the running side.

Typical applications:

- Weighing devices for light-weight bulk materials and unit loads
- Dynamic weighing machines
- Blade edges
- Small bending radii

4. Bulk material and unit goods

Esband transports every kind of unit load and bulk material of all weight categories to perfection as our belts have exactly matched coefficients of friction, ideal elongation characteristics, self-tracking guides, perforations for vacuum transport, etc. Ideal applications:

- Fixed shaft centre distances
- Blade edges
- Table removers
- Vacuum transport

