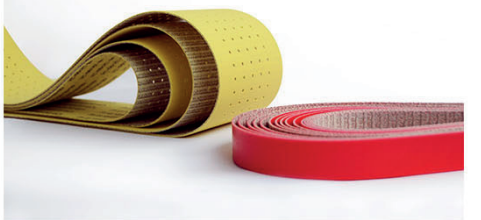
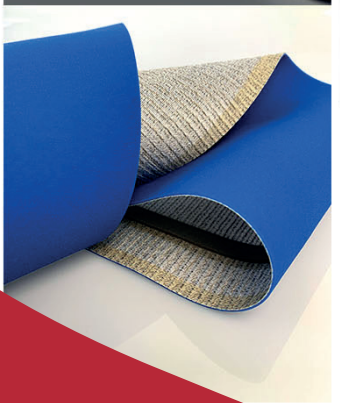
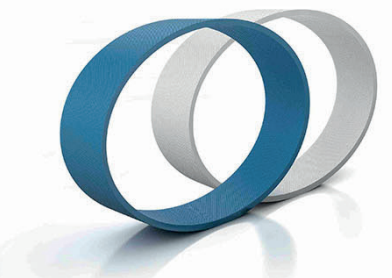
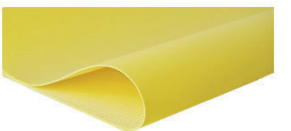
Schlatterer
Esband

Solutions
& Capabilities







Endless belts
for various applications in different industries

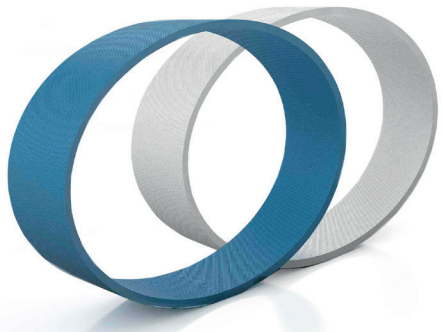
Vertical-Form-Fill-Seal (VFFS)

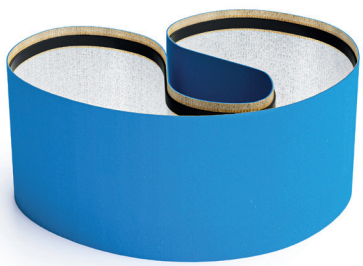
- Silicone, Natural Rubber, and PU Covers
- Unlimited perforation patterns
- Solutions for any of the new poly bag styles
- Multiple cover compounds and colors can be added to the same belt

Separator Belts

Pork, Poultry, Beef, Fish, Fruit, Veggie and Recycling applications

- Replacements for most OEMs
- FX with 85 and 92 ShA / GX with 71 and 92 ShA options available on either side
- Wear resistant coating, positive profile for easy cleaning, long lasting compared to OEM belt



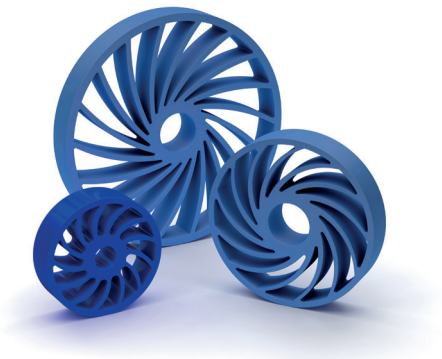


Checkweigher Belts

- Truly endless belt guarantees weighing results
- Supplier of several OEMs
- Silicone cover for pull and release requirements
- Truly endless guide for smooth running
- Antistatic mandatory
- Long-lasting compared to spliced belts

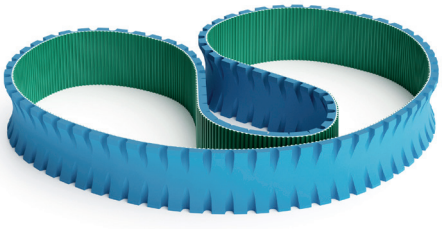
Silicone Rollers

- Down holder for transportation and food industry
- Labeling industry
- Standard 70mm dia. - individual dimensions possible
- Corrugated foam rollers coated in yellow PU
- 3D printed molds for samples and smaller runs
- Waterjet cut any silicone part up to 30 mm thick



TRULY ENDLESS

MADE IN GERMANY



Sausage Belts

- Silicone and NBR covers on timing belts
- Replacement belts for most OEMs
- Custom profiling to meet any request

Slow Down Belts For Printers

- SI/ NR/ NBR/ PU covers due to different paper
- High tear resistance, longitudinal stability
- High end and precise special processing
- OEM replacements

Belts for the Paper Industry

- Coating materials: PU (Value); SI (High CoF); FX & GX (Abrasion Resistant); NE (good grip and long service life), NR
- Applications: Folding, Feeder, Tubewinders, Sorters, Letters into Envelopes, Sheeters

Recent Innovations: GX for Corrugated & Paperboard

- 70 ShA TPU Ground has excellent Coefficient of Friction and Abrasion Resistance
- Tubewinder: Truly endless, tear resistant and longitudinally stable
- Folder Gluer: Solution for high turn belts in the gluer and trombone sections
- Growing Industry – Paper Straw: Constant high Friction and smooth running performance
- Thickness from 1.3 mm to 13 mm – FDA approved

Your Esband contact

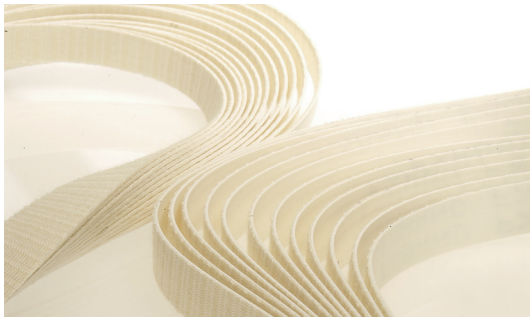
Christian Montes
EVP Sales / GM
Mail: cmontes@esbandusa.com

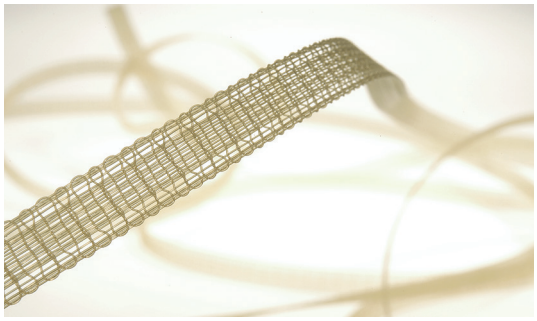
Ryan Roloff
Director Sales East
Mail: rroloff@esbandusa.com

Endless belts and tapes

Garniture tapes

- Materials: Linen/Polyester, Linen, Aramid, Polyester, PEEK
- Surface structure: uncoated, Impregnated, Center-coated, Full-coated
- Temperature resistant from 100 up to 300°C
- Breaking strength: from 1020 to 2250 N/cm
- Production of cigarettes, cigarillos, cigars, cigarette filters and paper straws
- FDA approval possible



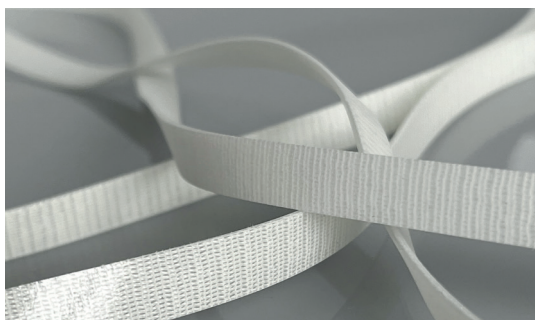


Suction tapes

- Materials: Polyamid, PEEK
- Surface structure: Tobacco side: rough and very rough, Running side: smooth and rough
- Temperature resistant from 80 up to 200°C
- Breaking strength: from 375 to 550 N/cm
- Air permeability: from 40 to 53 m³/h
- Cigarette production, tobacco transport

Drum Tyres

- FDA approval possible
- High abrasion resistance
- Low length tolerances
- Various surfaces available
- Cigarette- and filter production



Tube Winder (Paper straws)

- endless base material
- smooth running performance
- long service life
- tear-resistant and longitudinal stability
- high abrasion resistance
- Small bending radii
- FDA-conform

Carrier materials
for drive and conveyor belts

Carrier	Characteristics
Elastic yarn	• high elastic stretch from 4 - 10 % • used with fixed axis spacings • no clamping fixture required
Aramid	• extremely low-stretch • low friction coefficient • temperature-resistant to 280 °
Polyamid	• medium elastic stretch from 0,5 - 1,5 % • used with fixed axis spacings
Polyester	• low elastic stretch • resistant to chemicals
Cotton yarn	• low-stretch • low friction coefficient
Glass silk	• low-stretch • low friction coefficient • temperature-resistant to 300°

Coating materials
for drive, flat and timing belts

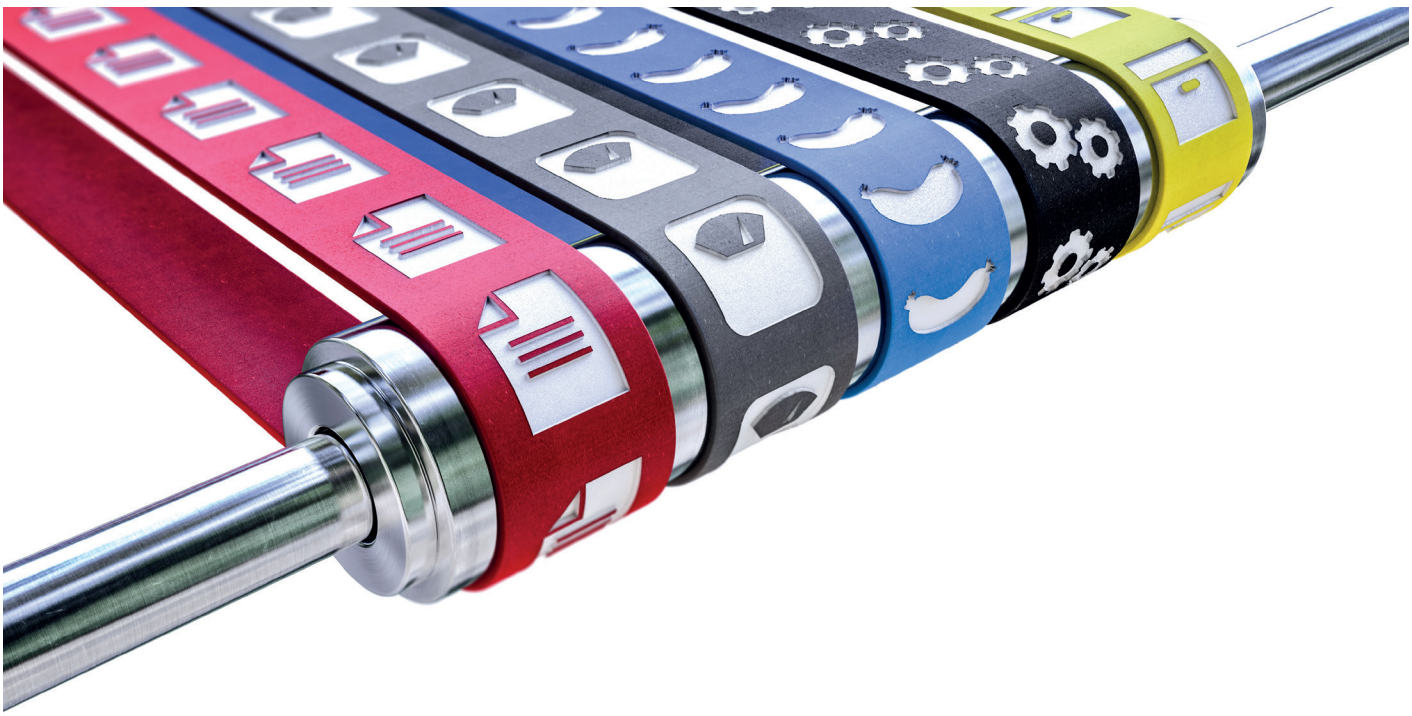
Coating	Characteristics
PU	• Hardnesses: 30 ShA, 55 ShA, 70 ShA • Colours: yellow, red, blue grey • Temperature-resistant from -10°C up to 60°C, briefly 80°C • Standard Thicknesses coefficient to paper
SPU	• Foamed PU • Hardnesses: 20 ShA, 55 ShA • Colours: grey • Temperature-resistant -40 to 80°C, briefly 160°C • Thicknesses up to max. 30mm
SI	• Hardness: approx. 30-35 ShA • Colours: white, grey, blue, transparent • Temperature-resistant to 180°C • Thicknesses up to 10 mm • FDA approved, repels dirt, resistant to chemicals, high friction coefficient
SI 50	• Hardness: 50 ShA • Colours: white, blue, red, yellow • Temperature-resistant to 180°C • Thicknesses up to max. 30 mm • FDA approved, repels dirt, high friction coefficient
NE	• Chloroprene rubber • Hardnesses: 62 ShA • Colour: black • Temperature-resistant to 100° C • High friction coefficient, low wear, good resistance to oils, greases, ozone, low bending resistance
NR	• Natural rubber • Hardnesses: 40 ShA, 50 ShA • Colour: white, red, maroon • Temperature-resistant to 60° C • Extremely high friction coefficient, highly elastic, low tear propagation resistance
NBR	• Nitrile rubber • Hardnesses: 65 ShA, 75 ShA • Colour: white, blue, light grey

Coating	Characteristics
FX	• Thermoplastic PU • Hardnesses: 85 ShA, 90 ShA, 92 ShA • Colours: white, blue • Temperature-resistant to 80°C • Thicknesses up to max. 20 mm • Very good resistance to abrasion, FDA approved • different surface structures possible (smooth, ground, X and W profile)
GX	• Thermoplastic PU • Hardness 70 ShA, 90 ShA • Colours: White, natural • Temperature-resistant to 80°C • Thicknesses up to 20 mm • Very good resistance to abrasion, FDA approved
xNBR	• Carboxylated nitrile rubber • Hardness: 75 ShA • Colour: pale beige • Temperature-resistant to 100°C • Very wear-resistant, suitable for accumulation operation, extremely good resistance to oils and greases
EPDM	• EPDM rubber • Hardness: 65 ShA • Colour: green • Temperature-resistant to 120°C • Very good resistance to ozone, acids and alkalis, high friction coefficient
HT 40	• Hardness: 40 ShD • Colours: white, blue, black • Temperature-restistant to 100°C • Very good resistance to microbes and weathering, good tear propagation resistance
HT 40 F	• FDA approved • Hardness: 40 ShD • Colours: white, blue • Temperature-restistant to 100°C • Very good resistance to microbes and weathering, good tear propagation resistance
HT 63	• Hardness: 63 ShD • Colours: white, black • Temperature-restistant to 140°C • Very good resistance to microbes and weathering, good tear propagation resistance

Schlatterer
Esband

There's no such thing as impossible!

Endlessly working to meet any requirement.



Esband USA Inc.

2400 Pari Way
Midlothian, VA 23112
www.esbandusa.com
(804) 763-5145
sales@esbandusa.com

Member of NIBA The Belting Association

Visit us on