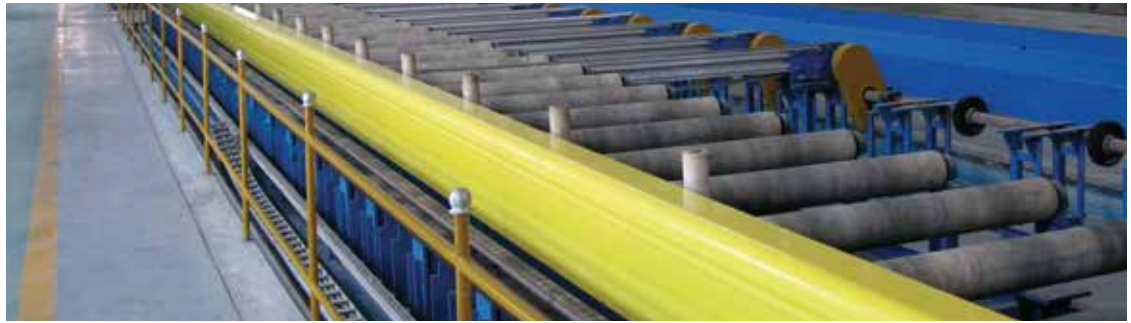




Daisler Felt Belts

**Total Solutions
for Industrial Automation**





Who We Are

Daisler Prozesstechnik GmbH (Daisler) is a young and visionary German company that is a hub for know-how in the most challenging industry sectors that industrial automation, especially conveyor belting, has to offer. Our deep technical understanding of machineries, production processes and the demands imposed on conveying solutions enable us to engineer products of the highest quality.



Our Story

Diverse portfolio to suit each client

Established by a group of industrial belting experts with more than 50+ years of field experience combined, the Daisler team believes in providing a diverse and innovative range of industrial solutions to our clients.

Headquartered in Germany, Daisler works with partners from all over the world to differentiate itself and to be competitive and able to adapt to the fast changing market.

Key products:

- Conveyor Belts (PVC/PU/PE/Hytrel)
- High temperature resistant felt products (PBO/Kevlar/Nomex/Polyester)
- REOclean (homogeneous positive driven polyurathane belt)
- AA Coil wrapper belts
- High tensile strength live roller driving belts

Aluminum Extrusion Process

Working in high temperature environment

Aluminum Extrusion is a technique used to transform aluminum alloy into objects with a definitive cross-sectional profile for a wide range of uses. The alloy is heated up in the extrusion press and extruded to become profiles. The felt products offered can resist different temperatures (up to 600 Celsius instaneously) and transport profiles of various shapes and weights.

NOMENCLATURE

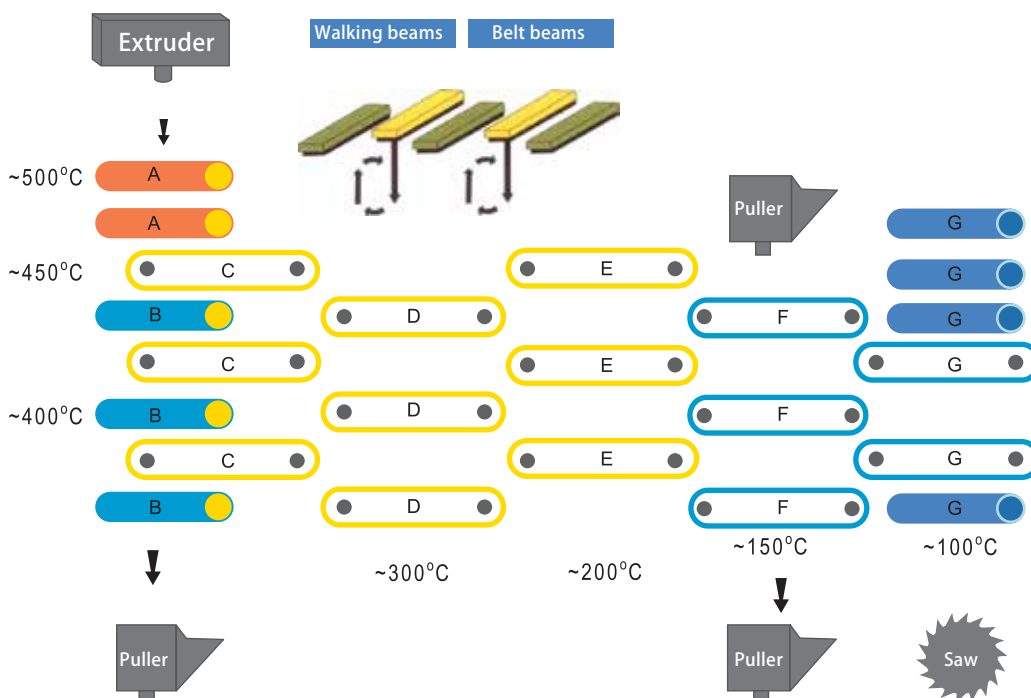
Product type	Hardness	Material	Total thickness (mm)	Size (mm*mm)	Other info
FTB	0	PK(3)	/ 8	- 300 * 2000	100 AT10

- FB : Felt Belt
- FP : Felt Pad
- FT : Felt Tube
- 0 : unhardened (no resin)
- 00 : semi-hardened (with some resin)
- 000 : fully-hardened (with full resin)
- PK (x): PBO outside (thickness in mm) + Kevlar inside
- K: Kevlar
- N: Nomex
- P: Polyester
- Width (mm) * Length (mm)
- Felt Timing Belt : Timing Belt width (mm) and

- SM : Spacing Material
- FTB : Felt Timing Belt

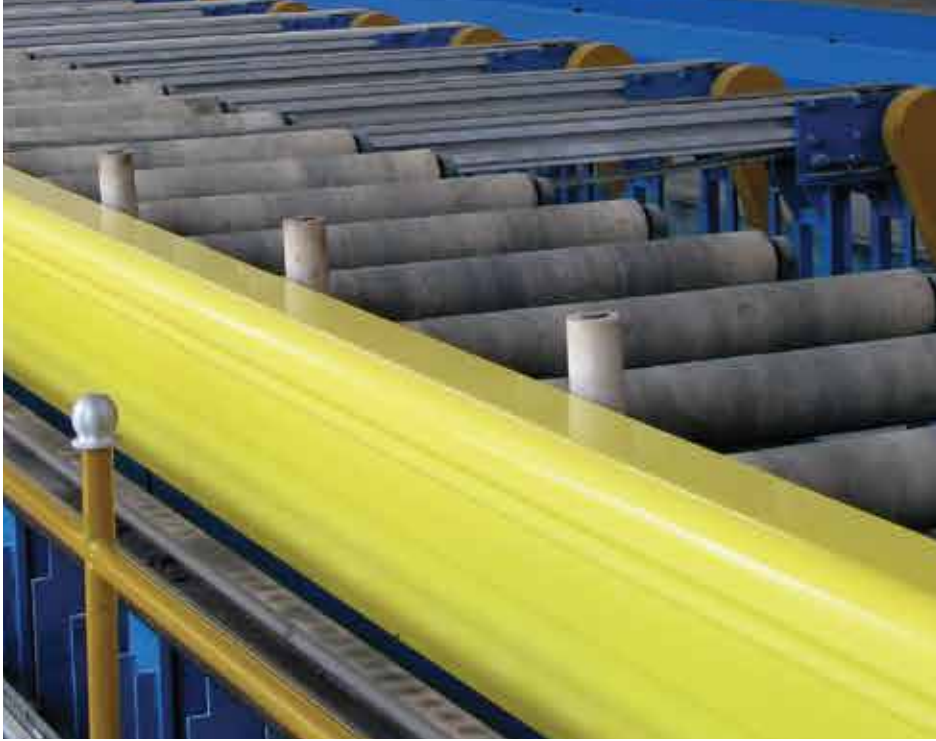
Material	Colour	Temperature resistance short (Cont. Temperature resistance)
PBO	Brown	600 °C (500 °C)
KEVLAR	Yellow	500 °C (400°C)
NOMEX	Ivory	280 °C (210 °C)
POLYESTER	White	210 °C

The Aluminium Extruding Process

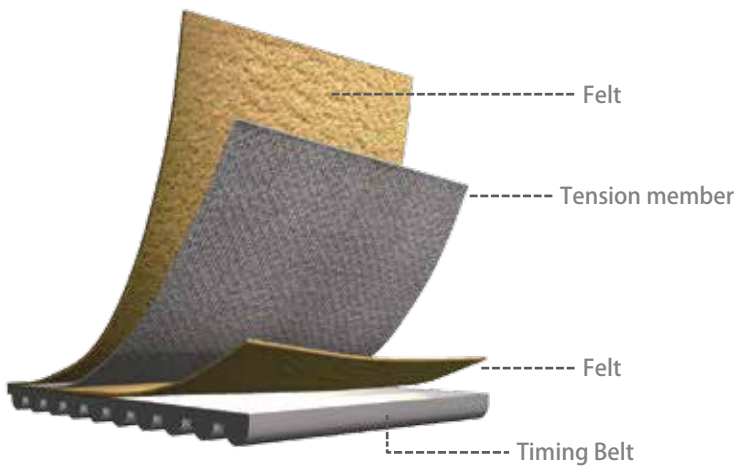


Heavy Profiles Extrusion

Perfect solution for heavy loads on conveyors



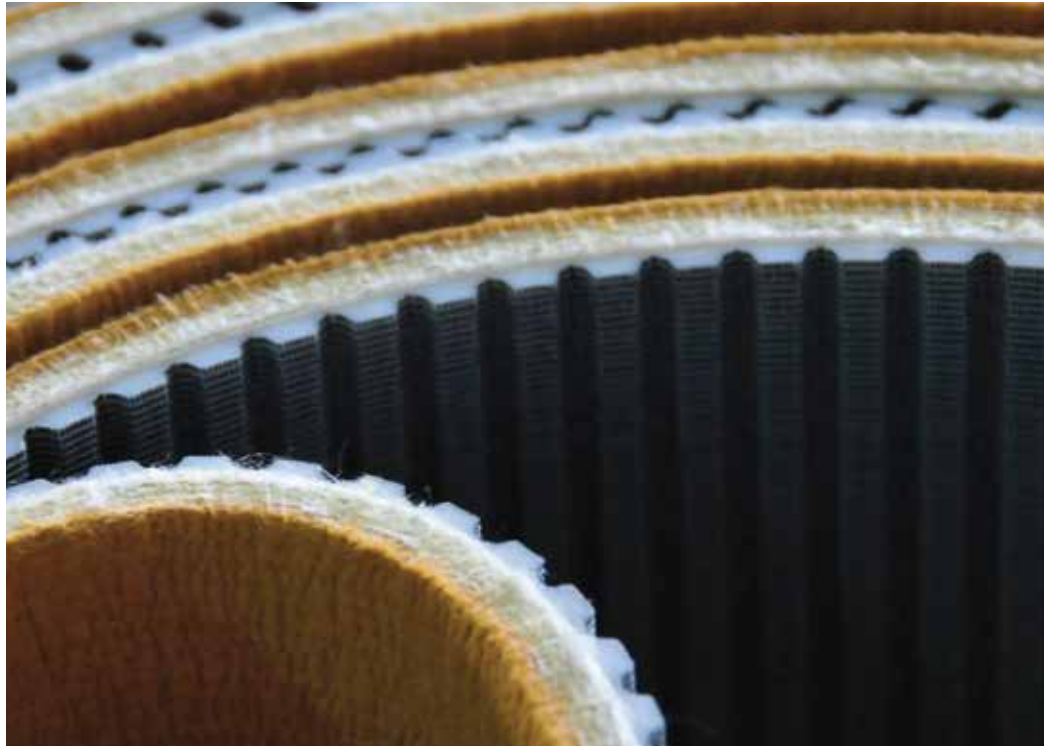
Felt Timing Belt



Best quality fulfills tough requirements

Timing felt belts are timing belts laminated with felt products. They are the perfect choice for conveying heavy profiles.

- No skidding possible with heavily loaded aluminum profiles
- Straightening of profiles is reduced to a minimum
- No delamination possible between timing belts and felts



Wide range of timing belts for selection

Timing Belt Tech info

<i>Most common types</i>	<i>Breakig Str. (N)</i>	<i>Max. Allowable Str. (N)</i>	<i>Max. Allowable Str. (Jointed)(N)</i>	<i>Weight (kg/m)</i>
100 T20	48000	13500	6750	0.77
100 AT10	60000	16000	8000	0.64
100 AT10-K13	60000	16000	8000	0.71
100 AT20	65000	25200	12600	0.97
100 HTD14M	84100	24700	12350	1.13
100 HTD14M-K13	84100	24700	12350	1.20

(This data only applies to Daisler's Timing Belt products)

Our Products

Broad range for all applications



Felt tube



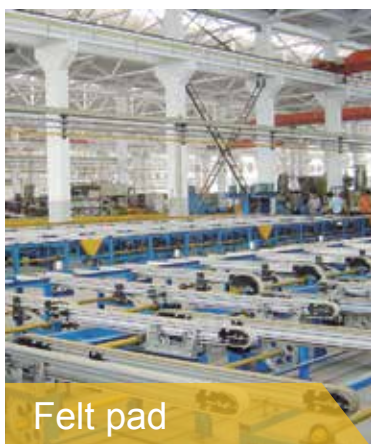
Inside D	(mm)	18, 19, 20, 24, 25, 28, 30, 38, 39, 40, 43, 45, 49, 50, 55, 60, 70, 76, 77, 77.3, 77.6, 78.7, 80, 86, 89, 95, 96, 100, 101.8, 102, 103, 105, 110, 112, 115, 116, 120, 127, 129, 130, 133, 140, 145
Length	(mm)	Any length
Thickness	(mm)	3 - 12
Density	(g/m ² .mm)	(untreated) : 380 ± 5 (semi-treated) : 420 ± 5 (fully-treated) : 550 ± 5
Hardness	(Shore A)	(untreated) : 50 ± 5 (semi-treated) : 60 ± 5 (fully-treated) : 85 ± 5
Treatment		Possible with resin



Felt belt



Width	(mm)	20 - 2,000
Length	(mm)	1,900 - 20,000
Thickness	(mm)	6 - 12
Density	(g/m ² .mm)	450 ± 5
Hardness	(Shore A)	PBO : 60 ± 5 Kevlar / Nomex / Polyester : 55 ± 5



Felt pad



Width	(mm)	10 - 2,000
Length	(mm)	up to 25,000
Thickness	(mm)	6 - 12
Density	(g/m ² .mm)	PBO (untreated) : 370 ± 5 (semi-treated) : 420 ± 5 (fully-treated) : 520 ± 5 Kevlar/Nomex/Polyester (untreated) : 340 ± 5 (semi-treated) : 360 ± 5 (fully-treated) : 440 ± 5
Hardness	(Shore A)	(untreated) : 45 ± 5 (semi-treated) : 60 ± 5 (fully-treated) : 85 ± 5
Treatment		Possible with resin

Aluminum Sheet Coiling

Suitable for different thickness of aluminum sheets



Aluminum sheets are hot and cold coiled at different temperatures to be at different thicknesses. They are used for many industries such as beverage, electrical appliances, office equipments and more.

Currently there are two types of coil wrapper belts offered:

- Solid woven type
- High temperature resistant type

The wrapper belts have the following characteristics:

- Completely truly endless, no joint
- High force of elongation
- Great resistance to cut, impact, oil grease, weak acid, base and salt

■ Solid woven type (CMU-SW series)

- Excellent elastic characteristics
- High force of elongation
- Suitable for steel sheet wrapping

■ High temperature resistant type (CMU-HSW series)

- Excellent elastic characteristics
- High force of elongation
- High temperature resistance (up to 400 °C)
- Suitable for hot rolled aluminum wrapping



Technical information

Coil Wrapper Belt Tech info

Coil Wrapper Belt types	Total Thickness (mm)	Tension member	Top Coating Material	Top Coating Thickness(mm)	Top Coating Colour	3% Elongation Str. (N/mm)	Temperature range(°C)
■ Solid woven	4.0 - 8.0	Solid woven	PU	0.5 - 2.5	Green	90 - 100	-20 - 90
■ High temperature	6.0 - 10.0	Kevlar woven	Kevlar	N/A	Yellow	100 - 120	-20 - 400

(This data only applies to Daisler Coil Wrapper Belt products)



R&D

Daisler believes that R&D is the single most important thing for our company and our goal to improve production processes for everyone's good.



Passion

Our team is a mix of established industry leaders, visionary thinkers, and ambitious idealists that are connected through their passion for belting.



Service

We have a service mindset and are willing to go above & beyond your expectations to deliver an outstanding experience to all our clients.



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