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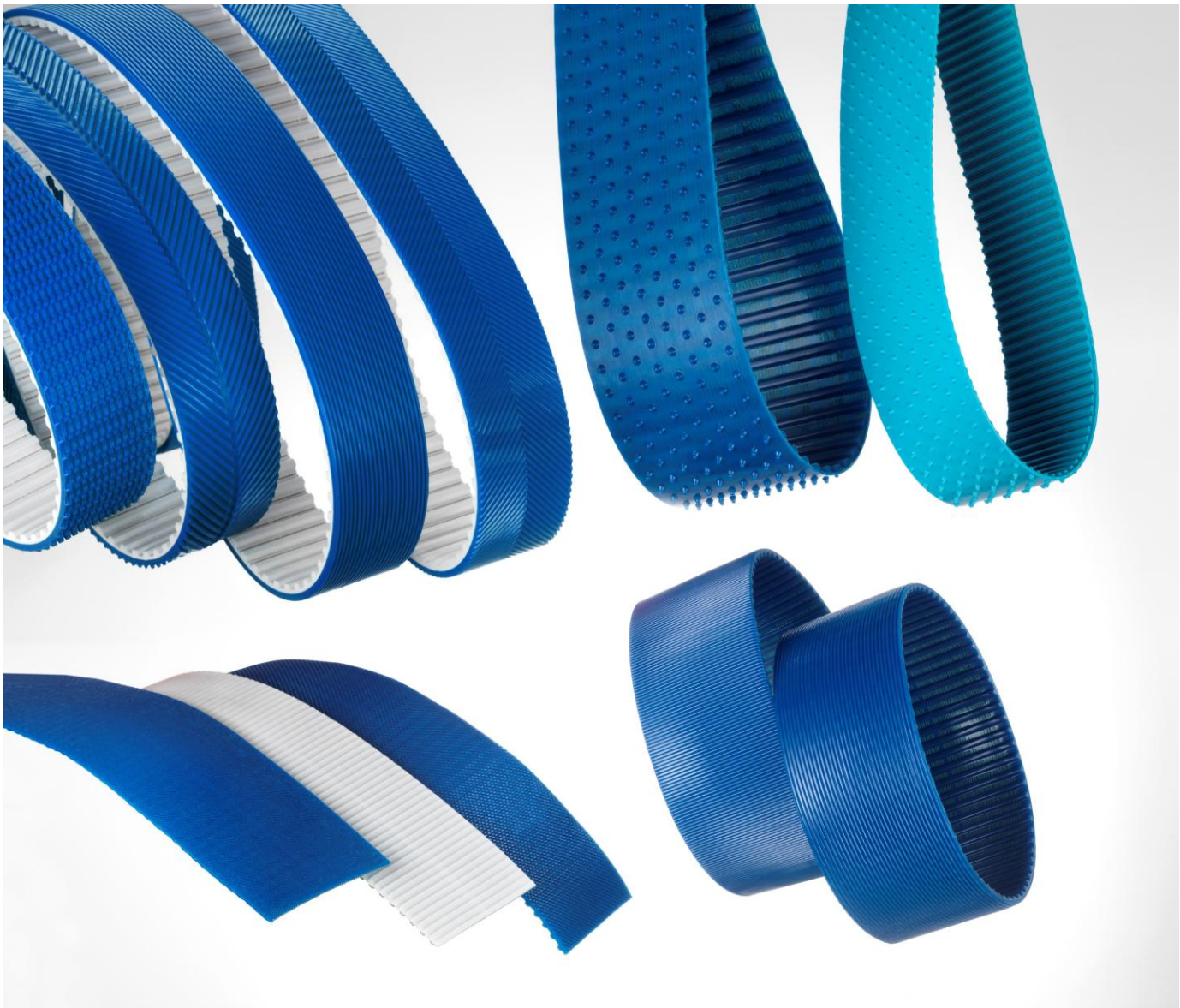
Driving gear and conveyor technology
Profiled belts
Continuous round belts
turned and plaited

Embossed PU-Timing Belts



Embossed PU-Timing Belts

Depending on the thickness of the back of the belt, many structures can be embossed directly into the belt. This offers the key advantage that the transport structure consists of exactly the same material and does not require additional coating.
The minimum disk diameter does not change because of the application of the structure.
Particularly suitable for this are co-extruded belts or high-back (HB) types which are produced from the start with a thicker backing to the belt. Thus, a wide variety of belts can be made from one basic type. Particularly in the food industry, the same basic design of belt can be used for all sorts of different tasks.
Most patterns can be embossed homogeneously without joins or transitions. New patterns can be created at short notice according to the customer's requirements, cost-effectively and individually tailored to the specific demands.

Advantages

- **Homogeneous belt material**
- **Without additional coating layer**
- **Minimum disk diameter of the base belt is maintained**
- **Shock-free embossing of most patterns**
- **Individual patterns can be produced for small batches**

Belt profiles and structures

	T5 EU/FDA HB	T10 EU/FDA HB	T5 HB	T10 HB	WR5 white/blue EU/FDA	WR10 white/blue EU/FDA	AT10	AT10 HB	HTD 8M	HTD 8M HB	Additional coated 35 Sh.A – 90 Sh.A 2 mm
Longitudinal	X	X	X	X	X	X	X	X	X	X	X
Longitudinal PJ		X		X				X		X	X
Cross groove	X	X	X	X	X	X	X	X	X	X	X
Saw tooth	X	X	X	X	X	X	X	X	X	X	X
Fabric pattern	X	X	X	X	X	X	X	X	X	X	X
Negative pyramid	X	X	X	X	X	X	X	X	X	X	X
Spikes	X	X	X	X	X	X	X	X	X	X	X
Studs	X	X	X	X	X			X		X	X
Super grip				X				X		X	X
Herringbone 2,5	X	X	X	X	X			X		X	X
Herringbone 3,5		X		X				X		X	X
Herringbone 5				X				X		X	X

The herringbone patterns can be embossed with or without overflow channels.

Back coatings

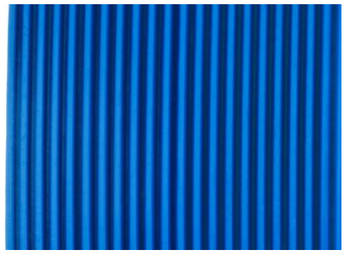
Typ	Adhesion	Friction coefficient[1] µ to V2A grinded steel	temperature-resistant °C	Abrasion mm³ DIN ISO 4649-A	Tear growth resistance N/mm DIN ISO 34-1Bb
35 Sh. signal grey.	very high	0,85 µ	-20°C - +65°C	165	30
45 Sh.A grey white	very high	0,80 µ	-20°C - +65°C	39	42
60 Sh.A ultramarine, EU/FDA	very high	0,70 µ	-30°C - +70°C	44	41
70 Sh.A sapphire blue, EU/FDA	very high	0,65 µ	-30°C - +80°C	45	45
75 Sh.A sky blue, EU/FDA	high	0,60 µ	-20°C - +80°C	30	55
80 Sh.A transparent, EU/FDA	high	0,55 µ	-20°C - +80°C	25	70
85 Sh.A ultramarine, EU/FDA	average	0,55 µ	-20°C - +80°C	25	70
85 Sh.A black, antistatisch[2]	average	0,55 µ	-20°C - +80°C	54	65
90 Sh.A white, EU/FDA	low	0,45 µ	-15°C - +85°C	25	85

The EU/FDA-compatible types are highly resistant to hydrolysis, cold and microbes and thereby especially suitable for the use in wet areas.

[1] According to Pflug test specification SPPN 91.001
[2] Tested according to DIN EN 61340-2-3. Volume resistance [W] approx. 10^4. Specifications may vary depending on the production batch.

Embossing structures

Longitudinal
from 310 mm / max. wide: 50 mm

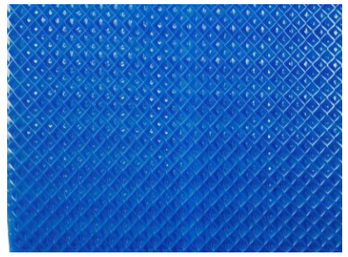


Longitudinal PJ
from 310 mm / max. wide: 85 mm

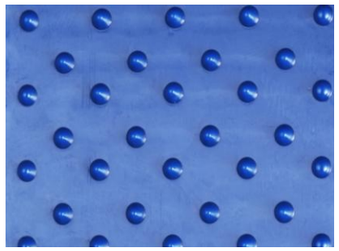
Cross groove
from 310 mm / max. wide: 50 mm

Saw tooth
from 310 mm / max. wide: 50 mm

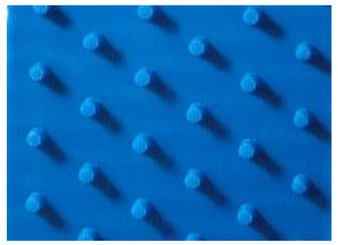
Fabric pattern
from 310 mm / max. wide: 50 mm



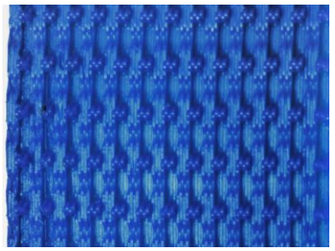
Negative pyramid
from 310 mm / max. wide: 50 mm



Spikes
from 1000 mm / max. wide: 100 mm



Studs
from 1000 mm / max. wide: 100 mm



Super grip
from 1100 mm / max. wide: 65 mm

Herringbone 2,5
from 1000 mm / max. wide: 50 mm

Herringbone 3,5
from 1000 mm / max. wide: 50 mm

Herringbone 5
from 1000 mm / max. wide: 50 mm

Minimum length for AT10 profiles is 380 mm, for HTD8M 376 mm.

Other pattern structures and widths on request.

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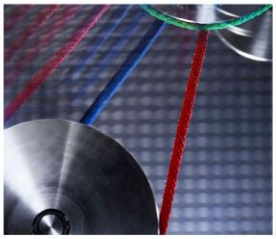
Company profile



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Testing Service

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Welded timing belts
in short lengths

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Round belts for
heat-setting machines

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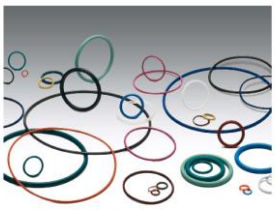
Endless injected round belts



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Endless turned round belts

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Endless plaited round belts

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Hooked belts

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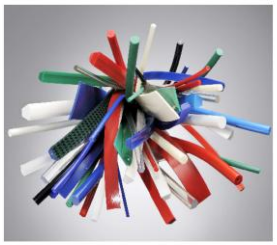
PU round- and profile belts



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PU profile belts and
special profiles

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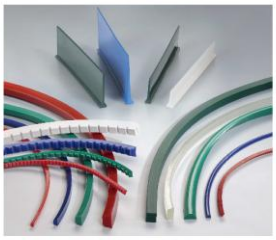
PU tracking guides, cleats
and guides



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Food line

Types for the food industry compliant to EU/FDA

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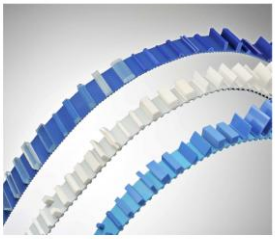
PU cleats and block profiles



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PU Poly-V belts

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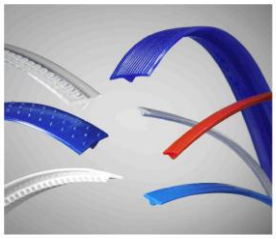
PU-V-guide belts
compliant to EU/FDA



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PU coatings

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