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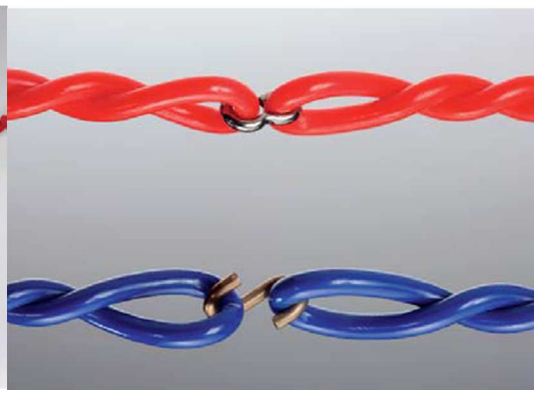
Driving gear and conveyor technology
Profiled belts
Continuous round belts
turned and plaited

Hooked belts

PU-hook belts

Textile hook belts



Different connection hooks

Hook belts

Hook belts are the ideal solution for drive or conveying systems where several belts are located on one shaft. Their simple installation procedure results in considerably reduced downtimes and maintenance costs.

To install, simply insert the belt. The belt is then connected to the hook, then the second hook side is closed using a pair of pliers. This easy process eliminates the need for complex and costly disassembly.

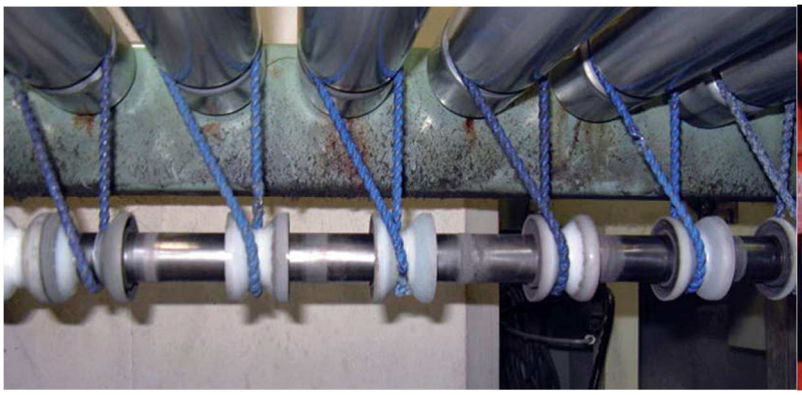
The minimum pulley diameter is approx. 3.5 times the belt diameter, meaning that even small pulley diameters can be realised in conveyor technique with PU belts.

PU-hook belts
From 4 mm – 10 mm Ø and from 130 mm – 1,700 mm LW untensioned.
Thanks to the wide range of raw materials we have access to, we manufacture models from 75° Sh A – 92° Sh A.
Certain models are also available with a roughened surface.
When using 90° hooks in V2A, the models 80°Sh.A transparent and 85°Sh.A blue are EU/FDA-approved.
Recommended preliminary tension: 6 – 12%

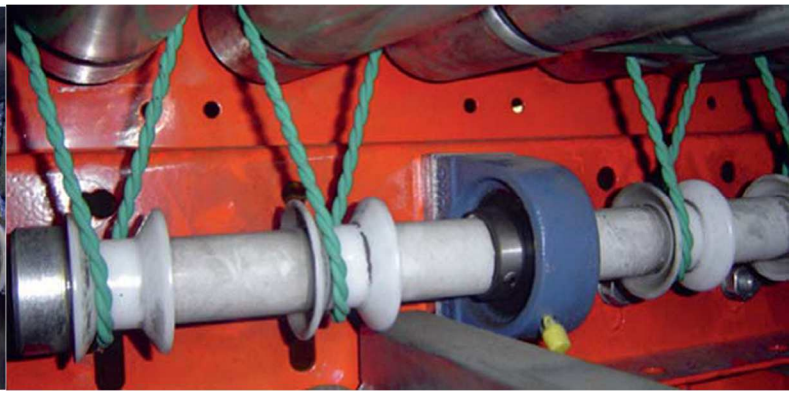
Textile hook belts
From 3 mm – 10 mm Ø and 100 mm – 2,000 mm LW untensioned.
Due to the textile surface the belts can be provided with a wide range of coatings and thus optimised for individual applications.
Recommended preliminary tension: 15 – 20%

All belts are available with two different metal hooks.
The standard C-hook is supplemented by a 90° V2A hook for demanding applications or direct contact with food.
The 90° hooks improve running smoothness by up to 15%.

Application: low-speed drives in transportation and conveying technology, sorting systems, special machinery, paper industry, packaging systems, conveying machinery, roller guides, synthetics industry, logistics centres, etc.



Upright shaft drive in conveyor technology with textile hook belts PU blue



Upright shaft drive in conveyor technology with PU-hook belts 88° Sh.A

Material	Available ∅	Temperature-resistance °C	Elasticity	Coefficient of friction µ to polished V2A steel[1]
75 Sh.A red, smooth	4 – 10 mm	-20°C - +60°C	High	0,60 µ
80 Sh.A transparent, smooth, EU/FDA	4 – 10 mm	-20°C - +60°C	High	0,55 µ
85 Sh.A blue, smooth, EU/FDA	4 – 10 mm	-20°C - +60°C	Mid	0,55 µ
85 Sh.A green, smooth	4 – 10 mm	-20°C - +60°C	Mid	0,50 µ
88 Sh.A green, rough	4 – 10 mm	-20°C - +60°C	Mid	0,40 µ
90 Sh.A white, smooth, EU/FDA	4 – 10 mm	-15°C - +70°C	Low	0,45 µ

Reaction forces of PU-Hook belts with 8% Elongation[2]

Material	4 mm Ø	5,6 mm Ø	7,2 mm Ø	8,3 mm Ø	10 mm Ø
75 Sh.A red, smooth	12 N	26 N	46 N	72 N	106 N
80 Sh.A transparent, smooth, EU/FDA	11 N	24 N	44 N	68 N	98 N
85 Sh.A blue, smooth, EU/FDA	11 N	24 N	45 N	69 N	100 N
85 Sh.A green, smooth	11 N	24 N	46 N	70 N	102 N
88 Sh.A green, rough	16 N	34 N	60 N	94 N	136 N
90 Sh.A white, smooth, EU/FDA	18 N	40 N	72 N	112 N	162 N

Types of textile Hook belts

Material	Available ∅	Temperature-resistance °C	Elasticity	Coefficient of friction µ to polished V2A steel[1]
PA.66-ULY	3 – 10 mm	-10°C - +80°C	High	0,14 µ

Textile hook belts can be extremely modified concerning expansion and elasticity, therefore we do not list any specific reaction forces.

Temperature-resistance depends on the extent of mechanical stress and various environmental effects.

Belt coatings for textile Hook belts

Material	Temperature-resistant up to °C	Coefficient of friction µ to polished V2A steel[1]	Coefficient of friction µ to high density polyethylen[1]
PU	80°C	0,30 µ	0,25 µ
Rz100	130°C	0,20 µ	0,15 µ
EVA	140°C	0,30 µ	0,25 µ
LA	90°C	0,35 µ	0,30 µ

Please note that the coefficient of friction can vary according to the operation temperature.

All coatings can be delivered in various colours such as red, blue, green, yellow, black, etc.

Further coatings for special applications on request.

We gladly advise you in choosing material combinations and support you with technical calculations to find the most suitable belt type for your needs.

Chemical resistance on request.

[1] According to Pflug test specification SPPN 91.001
[2].Dynamically tested at 2000 r/min.

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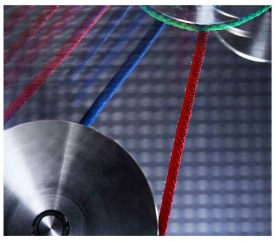
Company profile



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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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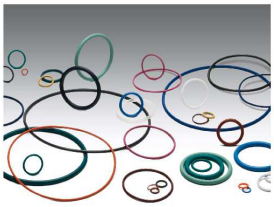
Endless injected round belts



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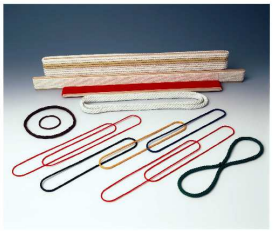
Endless turned round belts



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Endless plaited round belts

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Hooked belts

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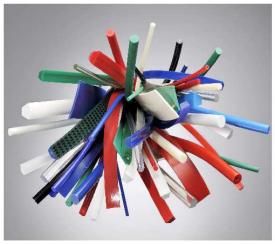
PU round- and profile belts



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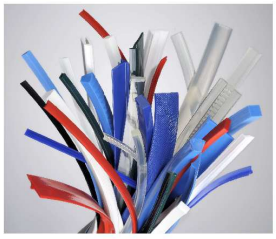
PU profile belts and
special profiles



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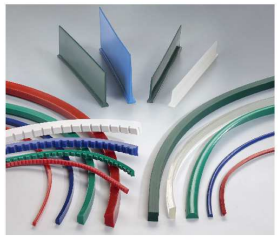
PU tracking guides, cleats
and guides



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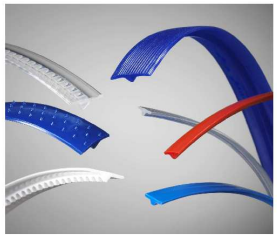
PU-V-Guide belts
compliant to EU/FDA



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Food line

Types for the food industry compliant to EU/FDA

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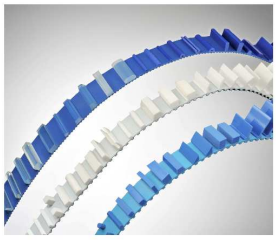
PU cleats and block profiles



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PU Poly-V belts

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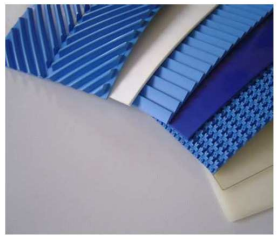
PU coatings



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