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

PU-Poly-V Belts

PU-Poly-V Belts Profile PJ

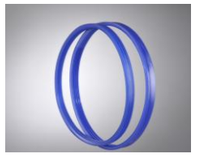
PU-Poly-V belts are the ideal form-fitting elements for transmitting medium power with low slip. Thanks to their elasticity, they can be made without any complicated tensioning devices and cut to any desired length. The low belt thicknesses permit the smallest disc diameters with optimal power transmission.
Through the ribbed structure on the running side, they can be guided easily, ensuring good power transmission or smooth movement of the goods.

Elastic types

Type: 330
75 Sh. A, rot
For transport tasks with the smallest deflection radii
avaliable in 3PJ + 4PJ

Type: 334
90 Sh. A, ultramarine blue, EU/FDA
For direct contact with foodstuffs
avaliable in 3PJ + 4PJ

Semi-elastic types

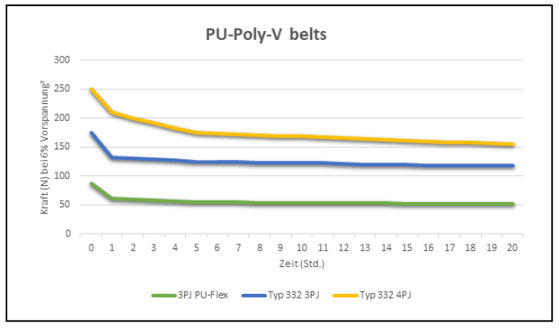


Type: 324
70 Sh. A, sapphire blue
Aramid reinforcement
Cryogenic type to -30 °C
avaliable in 3PJ + 4PJ

Type: 332
85 Sh. A, blac, antistatic
Aramid reinforcement
For highest power transmission and roller conveyors
avaliable in 3PJ + 4PJ

Type 332 has been specially developed for use in conveyor systems for driving transport rollers. The transport roller drive heads are mostly designed with nine grooves. Most of the power heads of the conveyor rollers have nine splines, thus enabling the use of two 4PJ belts from one conveyor roller to the next, in order to achieve optimal transmission performance.

Due to the semi-elastic aramid reinforcement in combination with the protected shape welding1, three times the power transmission at 6% pre-tension can be achieved with a 4PJ belt as compared to a commercially available 3PJ PU-Flex plus belt.



[1] (Utility Model No. 20 2014 010 743)
[2] Dynamically tested at 2000 rpm.

The flat back of the belt provides an optimal contact surface for all transport applications – due to the small belt thickness – with the smallest deflection radii.

The wide range of available pattern structures applied by direct embossing allows PU-Poly-V-belts to be adapted directly to the given requirements such as traction, drainage of fluids and adhesive properties.

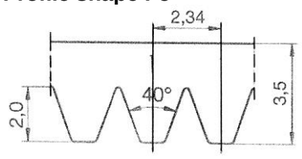
Type 334 is produced as an EU/FDA compatible type for direct contact with unpacked foodstuff.

It is highly resistant to hydrolysis, cold and microbes and thus particularly suitable for use in wet surroundings.

For applications requiring smaller disk diameters, softer types can also be produced to EU/FDA standards.

Due to its antistatic properties, type 332 is ideally suited for use in the direct vicinity of electronic components. Through the grounding of electrical discharges, interference and damage to the sensor system can be avoided.

Profile shape PJ



All types are made as from 250 mm in the factory using shape welding1 to withstand the highest loads.

Available as from 350 mm with unlimited embossing. Pattern structures for embossing on request.

The EU/FDA-compatible types are highly resistant to hydrolysis, cold and microbes.

Further types and hardnesses on request.

For technical data, see the corresponding data sheets.

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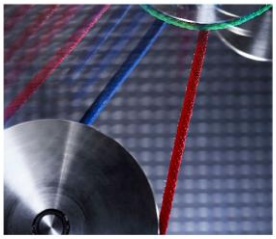
Company profile



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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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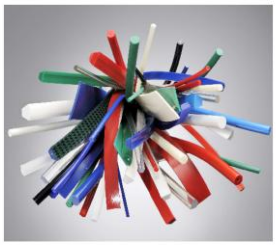
PU round- and profile belts



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PU profile belts and
special profiles

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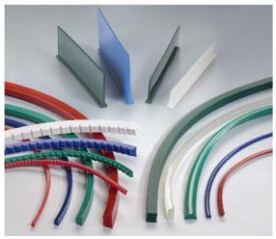
PU tracking guides, cleats
and guides



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Food line

Types for the food industry compliant to EU/FDA

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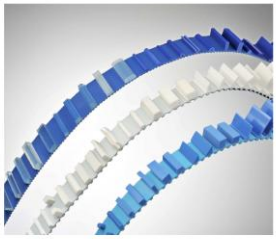
PU cleats and block profiles



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PU Poly-V belts

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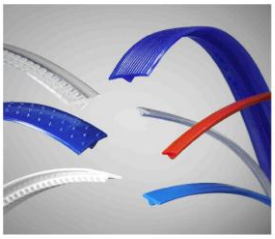
PU-V-guide belts
compliant to EU/FDA



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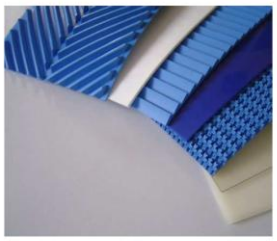
PU coatings



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Pflug Antriebs- und Fördertechnik
Lange Str. 38
D-89547 Gerstetten-Dettingen

Phone: 0049 (0)7324/5413
Fax.: 0049 (0)7324/5316

E-Mail: info@seilerei-pflug.de
Website: www.seilerei-pflug.de

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