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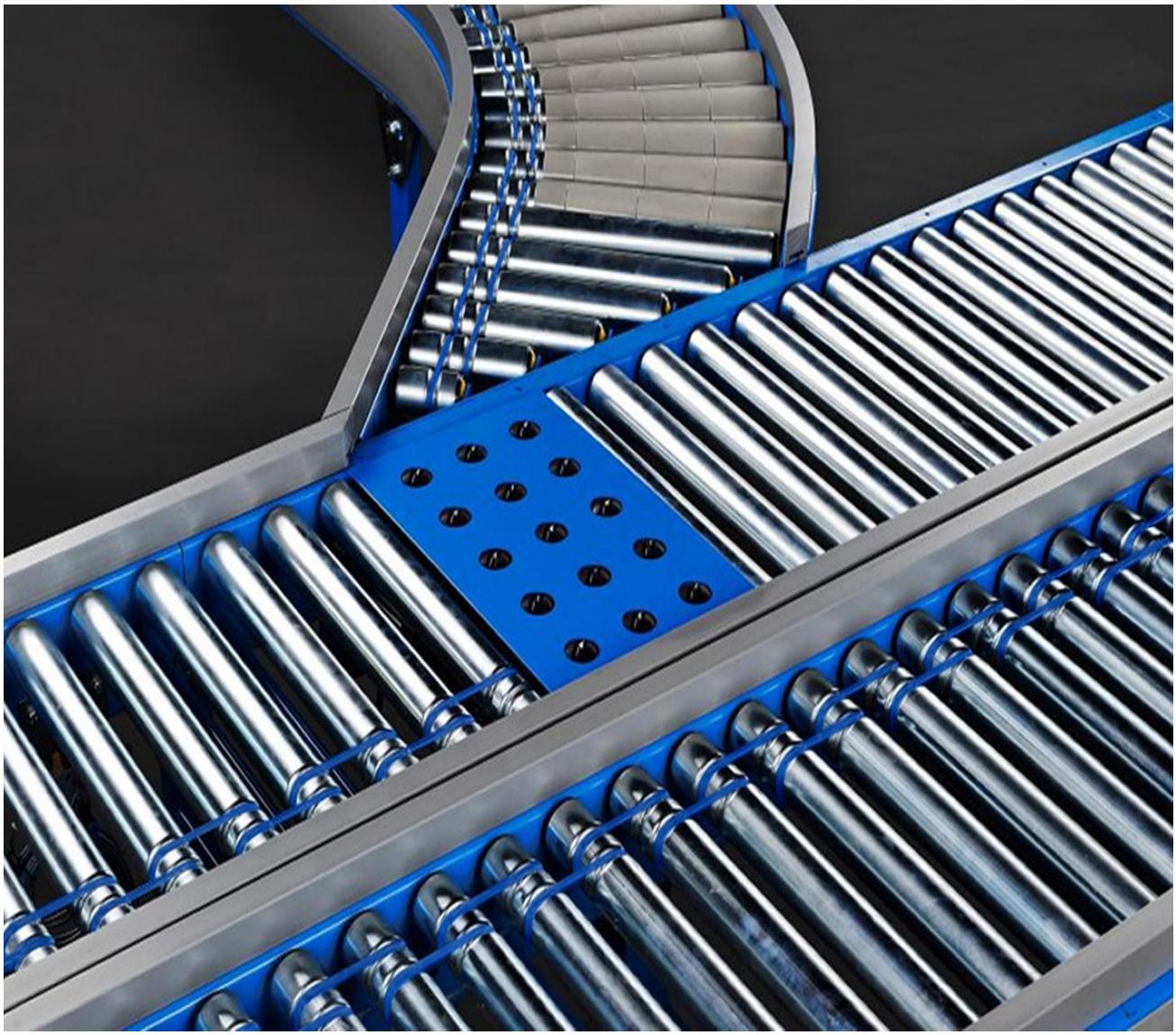
Driving gear and conveyo
technology
Profiled belts
Continuous round belts
turned and plaited

Drive Belts
for Roller Conveyors

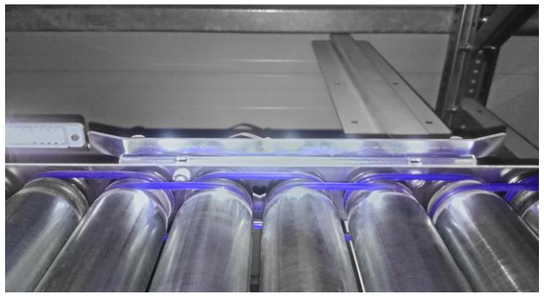


Drive Belts for Roller Conveyors

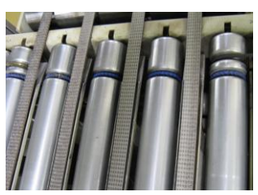
Due to the large number of types used, we can only give a brief overview of the most common designs and diameters. The selection of the belt type depends above all on the use of the roller conveyor and the weight to be transported.

Whether for low temperature applications in freezer cabinets down to -30 °C or transporting heavy loads requiring a high transmission power – we have the right belt. We pay special attention to the abrasion resistance in order to ensure our products have the highest possible service life.

PU-Round belts	Type 808 88 Sh.A green, rough			Type 807 80 Sh.A transparent			Type 804 85 Sh.A blue,smooth+rough		
∅	4 mm	5 mm	6 mm	4 mm	5 mm	6 mm	4 mm	5 mm	6 mm
Minimum pulley-diameter	35 mm	40 mm	50 mm	32 mm	38 mm	48 mm	32 mm	38 mm	48 mm
Pre-tension recommended	8%	8%	8%	8%	8%	8%	8%	8%	8%
Static tension for 8% pre-tension	31 N	47 N	68 N	22 N	34 N	49 N	22 N	35 N	49 N
Coefficient of friction V2A steel grindet [2]	0,40 µ	0,40 µ	0,40 µ	0,55 µ	0,55 µ	0,55 µ	0,55 µ	0,55 µ	0,55 µ
Minimum temperature[4] °C	- 10°	- 10°	- 10°	- 15°	-15°	- 15°	- 15°	- 15°	- 15°
Maximum temperature[4] °C	+ 65°	+ 65°	+ 65°	+ 60°	+ 60°	+ 60°	+ 60°	+ 60°	+ 60°
Antistatic	no	no	no	no	no	no	no	no	no



PU-Round belts	Type 802 85 Sh.A black, antistatic[3]			Type 834 70 Sh A sapphireblue EU/FDA			Type 828 85 Sh.A green, smooth		
∅	4 mm	5 mm	6 mm	4 mm	5 mm	6 mm	4 mm	5 mm	6 mm
Minimum pulley-diameter	35 mm	40 mm	50 mm	24 mm	30 mm	36 mm	35 mm	40 mm	50 mm
Pre-tension recommended	8%	8%	8%	8%	8%	8%	8%	8%	8%
Static tension for 8% pre-tension	22 N	35 N	50 N	13 N	21 N	30 N	22 N	35 N	50 N
Coefficient of friction V2A steel grindet [2]	0,55 µ	0,55 µ	0,55 µ	0,65 µ	0,65 µ	0,65 µ	0,50 µ	0,50 µ	0,50 µ
Minimum temperature[4] °C	- 15°	- 15°	- 15°	- 30°	- 30°	- 30°	- 15°	- 15°	- 15°
Maximum temperature[4] °C	+ 60°	+ 60°	+ 60°	+ 45°	+ 45°	+ 45°	+ 60°	+ 60°	+ 60°
Antistatic	yes	yes	yes	no	no	no	no	no	no

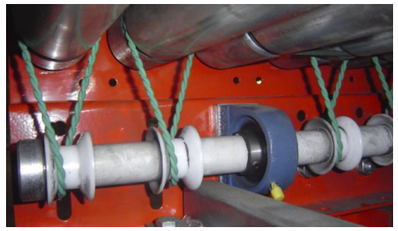


Textile Hook belts

PU-Round belts

Endless injected round belts

Endless wound Vulkollan round belts



PU-Hook Belts 88 Sh.A

PU-Hook Belts are used for preference with 6 to 12% pre-tensioning.

Textile hook belts are highly adaptable with regard to elongation and tensioning and are thus usually produced individually according to the application.

Textile Hook belts

Hollow belts	Type 810 75 Sh.A red, hollow		Type 814 85 Sh.A blue, hollow	
∅	4,8 mm	6,3 mm	4,8 mm	6,3 mm
Minimum pulley-diameter	30 mm	40 mm	34 mm	44 mm
Pre-tension recommended	8%	8%	8%	8%
Static tension bei 8% Vorspannung[1]	21 N	38 N	27 N	46 N
Coefficient of friction V2A steel grindet [2]	0,60 µ	0,60 µ	0,55 µ	0,55 µ
Minimum temperature[4] °C	- 15°	- 15°	- 15°	- 15°
Maximum temperature[4] °C	+ 60°	+ 60°	+ 60°	+ 60°
Antistatic	no	no	no	no

For the original equipment of vertical shafts we recommend the use of welded hollow belts.

To considerably reduce downtime and maintenance costs, PU-Hooked Belts are mainly used for refurbishment. **They are easy to install and reliable in use**.

Hook belts	Type 880 75 Sh.A red		Type 884 85 Sh.A blue		Type 885 85 Sh.A green		Type 887 80 Sh.A trans.		Type 888 88 ShA green,rough	
∅	4 mm	5,6 mm	4 mm	5,6 mm	4 mm	5,6 mm	4 mm	5,6 mm	4 mm	5,6 mm
Minimum pulley-diameter	15 mm	20 mm	16 mm	22 mm	16 mm	22 mm	16 mm	22 mm	18 mm	25 mm
Pre-tension recommended	8 %	8%	8%	8%	8%	8%	8%	8%	8%	8%
Static tension for 8% pre-tension	12 N	26 N	10 N	24 N	12 N	26 N	10 N	24 N	16 N	34 N
Coefficient of friction V2A steel grindet [2]	0,60 µ	0,60 µ	0,55 µ	0,55 µ	0,50 µ	0,50 µ	0,55 µ	0,55 µ	0,40 µ	0,40 µ
Minimum temperature[4] °C	- 15°	- 15°	- 15°	- 15°	- 15°	- 15°	- 15°	- 15°	- 10°	- 10°
Maximum temperature[4] °C	+ 60°	+ 60°	+ 60°	+ 60°	+ 60°	+ 60°	+ 60°	+ 60°	+ 65°	+ 65°
Antistatic	no	no	no	no	no	no	no	no	no	no

PU-Poly V-belts Profile PJ for heaviest transport loads. 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.

- **As from 250 mm with protected shape welding [5]**
- **Semi-elastic aramid reinforcements**
- **Optimal power transmission**
- **Any length required can be configured**

PU-Poly-V	Type 332 85 Sh.A black, antistatic[3] reinforced with aramid		Type 324 70 Sh.A sapphireblue reinforced with aramid	
Profil	3 PJ	4 PJ	3 PJ	4 PJ
Minimum pulley-diameter	30 mm	30 mm	21 mm	21 mm
Pre-tension recommended / Static tension[1]	5% / 117 N	5% / 176 N	4% / 80 N	4% / 92 N
Coefficient of friction V2A steel grindet[2]	0,55 µ	0,55 µ	0,65 µ	0,65 µ
Minimum temperature[4] °C	- 15°	- 15°	- 30°	- 30°
Maximum temperature[4] °C	+ 50°	+ 50°	+ 25°	+ 25°
Antistatic	ja	ja	nein	nein

Other belt types are shown in the brochures of the relevant product groups.
For the technical data concerning other diameters, please see the type datasheets.
We will be happy to advise you on individual applications and recommend the best type for your application.

[1] Dynamical tested at bei 2000 U/min
[2] According to Pflug test specification SPPN 91.001
[3]. Tested according to DIN EN 61340-2-3. Volume resistance [W] approx. 10^4. Specifications may vary depending on the production batch.
[4] Temperature range for the specified application. This data may differ for other applications.
[5] (Utility Model No. 20 2014 010 743)

The above information is believed to be correct .but does not purport to be all inclusive and shall be used only as a guide

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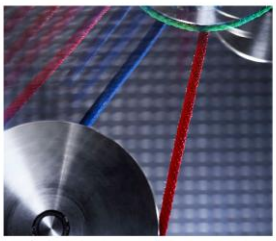
Company profile



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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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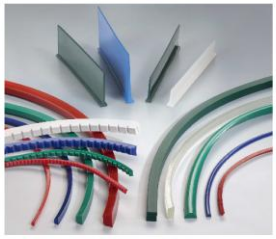
PU tracking guides, cleats
and guides



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Food line

Types for the food industry compliant to EU/FDA

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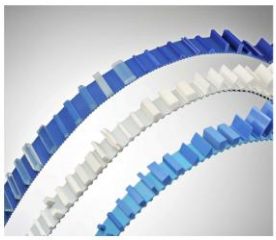
PU cleats and block profiles



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PU Poly-V belts

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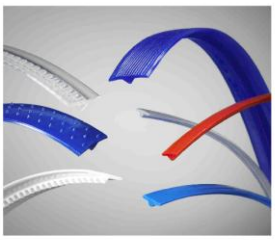
PU-V-guide belts
compliant to EU/FDA



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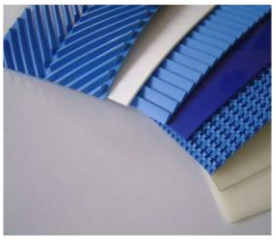
PU coatings



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