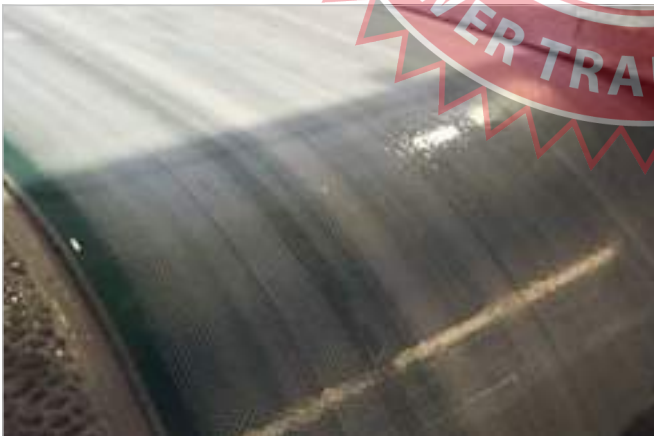


Polishing Machine Belts for Marble Slabs NAY-50EHDV, NAO-40EHDV, NAO-40EIDV



Main advantages

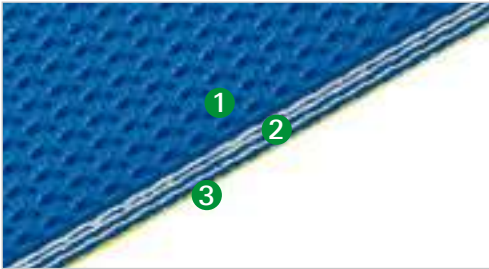
- High strength carcasses
- Low belt elongation
- Excellent abrasion and scratch resistance
- Low friction coefficient on running side
- Flat and high transversal rigidity
- Uniform thickness

NAY-50EHDV, with its top cover hardness 55 Shore A, is the best solution for big slabs marble polishing. The Y finishing has an excellent friction coefficient and allows a correct product positioning, also maintaining a good water outflow. The belt can be installed on machines with big interaxis thanks to the traction element and the low friction coefficient due to the strong PU impregnation. This allows smooth belt running. The resistant traction element together with high quality covers, gives NAY-50EHCV, excellent performances and long lifetime, making it the best in his category.

Polishing Machine Belts for Marble Slabs

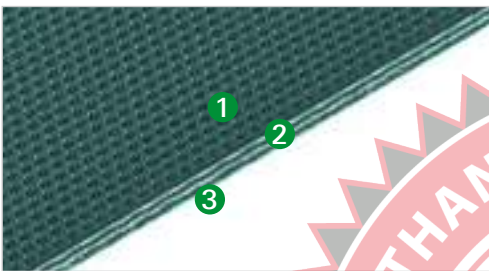
NAY-50EHDV, NAO-40EHDV, NAO-40EIDV

Cross-section



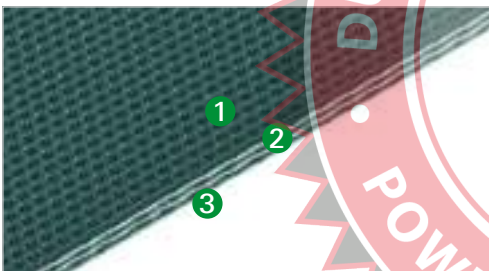
NAY-50EHCV

- 1 Conveying side: PVC, Surface Y
- 2 Traction layer: Polyester (PET)
- 3 Running side: Polyester (PET), Impregnated fabric



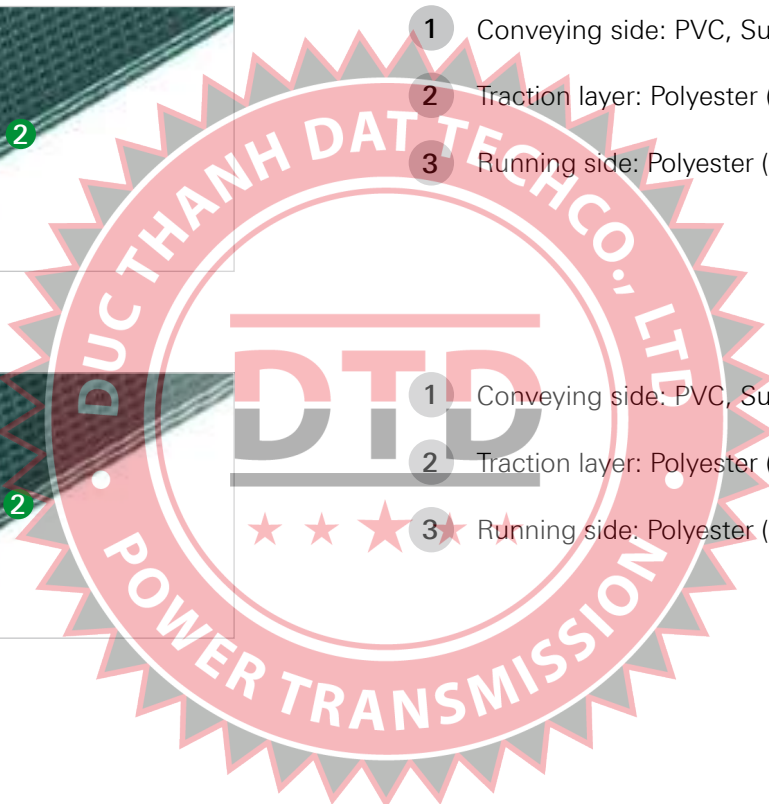
NAO-40EHDV

- 1 Conveying side: PVC, Surface Orbital
- 2 Traction layer: Polyester (PET)
- 3 Running side: Polyester (PET), Impregnated fabric



NAO-40EIDV

- 1 Conveying side: PVC, Surface Orbital
- 2 Traction layer: Polyester (PET)
- 3 Running side: Polyester (PET), Impregnated fabric



Technical key data

Type	Thickness		No. of plies	Minimum diameter		Admissible tensile force		Tensile force for 1% elongation (relaxed)		Hardness – Conveying side Shore A	Color of conveying side
	mm	inch		mm	inch	N/mm	lbs/inch	N/mm	lbs/inch		
NAY-50EHDV	9.0	0.35	4	350	13.78	48	274	26	148	50	Blue
NAO-40EHDV	7.0	0.28	3	300	11.81	42	240	22	126	70	Dark green
NAO-40EIDV	6.8	0.27	3	300	11.81	42	240	22	126	45	Dark green

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

2190FLY.SMC-en0118HOR

Granite Big Slabs Polishing Machine Belts NAS-40EHAV-S2 and NAS-50EHAV-S2



Main advantages:

- Perfect adhesion to processed products
- No slab rotation
- High elongation resistance
- Great for uneven surfaces
- Perfect transversal flatness
- Long life

The new hard PVC top cover, with reversed teeth, makes the belts NAS-40EHAV-S2 and NAS-50EHAV-S2, the best solution on the market. The perfect adhesion between the belt and the uneven granite surface, that characterizes this type of belts, has no equal among competitors. It ensures a perfect processing also on machines with long distances and high working speed.

Granite Big Slabs Polishing Machine Belts NAS-40EHAV-S2 and NAS-50EHAV-S2

Cross-section



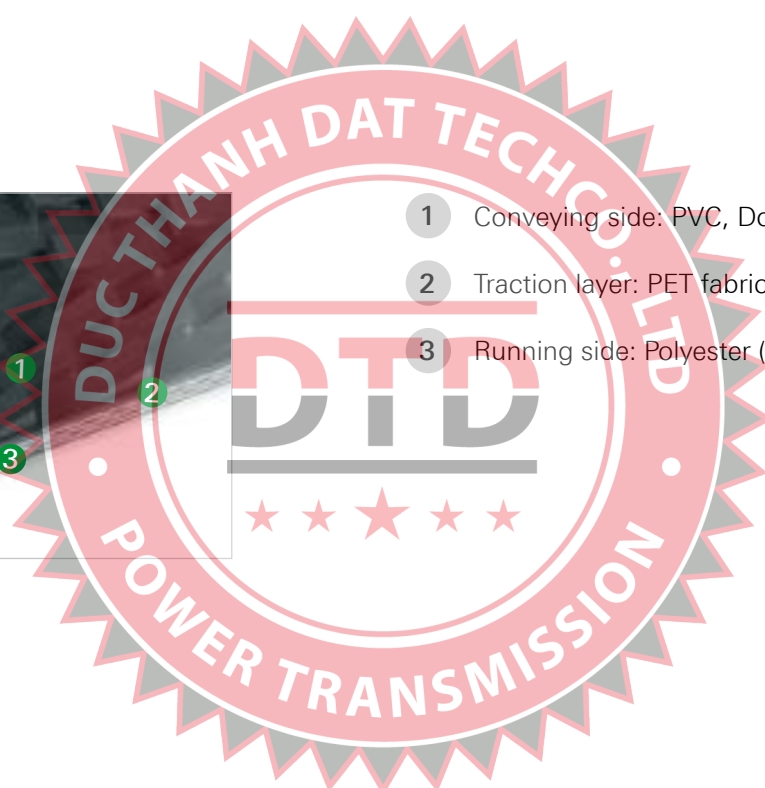
NAS-40EHAV-H2

- 1 Conveying side: PVC, Double Saw tooth
- 2 Traction layer: PET fabric
- 3 Running side: Polyester (PET), Impregnated fabric



NAS-50EHAV-H2

- 1 Conveying side: PVC, Double Saw tooth
- 2 Traction layer: PET fabric
- 3 Running side: Polyester (PET), Impregnated fabric



Technical key data

Type	Thickness		No. of plies	Minimum diameter		Admissible tensile force		Tensile force for 1% elongation (relaxed)		Hardness – Conveying side	Color of conveying side
	mm	inch		mm	inch	N/mm	lbs/inch	N/mm	lbs/inch	Shore A	
NAS-40EHAV-S2	12.0	0.47	3	300	12	42	240	22	126	50	Anthracite
NAS-50EHAV-S2	14.0	0.55	4	400	16	48	274	26	148	50	Anthracite

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/ disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

2191FLY.SMC-en0118HQ

Crosslapper Belts



Nonwoven materials are used in a wide range of industries, including medical care, filtering, construction, and automotive.

In many production lines for nonwoven materials, the crosslapper is key not only to the design of the typical 90° shape of the production line, but also to its productivity and the quality of the nonwoven product.

Habasit's crosslapper belt design is optimized for high production speeds and dynamic loads, thus, enabling our customers to improve the reliability, quality and productivity of their equipment and processes in line with Habasit's mission.

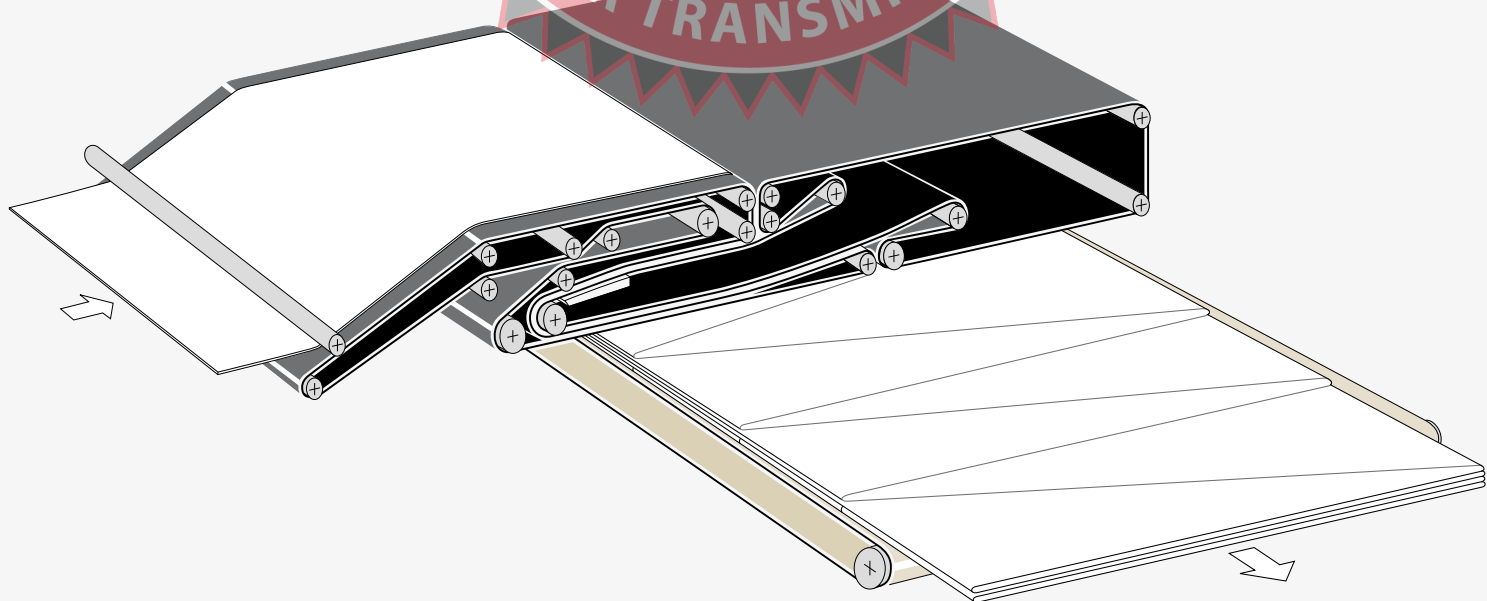
Our crosslapper belts combine a low belt weight, high flexibility in the running direction, a good lateral stiffness, and a wear resistant belt surface, delivering optimal production performance with a long service life.

The belt's excellent electrical conductive properties prevent fibers from sticking to the belt due to static charges.




Habasit's extensive service network, with a strong presence in all the major international markets, is ready to support wherever you are located around the world.

Performance summary

Key features	Your benefits
<ul style="list-style-type: none">• High-grade TPU combined with a chemical-resistant polymer surface coating	<ul style="list-style-type: none">• No brittling, ageing, or micro cracking of the belt surface• No hooking of fibers on the belt surface• Long belt service life
<ul style="list-style-type: none">• Highly electrically conductive properties	<ul style="list-style-type: none">• No accumulation of fibers due to static charges• Safe belt condition even at high belt speeds
<ul style="list-style-type: none">• Low belt weight• Good longitudinal flexibility• High lateral stiffness	<ul style="list-style-type: none">• Optimized for high belt speeds and dynamic running conditions• Less tensioning required• Reduced operating costs
<ul style="list-style-type: none">• Homogenous Flexproof (finger) joining	<ul style="list-style-type: none">• Non-marking belt joint• Strong and reliable belt joint• Joining area as flexible as the rest of the belt
<ul style="list-style-type: none">• Excellent release properties	<ul style="list-style-type: none">• Suitable for all man-made fibers• No sticking of fibers to the belt surface



Technical key data

Product code		ENB-6EE	ENT-6EE	ENB-9EE
Cross-section				
Surface structure		Smooth (matt)	Impregnated fabric	Smooth (matt)
Surface material		PUR cross-linked	PUR cross-linked	PUR cross-linked
Belt thickness	[mm]	1.0	0.8	1.2
Belt weight	[kg/m ²]	1.0	0.7	1.3
Tensile force for 1% elongation (relaxed)	[N/mm]	4.0	4.0	6.0
Seamless production width	[mm]	4000	4000	4000
Minimum pulley diameter with counter flection	[mm]	50	50	50
Specific properties		<ul style="list-style-type: none"> Well-proven on many demanding applications Smooth/matt surface and non-marking joint Optimal for fast-running crosslappers 	<ul style="list-style-type: none"> Light-weight belt with structured top surface Optimal for fast-running crosslappers 	<ul style="list-style-type: none"> High strength in transversal direction Suitable for single driven applications and robust application conditions



Solutions in motion



Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that have led the global market for decades.



Belt selection and calculation assistance

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at selecalc.habasit.com.



Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.



Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.



Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location. ★



Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customers' sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/ disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

4100FLY.CVB-en0419HQR

Printing Blankets for Textile Printing



The market leader for over 30 years	3
Digital textile printing	4
Screen printing	5
Premium Line printing blankets	6
Performance Line printing blankets	8
Features and benefits	9
Solutions in motion	10
Contacts	12



Habasit – the first manufacturer of TPU printing blankets

Habasit was the first belting manufacturer to provide TPU-based printing blankets to the textile industry over 30 years ago. The clear superiority of the belts' performance, as well as their ease of installation in comparison with previous solutions, made Habasit printing blankets the first choice for OEMs and textile printing end users.

Habasit – the first to provide high-strength aramid printing blankets

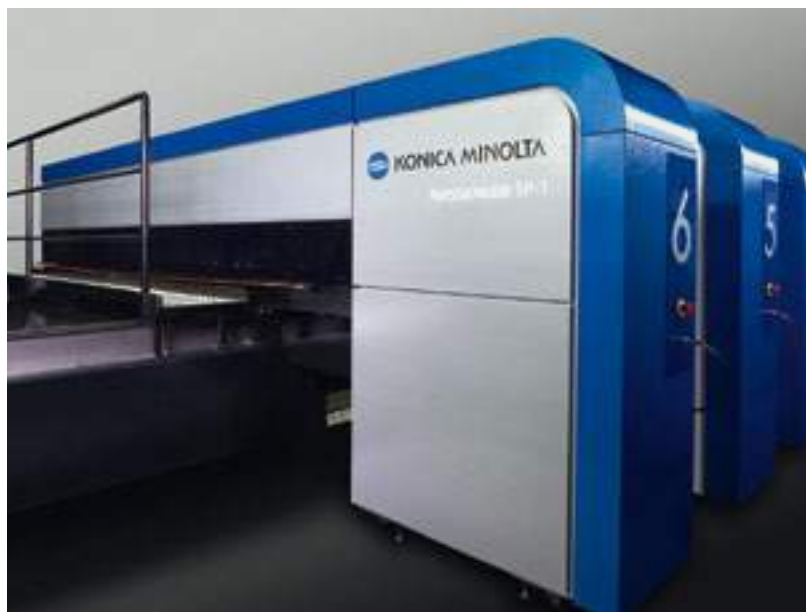
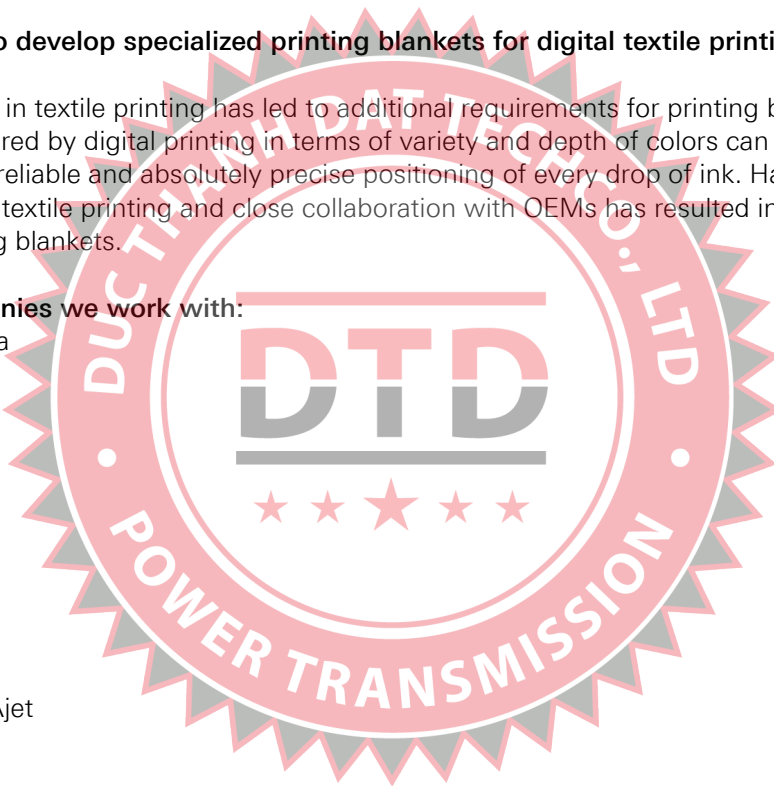
As new fashions called for more colorful designs, the number of printing colors and the length of the printing area increased, leading to a demand for greater printing accuracy. Habasit's aramid printing blankets continue to deliver exceptional performance in such applications, and have become key for further developments in textile printing.

Habasit – the first to develop specialized printing blankets for digital textile printing

The digital revolution in textile printing has led to additional requirements for printing blankets. The new options offered by digital printing in terms of variety and depth of colors can only be realized through the reliable and absolutely precise positioning of every drop of ink. Habasit's expert knowledge of textile printing and close collaboration with OEMs has resulted in a new generation of printing blankets.

Some of the companies we work with:

- Atexco – Honghua
- Colorjet
- EPSON Robustelli
- Huisheng
- Konica Minolta
- Mimaki
- MS
- EFI-Reggiani
- SPGPrints
- Toshin Ichinose
- Zimmer
- KERAtex by KERAjet



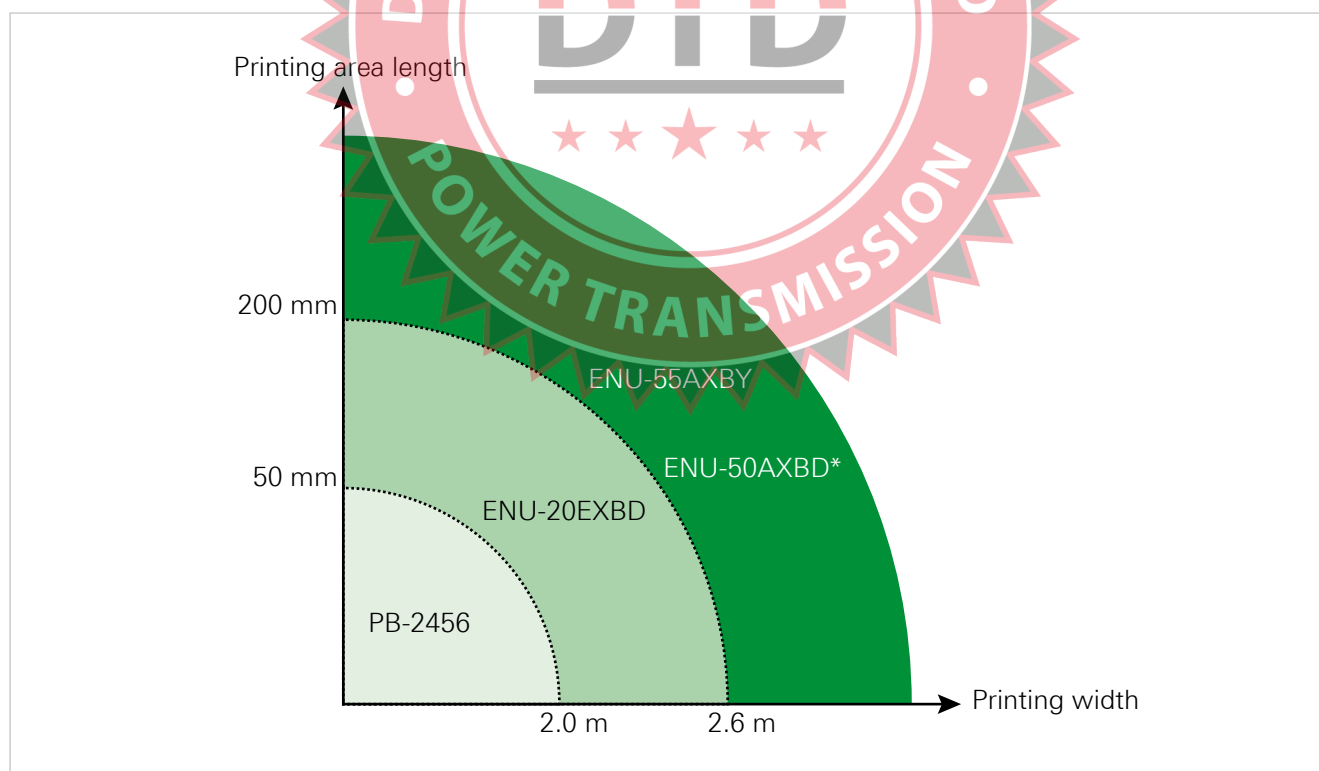
Digital textile printing requires extremely high printing blanket accuracy, since the ink drops must be placed on the textile with a precision of one hundredth of a millimeter. Habasit offers a full range of printing blankets optimized for every kind of digital textile printing machine, from plotter types to high-productivity and high-precision multi- or single-pass printing machines. The correct selection of the printing blanket type not only ensures the best printing results, but also delivers the most economical solution for the machine design.



Scanning printing machine

Single-pass printing machine

Selection graph for printing blankets

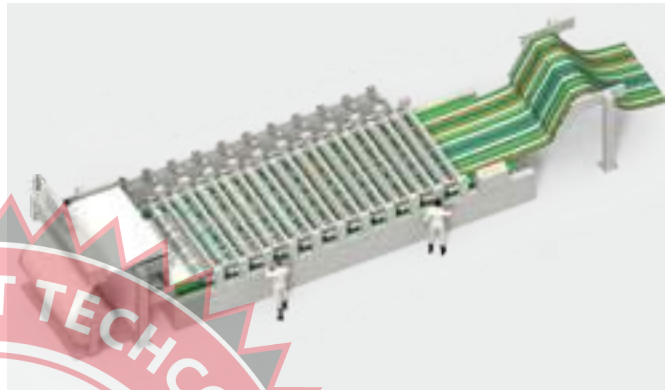


*For applications of more than 2.6 m width

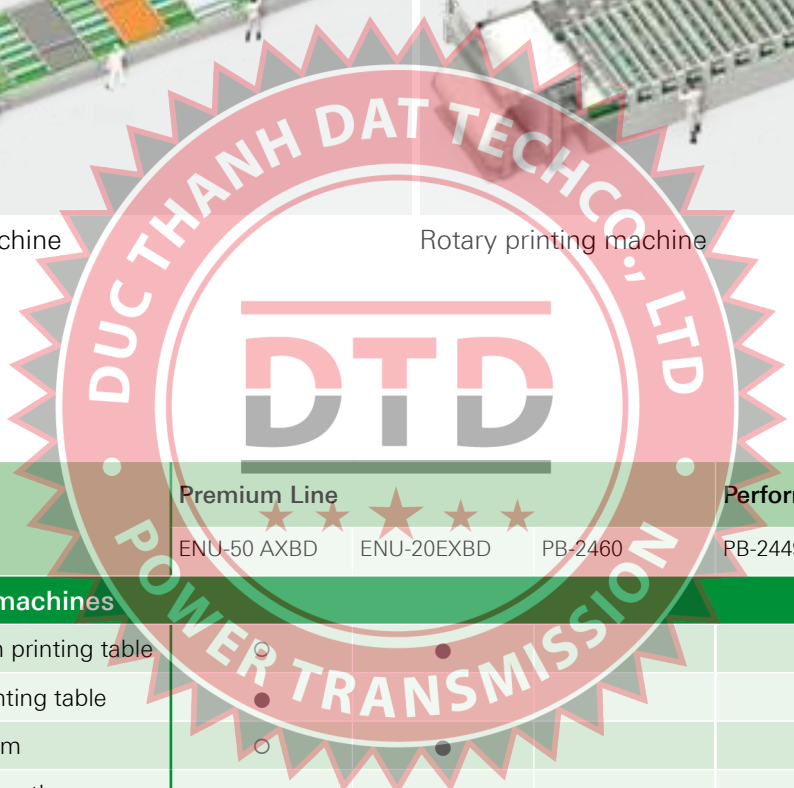
The printing blanket is the heart of every screen printing machine. The textile must be moved accurately through all the color screens. Habasit printing blankets have proven their exceptional performance in demanding screen printing applications all around the world, and are the first choice in the market today for both original equipment and replacements.



Flat-bed printing machine



Rotary printing machine

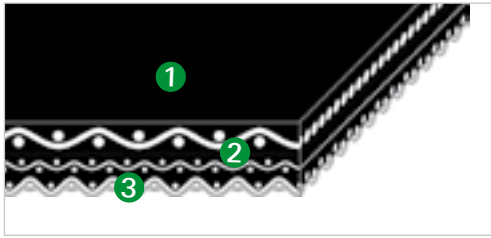


	Premium Line			Performance Line	
	ENU-50 AXBD	ENU-20EXBD	PB-2460	PB-2449	PB-2461
Flat-bed printing machines					
Twin drive up to 28 m printing table				○	
Twin drive >28 m printing table				○	
Single drive up to 20 m	○			○	
Clamping drive any length			●		●
Rotary printing machines					
Squeegee blades	○	○	○	○	○
Magnetic system up to 10 colors	○	●	○	○	○
Magnetic system >10 colors	●			●	

● Recommended choice ○ Possible alternative

Habasit Premium Line printing blankets are made in Switzerland to the highest production standards, thus ensuring that they deliver optimal product performance. Habasit Premium Line printing blankets are thoroughly tested for quality, which allows us to offer a warranty on their printing performance.

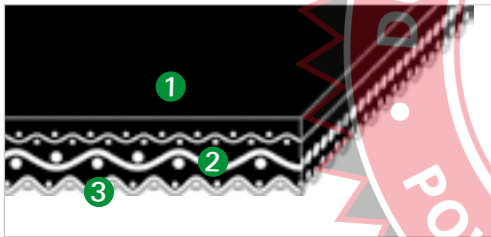
ENU-55AXBY



- 1 Conveying side: thermoplastic polyurethane (TPU)
- 2 Traction layer: aramid fabric
- 3 Running side: impregnated fabric

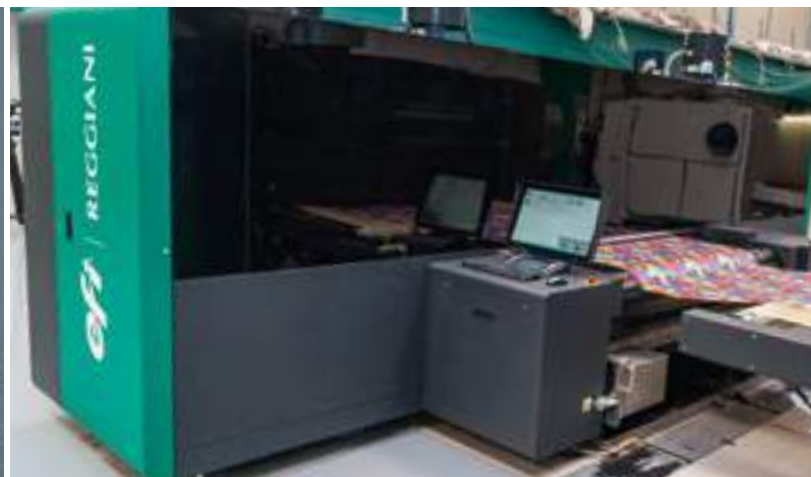
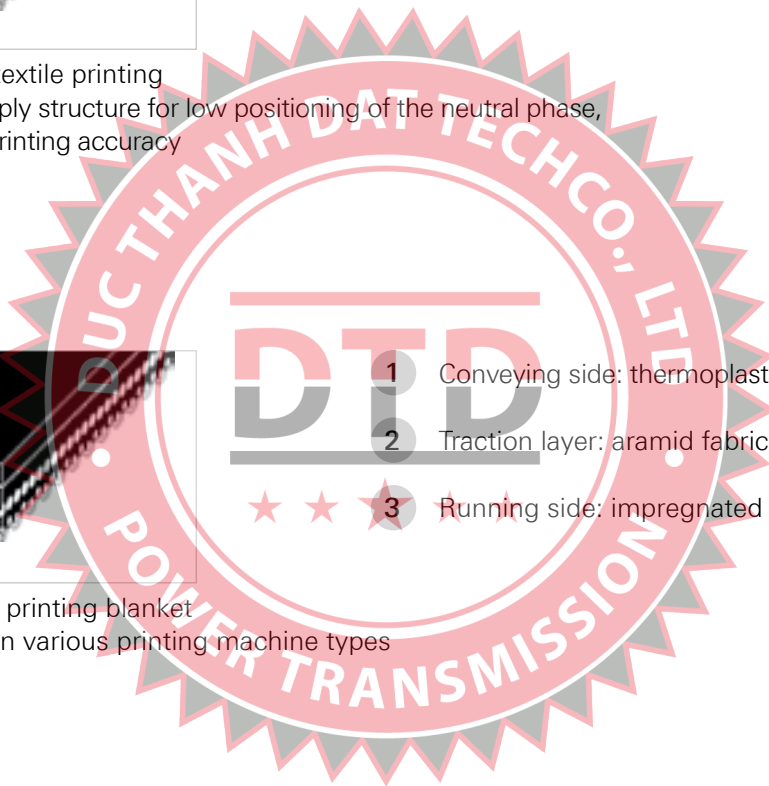
- Optimized for digital textile printing
- Unique asymmetric 3-ply structure for low positioning of the neutral phase, enabling the highest printing accuracy
- High lateral stiffness

ENU-50AXBD

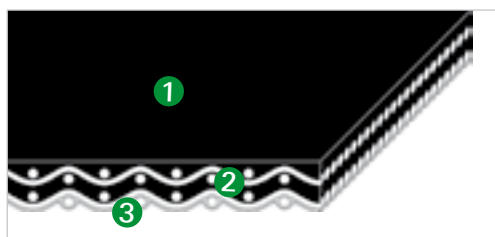


- 1 Conveying side: thermoplastic polyurethane (TPU)
- 2 Traction layer: aramid fabric
- 3 Running side: impregnated fabric

- High-strength aramid printing blanket
- Proven track record on various printing machine types
- High lateral stiffness



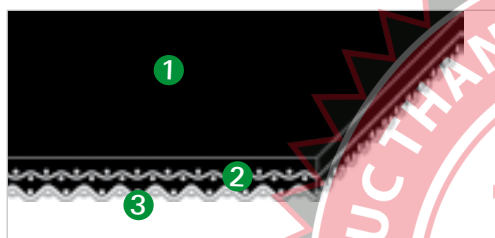
PB-2460



- 1 Conveying side: thermoplastic polyurethane (TPU)
- 2 Traction layer: polyester (PET) fabric
- 3 Running side: impregnated fabric

- Robust polyester printing blanket
- Thick TPU layer on top cover
- Optimized for conventional rotary printing machines with up to ten colors

ENU-20EXBD



- 1 Conveying side: thermoplastic polyurethane (TPU)
- 2 Traction layer: polyester (PET) fabric
- 3 Running side: impregnated fabric

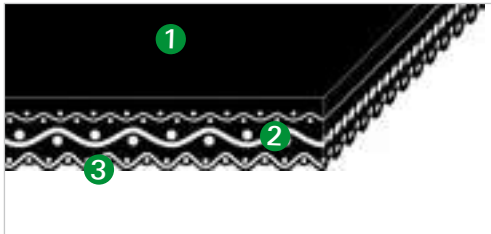
- Versatile polyester printing blanket for use in screen printing or digital printing applications
- Good strength and flexibility

Type	Thickness		Tensile force for 1% elongation (relaxed)		No. of fabrics	Traction layer material	Lateral stiffness		Neutral phase position	
	mm	inch	N/mm	lbf/inch			N*mm	lbf*inch	mm	inch
ENU-55AXBY	2.3	0.09	26	148.5	3	Aramid	750	4282	0.50	0.02
ENU-50AXBD	2.3	0.09	28	160	3	Aramid	700	3997	0.90	0.04
PB-2460	2.6	0.10	12	68.5	2	PET	425	2430	1.30	0.05
ENU-20EXBD	2.1	0.08	12	68.5	2	PET	225	1286	0.80	0.03



Habasit Performance Line printing blankets offer an unmatched price/performance ratio, making them an excellent choice as replacement belts or as original equipment for many different machine types. Habasit Performance Line printing blankets are available for all common textile printing applications.

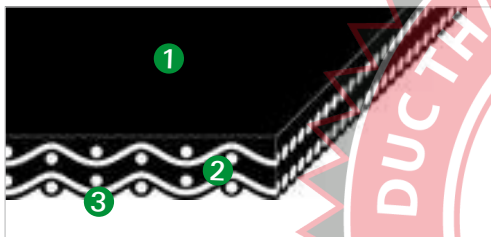
PB-2449



- 1 Conveying side: thermoplastic polyurethane (TPU)
- 2 Traction layer: aramid fabric
- 3 Running side: impregnated fabric

- High-strength aramid printing blanket
- High lateral stiffness

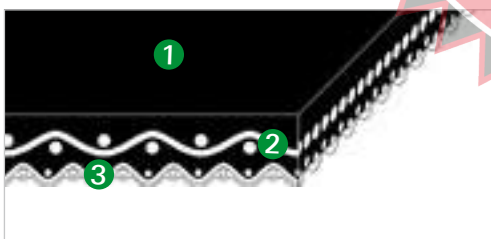
PB-2461



- 1 Conveying side: thermoplastic polyurethane (TPU)
- 2 Traction layer: polyester (PET) fabric
- 3 Running side: impregnated fabric

- Robust polyester printing blanket
- Thick TPU layer on top cover
- Good lateral stiffness

PB-2456



- 1 Conveying side: thermoplastic polyurethane (TPU)
- 2 Traction layer: polyester (PET) fabric
- 3 Running side: impregnated fabric

- Optimized for short digital scanning printing machines
- Low tensile force for elongation minimizes the belt load and saves costs on cylinders and bearings

Type	Thickness		Tensile force for 1% elongation (relaxed)		No. of fabrics	Traction layer material	Lateral stiffness		Neutral phase position	
	mm	inch	N/mm	lbf/inch			N*mm	lbf*inch	mm	inch
PB-2449	2.1	0.08	28	160	3	Aramid	500	2855	0.85	0.03
PB-2461	2.6	0.10	12	68.5	2	PET	425	2430	1.30	0.05
PB-2456	1.6	0.06	5	27	2	PET	150	856	0.55	0.02

Key features	Your benefits
<ul style="list-style-type: none"> • Homogeneous and even surface • Uniform thickness profile 	<ul style="list-style-type: none"> • High print quality • No marking on the print area
<ul style="list-style-type: none"> • High-grade TPU surface coating 	<ul style="list-style-type: none"> • High wear resistance • High chemical resistance • Easy to clean
<ul style="list-style-type: none"> • High chemical resistance • High thermal stability 	<ul style="list-style-type: none"> • Long service life
<ul style="list-style-type: none"> • Flexproof (finger) joints 	<ul style="list-style-type: none"> • Quick on-site joining • No marking on the print area



A global network at your service

Habasit has an extensive service network with a strong presence in all major international markets. A dedicated global technical support team of highly trained and experienced textile printing specialists and local experts is available to support you wherever you are in the world.

Whether assisting with the right choice of Habasit printing blanket, or aiding with machine design, the team is always ready to help you find the best solution for your application.

Our local fabrication teams are equipped with the latest know-how in terms of service, maintenance and joining for all on-site requirements or in-house fabrication, helping you to achieve outstanding printing accuracy and quality, long belt service life, and minimal downtimes.

For more information, please contact your local Habasit representative.

Customers first

Your success is our goal. That is why we don't just offer products; we provide solutions. As committed partners to our customers, we are dedicated to sharing our knowledge and providing full support.

Since our founding in 1946, Habasit has been finding ways to meet customer-specific needs in every application. This is what differentiates us as the #1 worldwide belting provider in the industry today.



Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that have led the global market for decades.



Belt selection and calculation assistance

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at selecalc.habasit.com.



Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.



Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.

Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location.



Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customers' sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.





Committed to innovation

Because our customers' belting challenges and needs are always changing, we consistently invest a substantial amount of labor and resources into the research and development of new products and solutions.

Certified for quality

We deliver the highest quality standards not only in our products and solutions, but also in our employees' daily work processes. Habasit AG is certified according to ISO 9001:2015.



Worldwide leading product range

Habasit offers the largest selection of belting, conveying, processing and complementary products in the industry. Our response to any request is nothing less than a specific, tailor-made solution.



HabaFLOW®
Fabric-based conveyor and processing belts



HabasitLINK®
Plastic modular belts



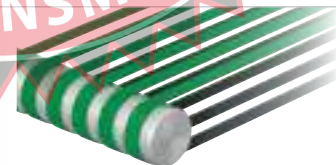
HabaDRIVE®
Power transmission belts



HabaSYNC®
Timing belts



HabaCHAIN®
Chains (slat and conveyor chains)



Machine tapes



Round belts



Seamless belts



HabiPLAST
Profiles, Guides, Wear strips



Accessories
(sprockets, flights, welding profiles, etc.)



Fabrication tools
(joining, cutting & preparing devices)

Australia

Habasit Australia Pty Ltd.
Silverwater, Sydney
Phone: +61 1300 945 455
www.habasit.com.au

Austria

Habasit GmbH, Wiener Neudorf
Phone: +43 1 690 66
www.habasit.at

Belgium & Luxembourg

Habasit Belgium N.V., Zaventem
Phone: +32 27 250 430
www.habasit.be | habasit.lu

Brazil

Habasit do Brasil, Barueri - SP
Phone: +55 11 4789 9022
www.habasit.com.br

Canada

Habasit Canada Ltd., Oakville
Phone: +1 905 827 41 31
www.habasit.ca

China

Habasit East Asia Ltd.
Fotan, Shatin, N.T., Hong Kong
Phone: +852 2145 0150
www.habasit.com.hk

Habasit (Shanghai) Co. Ltd.
Shanghai
Phone: +8621 5488 1218
www.habasit.com.cn

France

Habasit France SAS, Mulhouse
Phone: +33 3 89 33 89 03
www.habasit.fr

Germany

Habasit GmbH, Eppertshausen
Phone: +49 6071 969 0
www.habasit.de

India

Habasit India, Coimbatore
Phone: +91 422 666 78 00
www.habasit.in

Italy

Habasit Italiana SpA
Customer Care: 0438 911333
For int. calls: +39 0438 911444
www.habasit.it

Japan

Habasit Nippon Co., Ltd., Tokyo
Phone: +81 120 07 6339
www.habasit.co.jp

Korea (Republic of)

Habasit Korea Ltd., Seongnam
Phone: +82 31 737 9370
www.habasit.co.kr

Mexico

Habasit Rocua, Zapopan
Phone: +52 33 3824 2358
www.habasitrocua.mx

Netherlands

Habasit Netherlands BV, Nijkerk
Phone: +31 332 472 030
www.habasit.nl

New Zealand

Habasit New Zealand Pty Ltd.
Auckland
Phone: 0800 000 070
www.habasit.co.nz

Nordic countries

Habasit AB, Hindås, Sweden
Phone: +46 301 226 00
www.habasit.se

Poland

Habasit Polska Sp. z o.o.
Dąbrowa Górnicza
Phone: +48 32 639 02 40
www.habasit.pl

Russia

OOO Habasit Ltd.
Moscow Region
Phone: +7 495 966 1566
www.habasit.ru

Singapore

Habasit Far East Pte Ltd.
Singapore
Phone: +65 6862 5566
www.habasit.com.sg

South Africa

Habasit South Africa Pty Ltd.
Gauteng
Phone: +27 10 001 6770
www.habasit.co.za

Spain

Habasit Hispánica S.A.
Barberá del Vallés
Phone: +34 937 191 912
www.habasit.es

Switzerland

Habasit GmbH, Reinach
Phone: +41 61 577 51 00
www.habasit.ch

Taiwan

Habasit (Taiwan) Ltd.
New Taipei City
Phone: +886 2 2267 0538
www.habasit.com.tw

Turkey

Habasit Kayis San.
Ve Tic. Ltd. Sti., Istanbul
Phone: +90 444 70 43
www.habasit.com.tr

Ukraine

Habasit Ukraine LLC., Kyiv
Phone: +38 044 290 88 99
www.habasit.ua

United Kingdom & Ireland

Habasit UK Ltd., Elland
Phone: +44 333 207 6570
www.habasit.co.uk

USA

Habasit America
Suwanee, Georgia
Phone: +1 800 458 6431
www.habasitamerica.com

Habasit International AG

Römerstrasse 1
CH-4153 Reinach, Switzerland
Phone +41 61 715 15 15
Fax +41 61 715 15 55
www.habasit.com

Registered trademarks
Copyright Habasit International AG
Subject to alterations
4278FLY.CVB-en0918HQR

Energy and Cost Savings with Habasit Power Transmission Belts and Tapes

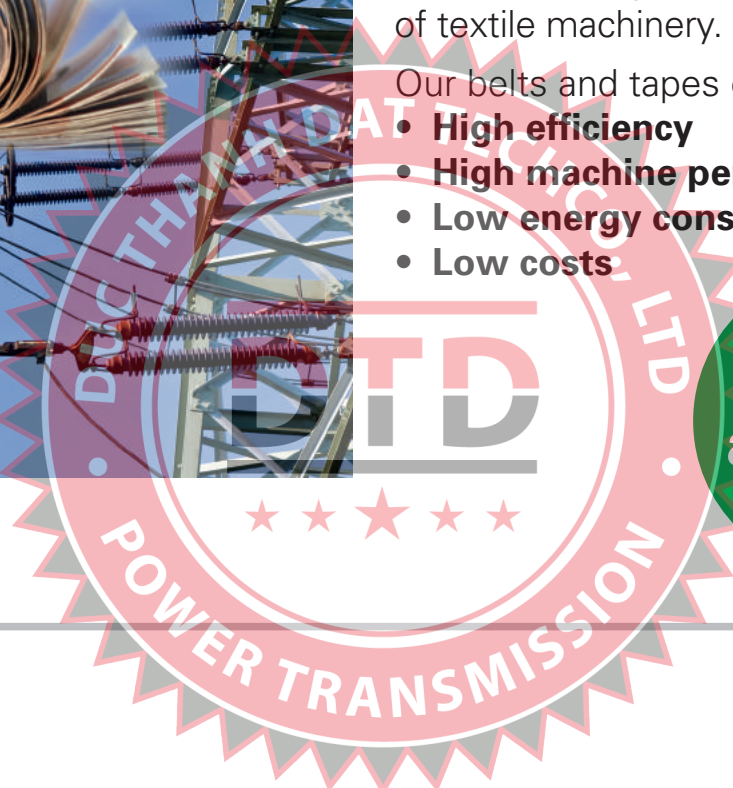


With energy costs increasing continuously, Habasit has the right solutions for energy and cost savings across the entire range of textile machinery.

Our belts and tapes offer:

- **High efficiency**
- **High machine performance**
- **Low energy consumption**
- **Low costs**

**4%–8%
energy
and cost
savings**



Energy savings with Habasit TC **tangential belts** compared with competitors' polyamide belts

Your savings

Compare the energy cost-saving potential of Habasit polyester TC and TF tangential belts with competitors' polyamide tangential belts:

→ Average energy-saving potential in percentage of power to be transmitted	4% – 6%
→ Average energy cost-saving potential per spindle / year	~ USD 1
→ Average energy cost-saving potential per year in a spinning mill with around 200,000 spindles	~ USD 200,000

Energy consumption comparisons – showing savings

Examples from India

Energy consumption comparison between competitor polyamide tangential belts and Habasit polyester TC tangential belts, made on Leewha TFO two-for-one twisters at the Rajasthan Spinning & Weaving Mills Ltd. in India:

	Example 1		Example 2	
	Competitor polyamide belt	Habasit TC-35ER belt	Competitor polyamide belt	Habasit TC-35/30ER belt
Spindle speed	9,100 rpm		10,100 rpm	
Consumed energy	24.32 kWh	22.82 kWh	23.3 kWh	22.3 kWh
Energy savings with Habasit TC belts		6.2%		4.3%

Examples from China

Energy consumption comparison between competitor polyamide tangential belts and Habasit polyester TC tangential belts, made on Zhejiang Weifeng WF-168 covering machines (840 spindles) in China:

	Example 1		Example 2	
	Yiwu Hangfei Covering Yarn Co. Ltd.		Shantou Covering Yarn Factory	
Energy savings per machine and day	24 kWh		21 kWh	
Average working days per year	300		360	
Energy costs per kWh	CNY 0.7	USD 0.11	CNY 0.7	USD 0.11
Energy cost-savings per machine and year	CNY 5,040	USD 792	CNY 5,292	USD 832
Number of machines installed	275		250	
Number of spindles per machine	840		840	
Total energy savings per year	CNY 1,386,000	USD 217,800	CNY 1,323,000	USD 207,900
Energy savings per year and spindle	CNY 6.00	USD 0.94	CNY 6.3	USD 0.99

Outstanding benefits of the TC and TF **tangential belts**

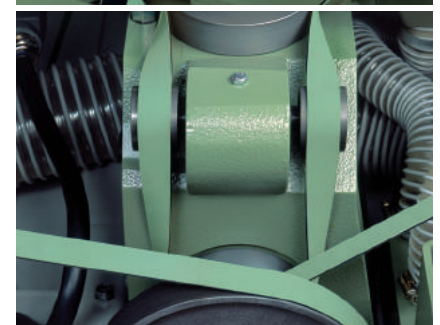
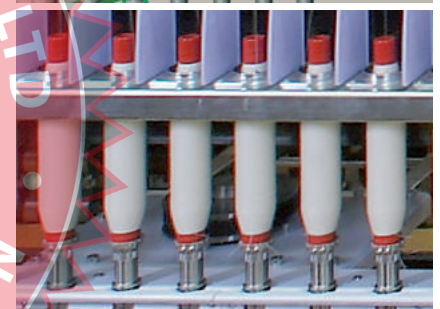
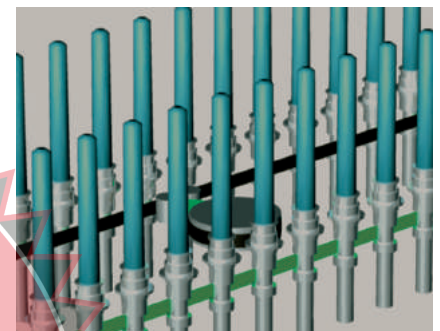
Developed for excellence

Habasit has developed its unique TC and TF belt ranges based on experience, ongoing research, close contacts with the textile industry, and long-term partnerships with leading machine manufacturers.

TC tangential belts: The high-efficiency tangential belt with a **polyester** traction layer, which results in high-accuracy spindle speeds.

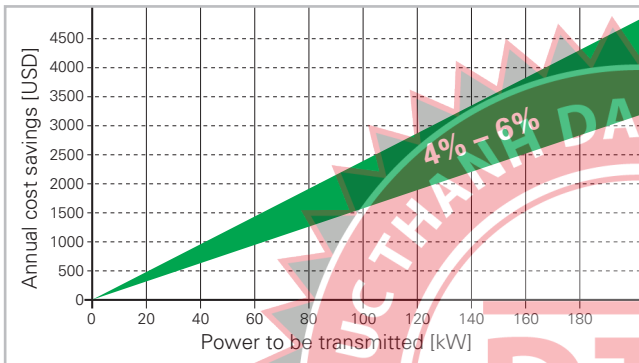
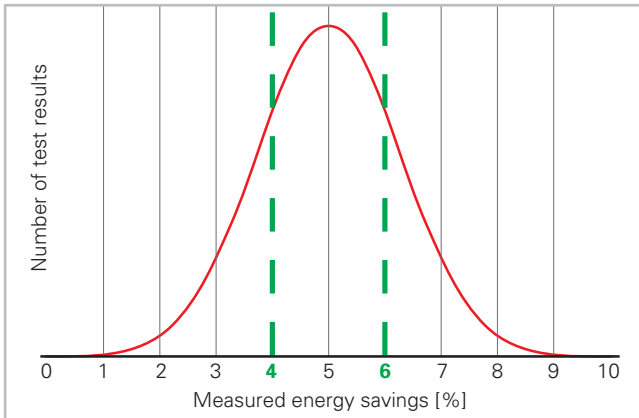
TF tangential belts: The high-efficiency tangential belt with an **aramide** traction layer, resulting in the highest accuracy spindle speeds and shortest take-up.

Features	TC	TF	Benefits
• High efficiency	●	●	<ul style="list-style-type: none"> → Energy and cost savings → Energy consumption reduced by 4% – 6% → Economical → Reduced operating costs
• Adhesive-free joining method	●	●	<ul style="list-style-type: none"> → Simple and fast joining → Easy handling (no adhesives) → Minimum equipment required → Short machine downtimes → Reduced operating costs
• Reliable and homogeneous joining quality	●	●	<ul style="list-style-type: none"> → High spindle speeds → No vibration → Consistent yarn quality
• TC range: high elastic modulus	●	●	<ul style="list-style-type: none"> → High accuracy of speed → Consistent yarn quality
• TF range: top-grade elastic modulus		●	<ul style="list-style-type: none"> → Highest accuracy of speed even with very long belts
• Optimized design	●	●	<ul style="list-style-type: none"> → Low noise emissions



For technical details or further information, please contact your local Habasit representative: www.habasit.com

Energy savings with Habasit TC and TF flat belt drives compared with V-belt drives



Join the energy-saving campaign

For peripheral equipment and plant infrastructure (e.g. fans, compressors, vacuum pumps, blowers, etc.)

Habasit also provides optimized driving belt solutions. Conversion campaigns at over 2,000 sites have demonstrated that switching from V-belts to Habasit's flat belts reduces energy consumption by **4% to 6%**.

Check your approximate energy cost-saving potential

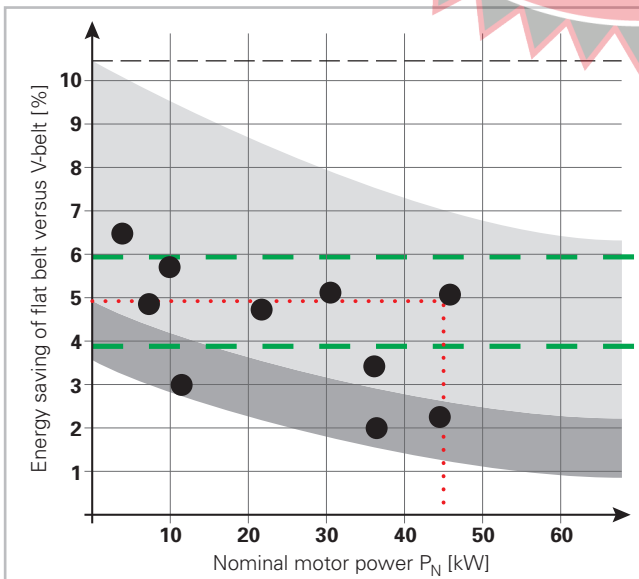
Assumption:
12 h/day
330 days/year
0.10 USD/kWh

**4%–6%
energy
and cost
savings**



Energy savings on fan drives

The energy-saving properties of the flat belt drive compared to the V-belt drive have been proved during practical tests.



● The illustration indicates the saved energy as a percentage, depending the nominal power of the installed motor.

- Partial load range
- Rated load (full load) range

Example (red dotted line):

Energy saving of a fan drive equipped with flat belts on a 45 kW motor:

- at rated load (full load) about 2%
- at partial load about 5%

As electric motors usually work at partial load, the energy-saving potential of a flat belt drive is considerable.

Average: **4% to 6% energy savings.**

World-famous Habasit W-8 **spindle tapes** are energy-saving champions

Saving energy

Saving energy is an important issue for the textile industry today, as power requirements are continuously increasing due to high-speed operations. The ring spinning frame is a major consumer of energy, taking 40% to 60% of total spinning mill energy consumption.

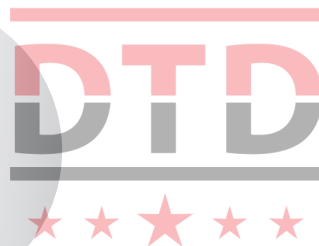
Of this, 1/3 of the power is used to drive the spindles. Spinning mill power costs currently account for about 12% to 18% of the total cost of production.

As a result, saving energy with the spindle tape has become even more vital in the spinning industry. Studies conducted by a leading research institute in South India on modern ring spinning frames at higher spindle speeds have shown convincing results.

Proven in field tests

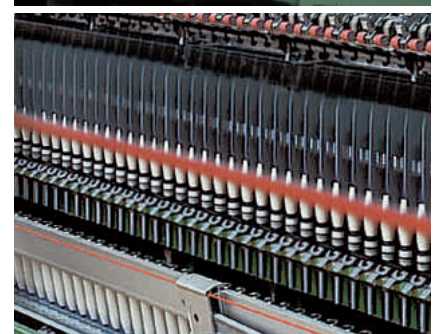
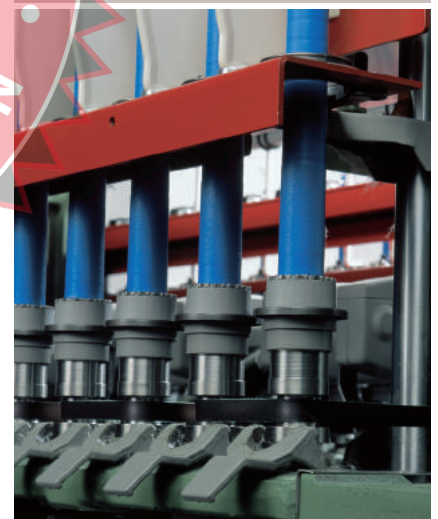
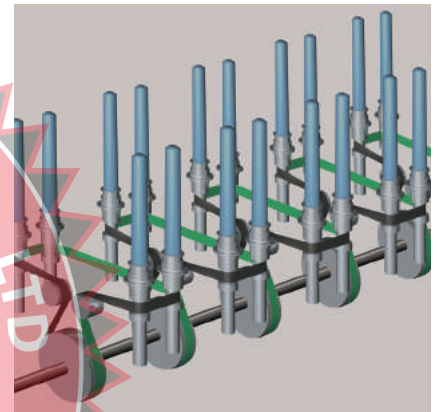
Field tests at reputed spinning mills have confirmed that the replacement of polyamide spindle tapes with the highly efficient Habasit polyester W-8 spindle tape provides **substantial energy and cost savings**.

**5%–8%
energy
and cost
savings**



Unique characteristics of the W-8 polyester spindle tape

Features	Benefits
• High tape flexibility	→ Low bending resistance
• Constant high friction (black side)	→ Reliable power transmission
• No fiber and fluff accumulation	→ No slip → Constant spindle speed → Consistent yarn quality
• Dimensional stability, no elongation	→ No slip → Constant spindle speed → Consistent yarn quality



Austria

Habasit GmbH, Wien
Phone: +43 1 690 66
www.habasit.at

Belgium

Habasit Belgium N.V., Zaventem
Phone: +32 2 725 04 30
www.habasit.be

Canada

Habasit Canada Ltd., Oakville
Phone: +1 905 827 4131
www.habasit.ca

China

Habasit East Asia Ltd., Hong Kong
Phone: +852 2145 01 50
www.habasit.com.hk

Habasit (Shanghai) Co., Ltd.
Shanghai

Phone: +8621 5488 1228
Phone: +8621 5488 1218
www.habasit.com.hk

France

Habasit France S.A.S., Mulhouse
Phone: +33 389 33 89 03
www.habasit.fr

Germany

Habasit GmbH
Eppertshausen
Phone: +49 6071 969 0
www.habasit.de

India

Habasit-lakoka Pvt. Ltd., Coimbatore
Phone: +91 422 262 78 79
www.habasitlakoka.com

Italy

Habasit Italiana SpA
Customer Care:
Phone: 199 199 333
For int. calls: +39 0438 911444
www.habasit.it

Japan

Habasit Nippon Co. Ltd., Yokohama
Phone: +81 45 476 03 71
www.habasit.co.jp

Netherlands

Habasit Netherlands BV, Nijkerk
Phone: +31 33 24 72 030
www.habasit.nl

New Zealand

Habasit Australasia Ltd., Hornby
Phone: +64 3348 5600
www.habasit.co.nz

Norway

Habasit Norge A/S, Oslo
Phone: +47 81 55 84 58
www.habasit.no

Poland

Habasit Polska Sp. zo.o.,
Dabrowa Górnicza,
Phone: +48 32 639 02 40
www.habasit.pl

Russia

OOO Habasit Ltd., St. Petersburg
Phone: +7 812 325 40 82
www.habasit.ru

Singapore

Habasit Far East Pte. Ltd., Singapore
Phone: +65 6862 55 66
www.habasit.com.sg

Spain

Habasit Hispanica S.A.,
Barberà del Vallès
Phone: +34 93 719 19 12
www.habasit.es

Sweden

Habasit AB, Hindas
Phone: +46 301 226 00
www.habasit.se

Switzerland

Habasit GmbH, Reinach
Phone: +41 61 577 51 00
www.habasit.ch

Taiwan

Habasit Rossi (Taiwan) Ltd.
Taipei Hsien
Phone: +886 2 2267 0538
www.habasit.com.tw

Turkey

Habasit Kayis San. Ve Tic. Ltd. Sti.
Yenibosna - Bahcelievler - Istanbul
Phone: +90-212-654 94 04
www.habasit.com.tr

Ukraine

Habasit Ukraina, Vinnyca
Phone: +38 0432 58 47 35
www.habasit.ua

United Kingdom and Ireland

Habasit Rossi (UK) Ltd., Silsden
Phone: +44 870 835 9555
www.habasitrossi.co.uk

USA

Habasit America
Conveyor belts, power
transmission belts, gearmotors
Suwanee, Georgia
Phone: +1 800-458-6431
www.habasitamerica.com

Habasit America
Seamless belts, timing belts
Middletown, Connecticut
Phone: +1 860 632 2211
www.seamlessbelts.com
www.habasync.com

Rossi is one of Europe's largest
manufacturers of gear reducers,
gearmotors, inverters, standard
and brakemotors, and is a
member of the Habasit Group.

Rossi S.p.A.
Via Emilia Ovest 915/A
41123 Modena - Italy
Phone: +39 059 33 02 88
www.rossi-group.com
info@rossi-group.com

Product liability, application considerations

If the proper selection and application of Habasit products are not recommended by an authorized Habasit sales specialist, the selection and application of Habasit products, including the related area of product safety, are the responsibility of the customer. All indications / information are recommendations and believed to be reliable, but no representations, guarantees, or warranties of any kind are made as to their accuracy or suitability for particular applications. The data provided herein are based on laboratory work with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experiences can lead to modifications and changes within a short time without prior notice.

BECAUSE CONDITIONS OF USE ARE OUTSIDE OF HABASIT'S AND ITS AFFILIATED COMPANIES' CONTROL, WE CANNOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS MENTIONED HEREIN. THIS ALSO APPLIES TO PROCESS RESULTS / OUTPUT / MANUFACTURING GOODS AS WELL AS TO POSSIBLE DEFECTS, DAMAGES, CONSEQUENTIAL DAMAGES, AND FURTHER-REACHING CONSEQUENCES.

**Headquarters**

Habasit AG
Römerstrasse 1
CH-4153 Reinach, Switzerland
Phone +41 61 715 15 15
Fax +41 61 715 15 55
E-mail info@habasit.com
www.habasit.com

Registered trademarks
Copyright Habasit AG
Subject to alterations
Printed in Switzerland
Publication date:
4300FLY.PTB-en0911HOR

Reduce Running Cost



Habasit presents the latest development in fabric conveyor belting:

Habasit Eff-Line belts

A specially designed impregnation lowers the sliding friction of the belts and – at the same time – makes them more durable.

Habasit Eff-Line belts allow our customers to reduce running cost not only by saving up to 45% energy but also through longer belt lifetime and fewer belt replacements.



up to
45%
energy
savings

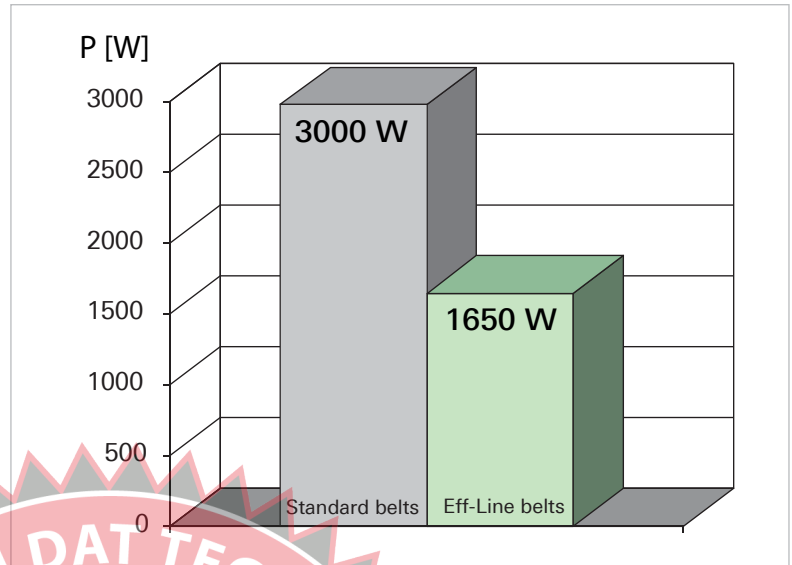


Reduce costs with Habasit Eff-Line belts

Up to 45% energy savings

Energy costs are constantly on the rise due to increasing demand and resource shortage. In response to this situation Habasit developed a completely new product line.

The Habasit Eff-Line helps our customers to reduce the energy consumption of the installation up to 45%. The excellent durability of our Eff-Line belts allows them at the same time to operate with fewer belt replacements. This guarantees a reduction of the whole running cost of their applications. Habasit Eff-Line belts benefit the environment and your life-cycle running costs.



All values are valid for average conveyor applications with high load factor.



Go green with the Habasit Eff-Line

Our Eff-Line not only helps our customers to save money but is also more environmentally friendly due to its reduced carbon footprint. With their lower energy consumption, use of Habasit Eff-Line belts results in lower CO₂ emissions. In addition, due to longer belt lifetime, fewer belt replacements are needed.

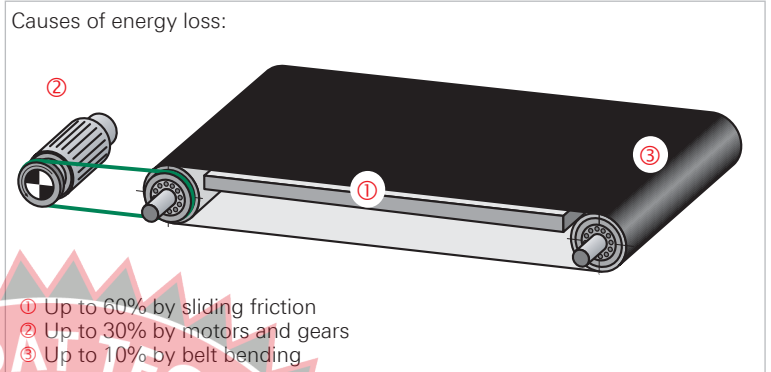
Check out the Energy-Saving Calculator on our website and see how green you can go with Habasit Eff-Line belts: www.habasit.com

Habasit provides the solution

How the Habasit Eff-Line helps you to save energy

The decisive factor for energy loss or saving is the coefficient of friction. The higher the sliding friction of a conveyor belt during the conveying process, the higher the energy loss. Up to 60% of losses can be the result of sliding friction effects.

At this point the Habasit Eff-Line comes in. Habasit has developed a special water-based impregnation for the running side of its fabric conveyor belts that lowers the dynamic coefficient of friction. This new technology allows our customers to save up to 45% energy just by using Habasit Eff-Line belts.



Why choose Habasit Eff-Line belts?

Habasit Eff-Line belts are a good investment with an excellent payback ratio. They are also the responsible choice because they help to reduce CO₂ emissions.

Profit from Habasit Eff-Line belts by saving energy, contributing to the preservation of the environment and reducing maintenance costs.

Habasit's conveyor belt selection includes hundreds of different belts to satisfy application requirements. We offer a wide variety of tension members and cover materials, as well as structural conveying- and running-side patterns to optimize your system's performance.

Austria

Habasisit GmbH
Wien
Phone: +43 1 690 66
www.habasisit.at

Belgium

Habasisit Belgium N.V.
Zaventem
Phone: +32 27 250 430
www.habasisit.be

Canada

Habasisit Canada Ltd.
Oakville
Phone: +1 905 827 41 31
www.habasisit.ca

China

Habasisit East Asia Ltd.
Hong Kong
Phone: +85 221 450 150
www.habasisit.com.hk

Habasisit (Shanghai) Co. Ltd.
Shanghai
Phone: +8621 5488 1228
Phone: +8621 5488 1218
www.habasisit.com.hk

France

Habasisit France S.A.S.
Mulhouse
Phone: +33 389 338 903
www.habasisit.fr

Germany

Habasisit GmbH
Eppertshausen
Phone: +49 6071 969 0
www.habasisit.de

India

Habasisit-lakoka Pvt. Ltd.
Coimbatore
Phone: +91 422 262 78 79
www.habasisitiakoka.com

Italy

Habasisit Italiana SpA
Customer Care:
Phone: 199 199 333
For int. calls: +39 0438 911 444
www.habasisit.it

Japan

Habasisit Nippon Co. Ltd.
Yokohama
Phone: +81 45 476 0371
www.habasisit.co.jp

Netherlands

Habasisit Netherlands BV
Nijkerk
Phone: +31 332 472 030
www.habasisit.nl

New Zealand

Habasisit Australasia Ltd.
Hornby
Phone: +64 3348 5600
www.habasisit.co.nz

Norway

Habasisit Norge AVS, Oslo
Phone: +47 815 58 458
www.habasisit.no

Poland

Habasisit Polska Sp. zo.o.
Dąbrowa Górnicza
Phone: +48 32639 02 40
www.habasisit.pl

Russia

OOO Habasisit Ltd.
St. Petersburg
Phone: +7 812 600 40 80
www.habasisit.ru

Singapore

Habasisit Far East Pte. Ltd.
Singapore
Phone: +65 686 255 66
www.habasisit.com.sg

Spain

Habasisit Hispanica S.A.
Barberà del Vallès
Phone: +34 937 191 912
www.habasisit.es

Sweden

Habasisit AB
Hindas
Phone: +46 30 122 600
www.habasisit.se

Switzerland

Habasisit GmbH
Reinach
Phone: +41 61 577 51 00
www.habasisit.ch

Taiwan

Habasisit Rossi (Taiwan) Ltd.
Taipei Hsien
Phone: +886 2 2267 0538
www.habasisit.com.tw

Turkey

Habasisit Kayis San. Ve Tic. Ltd. Sti.
Yenibosna-Bahçelievler-Istanbul
Phone: +90 212 654 94 04
www.habasisit.com.tr

Ukraine

Habasisit Ukraina
Vinnica
Phone: +38 0432 58 47 35
www.habasisit.ua

United Kingdom and Ireland

Habasisit (UK) Ltd.
Silsden
Phone: +44 844 835 9555
www.habasisit.co.uk

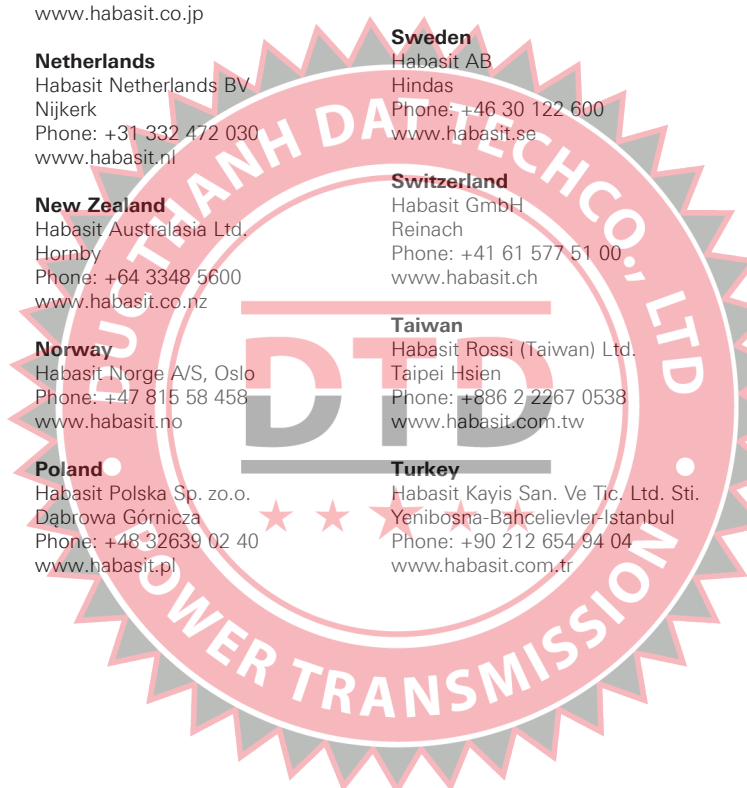
USA

Habasisit America
Conveyor belts, power
transmission belts, gearmotors
Suwanee, Georgia
Phone: +1 800 458 6431
www.habasisitamerica.com

Habasisit America
Seamless belts, timing belts
Middletown, Connecticut
Phone: +1 860 632 2211
www.habasisitamerica.com

Rossi is one of Europe's largest manufacturers of gear reducers, gearmotors, inverters, standard and brakemotors, and is a member of the Habasisit Group.

Rossi S.p.A.
Via Emilia Ovest 915/A
41123 Modena - Italy
Phone: +39 059 33 02 88
www.rossi-group.com
info@rossi-group.com

**Product liability, application considerations**

If the proper selection and application of Habasisit products are not recommended by an authorized Habasisit sales specialist, the selection and application of Habasisit products, including the related area of product safety, are the responsibility of the customer. All indications / information are recommendations and believed to be reliable, but no representations, guarantees, or warranties of any kind are made as to their accuracy or suitability for particular applications. The data provided herein are based on laboratory work with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experiences can lead to modifications and changes within a short time without prior notice.

BECAUSE CONDITIONS OF USE ARE OUTSIDE OF HABASISIT'S AND ITS AFFILIATED COMPANIES' CONTROL, WE CANNOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS MENTIONED HEREIN. THIS ALSO APPLIES TO PROCESS RESULTS / OUTPUT / MANUFACTURING GOODS AS WELL AS TO POSSIBLE DEFECTS, DAMAGES, CONSEQUENTIAL DAMAGES, AND FURTHER-REACHING CONSEQUENCES.

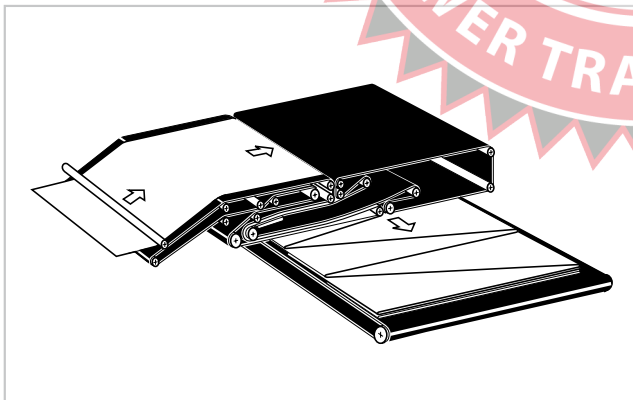
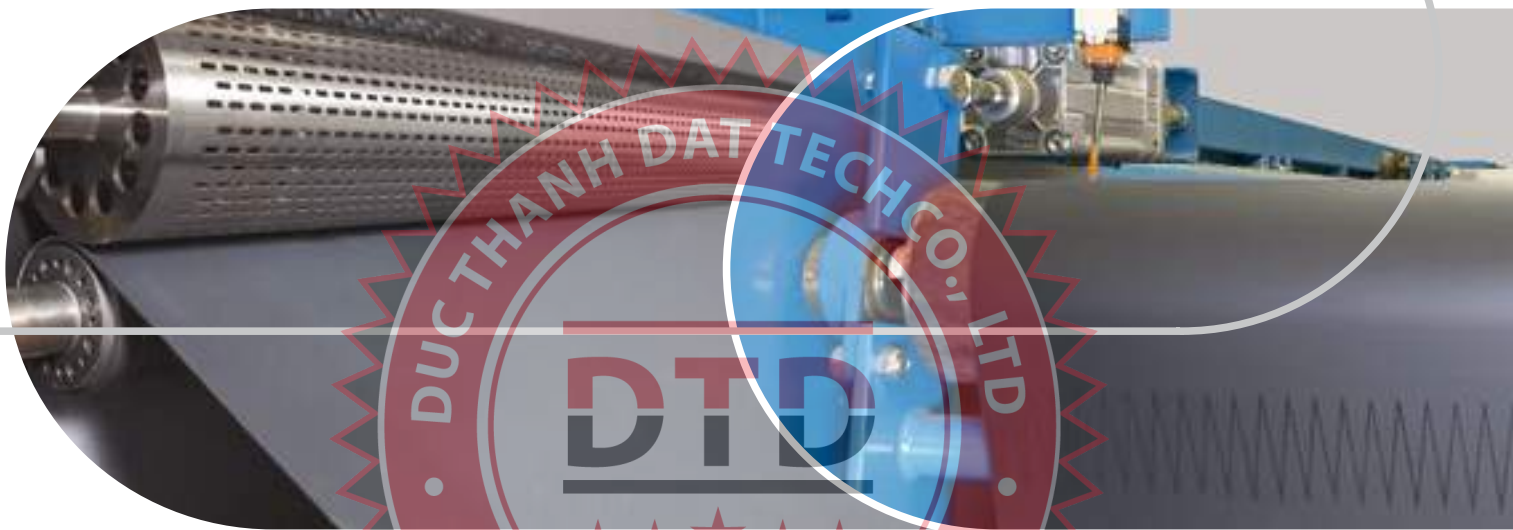
**Headquarters**

Habasisit AG
CH-4153 Reinach-Basel
Phone +41 61 715 15 15
Fax +41 61 715 15 55
E-mail info@habasisit.com
www.habasisit.com

Copyright Habasisit AG
Subject to alterations
Printed in Switzerland
Publication data:
4333FLY.CVB-en0213HQR

Crosslapper Belt

ENB-9EE



The latest addition to the Habasit crosslapper range offers:

- Excellent chemical resistance
- High electrical conductivity, fulfills EN 12882
- No brittle behavior, aging or microcracking of surface
- Stiff and robust in operation
- Very good release properties
- High $k_{1\%}$ value
- High lateral stiffness, no folding of crosslapper belt, perfect tracking

Our crosslapper belt has been specially designed for single motor drive crosslapper machines requiring stiffer, thicker and stronger belts. The excellent top coating system ensures high stability and long service life. This also results in an unparalleled value for money.

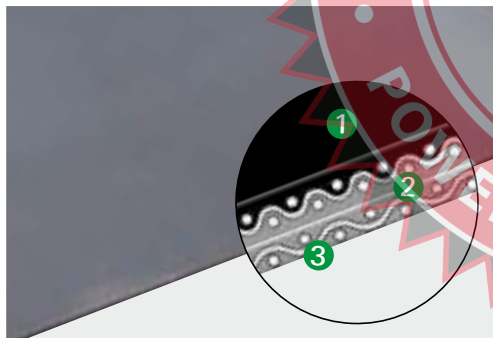
Crosslapper Belt ENB-9EE

Developed for excellence

Habasit has developed the ENB-9EE based on years of experience, ongoing research, close contact with the nonwoven industry and long-term partnership with leading machine manufacturers.

Key features	Your benefits
<ul style="list-style-type: none"> High-grade TPU combined with chemical-resistant polymer surface coating 	<ul style="list-style-type: none"> Excellent chemical resistance No brittle behavior, aging or microcracking of belt surface Long service belt life No hooking of fibers to belt surface
<ul style="list-style-type: none"> High lateral stiffness Flat lying Thick belt construction 	<ul style="list-style-type: none"> No folding of crosslapper belt No damaging or overthrowing of conveyed nonwoven web Perfect tracking Trouble-free and reliable production Reduced operation cost
<ul style="list-style-type: none"> Conductive belt surface Excellent release properties Flexproof homogenous and flexible joining 	<ul style="list-style-type: none"> Suitable for all man-made fibers No sticking of fibers to belt surface Identical properties, equally flexible as the rest of the belt Short downtime

Cross-section



- 1 Conveying side: Polyurethane cross-linked (PUR)
- 2 Traction layer: Polyester (PET)
- 3 Running side: Polyester (PET)

Technical key data

Type	Thickness		Tensile force for 1% elongation (relaxed)		Color of conveying side
	mm	inch	N/mm	lbs/inch	
ENB-9EE	1.2	0.05	6	34	black

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

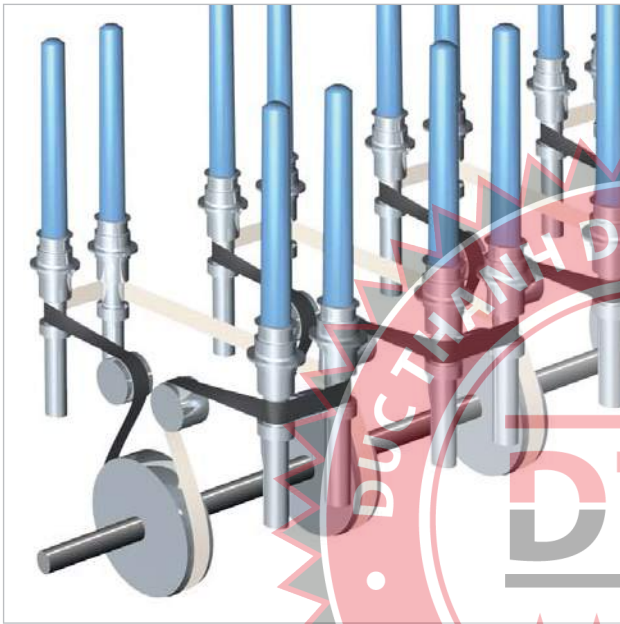
4345FLY.CVB-en0118HQR

NEW

Habasit – Solutions in motion



DS-8 Polyester Spindle Tape



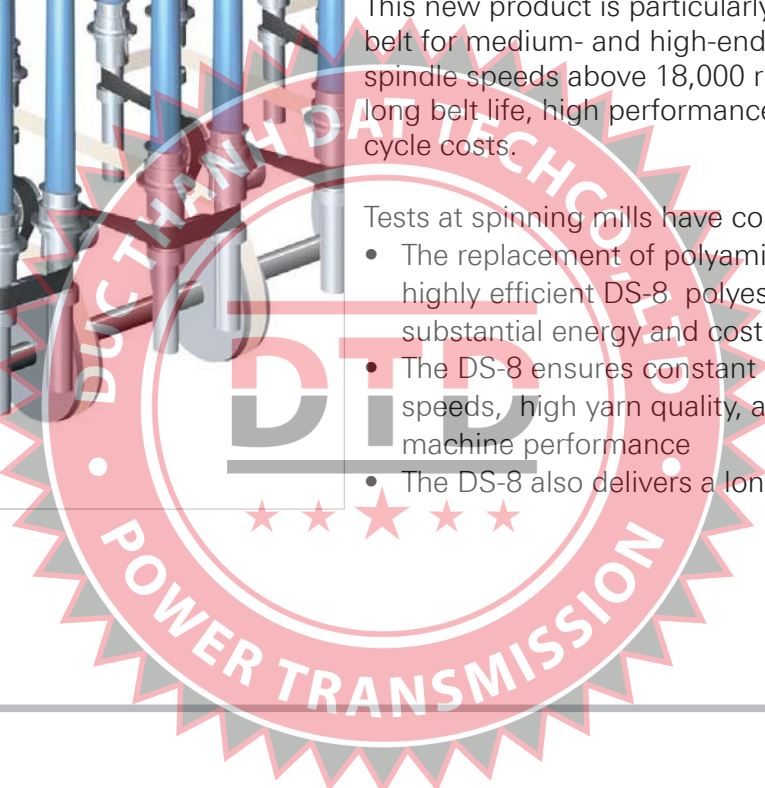
The DS-8 is a new member of Habasit's well-known and highly rated polyester spindle tape range.

This new product is particularly suitable as a driving belt for medium- and high-end spinning machines with spindle speeds above 18,000 rpm. It perfectly combines long belt life, high performance, and best-in-class life-cycle costs.

Tests at spinning mills have confirmed:

- The replacement of polyamide spindle tapes with highly efficient DS-8 polyester spindle tapes provides substantial energy and cost savings
- The DS-8 ensures constant spindle speeds, high yarn quality, and excellent machine performance
- The DS-8 also delivers a long belt service life

5% - 8%
energy
and cost
savings

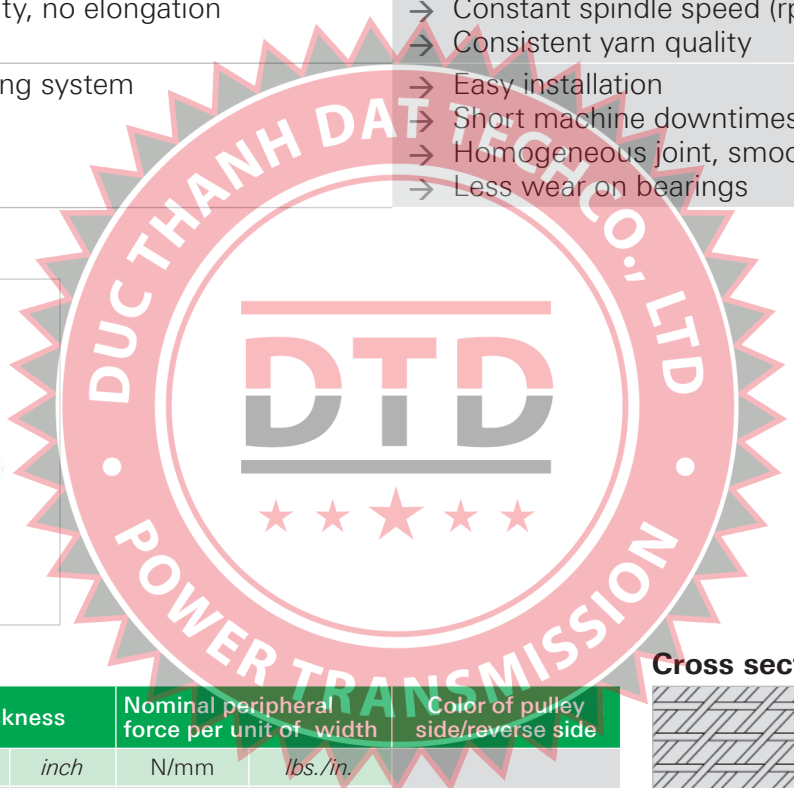
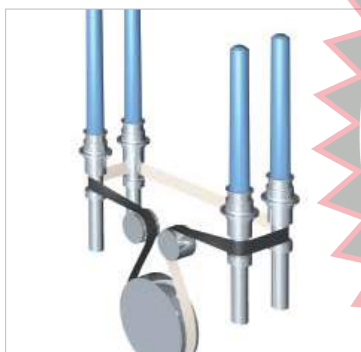


Performance summary

DS-8: the optimal add-on to Habasit's proven high-end polyester spindle tape range.

Key features	Your benefits
<ul style="list-style-type: none"> • High tape flexibility 	<ul style="list-style-type: none"> → Low bending resistance → Energy savings
<ul style="list-style-type: none"> • Constant high friction (black side) 	<ul style="list-style-type: none"> → Reliable power transmission
<ul style="list-style-type: none"> • Minimal speed (rpm) loss during spindle stop 	<ul style="list-style-type: none"> → Consistent yarn quality → Increased efficiency → Cost savings
<ul style="list-style-type: none"> • No fiber and fluff accumulation • Dimensional stability, no elongation 	<ul style="list-style-type: none"> → No slip → Constant spindle speed (rpm) → Consistent yarn quality
<ul style="list-style-type: none"> • Adhesive-free joining system 	<ul style="list-style-type: none"> → Easy installation → Short machine downtimes → Homogeneous joint, smooth belt running → Less wear on bearings

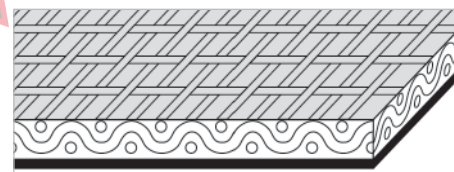
Belt installation



Technical key data

Type	Thickness		Nominal peripheral force per unit of width		Color of pulley side/reverse side
	mm	inch	N/mm	lbs./in.	
DS-8	0.7	0.03	6	34	black/white

Cross section



For further information, please contact your local Habasit representative: www.habasit.com

This disclaimer is made by and on behalf of Habasit and its affiliated companies, directors, employees, agents and contractors (hereinafter collectively "HABASIT") with respect to the products referred to herein (the "Products"). SAFETY WARNINGS SHOULD BE READ CAREFULLY AND ANY RECOMMENDED SAFETY PRECAUTIONS BE FOLLOWED STRICTLY! Please refer to the Safety Warnings herein, in the Habasit catalogue as well as installation and operating manuals. All indications / information as to the application, use and performance of the Products are recommendations provided with due diligence and care, but no representations or warranties of any kind are made as to their completeness, accuracy or suitability for a particular purpose. The data provided herein are based on laboratory application with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experience may lead to re-assessments and modifications within a short period of time and without prior notice.

EXCEPT AS EXPLICITLY WARRANTED BY HABASIT, WHICH WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, THE PRODUCTS ARE PROVIDED "AS IS". HABASIT DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE, ALL OF WHICH ARE HEREBY EXCLUDED TO THE EXTENT ALLOWED BY APPLICABLE LAW. BECAUSE CONDITIONS OF USE IN INDUSTRIAL APPLICATION ARE OUTSIDE OF HABASIT'S CONTROL, HABASIT DOES NOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS, INCLUDING INDICATIONS ON PROCESS RESULTS AND OUTPUT.

Headquarters
 Habasit AG
 CH-4153 Reinach-Basel
 Phone +41 61 715 15 15
 Fax +41 61 715 15 55
 E-mail info@habasit.com
www.habasit.com

Copyright Habasit AG
 Subject to alterations
 Printed in Switzerland
 Publication data:
 4368FLY.SPT-en0414HQR

High Precision in Textile Printing with ENU-55AXBY Premium Printing Blanket



The ENU-55AXBY is the latest evolution of Habasit's Premium Line Printing Blanket range. With its strong aramide traction layer and asymmetrical belt design it reaches a new level of repeat accuracy.

- Low positioning of the tensile member close to the running side results in minimal fluctuation of the neutral line
- Advanced fabric design, high weft stiffness, and elevated transversal stability lead to stable and reliable tracking
- High modulus of elasticity
- Dimensional stability

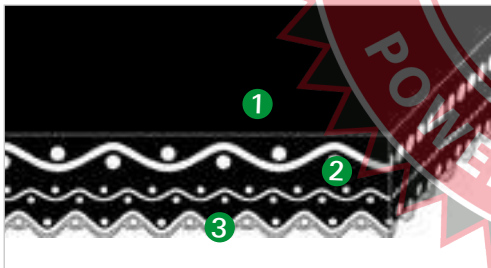
Together, these features deliver a consistently high level of accuracy that ensures precise and consistent printing results for digital and flat bed printing.

High Precision in Textile Printing with ENU-55AXBY Premium Printing Blanket

Habasit has developed the new ENU-55AXBY based on years of experience, ongoing research, close contact with the textile industry, and long-term partnerships with leading textile digital printing machine manufacturers to reach the best technical solution and highest value for the customer.

Key features	Your benefits
<ul style="list-style-type: none"> • Low deviation of neutral layer 	<ul style="list-style-type: none"> • High printing repeat accuracy
<ul style="list-style-type: none"> • High modulus of elasticity 	<ul style="list-style-type: none"> • Low elongation of the belt, even at long print foots • Stable running of the belt
<ul style="list-style-type: none"> • High transversal stiffness 	<ul style="list-style-type: none"> • Reliable tracking of the belt • No cupping of the belt edges
<ul style="list-style-type: none"> • Outstanding non-adhesive TPU material 	<ul style="list-style-type: none"> • Scratch resistant behavior • High resistance to solvents • Long service life
<ul style="list-style-type: none"> • Durable impregnation on running side fabric 	<ul style="list-style-type: none"> • Smooth running of the belt • Long service life
<ul style="list-style-type: none"> • Flexproof joining of the belt 	<ul style="list-style-type: none"> • No marking or aging of joining area • Quick on-site joining

Cross-section



- 1 Conveying side: Thermoplastic polyurethane (TPU)
- 2 Traction layer: Aramid fabric
- 3 Running side: Impregnated fabric

Technical key data

Thickness		Tensile force for 1% elongation (relaxed)		Number of fabrics	Lateral weft stiffness		Pitch line (neutral phase pos.)	
mm	inch	N/mm	lbs/inch		N/mm	lbs/inch	mm	inch
2.3	0.09	26	148	2 plies PET / 1 traction layer aramide fabric	800	7.11	0.5 +/- 0.05	0.02 +/- 0.002

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

4393FLY.CVB-en0917HOR

High-Performance Steel Wrapper Belt GK3CP 2DPU/1DPU



The new GK3CP 2DPU/1DPU is a high-performance belt for steel wrapper (coil winder) applications in the metal industry, where longevity is appreciated as a way to avoid expensive downtime. The belt's endless woven carcass with duroplastic urethane (DPU) covers provides an extremely durable, splice-free conveyor with high cut and impact resistance in a very demanding application, where it is impacted by the leading edges of metal coils.

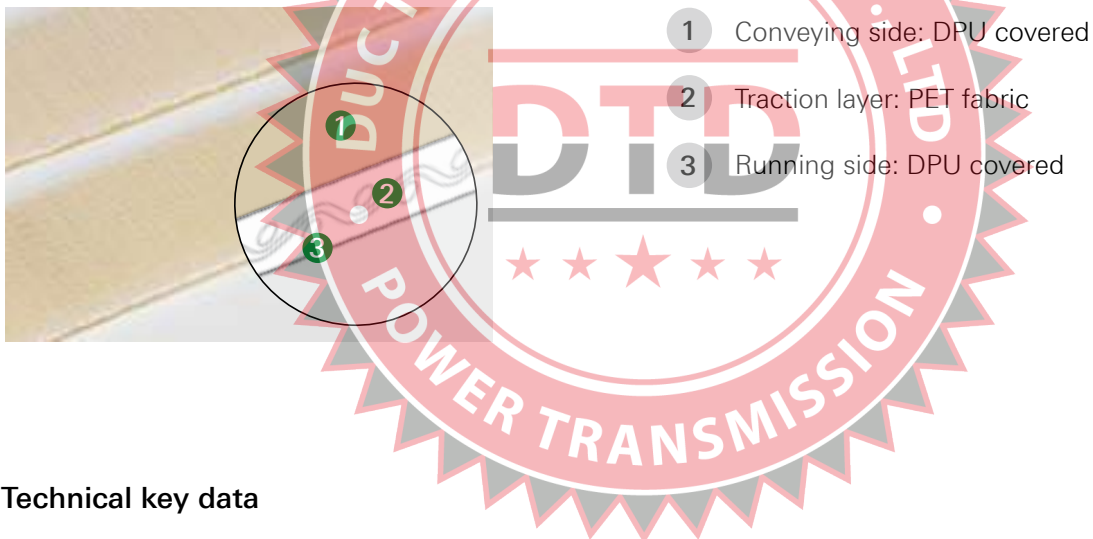
The GK3CP 2DPU/1DPU is particularly suitable for steel wrapper and coil winder applications found in plants producing steel, copper and aluminum rolls:

- Highly cut-resistant high-grip cover
- Manufactured in lengths from 2.5 m to 20.0 m
- Widths available of up to 1.9 m with cut edges, or 2.0 m with uncut edges
- Joining is not necessary since each belt is made endless woven to the required length

High-Performance Steel Wrapper Belt GK3CP 2DPU/1DPU

Key features	Your benefits
<ul style="list-style-type: none"> • Cut and gouge resistant cover with reliable grip 	<ul style="list-style-type: none"> • Durable, maintenance-free processes • Long belt service life • Low lifecycle costs
<ul style="list-style-type: none"> • High-strength endless woven PET fabric 	<ul style="list-style-type: none"> • Low stretch characteristics • Reduced re-tensioning and downtimes • Good belt tracking • Low maintenance costs
<ul style="list-style-type: none"> • Chemical resistant DPU cover 	<ul style="list-style-type: none"> • No hardening or cracking • Long belt service life
<ul style="list-style-type: none"> • Belt design flexibility: cover thickness and materials options 	<ul style="list-style-type: none"> • A customized belt for your specific application

Cross-section



Technical key data

Type	Thickness		Tensile force for 1% elongation (relaxed)		Color of conveying side
	mm	inch	N/mm	lbs/inch	
GK3CP 2DPU/1DPU	6.0	0.24	29	167	Transparent

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

4397SRF.SEB-en0716HOR

High-Performance Steel Wrapper Belt GK3CP 2DPU/1DPU



The new GK3CP 2DPU/1DPU is a high-performance belt for steel wrapper (coil winder) applications in the metal industry, where longevity is appreciated as a way to avoid expensive downtime. The belt's endless woven carcass with duroplastic urethane (DPU) covers provides an extremely durable, splice-free conveyor with high cut and impact resistance in a very demanding application, where it is impacted by the leading edges of metal coils.

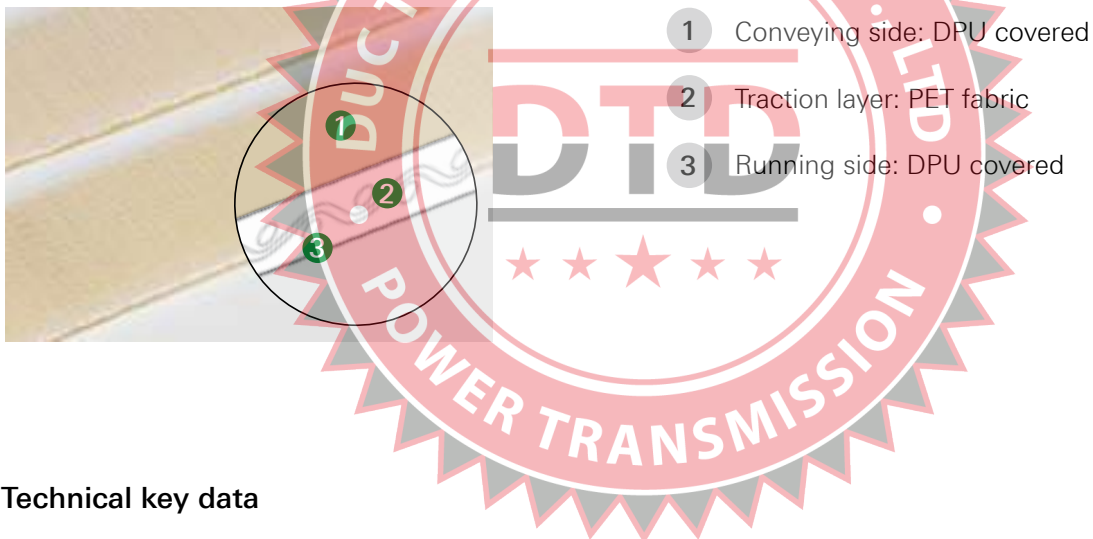
The GK3CP 2DPU/1DPU is particularly suitable for steel wrapper and coil winder applications found in plants producing steel, copper and aluminum rolls:

- Highly cut-resistant high-grip cover
- Manufactured in lengths from 2.5 m to 20.0 m
- Widths available of up to 1.9 m with cut edges, or 2.0 m with uncut edges
- Joining is not necessary since each belt is made endless woven to the required length

High-Performance Steel Wrapper Belt GK3CP 2DPU/1DPU

Key features	Your benefits
<ul style="list-style-type: none"> • Cut and gouge resistant cover with reliable grip 	<ul style="list-style-type: none"> • Durable, maintenance-free processes • Long belt service life • Low lifecycle costs
<ul style="list-style-type: none"> • High-strength endless woven PET fabric 	<ul style="list-style-type: none"> • Low stretch characteristics • Reduced re-tensioning and downtimes • Good belt tracking • Low maintenance costs
<ul style="list-style-type: none"> • Chemical resistant DPU cover 	<ul style="list-style-type: none"> • No hardening or cracking • Long belt service life
<ul style="list-style-type: none"> • Belt design flexibility: cover thickness and materials options 	<ul style="list-style-type: none"> • A customized belt for your specific application

Cross-section



Technical key data

Type	Thickness		Tensile force for 1% elongation (relaxed)		Color of conveying side
	mm	inch	N/mm	lbs/inch	
GK3CP 2DPU/1DPU	6.0	0.24	29	167	Transparent

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

4397SRF.SEB-en0716HOR

Best-in-Class Performance Elastic Cross Apron Belt MNM-06HXT



The MNM-06HXT consists of a specially designed thermoplastic material that combines elasticity, outstanding flex-fatigue properties and consistent grip, with high abrasion resistance and excellent dimensional stability.

The MNM-06HXT supplements our comprehensive range of belts for the yarn processing industry and was developed in line with the requirements of leading machine manufacturers and end users.

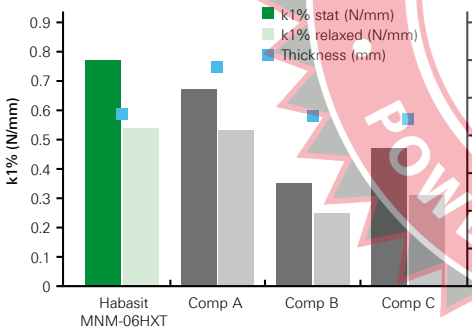


Tests on state-of-the-art high-performance carding machines have proved:

- High machine performance
- Precise and well-controlled fiber guidance
- Smooth transport and handling of sliver
- Uniform quality of sliver
- Long belt service life

Best-in-Class Performance Elastic Cross Apron Belt MNM-06HXT

Key features	Your benefits
<ul style="list-style-type: none"> Elastic Excellent dimensional stability No sensitivity to changing ambient humidity 	<ul style="list-style-type: none"> No belt tensioning device is required Economical machine design No re-tensioning required after installation with adequate initial tension No machine downtimes, high throughput Precise and smooth handling of sliver Low operating costs
<ul style="list-style-type: none"> Durable and abrasion resistant thermoplastic belt construction Constant coefficient of friction 	<ul style="list-style-type: none"> Reliable and consistent grip Well-controlled fiber guidance Smooth transport and handling of sliver Uniform quality of sliver Long belt service life
<ul style="list-style-type: none"> Good belt tracking 	<ul style="list-style-type: none"> No re-adjustments required Precise and smooth handling of sliver High machine throughput
<ul style="list-style-type: none"> High longitudinal flexibility Good flex-fatigue properties 	<ul style="list-style-type: none"> Long belt service life Low energy consumption
<ul style="list-style-type: none"> Durable joint with excellent flex-fatigue properties 	<ul style="list-style-type: none"> Low maintenance costs, long belt life



MNM-06HXT: An elastic cross apron belt with best-in-class dimensional stability and the perfect combination of strength and thickness

- The MNM-06HXT is as thin and flexible as competitor products but offers 70% higher strength – customers benefit from robustness and outstanding performance
- The MNM-06HXT is 27% thinner and more flexible than products of comparable strength – customers benefit from excellent flex-fatigue properties and long belt life

Technical key data

Type	Thickness		Tensile force for 1% elongation (relaxed)		Color of conveying side
	mm	inch	N/mm	lbs/inch	
MNM-06HXT	0.9	0.035	0.55	3.14	Transparent

The product is symmetrical with sand structure surface on both sides.

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

4400SRF.MAT-en0816HQR

Habasit soft separator belt



The separator belt is used for desinewing and meat recovery of red meat, pork, poultry, and seafood.

In a “press-separation process,” the separator belt presses the soft and hard components against a perforated drum, squeezing the soft components through the holes of the drum, while bone and other hard components remain outside the drum.

Specifications

- Thermoset urethane EU/FDA compliant
- Polyester reinforcement cord
- Hardness: 85 Shore A
- Color: natural

This belt’s aggressive profile structure promotes high yields, and durable reinforced urethane reduces belt stretch for longer belt life.

Habasit Soft Separator Belt				
Habasit Code	Example machine sizes	Dimensions		
		Length [mm]	Width [mm]	Available thickness [mm]
SB-E-1550-205-13-WB-85N-EU	Baader® 601	1550	205	13.50
SB-E-2390-260-16-WB-85N-EU	Baader® 695/699 and Sepamatic® 2000	2390	260	15.75
SB-E-2820-260-16-WB-85N-EU	Baader® 605/607 and Sepamatic® 4000	2820	260	15.75

Solutions in motion



Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that have led the global market for decades.



Belt selection and calculation assistance

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at selecalc.habasit.com.



Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.

Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.



Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.

Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location.



Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customers' sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.



Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

4401FLY.CVB-en0819POL

Energy-Saving Package Handling Belt APH150HTS-E3



The APH150HTS-E3 is part of the Eff-Line family and offers low noise and energy-efficient running side fabric. The interwoven fabric construction and top side PVC impregnation produce a belt that withstands tough applications.

This belt is ideal in package and baggage handling applications where energy consumption or worker safety is of concern.

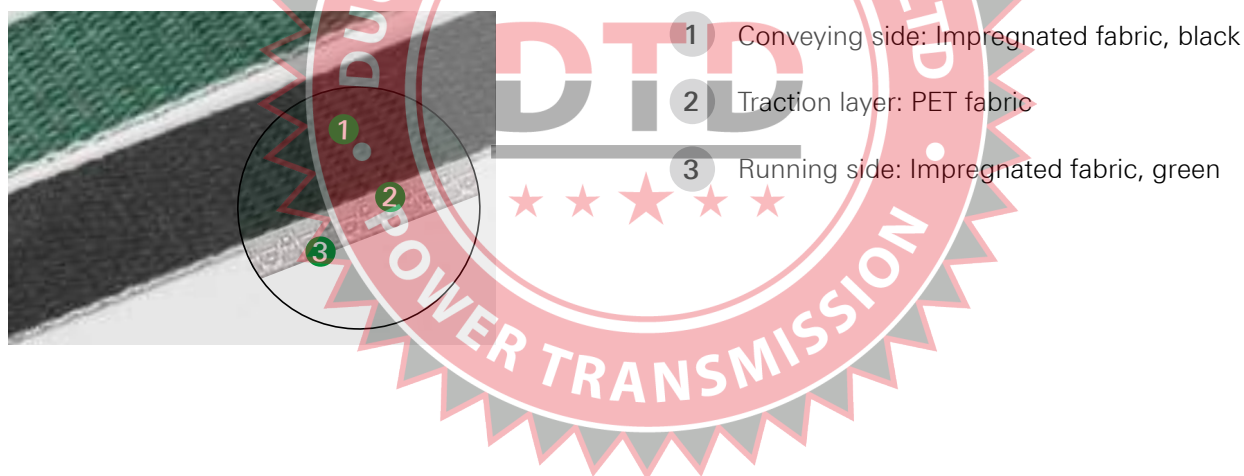
The low stretch belt design with a PET interwoven carcass features:

- A low noise running side
- Inclusion of the e-saver compound for very low friction and energy-efficient operation
- Top covers with low friction PVC impregnation for horizontal conveying, diverting and inclines up to 12 degrees
- Use of mainly mechanical fasteners, although adhesive-free joining is also possible

Energy-Saving Package Handling Belt APH150HTS-E3

Key features	Your benefits
<ul style="list-style-type: none"> • Low noise running side fabric 	<ul style="list-style-type: none"> • Improved worker safety • Increased throughput from higher running speeds made possible by low noise fabric
<ul style="list-style-type: none"> • E-saver compound impregnation on the running side 	<ul style="list-style-type: none"> • Energy cost savings • Increased peak load capacity • Reduced motor size possible • Reduced work injuries if belt is used with e-saver side up on side loading
<ul style="list-style-type: none"> • Durable interwoven construction 	<ul style="list-style-type: none"> • High puncture and tear resistance • Extended service life • Decreased downtime
<ul style="list-style-type: none"> • High strength interwoven fabric design 	<ul style="list-style-type: none"> • Low stretch belt requiring minimal initial tension • Reduction of maintenance time for re-tensioning

Cross-section



Technical key data

Type	Thickness		Tensile force for 1% elongation (relaxed)		Color of conveying side
	mm	inch	N/mm	lbs/inch	
APH150HTS-E3	4.7	0.185	11	63	Black

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

4403SRF.CVB-en0816HQR

High-Performance Thermoplastic Covered Belt TMPH90LFOXB



The new TMPH90LFOXB is a high-performance belt for light duty applications in airport baggage and package handling using extendible conveyors (also called telescopic or unloaders) and horizontal, singulated flow applications.

The belt's unique scrim design provides flexibility and good tracking properties. The abrasion-resistant, specially formulated, thermoplastic top cover features a low coefficient of friction versus steel, which allows for easy side loading, diverting, and accumulation, while reducing the effects of abrasion.

The low-stretch nonwoven PET belt design with its unique saturant and cover compound features:

- Excellent tracking even in reversing conditions
- No need for re-tensioning
- Very low friction surfaces on both sides
- Superior abrasion resistance
- Use of mainly mechanical fasteners, although adhesive-free joining is also possible

High-Performance Thermoplastic Covered Belt TMPH90LFOX B

Key features	Your benefits
<ul style="list-style-type: none"> • Flexible, low stretch scrim design 	<ul style="list-style-type: none"> • Precise tracking even in reversing conditions • Eliminates need for re-tensioning
<ul style="list-style-type: none"> • Very low friction conveying surface 	<ul style="list-style-type: none"> • Easy side loading, accumulation and diverting • Gentle handling of packages – reduced marking and scuffing
<ul style="list-style-type: none"> • Very low friction running side 	<ul style="list-style-type: none"> • Energy savings • Possible reduction of motor size
<ul style="list-style-type: none"> • Superior abrasion, puncture and tear resistance 	<ul style="list-style-type: none"> • Low wear • Damage resistant • Long belt service life

Cross-section



- 1 Conveying side: Orange peel embossed
- 2 Traction layer: PET fabric
- 3 Running side: Impregnated fleece

Technical key data

Type	Thickness		Tensile force for 1% elongation (relaxed)		Color of conveying side
	mm	inch	N/mm	lbs/inch	
TMPH90LFOX B	3.3	0.13	10	58	Black

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

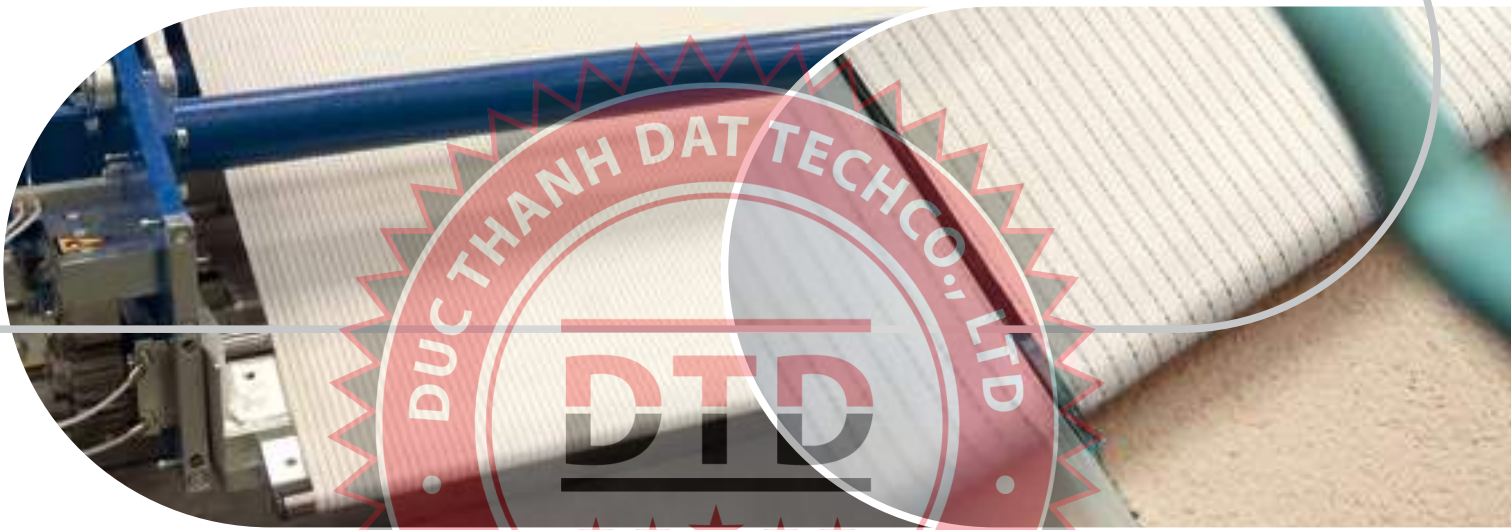
CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

4404SRF.CVB-en0816HQR

Pre-heater Mesh Belt

ENT-12EEWL



The ENT-12EEWL is specifically designed to meet the requirements of a pre-heater mesh belt in processing lines for OSB, particle boards, or MDF wood panels. Increasing the temperature of the wood-resin mixture before it reaches the press enables faster curing and increased speed of the production line, which in turn results in increased productivity of 15% to 30%.



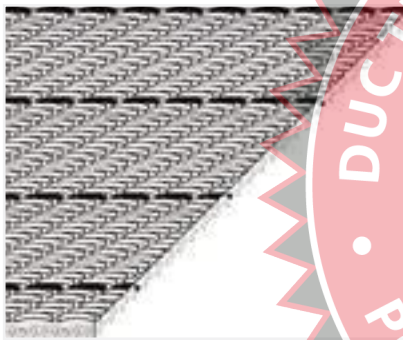
Habasit's ENT-12EEWL is the ideal processing belt for this application, offering:

- Constant airflow over the joint thanks to its endless woven structure and single-loop seam joint
- Suitability for nosebars and small pulley diameters
- No shrinking effect in the hot environment due to edges finished by a melting process
- No wood fiber clogging issues – which allows reliable air permeability
- Long lifetime due to its robust and durable belt design offering high abrasion and hydrolysis resistance
- Fast installation of the single-loop joint without dismantling the whole pre-heater machine, which limits downtimes and yield losses for end users

Pre-heater Mesh Belt ENT-12EEWL

Key features	Your benefits
<ul style="list-style-type: none"> • High temperature stability 	<ul style="list-style-type: none"> • High operating temperatures: 130 °C continuous, 180 °C short-term peak temperature • Fast curing and increased productivity
<ul style="list-style-type: none"> • Hydrolysis resistance • Single-loop seam joining 	<ul style="list-style-type: none"> • Suitable for steam treatment • Fast installation • Constant airflow over the complete belt length
<ul style="list-style-type: none"> • No clogging of wood fibers 	<ul style="list-style-type: none"> • Long lifetime • Constant airflow throughout belt life
<ul style="list-style-type: none"> • Anti-static properties 	<ul style="list-style-type: none"> • Safe running of the production line • Good release properties

Cross-section



Mesh belt: Polyester (PET) fabric, white



Technical key data

Thickness		Mass		Tensile force k1%		Tensile force k1% relaxed		Max. operating temperature	
mm	inch	kg/m ²	lb/sqft	N/mm	lbf/in	N/mm	lbf/in	°C	°F
1.4	0.053	1.3	0.266	14	80	10	57	130	266

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

For further information
choose country selection
Habasit Worldwide on:

www.habasit.com

Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

4410SRF.CVB-en1119HOR

PB-2552

Performance Line Printing Blanket



The new PB-2552 is the latest development in Habasit's Performance Line printing blankets. It incorporates Habasit's many years of experience to deliver high-performing, reliable, and market leading printing blankets.

The PB-2552 is specially designed to meet the requirements of screen printing applications in flat bed and rotary printing machines. The PB-2552 has an unmatched price/performance ratio and has proven its excellent performance in manifold applications and under harsh environmental conditions.

- Excellent price/performance ratio
- Good tracking behavior
- Very homogeneous surface
- Easy and secure cleaning of the printing surface
- High chemical and abrasion resistance
- Long service life
- Uniform thickness
- No marking of the joining area

PB-2552

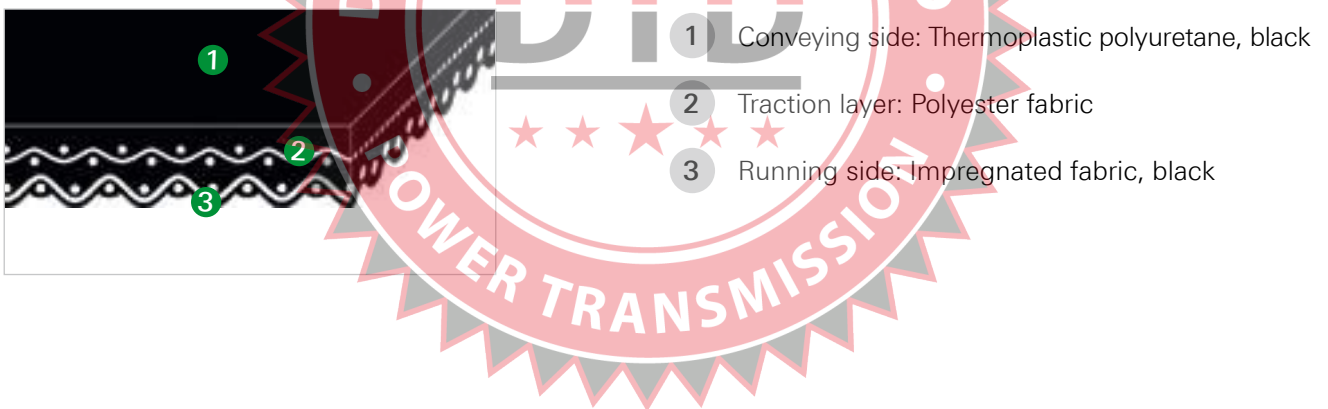
Performance Line printing blanket

Key features	Your benefits
<ul style="list-style-type: none"> • Excellent price/performance ratio • Flexproof joining of the belt 	<ul style="list-style-type: none"> • Highly economical • No marking or aging of joining area • Quick on-site joining
<ul style="list-style-type: none"> • High transversal stiffness 	<ul style="list-style-type: none"> • Reliable tracking of the belt and print precision • No cupping of the belt edges
<ul style="list-style-type: none"> • Outstanding non-adhesive TPU material 	<ul style="list-style-type: none"> • Scratch-resistant behavior • High resistance to solvents • Long service life
<ul style="list-style-type: none"> • Durable impregnation on running side fabric 	<ul style="list-style-type: none"> • Smooth running of the belt • Long service life

Service

Please refer to our broad printing blanket product portfolio for specific applications such as digital textile printing, and contact your Habasit specialist to select the most suitable printing blanket for your application.

Cross-section



Technical key data

Thickness		Mass		Tensile force for 1% elongation (k1% static)		Tensile force for 1% elongation after relaxation (k1% relaxed)		Max. operating temperature	
mm	inch	kg/m ²	lb/sqft	N/mm	lbf/in	N/mm	lbf/in	°C	°F
2.1	0.08	2.1	0.43	18	103	12	69	70	158

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

4413SRF.CVB-en1019HQR

TC-25EFQ

The benchmark for performance



The new TC-25EFQ power transmission belt (development code XVR-2551) consists of a new, specially designed thermoplastic belt body that includes a reinforced polyester fabric and a bonding system with improved temperature resistance. The belt body is combined with optimized elastomer covers that provide consistent grip and high abrasion resistance.

The new belt features an adhesive-free joining method, outstanding dimensional stability, and excellent flex-fatigue properties and reliability. Customers benefit from a long belt life and high machine performance.

TC-25EFQ

The new benchmark for reliability and performance

The TC-25EFQ polyester power transmission belt is particularly suitable for use as a tangential belt on ring spinning machines. It supplements Habasit's comprehensive range of belts for the yarn processing industry and was developed in line with the requirements of leading machine manufacturers and end users. The new concept was extensively tested in the field on representative applications and under very demanding climatic conditions for more than a year. According to the test results, the TC-25EFQ delivers:

- Neither delamination, nor disruptive cracks in the rubber layers, nor glazing
- Excellent dimensional stability; compared with competitors' products, no re-tensioning was required
- Excellent belt tracking
- Uniform rpm and yarn quality
- High machine performance and output
- Long belt service life



- 1 Belt pulley side
- 2 Opposite side

Installation

- The yellow side features high-performance rubber and must be used as the pulley side in order to achieve the best results.
- The black side (i.e. the opposite side) is optimized for antistatic properties.
- On the Omega drive, the yellow side is the pulley side, which is in contact with the driving pulley and the spindles.

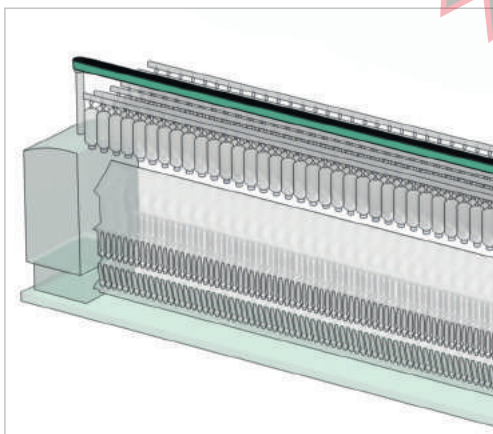
TC-25EFQ

The new benchmark for reliability and performance

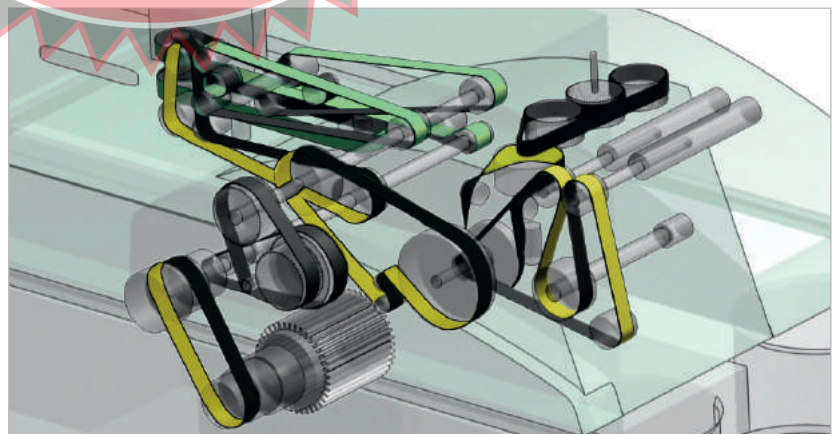
Performance summary

Key features	Your benefits
<ul style="list-style-type: none"> • New design of the polyester fabric-based traction layer • Excellent dimensional stability • No sensitivity to changing ambient humidity 	<ul style="list-style-type: none"> • No re-tensioning required after installation with adequate initial tension • Reduced machine downtimes • Consistent rpm • Uniform yarn quality • High machine performance • Low operating costs
<ul style="list-style-type: none"> • Bonding system with improved temperature resistance 	<ul style="list-style-type: none"> • Belt can cope with demanding climatic conditions, e.g. with hot and humid environments in Asia • Long belt service life
<ul style="list-style-type: none"> • Durable and abrasion resistant high-performance elastomer cover • Constant coefficient of friction • Excellent flex-fatigue properties 	<ul style="list-style-type: none"> • Reliable and consistent grip • Consistent rpm • Uniform yarn quality • High machine performance • Long belt service life
<ul style="list-style-type: none"> • Good belt tracking 	<ul style="list-style-type: none"> • No re-adjustments required • Trouble-free machine operation • Reduced machine downtimes • High machine performance
<ul style="list-style-type: none"> • Good longitudinal flexibility • Excellent flex-fatigue properties • Adhesive-free joining method • Durable joint with excellent flex-fatigue properties 	<ul style="list-style-type: none"> • Low energy consumption • Long belt service life • Easy on-site joining • Low maintenance costs • Long belt service life

In brief: high machine performance, long belt life and low lifecycle costs. The belt is particularly suitable for ring spinning machines and draw frames.



Ring spinning machine

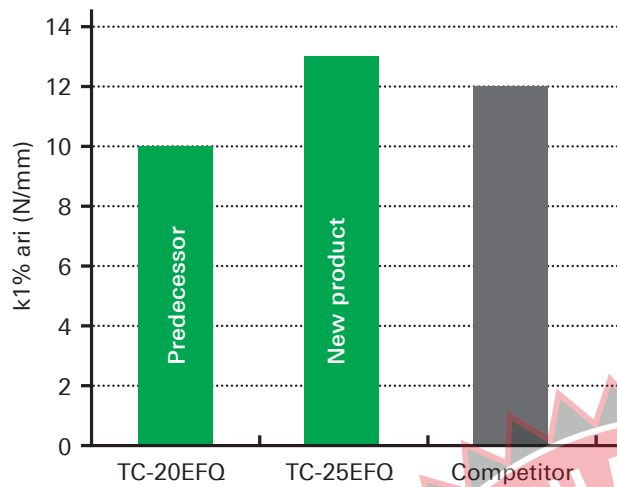


Draw frame (extract)

TC-25EFQ

The new benchmark for reliability and performance

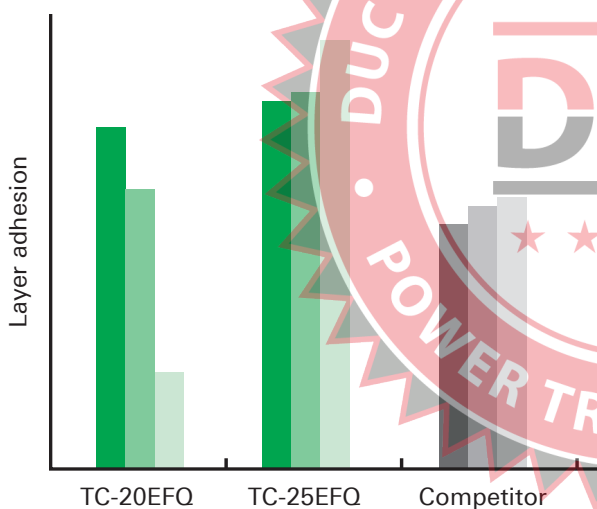
Dimensional stability and excellent layer adhesion



The TC-25EFQ provides outstanding dimensional stability and best-in-class strength. According to the test users, no re-tensioning was required.

The competitor benchmark product required re-tensioning 1 to 3 times on the same installation, leading to additional downtime costs. The TC-25EFQ has:

- a 30% higher k1 % after running-in (ari) than our predecessor product TC-20EFQ
- an 8% higher k1 % ari value than the measured value of the competitor's benchmark product



The new bonding agent of the TC-25EFQ features superior layer adhesion, as well as excellent dynamic properties and temperature resistance.

The product is particularly suitable for demanding climatic conditions.

- The layer adhesion of the TC-25EFQ slightly increased during the dynamic test. Measured after 45 million bending cycles, the layer adhesion of the TC-25EFQ increased by 14% between room temperature and 80 °C. This reflects the excellent temperature resistance of the new bonding agent
- At room temperature and measured after 45 million bending cycles, the TC-25EFQ had 43% higher layer adhesion than the competitor benchmark product
- At 80 °C and measured after 45 million bending cycles, the TC-25EFQ had over 4 times higher layer adhesion than the predecessor product TC-20EFQ
- At 80 °C and measured after 45 million bending cycles, the TC-25EFQ had 58% higher layer adhesion than the competitor benchmark product

- Layer adhesion at RT new *)
- Layer adhesion at RT after test (**)
- Layer adhesion at 80° after test (**)

RT = Room temperature

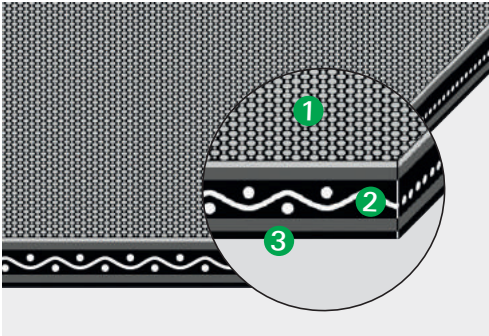
*) Adhesion values of new samples

***) Adhesion values measured after destruction tester (45 million bending cycles)

TC-25EFQ

The new benchmark for reliability and performance

Cross-section



- 1 Rough structure on yellow side
- 2 Polyester traction layer
- 3 Fine structure on black side

Apart from the surface structure and color, the product is symmetrical.

Technical key data

Type	Thickness		k1% after running-in		Color of pulley side	Color of opposite side
	mm	inch	N/mm	inch		
TC-25EFQ	2.0	0.079	13	74	Yellow	Black



Ring spinning application driven by tangential belt

Solutions in motion

Customers first

Your success is our goal. That is why we don't just offer products; we provide solutions. As committed partners to our customers, we are dedicated to sharing our knowledge and providing full support.

Since our founding in 1946, Habasit has been finding ways to meet customer-specific needs in every application. This is what differentiates us as the #1 worldwide belting provider in the industry today.



Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that have led the global market for decades.



Belt selection and calculation assistance

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at selecalc.habasit.com.



Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.



Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.



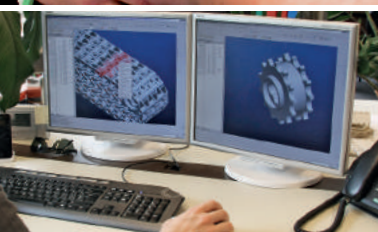
Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location.



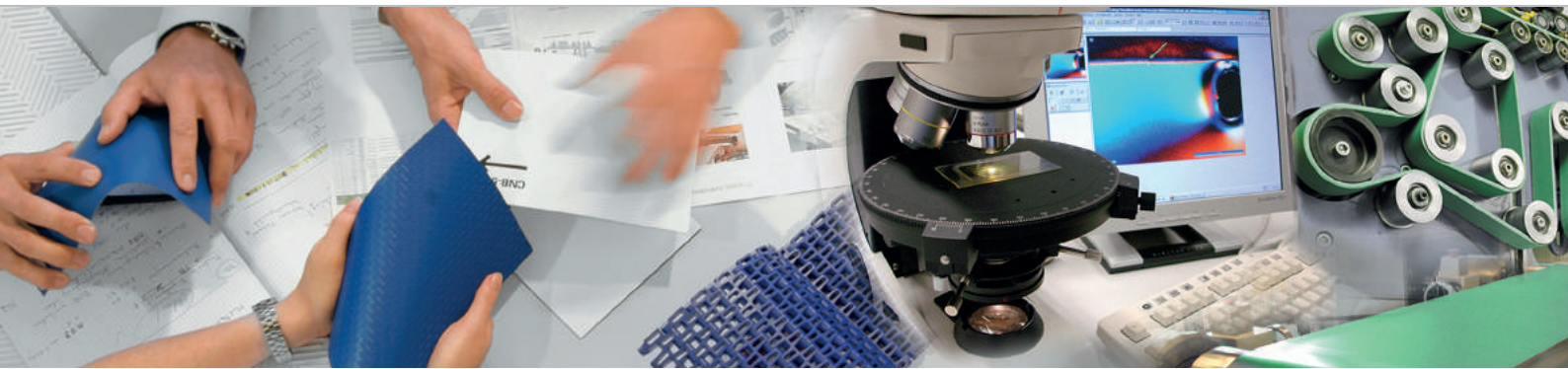
Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customers' sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.



Committed to innovation

Because our customers' belting challenges and needs are always changing, we consistently invest a substantial amount of labor and resources into the research and development of new products and solutions.

Certified for quality

We deliver the highest quality standards not only in our products and solutions, but also in our employees' daily work processes. Habasit AG is certified according to ISO 9001:2015.



Worldwide leading product range

Habasit offers the largest selection of belting, conveying, processing and complementary products in the industry. Our response to any request is nothing less than a specific, tailor-made solution.



HabaFLOW®
Fabric-based conveyor and processing belts



HabasitLINK®
Plastic modular belts

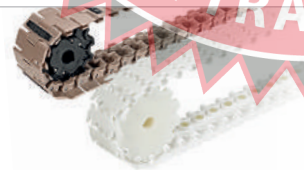


Habasit® Cleandrive
Monolithic reinforced conveyor belts

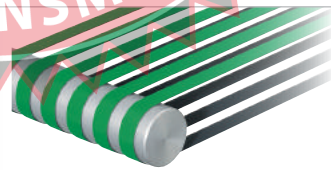
HabaDRIVE®
Power transmission belts



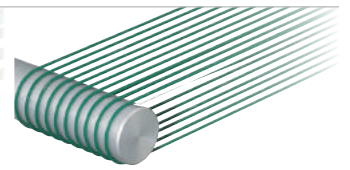
HabaSYNC®
Timing belts



HabaCHAIN®
Chains (slat and conveyor chains)



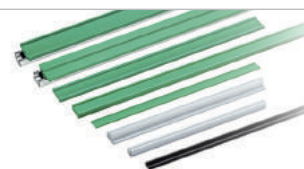
Machine tapes



Round belts



Seamless belts



HabiPLAST
Profiles, Guides, Wear strips



Accessories
(sprockets, flights, welding profiles, etc.)



Fabrication tools
(joining, cutting & preparing devices)

Australia

Habasit Australia Pty Ltd.
Silverwater, Sydney
Phone: +61 1300 945 455
www.habasit.com.au

Austria

Habasit GmbH, Wiener Neudorf
Phone: +43 1 690 66
www.habasit.at

Belgium & Luxembourg

Habasit Belgium N.V., Zaventem
Phone: +32 27 250 430
www.habasit.be | habasit.lu

Brazil

Habasit do Brasil, Barueri - SP
Phone: +55 11 4789 9022
www.habasit.com.br

Canada

Habasit Canada Ltd., Oakville
Phone: +1 905 827 41 31
www.habasit.ca

China

Habasit East Asia Ltd.
Fotan, Shatin, N.T., Hong Kong
Phone: +852 2145 0150
www.habasit.com.hk

Habasit (Shanghai) Co. Ltd.
Shanghai
Phone: +8621 5488 1218
www.habasit.com.cn

France

Habasit France SAS, Mulhouse
Phone: +33 3 89 33 89 03
www.habasit.fr

Germany

Habasit GmbH, Eppertshausen
Phone: +49 6071 969 0
www.habasit.de

India

Habasit India, Coimbatore
Phone: +91 422 666 78 00
www.habasit.in

Italy

Habasit Italiana SpA
Customer Care: 0438 911333
For int. calls: +39 0438 911444
www.habasit.it

Japan

Habasit Nippon Co., Ltd., Tokyo
Phone: +81 120 07 6339
www.habasit.co.jp

Korea (Republic of)

Habasit Korea Ltd., Seongnam
Phone: +82 31 737 9370
www.habasit.co.kr

Mexico

Habasit Rocua, Zapopan
Phone: +52 33 3824 2358
www.habasitrocua.mx

Netherlands

Habasit Netherlands BV, Nijkerk
Phone: +31 332 472 030
www.habasit.nl

New Zealand

Habasit New Zealand Pty Ltd.
Auckland
Phone: 0800 000 070
www.habasit.co.nz

Nordic countries

Habasit AB, Hindås, Sweden
Phone: +46 301 226 00
www.habasit.se

Poland

Habasit Polska Sp. z o.o.
Dąbrowa Górnicza
Phone: +48 32 639 02 40
www.habasit.pl

Russia

OOO Habasit Ltd.
Moscow Region
Phone: +7 495 966 1566
www.habasit.ru

Singapore

Habasit Far East Pte Ltd.
Singapore
Phone: +65 6862 5566
www.habasit.com.sg

South Africa

Habasit South Africa Pty Ltd.
Gauteng
Phone: +27 10 001 6770
www.habasit.co.za

Spain

Habasit Hispánica S.A.
Barberá del Vallés
Phone: +34 937 191 912
www.habasit.es

Switzerland

Habasit GmbH, Reinach
Phone: +41 61 577 51 00
www.habasit.ch

Taiwan

Habasit (Taiwan) Ltd.
New Taipei City
Phone: +886 2 2267 0538
www.habasit.com.tw

Turkey

Habasit Kayis San.
Ve Tic. Ltd. Sti., Istanbul
Phone: +90 444 70 43
www.habasit.com.tr

Ukraine

Habasit Ukraine LLC., Kyiv
Phone: +38 044 290 88 99
www.habasit.ua

United Kingdom & Ireland

Habasit UK Ltd., Elland
Phone: +44 333 207 6570
www.habasit.co.uk

USA

Habasit America
Suwanee, Georgia
Phone: +1 800 458 6431
www.habasitamerica.com

Habasit International AG

Römerstrasse 1
CH-4153 Reinach, Switzerland
Phone +41 61 715 15 15
Fax +41 61 715 15 55
www.habasit.com

Registered trademarks
Copyright Habasit International AG
Subject to alterations
4416.SRF.PTB-en1017HQR

TC-55ERA

Advanced Version of TC-55ER



Habasit has now optimized the belt body materials and construction of the TC-55ER, and is setting new benchmarks for operational efficiency and reliability.

The new advanced version TC-55ERA is particularly suitable as a tangential belt for applications in yarn processing, e.g. for Two-for-One twisting machines.

Thanks to better longitudinal flexibility, customers benefit from the following additional advantages:

- Outstanding flex-fatigue properties
- Up to 4% lower energy consumption compared to the TC-55ER
- Highest reliability combined with long belt life
- All other properties remain unchanged: the TC-55ER can be replaced by the new advanced TC-55ERA without any application restrictions

TC-55ERA

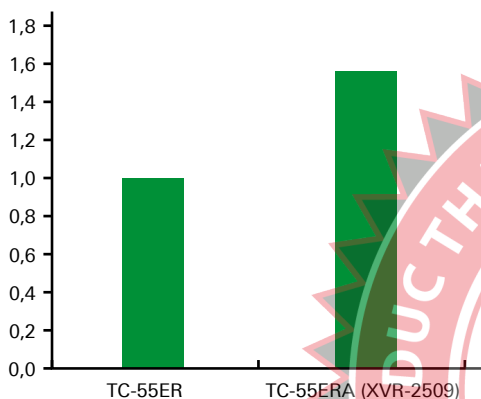
Optimized for operational efficiency and lifetime



The TC-55ERA has been extensively tested in the field for over a year on representative applications and under very demanding climatic conditions. Tests at leading yarn producers showed:

- Excellent machine performance and output
- Precise and uniform rpm spindle speeds and yarn quality
- Long belt service life even in hot and humid regions

Longitudinal flexibility



The TC-55ERA has more than 1.5 times better longitudinal flexibility than the TC 55ER. This results in substantial energy and cost savings.

Energy and cost savings

Compare the energy costs for Habasit's polyester TC-belts vs competitors' Polyamide tangential belts:

	TC-55ER Former version	TC-55ERA Optimized version
Average energy saving vs competitors' Polyamide tangential belt	4% – 6%	8% – 10%
Average energy cost savings per spindle/year	~ 1.1 USD	~ 2.0 USD
Average energy-saving potential per year in a spinning mill with 100,000 spindles	110'000 USD	200'000 USD

Assumptions

Energy consumption per spindle: 25 W
Energy costs per kWh: 0.1 USD
Operation time: 24 hours / 360 days
Number of spindles per plant: 100,000

TC-55ERA: the right response to increasing energy costs!

TC-55ERA

Optimized for operational efficiency and lifetime

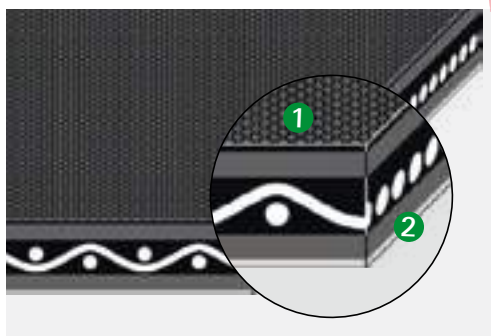
Performance summary

Key features	Your benefits
<ul style="list-style-type: none"> Optimized belt body construction with new thermoplastic foil Longitudinal flexibility Excellent flex-fatigue properties 	<ul style="list-style-type: none"> Low energy consumption Belt can cope with demanding climatic conditions, e.g. with hot and humid environments in Asia Long belt service life
<ul style="list-style-type: none"> Excellent dimensional stability No sensitivity to changing ambient humidity 	<ul style="list-style-type: none"> No re-tensioning required after installation with adequate initial tension Reduced machine downtimes Consistent rpm Uniform yarn quality High machine performance Low operating costs
<ul style="list-style-type: none"> Durable and abrasion resistant elastomer cover Constant coefficient of friction Excellent flex-fatigue properties 	<ul style="list-style-type: none"> Reliable and consistent grip Consistent rpm Uniform yarn quality High machine performance Long belt service life
<ul style="list-style-type: none"> Good belt tracking 	<ul style="list-style-type: none"> No re-adjustments required Trouble-free machine operation Reduced machine downtimes High machine performance
<ul style="list-style-type: none"> Adhesive-free joining* Durable joint with excellent flex-fatigue properties 	<ul style="list-style-type: none"> Easy on-site joining Low maintenance costs Long belt service life

* Please be careful to follow the new joining instructions for the TC-55ERA

In brief: high machine performance, long belt life and low lifecycle costs

Cross-section



1 Rough structure on black pulley side

2 Rough structure on light green side

Apart from the surface structure and color, the product is symmetrical

Technical key data

Type	Thickness		k1% after running-in		Color of pulley side	Color of opposite side
	mm	inch	N/mm	lbs/inch		
TC-55ERA	3.0	0.12	25	143	Black	Light green

Solutions in motion



Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that have led the global market for decades.



Belt selection and calculation assistance

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at selecalc.habasit.com.



Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.



Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.



Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location. ★



Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customers' sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

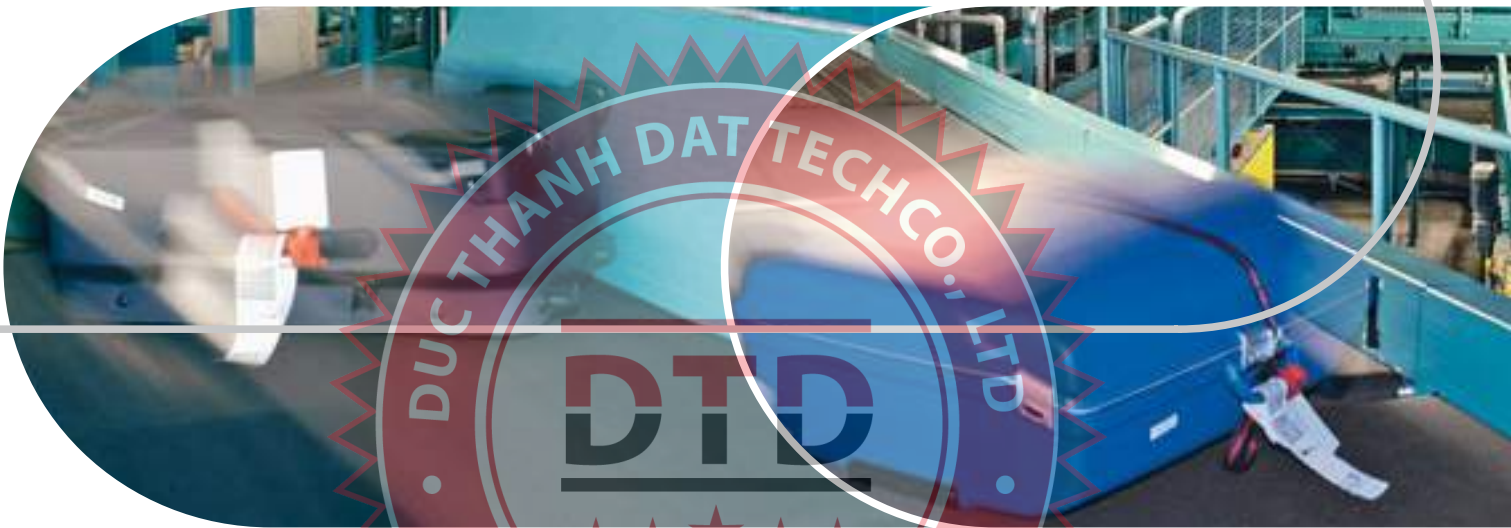
Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

4417SRF.PTB-en1017HQR

Energy-Saving Package Handling Belt APH120FBS-E3



The APH120FBS-E3 is part of the Eff-Line family and offers low noise and energy-efficient running side fabric. The interwoven fabric construction and top side PVC impregnation produce a belt that withstands tough applications.

This belt is ideal in package and baggage handling applications where energy consumption or worker safety is of concern.

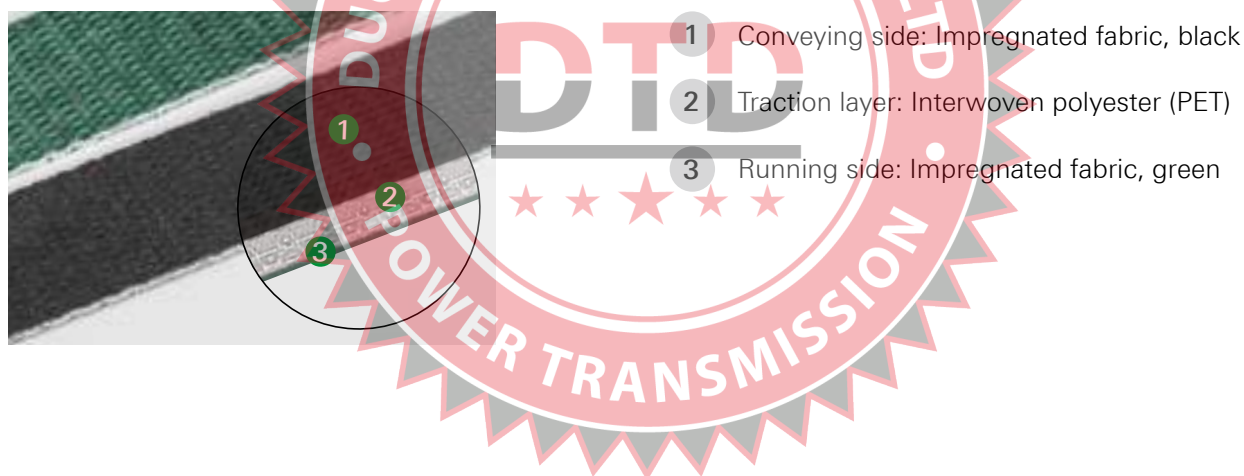
The low stretch belt design with a PET interwoven carcass features:

- A low noise running side
- Inclusion of the e-saver compound for very low friction and energy-efficient operation
- Top covers with low friction PVC impregnation for horizontal conveying, diverting and inclines up to 12 degrees
- Use of mainly mechanical fasteners, although adhesive-free joining is also possible

Energy-Saving Package Handling Belt APH120FBS-E3

Key features	Your benefits
<ul style="list-style-type: none"> Low noise running side fabric 	<ul style="list-style-type: none"> Improved worker safety Increased throughput from higher running speeds made possible by low noise fabric
<ul style="list-style-type: none"> E-saver compound impregnation on the running side 	<ul style="list-style-type: none"> Energy cost savings Increased peak load capacity Reduced motor size possible Reduced work injuries if belt is used with e-saver side up on side loading
<ul style="list-style-type: none"> Durable interwoven construction 	<ul style="list-style-type: none"> High puncture and tear resistance Extended service life Decreased downtime
<ul style="list-style-type: none"> High strength interwoven fabric design 	<ul style="list-style-type: none"> Low stretch belt requiring minimal initial tension Reduction of maintenance time for re-tensioning

Cross-section



Technical key data

Type	Thickness		Tensile force for 1% elongation (relaxed)		Color of conveying side
	mm	inch	N/mm	lbf/inch	
APH120FBS-E3	3.6	0.14	12	69	Black

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

4430SRF.CVB-en0218HQR

Habasit Premium TPU Food Belts



The hard-working belts of food and packaging industries

Habasit TPU-coated fabric belts are widely used in food processing and packaging industries due to their versatile properties. Characterized by high abrasion resistance, the compound helps to keep the belt surface smooth and easy to clean for longer. This also results in the belt maintaining very good release properties over lifetime. TPU belts are suitable for operation in a wide range of temperatures and remain flexible in cold conditions. They do not influence taste, which makes them especially liked by the food industry.

Developing the new Habasit Premium range of TPU Food Belts our engineers focused on the biggest challenges food processors and packaging professionals encounter. From product recalls caused by contamination with foreign bodies to cost control and process automation – the two dominating topics for the industry today are food safety and operational efficiency.

Food processing challenges

Working towards reduced Total Cost of Ownership

Cost effective operations depend on striking the right balance of product output and yield, and an uninterrupted running of the line. Unplanned downtime due to belt failure, extended cleaning time caused by belt damage or frequent machine stops for belt replacements have a substantial impact on overall productivity.

Designed for enhanced hygiene performance

Food safety remains the key concern for food processing and packaging industry. Recalls due to foreign body or bacterial contamination are costly, damaging the reputation and trust of consumers in brands. The industry puts a high priority on adequate hygiene protocols and invests in solutions which prevent unnecessary incidents impacting food safety.

Habasit Premium TPU Food Belts offer improved cost of ownership and enhanced food safety addressing the challenges arising from the demands of production environment.











Challenge	Habasit Premium TPU performance	
	Improved Operational Efficiency	Better Food Safety
Continued operation at elevated temperatures	<ul style="list-style-type: none"> • Suitable for continuous operations at belt temperatures up to 110°C/230°F. • Lower risk of joint damage and extended belt lifetime result in fewer stops for belt replacement 	<ul style="list-style-type: none"> • No delamination caused by high operating temperatures • Suitable for cleaning with steam – reduced belt ageing caused by high temperatures
Reducing the risk of foreign object contamination	<ul style="list-style-type: none"> • Frayless fabric eliminates the need of edge sealing to reduce belt edge damage 	<ul style="list-style-type: none"> • Combination of spun fabrics and knitwear limits the risk of long fibers tearing, which could get into the product
Moist and oily production environment impacting belt performance	<ul style="list-style-type: none"> • Increased resistance to hydrolysis and stable chemical resistance reduce the belt degradation caused by water and influence of frequent cleaning 	<ul style="list-style-type: none"> • Innovative impregnation prevents the ingress of water and oils into the belt fabric improving hygiene and inhibiting microbial and biofilm growth which could cause food safety risk
Avoiding product waste and improving yield	<ul style="list-style-type: none"> • With good release properties the loss of product leading to yield waste is limited • Through combination of longitudinal flexibility and lateral stiffness the belts are designed for tight transfer (nosebar suitable) of small or fragile goods 	<ul style="list-style-type: none"> • Reduction in food residue on the belt resulting from release improves food safety preventing microbial growth

Habasit Premium TPU range

Habasit Premium TPU range

The new TPU Food Belt range includes as first package 8 two-ply designs in four surface structures, which give an added flexibility to food and packaging processors to select the best suited belts for the application requirements.

Belt	Features
Smooth – matt	
 FNB-5EZWH-P1	<ul style="list-style-type: none"> • good mechanical resistance • excellent performance in frequently cleaned areas • suitable for lines equipped with food scrapers • good product release • suitable for high-speed operations
 FNB-5EZCH-P1	
Smooth – glossy	
 FAB-5EZWH-P1	<ul style="list-style-type: none"> • good mechanical resistance • excellent performance in frequently cleaned areas • suitable for lines equipped with food scrapers • good product adherence • suitable for incline and decline conveying • improves precise positioning of dry or semi-dry product
 FAB-5EZCH-P1	
Structured	
 FMW-6EZWH-P1	<ul style="list-style-type: none"> • good grip and release properties • recommended for incline and decline conveying • prevents vacuum effect
 FMW-6EZCH-P1	
Impregnated	
 FNI-5EIWH-P1*	<ul style="list-style-type: none"> • low coefficient of friction, good push-off • recommended for product accumulation • ideal for applications requiring precise positioning of product
Open Fabric	
 FNT-5MRWH-P1*	<ul style="list-style-type: none"> • good dough release • recommended for dry, moist and oily environment • prevents product damage in raw state

* to serve target applications best this belt does not feature frayless fabrics and low-wicking impregnation

Solutions in motion



Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that have led the global market for decades.



Belt selection and calculation assistance

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at selecalc.habasit.com.



Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.



Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.



Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location. ★



Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customers' sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/ disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

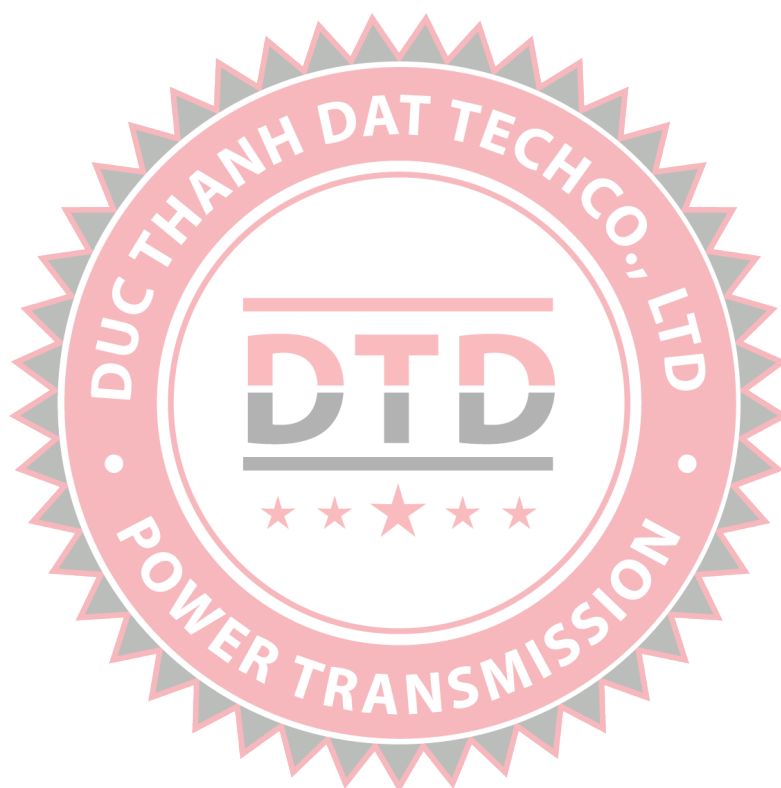
Copyright Habasit AG
Subject to alterations

4436FLY.CVB-en0318HQR

Habasit Premium TPU Food Belts



An enhanced generation of TPU food belts	3
Food processing challenges	4
Key features	5
Habasit Premium TPU surface structures	7
Industries and applications	8
Case studies	10
Dough divider	10
Bread production	11
Pizza production	12
Fine pastry production	13
Solutions in motion	14
Contacts	16



Hard-working belts for the food and packaging industries

Habasit TPU-coated fabric belts are widely used in the food processing and packaging industries thanks to their versatile properties. The high abrasion resistance of the thermoplastic material helps to keep the belt surface smooth and easy to clean for longer. This also results in the belts maintaining very good release properties over their entire lifetimes. TPU belts are suitable for operation in a wide range of temperatures and remain flexible in cold conditions. They do not influence taste, which makes them particularly suitable for use in the food industry.

When developing the new Habasit Premium TPU food belt range, our engineers focused on the biggest challenges that food processors and packaging professionals encounter. From product recalls due to contamination by foreign bodies, to cost control and process automation, the two dominating topics for the industry today are food safety and operational efficiency.

Find out more about the benefits of Habasit Premium TPU food belts and their key features:



Temperature resistance



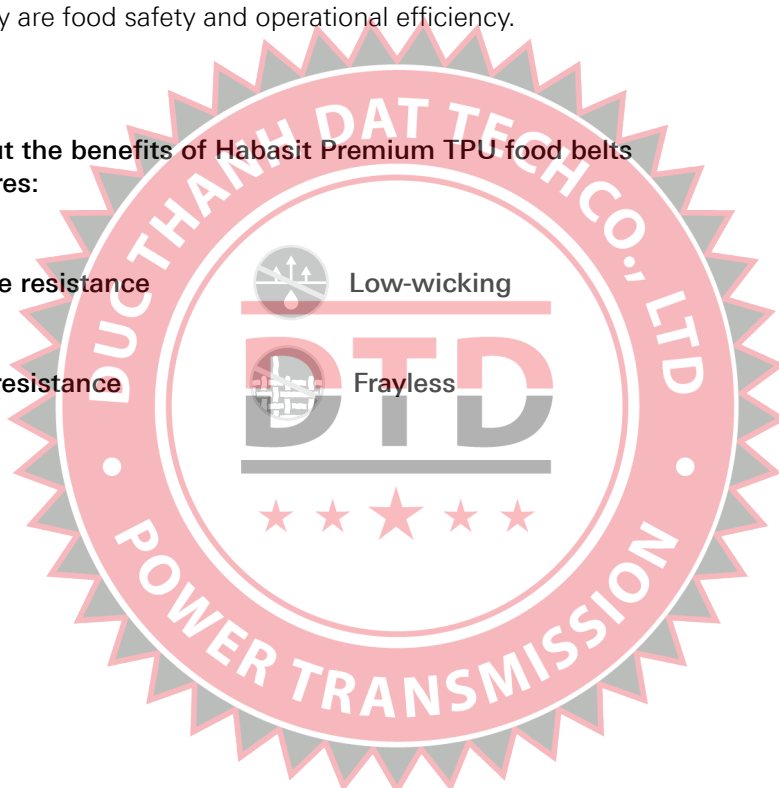
Hydrolysis resistance



Low-wicking



Frayless



Working towards reduced total cost of ownership

Cost-effective operations depend on striking the right balance of product output, yield, and uninterrupted line running. Unplanned downtime due to belt failure, extended cleaning time caused by belt damage, or frequent machine stops for belt replacements have a substantial impact on overall productivity.

Designed for enhanced hygiene performance

Food safety remains the key concern for the food processing and packaging industry. Recalls due to foreign bodies or bacterial contamination are costly, damaging the reputation of the brand and the trust of consumers. The industry puts a high priority on appropriate hygiene protocols, and invests in solutions to prevent unnecessary incidents impacting food safety.

Habasit Premium TPU food belts offer improved cost of ownership and enhanced food safety, addressing the key challenges arising from the demands of the production environment.



Challenge	Habasit Premium TPU performance	
	Improved operational efficiency	Better food safety
Continuous operation at elevated temperatures	<ul style="list-style-type: none"> • Suitable for continuous operation at belt temperatures up to 110 °C / 230 °F • Lower risk of joint damage and extended belt lifetimes result in fewer stops for belt replacement 	<ul style="list-style-type: none"> • No delamination caused by high operating temperatures • Suitable for cleaning with steam – reduced belt ageing caused by high temperatures
Risk of foreign object contamination	<ul style="list-style-type: none"> • Frayless fabric eliminates the need for edge sealing to reduce belt edge damage 	<ul style="list-style-type: none"> • A combination of spun fabrics and knitwear limits the risk of long fibers tearing and entering the product
Moist and oily production environment impacts belt performance	<ul style="list-style-type: none"> • Increased resistance to hydrolysis and stable chemical resistance reduce the belt degradation caused by water and the effects of frequent cleaning 	<ul style="list-style-type: none"> • Innovative impregnation prevents the ingress of water and oils into the belt fabric, improving hygiene and inhibiting microbial and biofilm growth that could cause a food safety risk
Need to avoid product waste and improve yields	<ul style="list-style-type: none"> • Good release properties limit the loss of product leading to yield waste • The combination of longitudinal flexibility and lateral stiffness of the belts permits tight transfers (nosebar suitable) of small or fragile goods 	<ul style="list-style-type: none"> • The reduction in food residue on the belt resulting from good release improves food safety by preventing microbial growth

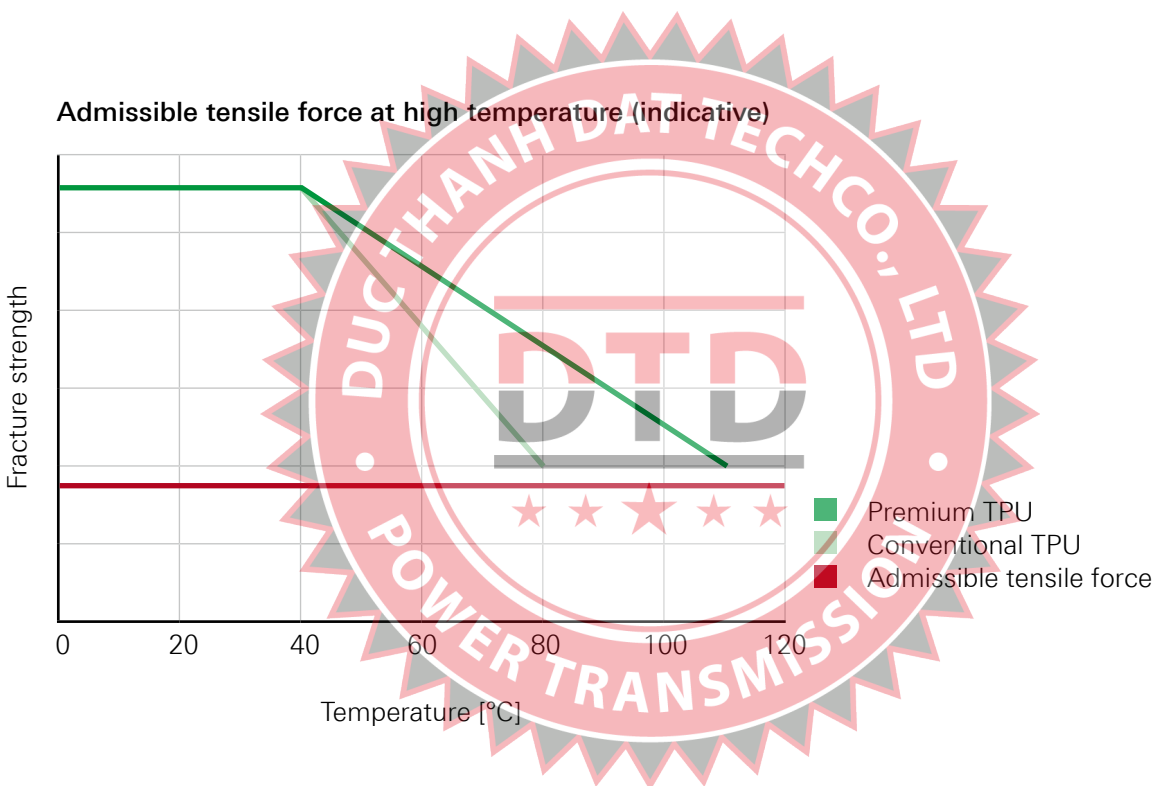


Temperature resistance up to 110 °C

Conveyor belts require an inherent tensile force to correctly fulfill their function of moving goods.

Elevated temperatures impact the admissible force, limiting the use of conventional TPU belts to maximum temperatures of around 80 degrees Celsius. Above that temperature the fracture strength and conveying properties of conventional TPU belts are weakened and the risk of joint failure is higher. The belt surface may age more quickly as well, leading to a greater risk of hygiene problems. To avoid unnecessary belt failure and frequent replacements, conventional TPU belts are therefore not recommended for operation at higher temperatures.

Habasit Premium TPU food belts are designed to withstand higher temperatures at the required tensile force while maintaining a high level of functionality. Due to their lower risk of joint damage and delamination, they offer an extended lifetime at temperatures ranging as high as 110 degrees Celsius, which means fewer belt replacements and better overall line productivity.



Low-wicking

Moist and oily operating conditions can influence the ease of maintaining the level of food safety you require. With conventional TPU belts, over time the fabric can absorb liquids and oil or fats on the belt's running side, which leads to loss of belt performance and reduces the belt's hygienic properties, resulting in a higher risk of microbial growth and biofilm formation.

Habasit Premium TPU belts feature strong wicking protection to reduce this risk. The innovative impregnation of the belt's running side offers high impermeability, preventing the ingress of water, oil or fats. With no liquids penetrating the fabric of the belt, overall hygiene performance is improved. The impregnation used for Habasit Premium TPU belts makes it easier to ensure reliable food safety.



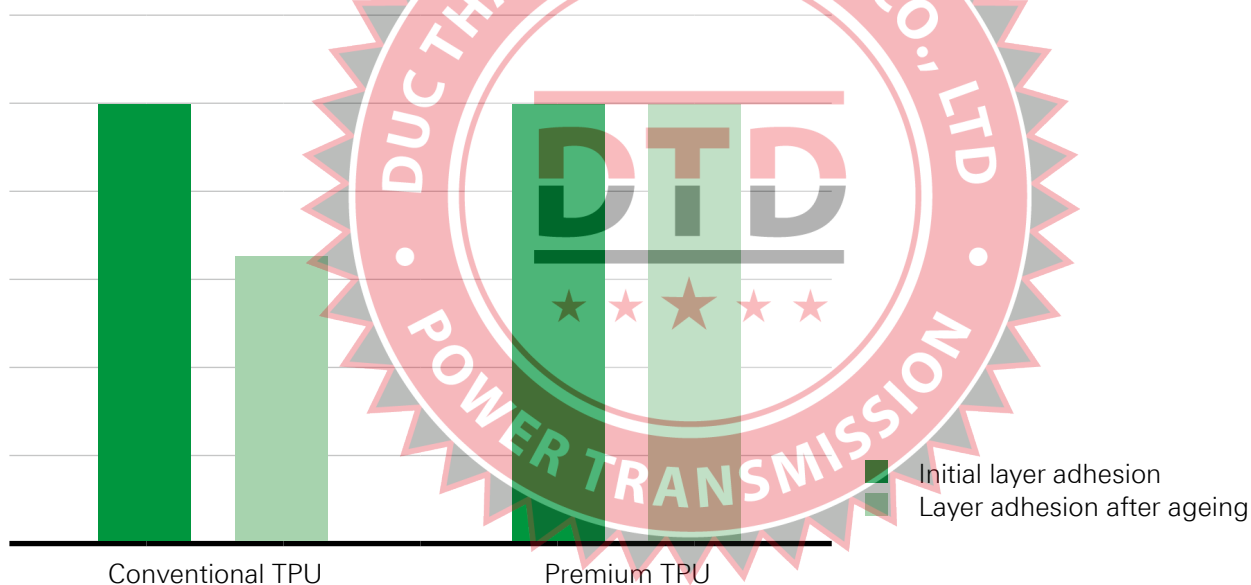
Hydrolysis resistance

Keeping your production process food safe means using cleaning protocols that guarantee impeccable hygiene. Steam or water-based cleaning methods are frequently applied, creating a hot and humid environment for the belt.

With conventional TPU belts, humidity, especially at elevated temperatures, can speed up belt degradation - an effect known as hydrolysis. Belt layer adhesion will also deteriorate, causing delamination. The higher risk of surface damage will decrease the belt lifetime, as it will become harder to clean and maintain appropriate hygiene levels.

The material used for the Habasit Premium TPU range shows excellent resistance to hydrolysis. Lab tests and field experience demonstrate that the belts maintain their layer adhesion regardless of exposure to hot and humid conditions. The belt surface remains unaffected even by demanding cleaning procedures, which ensures better cleaning results and leads to improved shelf life for your product. With enhanced durability, the belts have a significantly longer operating lifecycle, which reduces the frequency of replacements.

Layer adhesion after ageing at high temperature and humidity levels



Frayless

A frequent industry headache is the risk of contamination of the product by foreign objects, which may also come from the conveyor belt. The belt edge running against equipment may become damaged, with the risk that long strings of the fabric will get into the product. To avoid this undesired effect, belt edges are often sealed for extra protection.

The unique design of Habasit Premium TPU belts incorporates a special combination of fabrics that limits the risk of long fibers tearing. The edge of the belt is better protected against damage and does not require the additional costs of protection using a sealant.

Surface structure features

The first belts launched in the Habasit Premium TPU range include several two-ply designs with five surface structures. These offer added flexibility to food and packaging processors, enabling you to select the best belts for your application requirements.

Surface structure	Features
Matt	<ul style="list-style-type: none"> • Good mechanical resistance • Excellent performance in frequently cleaned areas • Suitable for lines equipped with food scrapers • Good product release • Suitable for high-speed operations • Excellent longitudinal flexibility for a nosebar radius down to 2 mm
Glossy	<ul style="list-style-type: none"> • Good mechanical resistance • Excellent performance in frequently cleaned areas • Suitable for lines equipped with food scrapers • Good product adherence • Suitable for incline and decline conveying • Improves precise positioning of dry or semi-dry product • Excellent longitudinal flexibility for a nosebar radius down to 2 mm
Structured	<ul style="list-style-type: none"> • Good grip and release properties • Recommended for incline and decline conveying • Prevents vacuum effect
Impregnated fabric*	<ul style="list-style-type: none"> • Low coefficient of friction, good push-off • Recommended for product accumulation • Ideal for applications requiring precise positioning of product
Open fabric*	<ul style="list-style-type: none"> • Good dough release • Recommended for dry, moist and oily environments • Prevents product damage in a raw state

* In order to optimally serve the target applications, this belt does not feature frayless fabrics and low-wicking impregnation

Bakery



Challenge	Belt feature
Dough handling	
<ul style="list-style-type: none"> Sticky residues 	<ul style="list-style-type: none"> Good release, scraper resistant coating
<ul style="list-style-type: none"> Sticky dough 	<ul style="list-style-type: none"> Good grip and release surface
Dough transfer to oven	
<ul style="list-style-type: none"> Hot, moist environment 	<ul style="list-style-type: none"> Hydrolysis and temperature resistance
Oven outfed	
<ul style="list-style-type: none"> Hot goods 	<ul style="list-style-type: none"> Elevated temp. resistance
<ul style="list-style-type: none"> Steam/moisture 	<ul style="list-style-type: none"> Hydrolysis resistance
Biscuits and crackers - oil spray (after oven)	
<ul style="list-style-type: none"> Oily, hot, moist environment 	<ul style="list-style-type: none"> Hydrolysis and oil resistance
Pastry - lamination	
<ul style="list-style-type: none"> Flour spread on conveyor 	<ul style="list-style-type: none"> Bottom fabric protects against dirt ingress and shrinkage

Meat & Poultry, Fish



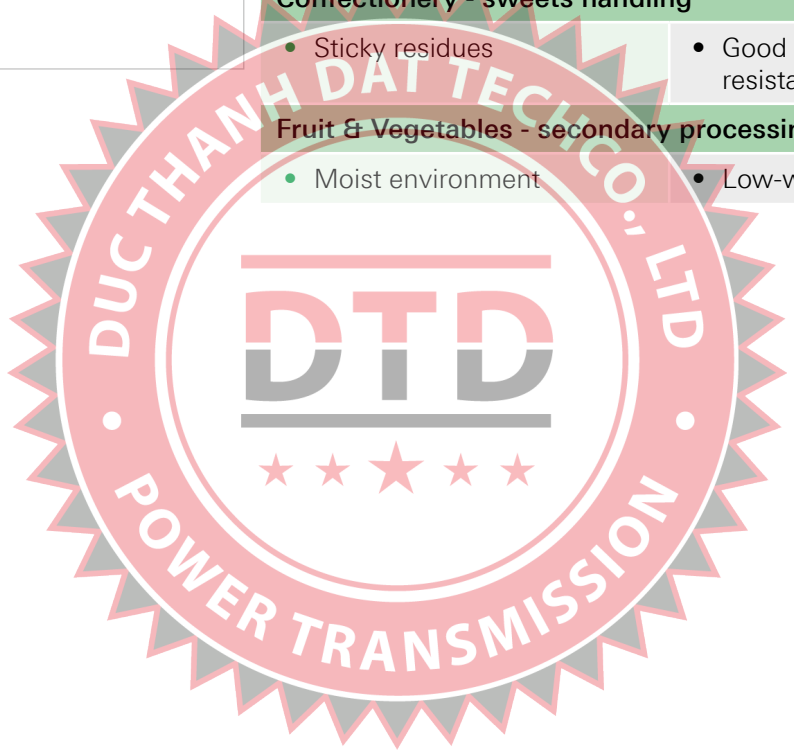
Challenge	Belt feature
End of line processing	
<ul style="list-style-type: none"> Sticky residues 	<ul style="list-style-type: none"> Good release, scraper resistant coating
Secondary processing	
<ul style="list-style-type: none"> Moist environment 	<ul style="list-style-type: none"> Low-wicking bottom



Food - general



Challenge	Belt feature
General conveying	
<ul style="list-style-type: none"> • Cleaning with steam 	<ul style="list-style-type: none"> • Hydrolysis resistance
<ul style="list-style-type: none"> • Fraying of belt edges 	<ul style="list-style-type: none"> • Frayless fabric design
<ul style="list-style-type: none"> • Tight transfers 	<ul style="list-style-type: none"> • Design suitable for a tight nosebar radius down to 2 mm
<ul style="list-style-type: none"> • Cleaning with water-based systems 	<ul style="list-style-type: none"> • Hydrolysis resistance
Confectionery - sweets handling	
<ul style="list-style-type: none"> • Sticky residues 	<ul style="list-style-type: none"> • Good release, scraper resistant coating
Fruit & Vegetables - secondary processing	
<ul style="list-style-type: none"> • Moist environment 	<ul style="list-style-type: none"> • Low-wicking bottom



The FMW-6EZCH-P1 saves a bakery costly belt replacements through a 4 x longer belt lifetime for its dough divider

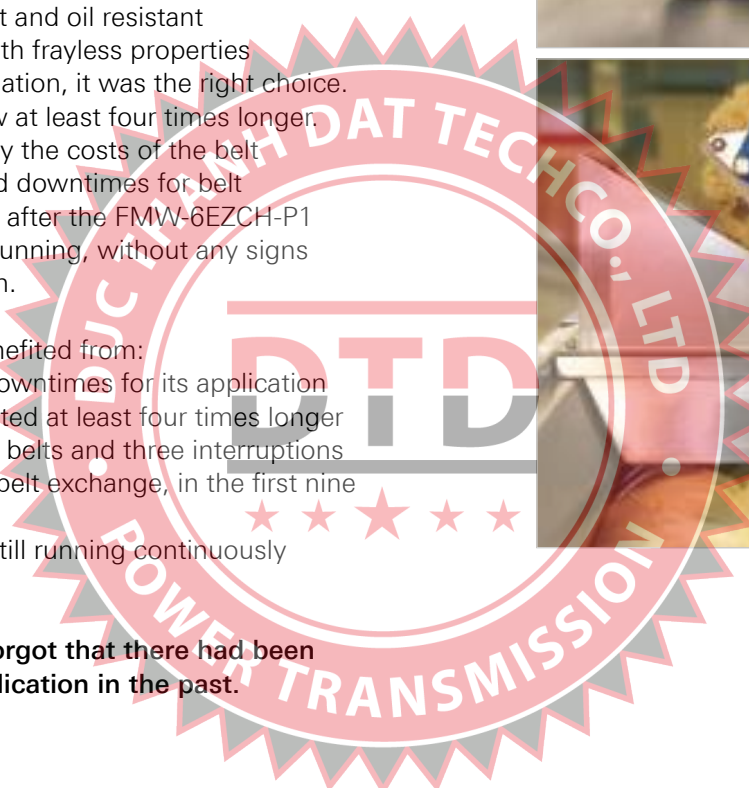
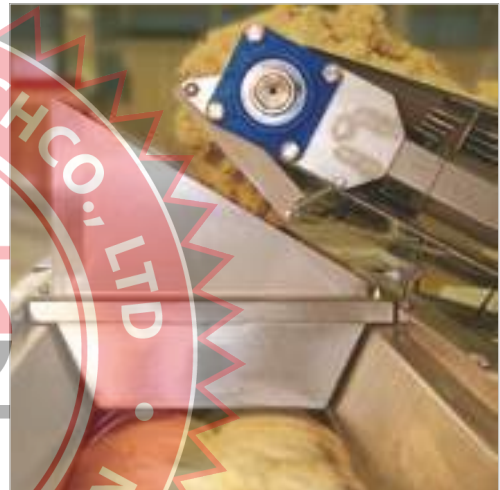
A bakery was struggling with short belt lifetimes in the dough divider section, where a lot of fat is required to divide dough and keep it separated. The oil was invading the belt material via the edges, which caused fraying and delamination. Due to this the belt needed to be replaced every six to twelve weeks, creating frequent costly application downtimes.

We proposed our new fat and oil resistant FMW-6EZCH-P1 belt. With frayless properties and a low risk of delamination, it was the right choice. The belt lifetime was now at least four times longer. The bakery saved not only the costs of the belt material, but also avoided downtimes for belt exchanges. Nine months after the FMW-6EZCH-P1 was installed it was still running, without any signs of fraying or delamination.

The bakery customer benefited from:

- Reduced expensive downtimes for its application
- A belt lifetime that lasted at least four times longer
- Cost savings on three belts and three interruptions of the application for belt exchange, in the first nine months alone
- A new belt that was still running continuously after nine months

The customer almost forgot that there had been problems with this application in the past.



A bread producer achieves belt lifetimes up to 8 x longer with the FMW-6EZW-H-P1 waffle structure

A multinational food producer tested many competitor belts, but struggled with short belt lifetimes of only two weeks to two months. The bread dough in this application is very sticky and scrapers cannot be used. The challenge was to find a belt robust enough to handle a heavy dough load, with low adhesiveness (very sticky bread dough), and able to maintain a constant width over the entire belt length to avoid fraying against the steel sidewalls. Another problem was cracking due to the very fatty and oily conditions.

The solution provided by Habasit was the FMW-6EZW-H-P1, a very strong belt capable of handling the heavy, oily bread dough and strong lateral forces. With the FMW-6EZW-H-P1 the bakery was able to increase the belt lifetime to four months, so by up to eight times, due to the new belt's properties. Three belts were aligned in the lamination section, where the very sticky dough is rolled out to a thinner layer. The bread producer replaced all three belts in this line and was very satisfied with the improved belt lifetime.

The bread producer benefited from:

- Belt lifetimes up to eight times longer than the belt used before
- No belt cracking or fraying
- Less residue due to better release properties
- Options to make further savings by replacing belts used for other applications

Each new belt lasts up to eight times longer.



A pizza producer gets 3 x longer belt lifetimes with the chemical and temperature resistant FNB-5EZCH-P1

A top player in the ready-made food market had to exchange the fabric conveyor belt in its pizza production line every six months. The belt was installed in an oven outfeed where the hot pizza is transferred to the belt and the toppings (tomatoes, cheese, ham and spices) are applied. Tomatoes contain organic acids that require daily cleaning of the belt with chemical agents. This, and the high temperatures from the oven, placed great demands on the belt.

The pizza producer was looking for a belt with a lifetime of at least 1.5 years. Habasit suggested the FNB-5EZCH-P1 for its high chemical and temperature resistance. Its Habasit Premium TPU, along with a frayless fabric and new impregnation, also make the FNB-5EZCH-P1 the perfect choice for this demanding application. The FNB-5EZCH-P1 was installed, and was still running without problems more than 18 months later. The customer saves money as there is no need to invest in a new belt every six months, and costly downtimes for belt exchange are avoided.

The food producer benefited from:

- A tripled belt lifetime over the formerly chosen belt
- Time savings due to less frequent belt replacements
- Less harsh cleaning requirements, as the frayless, impregnated fabric absorbs less fat and liquids

Belt lifetime has been more than tripled.



The FNI-5EIWH-P1 with Habasit Premium TPU is the perfect solution for a fine pastry producer's demanding application

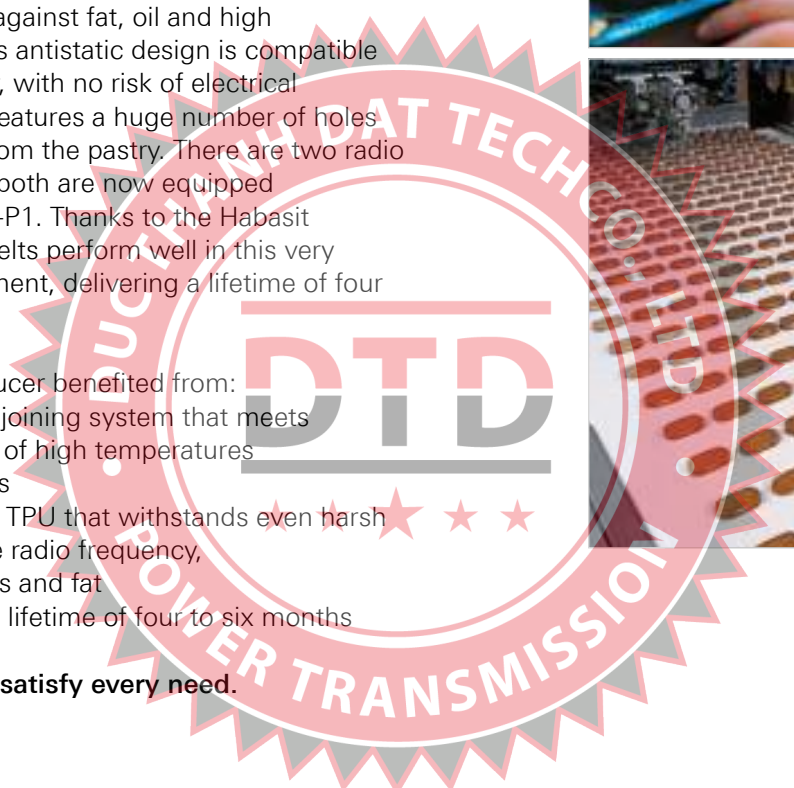
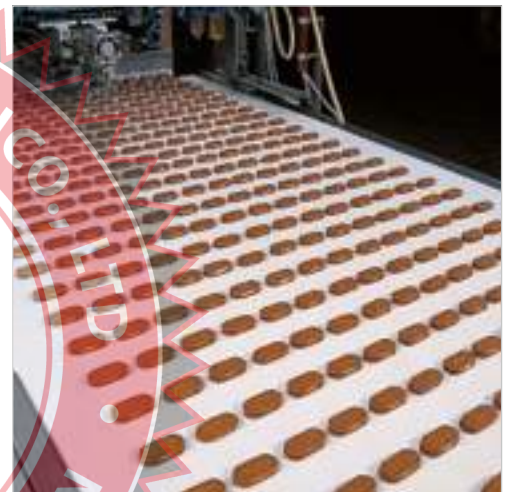
A large producer of fine pastry needed to replace a competitor's belt in a very demanding pastry application. The belt was running at surrounding temperatures of 80 °C, and was completely covered in butter, which poses big challenges for joining. An additional challenge was the use of radio frequency to prevent overbaking.

Our FNI-5EIWH-P1 has all the required properties. It is highly resistant against fat, oil and high temperatures, and its antistatic design is compatible with radio frequency, with no risk of electrical discharge. The belt features a huge number of holes to drain the butter from the pastry. There are two radio frequency lines and both are now equipped with the FNI-5EIWH-P1. Thanks to the Habasit Premium TPU, the belts perform well in this very demanding environment, delivering a lifetime of four to six months.

The fine pastry producer benefited from:

- Habasit's reliable joining system that meets the requirements of high temperatures and tight transfers
- Habasit Premium TPU that withstands even harsh environments like radio frequency, high temperatures and fat
- An increased belt lifetime of four to six months

One belt really can satisfy every need.



Customers first

Your success is our goal. That is why we don't just offer products; we provide solutions. As committed partners to our customers, we are dedicated to sharing our knowledge and providing full support.

Since our founding in 1946, Habasit has been finding ways to meet customer-specific needs in every application. This is what differentiates us as the #1 worldwide belting provider in the industry today.



Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that have led the global market for decades.



Belt selection and calculation assistance

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at selecalc.habasit.com.



Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.



Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.



Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location.



Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customers' sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.



Committed to innovation

Because our customers' belting challenges and needs are always changing, we consistently invest a substantial amount of labor and resources into the research and development of new products and solutions.

Certified for quality

We deliver the highest quality standards not only in our products and solutions, but also in our employees' daily work processes. Habasit AG is certified according to ISO 9001:2015.



Worldwide leading product range

Habasit offers the largest selection of belting, conveying, processing and complementary products in the industry. Our response to any request is nothing less than a specific, tailor-made solution.



HabaFLOW®
Fabric-based conveyor and processing belts



HabasitLINK®
Plastic modular belts



HabaDRIVE®
Power transmission belts



HabaSYNC®
Timing belts



HabaCHAIN®
Chains (slat and conveyor chains)



Machine tapes



Round belts



Seamless belts



HabiPLAST
Profiles, Guides, Wear strips



Accessories
(sprockets, flights, welding profiles, etc.)



Fabrication tools
(joining, cutting & preparing devices)

Australia

Habasit Australia Pty Ltd.
Silverwater, Sydney
Phone: +61 1300 945 455
www.habasit.com.au

Austria

Habasit GmbH, Wiener Neudorf
Phone: +43 1 690 66
www.habasit.at

Belgium & Luxembourg

Habasit Belgium N.V., Zaventem
Phone: +32 27 250 430
www.habasit.be | habasit.lu

Brazil

Habasit do Brasil, Barueri - SP
Phone: +55 11 4789 9022
www.habasit.com.br

Canada

Habasit Canada Ltd., Oakville
Phone: +1 905 827 41 31
www.habasit.ca

China

Habasit East Asia Ltd.
Fotan, Shatin, N.T., Hong Kong
Phone: +852 2145 0150
www.habasit.com.hk

Habasit (Shanghai) Co. Ltd.
Shanghai
Phone: +8621 5488 1218
www.habasit.com.cn

France

Habasit France SAS, Mulhouse
Phone: +33 3 89 33 89 03
www.habasit.fr

Germany

Habasit GmbH, Eppertshausen
Phone: +49 6071 969 0
www.habasit.de

India

Habasit India, Coimbatore
Phone: +91 422 666 78 00
www.habasit.in

Italy

Habasit Italiana SpA
Customer Care: 0438 911333
For int. calls: +39 0438 911444
www.habasit.it

Japan

Habasit Nippon Co., Ltd., Tokyo
Phone: +81 120 07 6339
www.habasit.co.jp

Korea (Republic of)

Habasit Korea Ltd., Seongnam
Phone: +82 31 737 9370
www.habasit.co.kr

Mexico

Habasit Rocua, Zapopan
Phone: +52 33 3824 2358
www.habasitrocua.mx

Netherlands

Habasit Netherlands BV, Nijkerk
Phone: +31 332 472 030
www.habasit.nl

New Zealand

Habasit New Zealand Pty Ltd.
Auckland
Phone: 0800 000 070
www.habasit.co.nz

Nordic countries

Habasit AB, Hindås, Sweden
Phone: +46 301 226 00
www.habasit.se

Poland

Habasit Polska Sp. z o.o.
Dąbrowa Górnicza
Phone: +48 32 639 02 40
www.habasit.pl

Russia

OOO Habasit Ltd.
Moscow Region
Phone: +7 495 966 1566
www.habasit.ru

Singapore

Habasit Far East Pte Ltd.
Singapore
Phone: +65 6862 5566
www.habasit.com.sg

South Africa

Habasit South Africa Pty Ltd.
Gauteng
Phone: +27 10 001 6770
www.habasit.co.za

Spain

Habasit Hispánica S.A.
Barberá del Vallés
Phone: +34 937 191 912
www.habasit.es

Switzerland

Habasit GmbH, Reinach
Phone: +41 61 577 51 00
www.habasit.ch

Taiwan

Habasit (Taiwan) Ltd.
New Taipei City
Phone: +886 2 2267 0538
www.habasit.com.tw

Turkey

Habasit Kayis San.
Ve Tic. Ltd. Sti., Istanbul
Phone: +90 444 70 43
www.habasit.com.tr

Ukraine

Habasit Ukraine LLC., Kyiv
Phone: +38 044 290 88 99
www.habasit.ua

United Kingdom & Ireland

Habasit UK Ltd., Elland
Phone: +44 333 207 6570
www.habasit.co.uk

USA

Habasit America
Suwanee, Georgia
Phone: +1 800 458 6431
www.habasitamerica.com

Habasit International AG

Römerstrasse 1
CH-4153 Reinach, Switzerland
Phone +41 61 715 15 15
Fax +41 61 715 15 55
www.habasit.com

Registered trademarks
Copyright Habasit International AG
Subject to alterations
4443BRO.CVB-en0818HQR

HNZ-08P: Belt for High-Performance Combing Preparation



The new HNZ-08P winding belt has been specially designed for the Rieter OMEGA lap combing preparation machine E 36 (and the previous version E 35) and sets the benchmark for this demanding application. The belt offers excellent reliability, high productivity, and a long lifetime.

The HNZ-08P consists of a robust polyamide traction layer and an elastomer-covered fabric on the pulley side that supports precise belt tracking and trouble-free operation.

Extensive tests on high-performance combing preparation machines have proven excellent productivity, good and homogeneous lap quality, and a long belt life. The tests were performed under challenging climatic conditions in Asia.

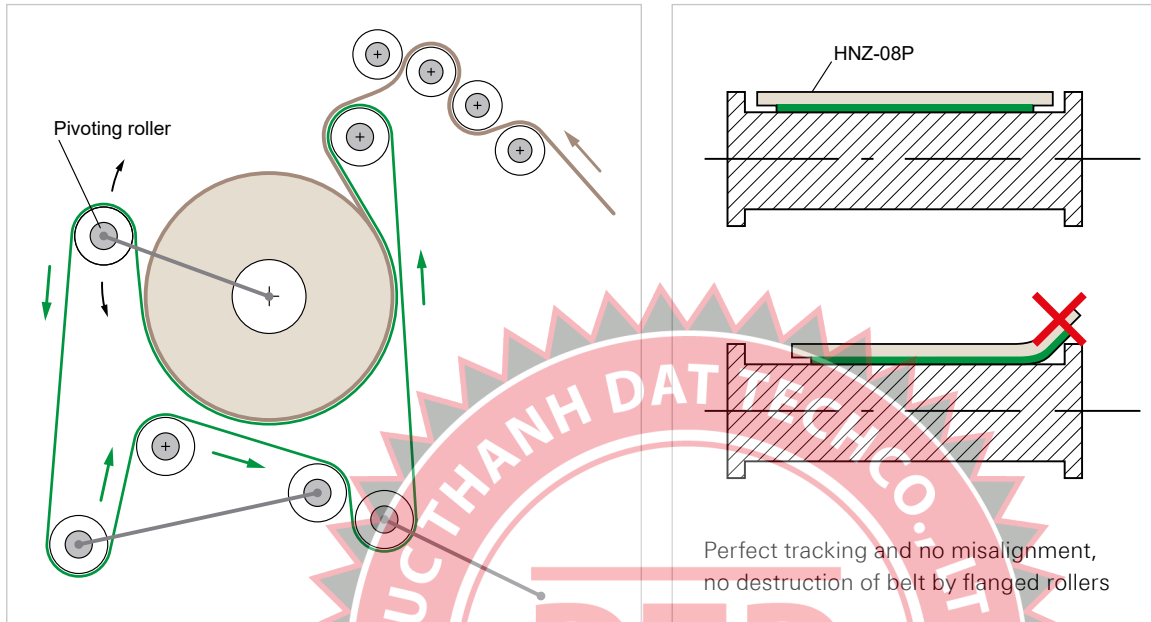
Customers benefit from:

- A reliable, robust and durable belt
- Excellent dimensional stability
- No fiber attraction thanks to a special edge treatment
- Precise tracking, no destruction of belt edges
- High performance
- Attractive lifecycle costs

HNZ-08P: Belt for High-Performance Combing Preparation

Installation

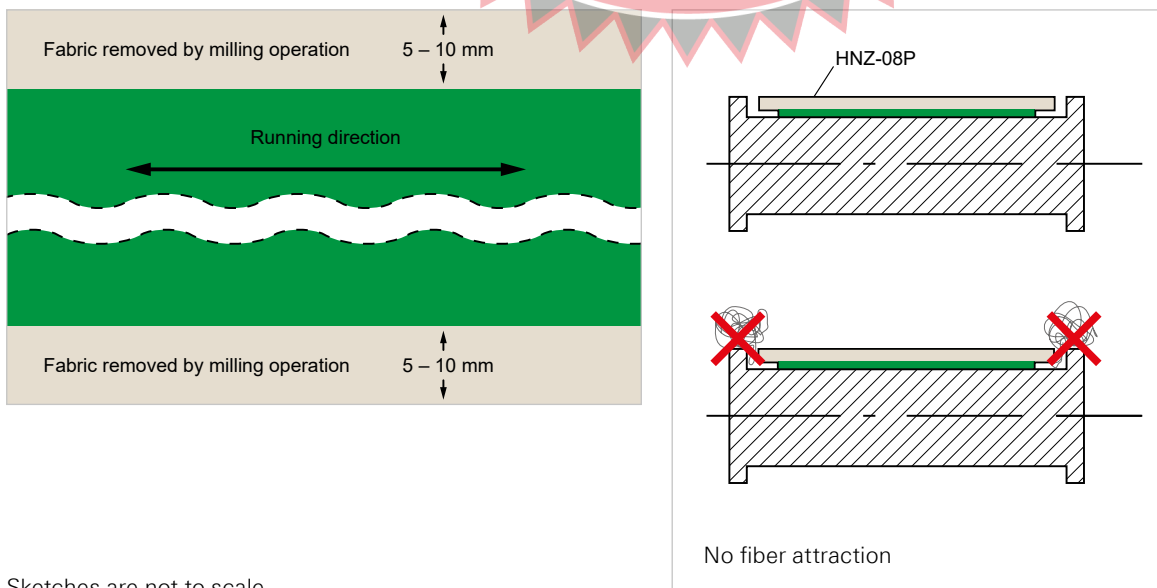
The green side features a durable elastomer cover and must be used as the pulley side in order to achieve precise tracking, optimal performance, and a long lifetime.



Some competitor belts, e.g. pure polyamide foils, are prone to fiber attraction and misalignment. This can lead to destruction of the belt edges by the flanged rollers, requiring early belt replacement in many cases.

Special edge treatment prevents fiber attraction and allows trouble-free operation

The typical overall belt width is 300 mm. The outer 5–10 mm on each side are prepared with a special edge treatment.



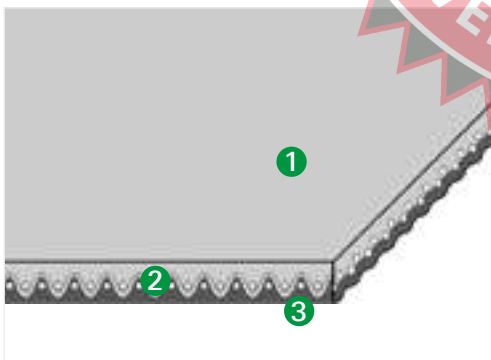
Sketches are not to scale.

Performance summary

Key features	Your benefit
<ul style="list-style-type: none"> • Robust and durable polyamide traction layer consisting of one monolithic foil • Forgiving • Excellent flex-fatigue properties 	<ul style="list-style-type: none"> • No re-tensioning required after installation with adequate initial tension • Reduced machine downtimes • Good fiber orientation and homogeneous lap quality that supports the production of high-quality yarn • High machine performance • Low operating costs
<ul style="list-style-type: none"> • Durable, abrasion-resistant, high-performance elastomer-covered fabric on the pulley side • Constant coefficient of friction • Excellent flex-fatigue properties 	<ul style="list-style-type: none"> • Reliable and consistent grip • High machine performance • Long belt service life
<ul style="list-style-type: none"> • Precise belt tracking thanks to the elastomer-covered fabric on the pulley side 	<ul style="list-style-type: none"> • No re-adjustments required • Trouble-free machine operation • High machine performance • Long belt life
<ul style="list-style-type: none"> • No fiber attraction thanks to a special edge treatment 	<ul style="list-style-type: none"> • Trouble-free operation • Less machine downtime • Higher productivity

In brief: high machine performance, excellent lap quality, a long belt life and low lifecycle costs

Cross-section



- 1 Smooth on the semi-translucent conveying side
- 2 Polyamide foil as the traction layer
- 3 Elastomer-covered fine fabric on the pulley side

Technical key data

Belt type	Belt thickness		Tensile force for 1% elongation (relaxed)		Color pulley side	Color opposite side
	mm	inch	N/mm	lbf/inch		
HNZ-08P	1.6	0.06	8	46	Green	Semi-translucent

Solutions in motion



Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that have led the global market for decades.



Belt selection and calculation assistance

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at selecalc.habasit.com.



Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.



Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.



Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location. ★



Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customers' sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/ disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

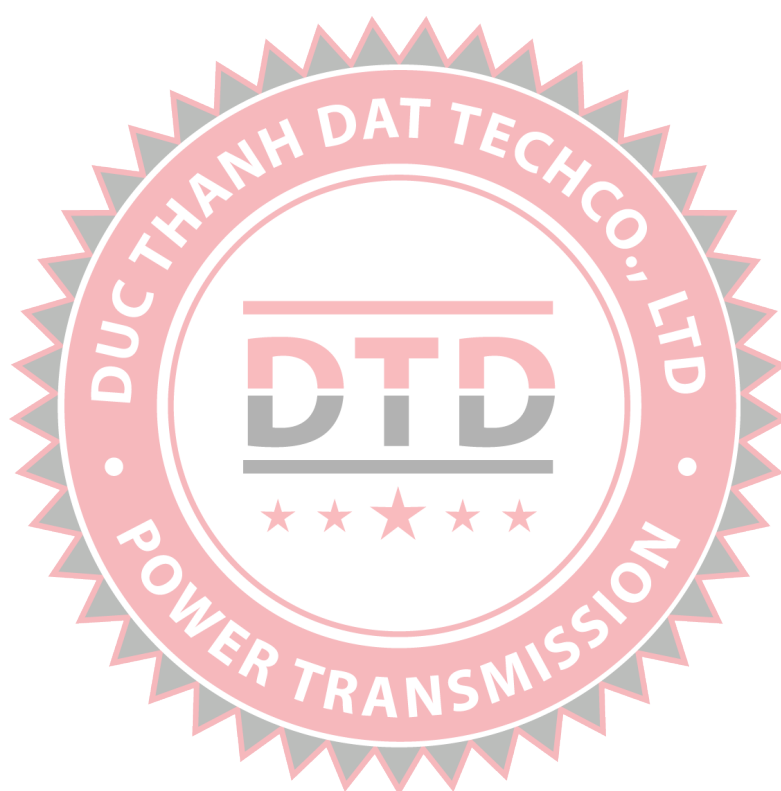
Copyright Habasit AG
Subject to alterations

4448SRF.CVB-en1118HOR

Elastomer Covered High-Duty Conveyor and Processing Belts



Strong belts for demanding applications	3
Elastomer covered belts in your industry	4
Belt selection by industry application	7
Overview of product features	8
Materials – traction layer	10
Materials – cover	11
Joining	12
Nomenclature	13
Solutions in motion	14
Contacts	16

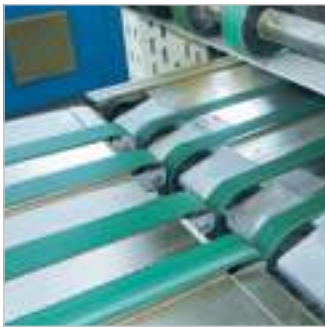


Elastomer covered high-duty conveyor and processing belts

Many industry applications require more than simply a belt that moves goods from A to B. Their demanding production processes and environmental parameters need special features to ensure stable processing and optimal belt performance.

Habasit elastomer covered high-duty conveyor and processing belts offer enhanced mechanical and thermal robustness, as well as chemical resistance, based on a large variety of cover materials, strength classes and surface structures. The belts are suitable for a wide range of applications in various industries, including materials handling, paper manufacturing, paper and board converting or packaging. The belts support efficient and economic processes, and feature high abrasion resistance, a consistent coefficient of friction, and a long belt life.





Paper manufacturing, processing and converting

High-speed processes and a sensitive, sometimes heavy product, combined with frequently changing ambient temperatures and humidity, call for outstanding belt features to ensure high quality results in paper production and converting.

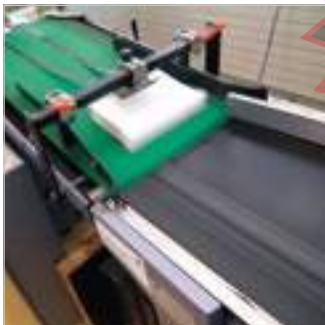
Useful belt features	Your benefits
<ul style="list-style-type: none"> • High abrasion resistance 	<ul style="list-style-type: none"> • Reliable conveying properties • No wear debris on your products • Long belt life
<ul style="list-style-type: none"> • Consistent coefficient of friction 	<ul style="list-style-type: none"> • Reliable conveying properties over time • Precise processing • No marking of printed products • High and consistent machine throughput • Long belt life – low lifecycle costs
<ul style="list-style-type: none"> • Dimensionally stable in changing ambient humidity 	<ul style="list-style-type: none"> • No retensioning required • Reduced machine downtimes

Belt examples: The HAT-5E 15 and HAT-15E are frequently installed to take advantage of their outstanding reliability.

For details and additional belt options, please refer to the industry and features tables on pages 7–9.

Paper printing and finishing

Debris from a process belt or marking and scratching can easily ruin or at least reduce the quality of your printing and finishing results. Using the right belt not only delivers first-class results, it reliably supports your processes over time.



Useful belt features	Your benefits
<ul style="list-style-type: none"> • High abrasion resistance 	<ul style="list-style-type: none"> • Reliable conveying properties • No wear debris on your products • Long belt life
<ul style="list-style-type: none"> • Consistent coefficient of friction 	<ul style="list-style-type: none"> • Reliable conveying properties over time • Precise processing • No marking of printed products • High and consistent machine throughput • Long belt life – low lifecycle costs
<ul style="list-style-type: none"> • Resilient 	<ul style="list-style-type: none"> • Forgiving in cases of short-term overloads • Copes with demanding application conditions, e.g. acceleration forces, 'stop and go' operations • No retensioning when installed with adequate tension – reduced machine downtimes

Belt examples: The abrasion resistant surface of the HAM-5P, HAT-8P and EAT-8P supports superior finishing results, without leaving marks or debris.

For details and additional belt options, please refer to the industry and features tables on pages 7–9.

Folding carton and corrugated board converting

Product surfaces in the board converting industry, such as laminated folding carton, can be sensitive to marking and debris on the belt. High abrasion resistance prevents the belt from marking your products and prolongs the belt lifetime.

Useful belt features	Your benefits
<ul style="list-style-type: none"> High abrasion resistance 	<ul style="list-style-type: none"> Reliable conveying properties No wear debris on your products Long belt life
<ul style="list-style-type: none"> Constant coefficient of friction 	<ul style="list-style-type: none"> Reliable conveying properties over time Precise processing No marking of printed products High and consistent machine throughput Long belt life – low lifecycle costs
<ul style="list-style-type: none"> High coefficient of friction surface 	<ul style="list-style-type: none"> Reliable grip even for laminated cardboard Precise processing

Belt examples: With their high abrasion resistance and constant coefficient of friction, the HAT-8P, HAT-12P, HAT-18PWPD, and HAT-24PWPD are ideal for folding carton and corrugated board processing.

For details and additional belt options, please refer to the industry and features tables on pages 7–9.



Distribution centers

In distribution centers, belts often transport a wide variety of products in terms of shape, size, weight and surfaces. At the same time, space is limited, so a high and consistent coefficient of friction not only guarantees smooth transport of all the different goods, but also reliably supports incline or decline applications.

Useful belt features	Your benefits
<ul style="list-style-type: none"> High coefficient of friction surface 	<ul style="list-style-type: none"> Supports steep inclines with angles from 30° to 45° Belt does not require cleats=> easier to clean Small footprint for installation of steep incline requires less space
<ul style="list-style-type: none"> Constant coefficient of friction 	<ul style="list-style-type: none"> Reliable conveying properties over time Precise processing of transported goods High throughput and sorting performance Long belt life – low lifecycle costs
<ul style="list-style-type: none"> Robustness 	<ul style="list-style-type: none"> Copes with rough working conditions, e.g. in parcel and tray handling

Belt examples: The structured surface of the SAG-12E and HAL-12E gives outstanding grip and makes these belts the perfect choice for inclines or declines.

For details and additional belt options, please refer to the industry and features tables on pages 7–9.





Materials handling and general conveying

Transporting goods between production stages or to and from warehousing can offer a variety of challenges. Since this is not usually part of the core process, it is often given little attention, although having a reliable and strong belt to meet all requirements is essential.

Useful belt features	Your benefits
<ul style="list-style-type: none"> • High abrasion resistance 	<ul style="list-style-type: none"> • Reliable conveying properties • Long belt life
<ul style="list-style-type: none"> • Constant coefficient of friction 	<ul style="list-style-type: none"> • Reliable conveying properties over time • Precise processing • High and consistent machine throughput • Long belt life – low lifecycle costs
<ul style="list-style-type: none"> • Robustness 	<ul style="list-style-type: none"> • Copes with rough working conditions

Belt examples: The HAG-12E and HAR-12E provide all the features needed to make them a reliable choice for many different transportation applications.

For details and additional belt options, please refer to the industry and features tables on pages 7–9.



Recycling of aluminum cans, glass and plastic bottles

Belts in reverse vending machines and other recycling processes often have to withstand liquids or oil residues. The alternating transport of different types of goods, such as glass or plastic bottles as well as cans, means that strong and durable belts are needed to ensure steady operation.

Useful belt features	Your benefits
<ul style="list-style-type: none"> • High abrasion resistance 	<ul style="list-style-type: none"> • Reliable conveying properties • Long belt life
<ul style="list-style-type: none"> • Constant coefficient of friction 	<ul style="list-style-type: none"> • Reliable conveying properties over time • Precise processing of transported goods • High throughput and sorting performance • Long belt life – low lifecycle costs
<ul style="list-style-type: none"> • Dimensionally stable in changing ambient humidity 	<ul style="list-style-type: none"> • No retensioning • Reduced machine downtimes

Belt examples: The HAB-12E copes perfectly with demanding conditions and continuous start-stop operation in reverse vending machines.

For details and additional belt options, please refer to the industry and features tables on pages 7–9.

Application / Product Range	HAT-5E 15	HAT-15E	HAM-5P	HAT-8P	EAT-8P	HAT-12P	HAT-18PWPD	HAT-24PWPD	HAB-12E	HAG-12E	HAR-12E	SAG-12E	HAL-12E
<p>This application/belt matrix does not claim to be complete and serves only as an indication of potential solutions.</p> <p>For detailed material and belt selection help, please contact your local Habasit partner or visit: www.habasit.com</p>													
Industries													
Paper manufacturing, general conveying and processing	•	•	•	•	•	•	•			•	•		
Paper printing and finishing	•												
Paper converting, tissue manufacturing	•			•	•	•			•				
Cardboard converting, feeder and processing	•	•		•	•	•				•	•		
Packaging	•	•	•	•	•	•			•	•	•		
Materials handling, distribution centers	•								•	•		•	•
General conveying	•	•	•	•	•	•	•	•	•	•	•	•	•
Industrial automation	•								•				
Automotive, steel processing				•	•	•	•	•	•	•	•		•
Wood				•	•	•	•	•		•	•		•
Electronics													
Recycling aluminum cans, glass and plastic bottles									•				
Specific applications													
Incline belt										•		•	•
Decline belt										•		•	•
Power turn belt											•		
Machine tape			•										

• Recommended belt type

Application / Product Range	Elastomer covered conveyor belt with thermoplastic belt body		Elastomer covered conveyor belt with PA or PET fabric traction layer		
	The versatile conveyor belt, processing belt, and machine tape, with excellent consistency of grip and flex-fatigue properties		The versatile, robust and forgiving conveyor belt, processing belt, and machine tape		
<p>This application/belt matrix does not claim to be complete and serves only as an indication of potential solutions.</p> <p>For detailed help with material and belt selection, please contact your local Habasit partner or visit: www.habasit.com</p>	HAT-5E 15	HAT-15E	HAM-5P	HAT-8P	EAT-8P
	Material				
Elastomer cover material on conveying side	NBR	NBR	NBR	NBR	NBR
Traction layer material	PET	PET	PA	PA	PA
Conveying side surface					
Structure	Rough textile structure	Rough textile structure	Matt	Rough textile structure	Rough textile structure
Features					
Abrasion resistant	•	•	•	•	•
Constant coefficient of friction	•	•	•	•	•
High coefficient of friction surface	★	★	•	•	•
Outstanding flex-fatigue	•	•	•	•	•
Robustness	•	•	•	•	•
Forgiving in case of short-term shock like overloads	•	•	•	•	•
Humidity variation resistant	•	•	•	•	•
Antistatically equipped	•	•	•	•	•
Static conductive	•	•	•	•	•
Adhesive-free joining	•	•	•	•	•
Oil resistant	•	•	•	•	•
Ozone resistant	•	•	•	•	•
UV resistant	•	•	•	•	•
Versatile	•	•	•	•	•
Powerturn suitable	•	•	•	•	•
Min. admissible belt temperature	0 °C / 32 °F	-30 °C / -22 °F	-20 °C / -4 °F	0 °C / 32 °F	0 °C / 32 °F
Max. admissible belt temperature	80 °C / 176 °F	100 °C / 212 °F	100 °C / 212 °F	100 °C / 212 °F	100 °C / 212 °F

Polyamide (PA) traction layer material

Advantages

- High strength
- High resilience
- High abrasion resistance
- High temperature resistance
- High resistance to solvents

Polyamides are commonly used in textiles, automobiles, carpets and sportswear due to their extreme durability and strength.

Polyester (PET) traction layer material

Advantages

- High strength
- High dimensional stability (not hygroscopic)
- Good resistance to most chemicals

In Habasit belts polyester fabrics are used as traction layer material.

Thermoplastic polyurethane (TPU)

Advantages

- High flexibility even at low temperatures
- Very good abrasion resistance
- Good resistance to fats and oils
- Odor-free (no migration of plasticizers)

In Habasit belts, TPU is often used in combination with the polyester fabric traction layer, as part of the belt body. It allows adhesive-free belt joining.

Polyurethane formulations cover an extremely wide range of stiffness, hardness, and density properties.



Nitrile butadiene rubber (NBR)

Advantages

- Works in a wide range of temperatures
- High and constant friction
- High abrasion resistance, even at increased temperatures
- No glazing
- Very good dynamic properties
- Resistant to oils and acids

Although its physical and chemical properties vary depending on the polymer's nitrile composition, this form of synthetic rubber is generally resistant to oil, fuel, and other chemicals (the more nitrile in the polymer, the higher the resistance to oils but the lower the flexibility of the material).

Nitrile rubber is more resistant than natural rubber to oils and acids.

Ethylene propylene (diene) terpolymer (EPDM)

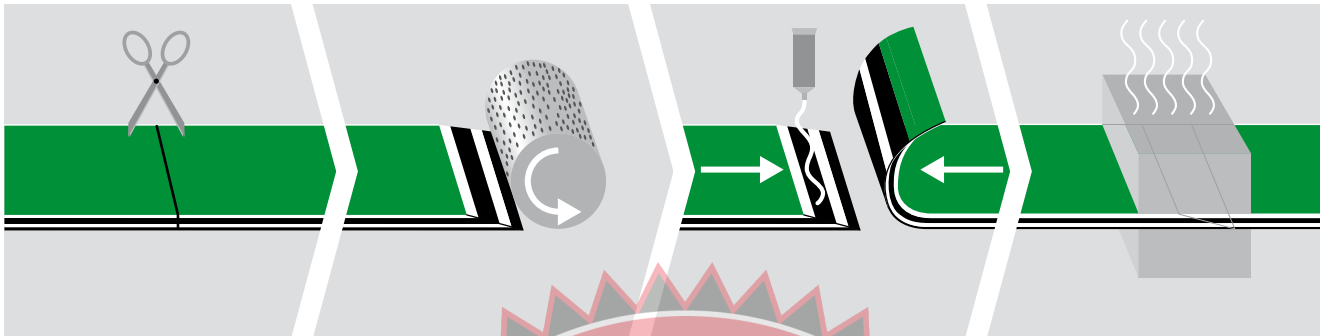
Advantages

- Outstanding heat, ozone and UV resistance
- High coefficient of friction, also at low temperatures
- No glazing
- High flexibility at low temperatures
- Suitable for outdoor applications

The main properties of EPDM are its outstanding resistance to heat, ozone and weather. It also has good resistance to polar substances and steam, and excellent electrical insulating properties.

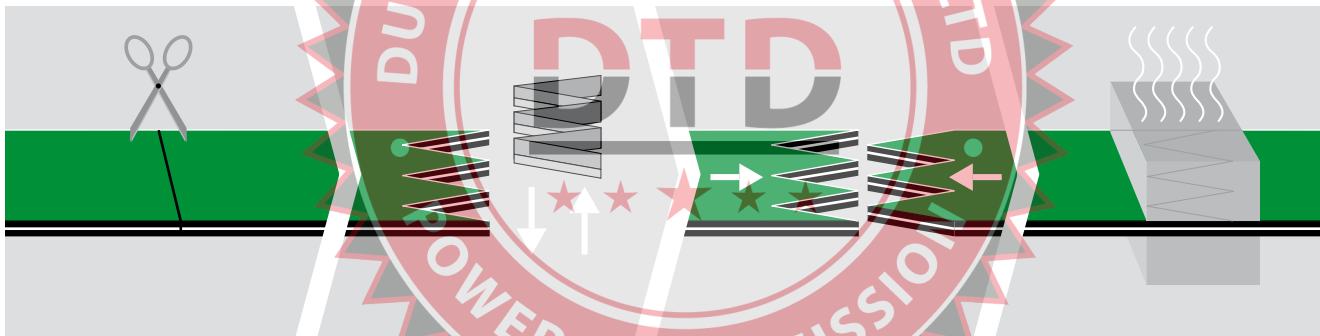
Thermofix joining with adhesives

The ends of the belt are skived to a wedge shape: one end of the belt from the top face, the second from the underside. Adhesives are applied on both skived surfaces, which are then placed over each other. The contact points are joined using heat and pressure.



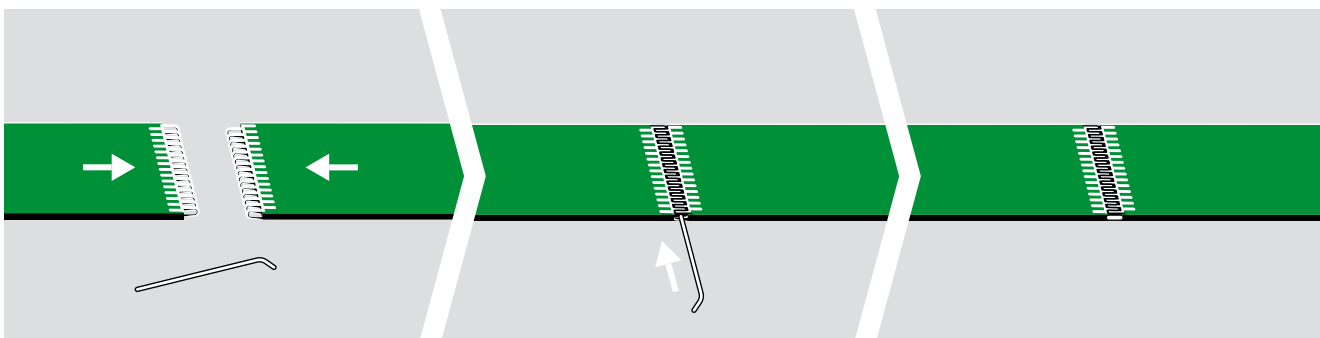
Flexproof adhesive-free joining

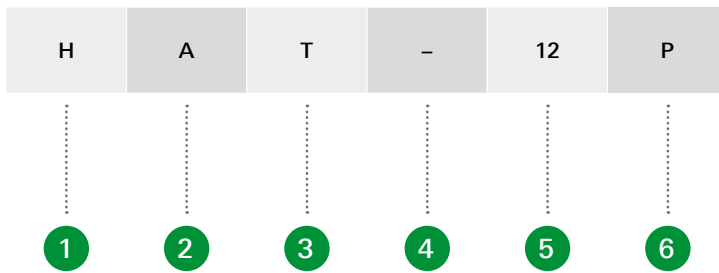
Flexproof is a fusion joint. The belt ends are cut in a finger pattern. They are then matched together in a hot pressing device, then hot pressed, which fuses (welds) the lowest-melting thermoplastic elements of the belt together.



Mechanical joint-lacing

This uses mechanical fasteners in the form of plastic spiral lacing or a wide range of metal fasteners. These are suitable for low speeds and allow quick on-site installation with a minimum of equipment.





1 Code digit – product group

H	High-duty conveyor and processing belts
---	---

2 Code digit – properties of the conveying side

A	Adhesive
M	Medium adhesive
N	None – adhesive
S	Super adhesive

3 Code digit – surface structure of the conveying side

B	Blank / smooth
G	Grip structure
M	Matt
R	Rough textile structure
T	Textile structure

4 Interruption (= reading aid)

5 Code digit – strength/class of tensile force

6 Code digit – traction layer material

E	Polyester
P	Polyamide



Customers first

Your success is our goal. That is why we don't just offer products; we provide solutions. As committed partners to our customers, we are dedicated to sharing our knowledge and providing full support.

Since our founding in 1946, Habasit has been finding ways to meet customer-specific needs in every application. This is what differentiates us as the #1 worldwide belting provider in the industry today.



Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that have led the global market for decades.



Belt selection and calculation assistance

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at selecalc.habasit.com.



Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.



Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.



Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location.



Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customers' sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.



Committed to innovation

Because our customers' belting challenges and needs are always changing, we consistently invest a substantial amount of labor and resources into the research and development of new products and solutions.

Certified for quality

We deliver the highest quality standards not only in our products and solutions, but also in our employees' daily work processes. Habasit AG is certified according to ISO 9001:2015.



Worldwide leading product range

Habasit offers the largest selection of belting, conveying, processing and complementary products in the industry. Our response to any request is nothing less than a specific, tailor-made solution.



HabaFLOW®
Fabric-based conveyor and processing belts



HabasitLINK®
Plastic modular belts



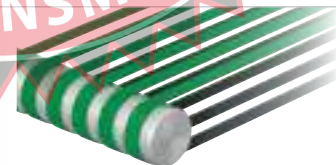
HabaDRIVE®
Power transmission belts



HabaSYNC®
Timing belts



HabaCHAIN®
Chains (slat and conveyor chains)



Machine tapes



Round belts



Seamless belts



HabiPLAST
Profiles, Guides, Wear strips



Accessories
(sprockets, flights, welding profiles, etc.)



Fabrication tools
(joining, cutting & preparing devices)

Australia

Habasit Australia Pty Ltd.
Silverwater, Sydney
Phone: +61 1300 945 455
www.habasit.com.au

Austria

Habasit GmbH, Wiener Neudorf
Phone: +43 1 690 66
www.habasit.at

Belgium & Luxembourg

Habasit Belgium N.V., Zaventem
Phone: +32 27 250 430
www.habasit.be | habasit.lu

Brazil

Habasit do Brasil, Barueri - SP
Phone: +55 11 4789 9022
www.habasit.com.br

Canada

Habasit Canada Ltd., Oakville
Phone: +1 905 827 41 31
www.habasit.ca

China

Habasit East Asia Ltd.
Fotan, Shatin, N.T., Hong Kong
Phone: +852 2145 0150
www.habasit.com.hk

Habasit (Shanghai) Co. Ltd.
Shanghai
Phone: +8621 5488 1218
www.habasit.com.cn

France

Habasit France SAS, Mulhouse
Phone: +33 3 89 33 89 03
www.habasit.fr

Germany

Habasit GmbH, Eppertshausen
Phone: +49 6071 969 0
www.habasit.de

India

Habasit India, Coimbatore
Phone: +91 422 666 78 00
www.habasit.in

Italy

Habasit Italiana SpA
Customer Care: 0438 911333
For int. calls: +39 0438 911444
www.habasit.it

Japan

Habasit Nippon Co., Ltd., Tokyo
Phone: +81 120 07 6339
www.habasit.co.jp

Korea (Republic of)

Habasit Korea Ltd., Seongnam
Phone: +82 31 737 9370
www.habasit.co.kr

Mexico

Habasit Rocua, Zapopan
Phone: +52 33 3824 2358
www.habasitrocua.mx

Netherlands

Habasit Netherlands BV, Nijkerk
Phone: +31 332 472 030
www.habasit.nl

New Zealand

Habasit New Zealand Pty Ltd.
Auckland
Phone: 0800 000 070
www.habasit.co.nz

Nordic countries

Habasit AB, Hindås, Sweden
Phone: +46 301 226 00
www.habasit.se

Poland

Habasit Polska Sp. z o.o.
Dąbrowa Górnicza
Phone: +48 32 639 02 40
www.habasit.pl

Russia

OOO Habasit Ltd.
Moscow Region
Phone: +7 495 966 1566
www.habasit.ru

Singapore

Habasit Far East Pte Ltd.
Singapore
Phone: +65 6862 5566
www.habasit.com.sg

South Africa

Habasit South Africa Pty Ltd.
Gauteng
Phone: +27 10 001 6770
www.habasit.co.za

Spain

Habasit Hispánica S.A.
Barberá del Vallés
Phone: +34 937 191 912
www.habasit.es

Switzerland

Habasit GmbH, Reinach
Phone: +41 61 577 51 00
www.habasit.ch

Taiwan

Habasit (Taiwan) Ltd.
New Taipei City
Phone: +886 2 2267 0538
www.habasit.com.tw

Turkey

Habasit Kayis San.
Ve Tic. Ltd. Sti., Istanbul
Phone: +90 444 70 43
www.habasit.com.tr

Ukraine

Habasit Ukraine LLC., Kyiv
Phone: +38 044 290 88 99
www.habasit.ua

United Kingdom & Ireland

Habasit UK Ltd., Elland
Phone: +44 333 207 6570
www.habasit.co.uk

USA

Habasit America
Suwanee, Georgia
Phone: +1 800 458 6431
www.habasitamerica.com

Habasit International AG

Römerstrasse 1
CH-4153 Reinach, Switzerland
Phone +41 61 715 15 15
Fax +41 61 715 15 55
www.habasit.com

Registered trademarks
Copyright Habasit International AG
Subject to alterations
4449BRO.CVB-en0519HQR

Habasit® Cleanline

Conveying new quality
to food production processes



Meeting the challenges

Delivering excellence

At Habasit, we share your total commitment to quality. Drawing on our decades of industry experience and innovative research and development, we provide the belting solutions and products you need to meet your most demanding conveying and application challenges. Habasit is here to help you achieve maximum operational productivity, competitiveness and profitability alongside zero compromise on food safety.

Food industry challenges

Because raw and cooked product is in direct contact with conveyor belts at many stages of the production process, equipping these applications with the most hygienic belts is essential to ensuring faultless food safety.

Alongside solving food safety issues, we know that food producers are also looking to reduce downtimes, minimize the manpower involved in belt supervision and cleaning, and lower the costs of water, energy and cleaning agents. Such savings not only increase competitiveness, they also contribute towards a more environmentally sustainable world.





The cost of poor quality

Breakdowns and unplanned maintenance lead to costly repairs, lost production time, and lower revenues. Each belt replacement or repair can take from one to four hours, with the cost of just one hour of lost production ranging from USD 10,000 to USD 100,000 - depending on the product involved and the size of the production plant.

Inferior equipment also leads to product damage and quality issues, with even more serious consequences for the food industry, including long and disruptive sanitation procedures, shorter food shelf-life, contamination risks, and potential product recalls. Furthermore, the reputational damage caused by a food-safety health threat to consumers could even endanger the survival of your business.

Customer benefits

The Habasit® Cleanline belt range has been designed to meet the most stringent demands of the food industry and comply with all relevant EU and FDA food regulations. Featuring a specially modified thermoplastic olefin (TPO) coating in white or cobalt blue, these belts offer numerous added-value benefits.





Outstanding release properties



Thanks to the belts' special coating, even very sticky food products, e.g. those containing sugars or starch, will not adhere to the belt. This means that they can be easily

transported without product loss or damage. The coating also enables a reduction in the use of processing agents such as oil or flour; easier and quicker cleaning of the belts; and potentially increased belt lifetimes. Which all adds up to significant savings on manufacturing costs, as well as environmental advantages.

Superb chemical and hydrolysis resistance



Habasit Cleanline belts withstand disinfection using chlorine and hot water (up to 80° C), and are resistant to almost all acidic and alkaline cleaning agents.

This ensures proper sanitation and has a significant positive impact on maintenance costs even in wet or humid environments.

Limited risks of cross contamination



Due to the excellent surface properties of the belts, which allow perfect release, microorganisms are easy to remove during cleaning. The surface coating is free

of micro-cracks, and has very low porosity. Additionally, all Habasit Cleanline belts have wear resistant belt edges.

High flexibility even at low temperatures



The majority of Habasit Cleanline belts are suitable for use with nosebars (radius 2 mm or 4 mm), which enable tight product transfers to the next conveyor without loss of product.

Technical specification

Conveyor belts with a thermoplastic olefin coating are used for belt surfaces requiring excellent chemical resistance and outstanding product release. The table below shows the key technical characteristics of Habasit Cleanline belts.

Product name	Thickness [mm]	Min. pulley diameter			Min. temp [°C]	Max. temp [°C]	Conveying side cover		Traction layer
		w/o counter flection [mm]	w/ counter flection [mm]	k1% (after relax) [N/mm]			Structure	Color	No of Layers
CNB-7EZCO-A1	1.4	20	25	5	-30	80	Silk finish	Cobalt blue	2
CNB-7EZWO-A1	1.4	15	25	4.6	-40	80	Silk finish	White	2
CNB-5EVWW-A1	2.3	40	50	3.2	-40	80	Matt	White	2
CNB-6EVWQ-A1	1.5	40	50	3	-40	80	Matt	White	2
CNI-6EB	0.9	15	20	4.2	-40	60	Impregnated fabric	White	2
CNW-5E-A1	1.9	30	50	3	-40	80	Waffle structure	White	2
CNW-6EB-A1	1.5	25	40	3.4	-40	80	Waffle structure	White	2
CNW-6EBC-A1	1.5	25	40	2.8	-40	80	Waffle structure	Cobalt blue	2
CAB-6EB	1.05	15	20	3.4	-40	70	Glossy	White	2
CNB-6EB-A1	1.1	15	20	3.2	-40	80	Matt	White	2
CNB-6EBC-A1	1.1	15	20	3.2	-40	80	Matt	Cobalt blue	2
CNB-5E-A1	1.4	20	40	5	-40	80	Matt	White	2
CNB-5EQ-A1	1.4	20	40	4.6	-40	80	Matt	White	2
CNB-8E-A1	2	50	70	5.5	-40	80	Matt	White	2

*Suitable for metal detector applications

Tight knited bottom fabric	Frayless	Wear-resist. edges	Pulley side				Nosebar-suitable, min. radius [mm]	Troughed	Power turns
			Material	Structure	Color	Antistatic*			
No	Yes	Yes	Polyester (PET)	Impregnated fabric	White	Yes	4	No	No
No	Yes	Yes	Polyester (PET)	Impregnated fabric	White	Yes	4	No	No
No	No	Yes	Thermoplastic olefin	Waffle structure	White	Yes	No	No	No
Yes	Yes	Yes	Thermoplastic olefin	Quadrangular structure	White	Yes	No	No	No
Yes	Yes	Yes	Polyester (PET)	Impregnated fabric	White	Yes	2	Yes	Yes
No	No	Yes	Polyester (PET)	Impregnated fabric	White	Yes	No	No	No
Yes	Yes	Yes	Polyester (PET)	Impregnated fabric	White	Yes	2	Yes	Yes
Yes	Yes	Yes	Polyester (PET)	Impregnated fabric	White	Yes	2	Yes	Yes
Yes	Yes	Yes	Polyester (PET)	Impregnated fabric	White	Yes	2	Yes	Yes
Yes	Yes	Yes	Polyester (PET)	Impregnated fabric	White	Yes	2	Yes	Yes
Yes	Yes	Yes	Polyester (PET)	Impregnated fabric	White	Yes	2	Yes	Yes
No	No	Yes	Polyester (PET)	Impregnated fabric	White	Yes	No	No	No
No	No	Yes	Polyester (PET)	Impregnated fabric	White	No	No	No	No
No	No	Yes	Polyester (PET)	Impregnated fabric	White	Yes	No	No	No

Accessories & fabrication

Habasit Cleanline range is the solid
and reliable solution for every conveyor
or processing line.

Habasit offers a full range of complementary products to ensure the best possible solution for your application needs.



TPU scraper bar

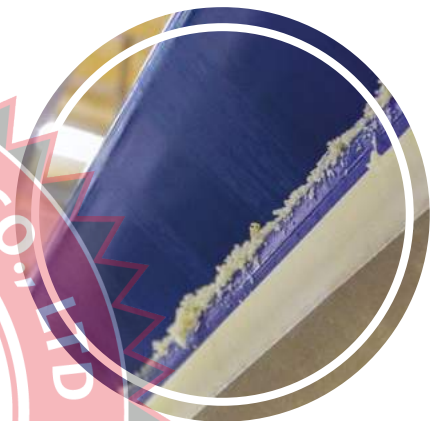
Belt scrapers are an essential component on the production line in many sectors, but particularly in the food processing industry. Scrapers are used to remove sticky parts of the transported goods from the belt. This prevents spillage and material accumulation on the return rollers, which could potentially lead to bacterial growth and food contamination. While belt scrapers must be efficient, they must also avoid scratching or damaging the belt surface, which can decrease belt lifetime. If belt cleaning is not properly performed, material leaks at transfer points can accumulate extra material on the roller drums, causing tracking problems and belt edge damage.



Key advantages of using the Habasit TPU scraper bar

While classic belt scrapers are usually completely inflexible, the Habasit TPU scraper bar has the advantage of a flexible tip, which translates to three key advantages:

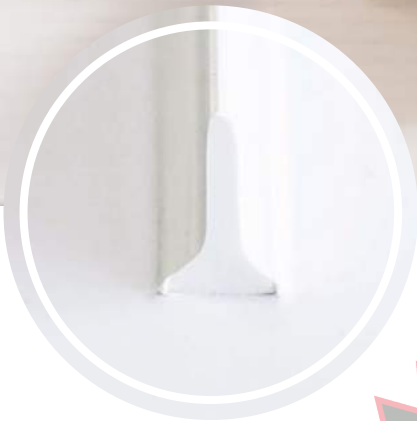
- **No risk of damaging the belt surface** due to the reduced pressure applied between the scraping bar and the belt.
- **More efficient cleaning** since the TPU scraping tip follows the belt surface at all times. The flexible tip also offers an advantage over metal or hard plastic scrapers mounted on a flexible rig, as rigid material on a tip lets belt irregularities push the scraping bar away from the roller, resulting in uneven cleaning.
- **Easier cleaning** as liquids like oil, water and detergents are better dealt with by a flexible TPU scraper bar that maintains continuous contact with the belt surface.



Due to their TPU polyether or polyester tip construction, Habasit TPU scraper bars cannot damage the belt cover, unlike hard plastic or metal scrapers. This translates into lower maintenance costs and reduced downtime. It also means less risk of material deposits and bacterial formation, as grooves are not created on the belt surface. Habasit TPU scraper bars are food-contact compliant and fulfill both EU and FDA requirements. They are also available in X-ray and metal-detectable versions for additional hygiene and food safety procedures.

The combination of a TPU scraper bar with a Habasit Cleanline belt supports fast and efficient cleaning that ensures the highest level of hygiene and food safety.





TPO Cleats

Habasit Cleanline belts are now available fabricated with T-shaped TPO cleats and quadrangular-shaped profiles. The T-shaped TPO cleats are made of an exclusively produced material, and are perfectly bonded to the belt surface using a specially developed welding process.

TPO cleats offer the stiffness required to convey goods on steep inclines, with good product release and food contact compliance in line with the proven Habasit Cleanline range.

Four different heights of TPO cleats are available: 20, 30, 40 and 50 mm, to cover the majority of cleated light food belt applications. They are ideal for incline/ decline applications or for handling small and sticky bulk goods.

The quadrangular-shaped profiles can be used as cleats on Habasit Cleanline conveyor belts. In addition to their use in incline/decline applications where improved grip is needed, or for chevron configurations, they can also be placed longitudinally as a side barrier. The profiles are applied to the belt surface using a hot air welding process.





V-Guiding profiles

V-guiding profiles can be used on the bottom side of Habasit Cleanline belts to limit tracking problems or for product separation. As every Habasit belting solution is different, the use of V-guiding profiles will be carefully evaluated by your Habasit engineer in order to offer the best possible solution.

TPO edge sealing profiles

Edge sealing profiles are used to seal belt edges to prevent oil, fat, water and other substances from penetrating the belt, and to avoid fraying. The profiles are applied using a special fabrication process.

Belt edge sealing is particularly important in the food industry, where hygiene is a basic requirement.



CNB-6EBC-A1

drastically cuts scrap

Over USD 20,000 in monthly savings

Customer background

A major cranberry processor in the USA.

Application

Transport of sweet and sticky cranberries on a 20 degree incline conveyor to the packaging section.

Challenge

The build-up of sticky dehydrated cranberries clinging to the joints between previously installed belt modules was leading to accumulation. There were also high amounts of scrap when the product was transported around the end of the conveyor and dropped onto the floor or into scrap bins. Thousands of kilos of product were being lost weekly, adding to the labor costs of cleaning the machinery and removing the waste.

To solve the costly scrap problem, the food processor required a food-approved belt with high release characteristics, a smooth surface structure, and suitability for inclined conveying of a sticky food product.

Habasit's solution

Habasit satisfied this requirement by retrofitting the modular belt with the CNB-6EBC-A1 fabric belt, which features a modified TPO coating that boosts release properties. The uniform high-release surface of the CNB-6EBC-A1 also meant there was nowhere for product to become trapped and cling to the surface.



Benefits

Once installed, the CNB-6EBC-A1 eliminated the sticky build-up and ensured successful transfer of the product to the packaging process. As a result, the customer virtually eliminated product waste between processing and packaging, increased throughput, cleared floorspace of containers full of waste product, eliminated safety hazards due to slippery product dropping onto the floor, and made more effective use of employees tasked with waste removal and cleaning activities.

Overall, by retrofitting to Habasit's high-release Cleanline fabric belt, the food processor enjoyed substantial monthly savings:

- USD 20,280 each month in redeemed product
- USD 3,500 in belt replacement savings
- Significantly reduced labor and material costs



To read more success stories visit the Habasit website: www.habasit.com

CNB-6EB-A1

ends mistracking and costly cleaning

Over 600 less hours of sanitation

Customer background

A North American snack food producer.

Application

Transfer of granola and protein bars.

Challenge

The previously installed 1-ply fabric belt used in the production of granola and protein bars was experiencing problems including mistracking and crease lines after sanitation, yellowing, and poor release characteristics. During system audits, the noticeably worn and yellowed belts were failing inspections, leading to regular replacements.

To improve belt lifetime, the snack food producer required a food-approved fabric belt suitable for tight nosebars, which also offered better lateral strength and release characteristics than the existing competitor's belt.

Habasit's solution

Habasit satisfied this requirement with the Cleanline CNB-6EB-A1, a white 2-ply belt that resists fold marks, maintains tracking, withstands yellowing, and promotes release through a specially modified thermoplastic olefin coating.





Benefits

Once installed, the CNB-6EB-A1 lasted twice as long as the previous belt, with no mistracking, yellowing, or lengthy sanitation procedures to remove sticky product. The added lateral strength and proprietary coating proved effective in enhancing performance and extending belt lifetime.

Overall, the snack food producer experienced substantial annual savings:

- USD 12,000 in reduced maintenance for replacements
- USD 36,000 in lower salaries due to 600 fewer hours of sanitation
- Added value through competitive pricing for replacement belts



To read more success stories visit the Habasit website: www.habasit.com

Our services



Our commitment to our customers' success is what drives our continuous innovation and product and service improvements.

We combine engineering expertise with dedication to reliability, to create lasting value for our customers.

Global leadership, local service

Habasit is your local partner with global reach. With 30 affiliated companies, each with its own inventory, fabrication, assembly, and service facilities, plus our worldwide network of partners, we react quickly and expertly to meet your most complex installation challenges.



Comprehensive technical support

from belt selection to design assistance
Extensive knowledge of our customers' processes lets us guide you from application analysis to selecting the optimal solution. We offer online calculation and belt selection tools, as well as on-site engineering assistance and equipment design, to make sure you get the best solution.



Process optimization and everyday efficiency

Innovation comes from understanding our customers' daily challenges. Habasit is more than a belting company. Our experts can provide belt condition monitoring, regular inspections, analysis, and surveys at your sites, to keep your lines running smoothly and fully optimize your equipment and production processes.

Sharing knowledge and making business easy

Habasit offers training programs and support tools to ensure optimal use of our products, with training on fabrication, installation, assembly, maintenance and belt repair either at a Habasit site or your own location. Orders, shipping and tracking can be managed via our Customer Care team, or directly online.



Committed to innovation beyond the obvious

Because our customers' challenges and needs are always changing, we are constantly investing in the research and development of new products and solutions not only for today, but also for tomorrow.

Habasit is a member of EHEDG

Our dedicated belting solutions aim to support the highest standards of hygienic equipment design.



Contact us

Habasit has subsidiaries, affiliated companies, representatives and service partners all around the world, dedicated to supporting you whenever and wherever you need us.



Australia

Habasisit Australia Pty Ltd.
Silverwater, Sydney
☎ +61 1300 945 455
🌐 habasisit.com.au

Austria

Habasisit GmbH, Wiener Neudorf
☎ +43 1 690 66
🌐 habasisit.at

Belgium & Luxembourg

Habasisit Belgium N.V., Zaventem
☎ +32 27 250 430
🌐 habasisit.be | habasisit.lu

Brazil

Habasisit do Brasil, Barueri - SP
☎ +55 11 4789 9022
🌐 habasisit.com.br

Canada

Habasisit Canada Ltd., Oakville
☎ +1 905 827 41 31
🌐 habasisit.ca

China

Habasisit East Asia Ltd.
Fotan, Shatin, N.T., Hong Kong
☎ +852 2145 0150
🌐 habasisit.com.hk

Habasisit (Shanghai) Co. Ltd.
Shanghai

☎ +8621 5488 1218
🌐 habasisit.com.cn

France

Habasisit France S.A.S., Mulhouse
☎ +33 3 89 33 89 03
🌐 habasisit.fr

Germany

Habasisit GmbH, Eppertshausen
☎ +49 6071 969 0
🌐 habasisit.de

India

Habasisit India, Coimbatore
☎ +91 422 666 78 00
🌐 habasisit.in

Italy

Habasisit Italiana SpA
☎ Customer Care: 0438 911333
☎ For int. calls: +39 0438 911444
🌐 habasisit.it

Japan

Habasisit Nippon Co., Ltd, Tokyo
☎ +81 120 07 6339
🌐 habasisit.co.jp

Korea (Republic of)

Habasisit Korea Ltd.,
Seongnam City
☎ +82 31 737 9370
🌐 www.habasisit.co.kr

Mexico

Habasisit Rocua, Zapopan
☎ +52 33 3824 2358
🌐 habasisitrocuamx

Netherlands

Habasisit Netherlands BV, Nijkerk
☎ +31 332 472 030
🌐 habasisit.nl

New Zealand

Habasisit New Zealand Pty Ltd.
Auckland
☎ 0800 000 070
🌐 habasisit.co.nz

Nordic countries

Habasisit AB, Hindås, Sweden
☎ +46 301 226 00
🌐 habasisit.se

Poland

Habasisit Polska Sp. z o.o.
Dąbrowa Górnicza
☎ +48 32 639 02 40
🌐 habasisit.pl

Romania

Habasisit Belting SRL
Timisoara
☎ +40 256 704 500
🌐 habasisit.ro

Russia

OOO Habasisit Ltd.
Moscow Region
☎ +7 495 966 1566
🌐 habasisit.ru

Singapore

Habasisit Far East Pte Ltd.
Singapore
☎ +65 6862 5566
🌐 habasisit.com.sg

South Africa

Habasisit South Africa Pty Ltd.
Gauteng
☎ +27 10 001 6770
🌐 habasisit.co.za

Spain

Habasisit Hispánica S.A.
Barberá del Vallés
☎ +34 937 191 912
🌐 habasisit.es

Switzerland

Habasisit GmbH, Reinach
☎ +41 61 577 51 00
🌐 habasisit.ch

Taiwan

Habasisit (Taiwan) Ltd.
New Taipei City
☎ +886 2 2267 0538
🌐 habasisit.com.tw

Turkey

Habasisit Kayis San.
Ve Tic. Ltd. Sti., Istanbul
☎ +90 444 70 43
🌐 habasisit.com.tr

Ukraine

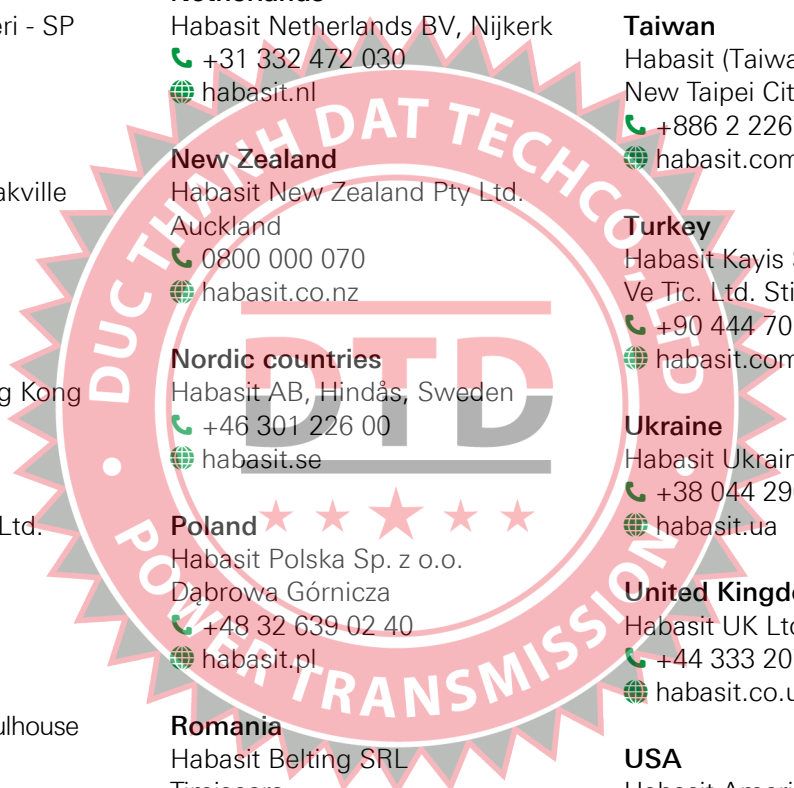
Habasisit Ukraine LLC., Kyiv
☎ +38 044 290 88 99
🌐 habasisit.ua

United Kingdom & Ireland

Habasisit UK Ltd., Elland
☎ +44 333 207 6570
🌐 habasisit.co.uk

USA

Habasisit America
Suwanee, Georgia
☎ +1 800 458 6431
🌐 habasisitamerica.com



Habasit International AG

Römerstrasse 1
CH-4153 Reinach, Switzerland

+41 61 715 15 15

+41 61 715 15 55

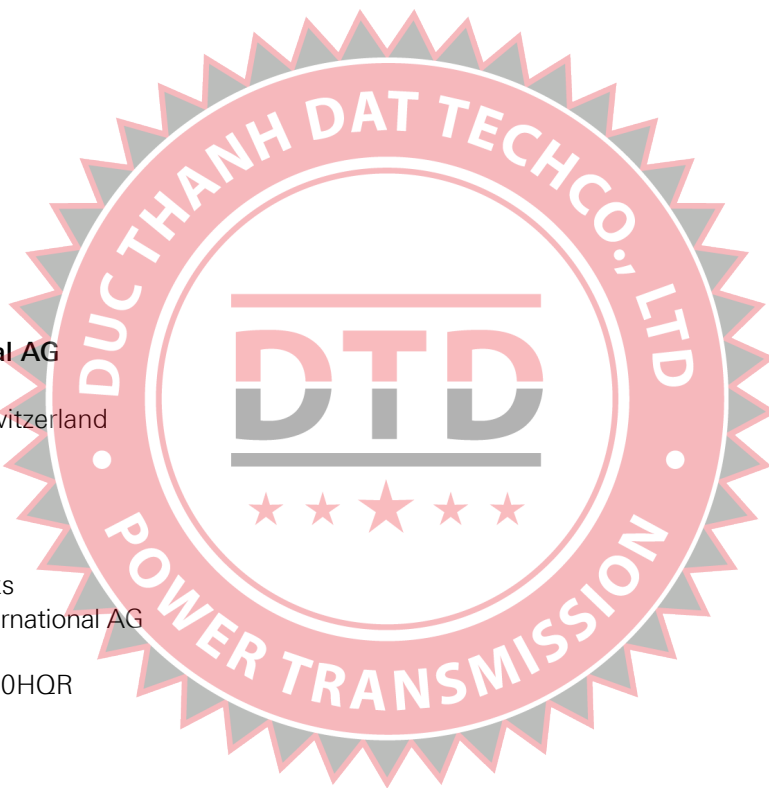
habasit.com

Registered trademarks

Copyright Habasit International AG

Subject to alterations

4481BRO.CVB-en0320HQR



Information provided herein does not constitute legal representations or warranties and may change without notice.

Please refer to the specifications/disclaimers provided in the respective product data sheets.

Pre-heater Spiral Belt

ENR-15EGW



The ENR-15EGW is specifically designed to meet the requirements of a pre-heater spiral, top belt in processing lines for OSB, particle boards, or MDF wood panels. Increasing the temperature of the wood-resin mixture before it reaches the press enables faster curing and increased speed of the production line, which in turn results in increased productivity of 15% to 30%.



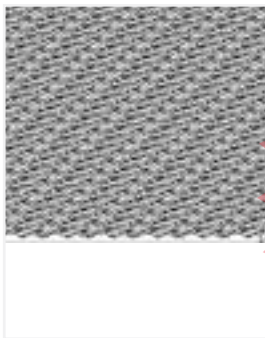
Habasit's ENR-15EGW is the ideal processing belt for this application, offering:

- Constant airflow over the joint thanks to its endless woven structure and single-loop seam joint
- No shrinking effect in the hot environment due to the additional heat-treatment process
- No wood fiber clogging issues – which allows reliable air permeability
- Long lifetime due to its robust and durable belt design offering high abrasion and hydrolysis resistance
- Fast installation of the single-loop joint without dismantling the whole prepress, which limits downtimes and yield losses for end users

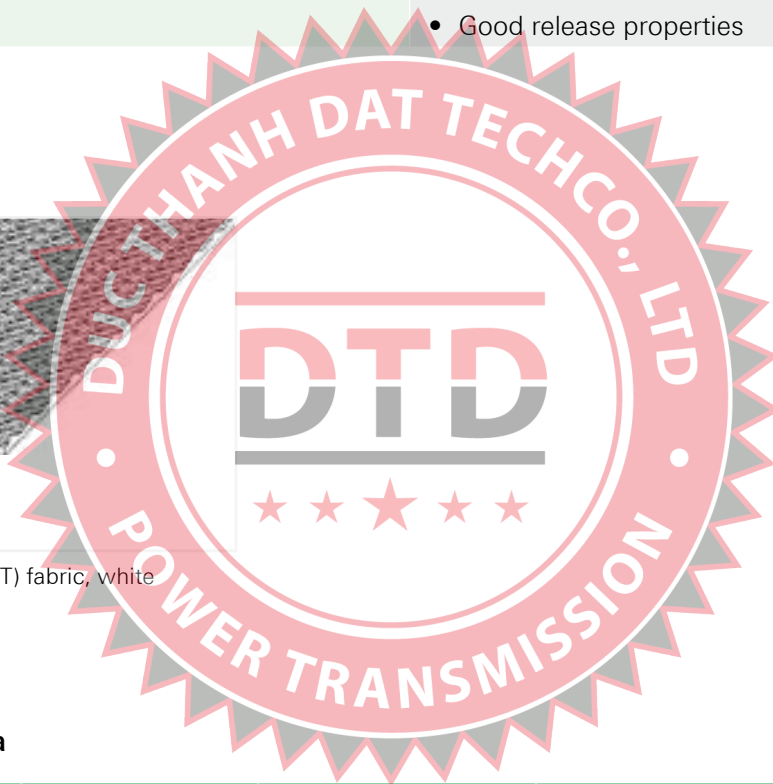
Pre-heater Spiral Belt ENR-15EGW

Key features	Your benefits
<ul style="list-style-type: none"> • High temperature stability 	<ul style="list-style-type: none"> • High operating temperatures: 130 °C continuous, 150 °C short-term peak temperature • Fast curing and increased productivity
<ul style="list-style-type: none"> • Hydrolysis resistance • Single-loop seam joining 	<ul style="list-style-type: none"> • Suitable for steam treatment • Fast installation • Constant airflow over the complete belt length
<ul style="list-style-type: none"> • No clogging of wood fibers 	<ul style="list-style-type: none"> • Long lifetime • Constant airflow throughout belt life
<ul style="list-style-type: none"> • Anti-static properties 	<ul style="list-style-type: none"> • Safe running of the production line • Good release properties

Cross-section



Spiral belt: Polyester (PET) fabric, white



Technical key data

Thickness		Mass		Tensile force k1%		Tensile force k1% relaxed		Max. operating temperature	
mm	inch	kg/m2	lb/sqft	N/mm	lbf/in	N/mm	lbf/in	°C	°F
2.4	0.09	1.1	0.225	19	108	16	91	130	266

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

4485SRF.VPR-en0320HQR

Selection and Handling of Habasit Rotary Molder Belts



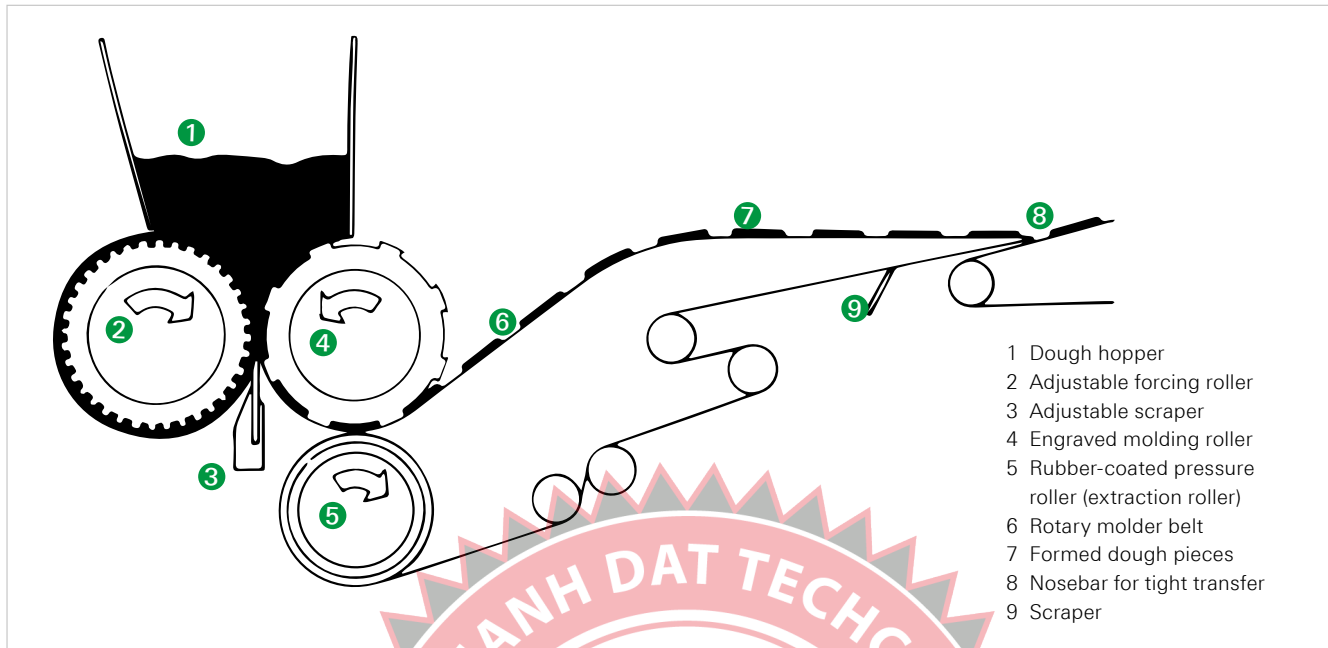
Rotary molding is a key process in shaping biscuits. Engraved rollers are used to shape biscuits from dough. The rotary molder belt (also called the extraction web) extracts the raw biscuits from this roller, supported by the forces of the pressure roller driving the belt.

Tight transfer to the next processing belt ensures biscuit shape integrity.

A seamless belt is preferred over products with a joint in order to achieve uniform suction (a.k.a. 'extraction'). The uniform belt thickness leads to continuous biscuit molding quality.

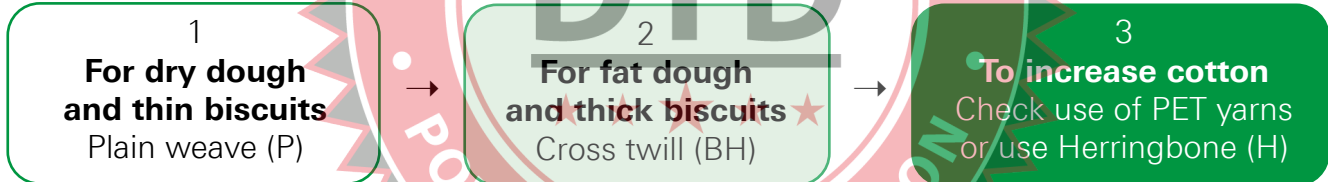
Seamless belts with a "real" woven edge = selvage design are superior to belts with cut edges due to higher belt stability and less edge fraying.

Rotary molder selection guide

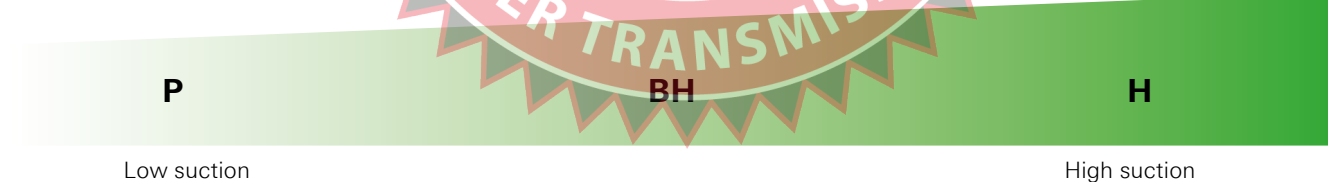


Belt selection advice

If the belt design in use is unknown:



Extraction behavior:



If the belt design is known, check any shortcomings:

- Insufficient suction → select a different fabric design or contact our Technical Support for help
- Insufficient release → select a different fabric design or contact our Technical Support for help
- Short lifetime due to stress from nosebar → use a thinner, more flexible weave
- Belt elongation → use a thicker belt (if the nosebar allows) or replace linen by polyester for more stability
- Edge wear → review tracking in line; polyamide-reinforced edges are possible, but reduce the area of use and do not add real edge protection

Rotary molder installation guide

Belt pre-treatment

Rotary molder belts frequently need pre-treatment to make suction work properly. Common approaches by customers:

- Use of dough = put dough on the belt during start-up
- Use of fat/slurry = typically fats used in dough, or a combination of fats, or a dough/water slurry
- Use of water = uncommon, as dough running on rotary molder lines is usually quite fatty

Habasit belts work well with any of these pre-treatments. They depend on customer-specific dough and line habits.

Belt start-up

When running-in rotary molder belts, several parameters need to be monitored:

- **Tensioning**
Provide proper tensioning to ensure good tracking. Over-tensioning risks elongating the belt. Typically 0.3% – 0.5% pretension is fine. During the running-in period (up to a few weeks after start-up) rotary molder belts tend to elongate due to their high natural fiber content. Make sure when dimensioning the belt that enough take-up is available.
The pressure roller pushing the belt against the molding roller has a strong influence on belt tension. This pressure impacts the suction capacity of the belt as well as the biscuit shape and weight.
- **Scraper position and pressure**
Scrapers are installed after biscuit transfer in belt return. Over-pressure will abrade the belt, while too light a pressure leaves too much dough residue and so limits biscuit suction.
- **Speed and roller alignment to avoid tailing**
The belt speed needs to be properly aligned to the rotation of the engraved roller and pressure roller. Speed differences can lead to belt abrasion and – even worse – impact dough suction and release, thereby leading to misshaped biscuits (a.k.a. tailing).
- **Monitoring of suction and release**
This needs to be done by the user during running-in until a satisfactory result is achieved (belt shape, release, suction). All the above parameters contribute here and need to be adjusted gradually.

Belt maintenance

To ensure good belt performance over the belt lifetime, we recommend setting up proper processes as follows:

- **Relax the belt after stopping the line**
It is important to slacken the rotary molder belt after use, including for shift interruptions. This reduces the risk of elongation.
- **Choose the right cleaning option to prevent shrinkage**
Most ongoing cleaning is done by the installed scraper, so belt function is not impacted by moisture or cleaning agents.

In cases such as belt changes for different doughs, dry cleaning is preferred. If wet cleaning must be done, proper drying under tension is recommended (or the belt might shrink).

Do not use any chemicals!

After taking belts out of use, pre-treatment is recommended at restart. If a belt is fully cleaned and stored, pre-moistening helps to prevent yarn breakage.

- **Prevent edge fray**
It is essential to check belt tracking and the conveyor design to ensure a long lifetime for belt edges. Running properly square also supports belt design stability and thus a longer service life than if the belt is allowed to run off and become misshapen.
- **Store spare belts with care**
Store spare belts in their original packaging. Protect from sunlight and sharp objects to avoid any harm.

Keep in a cool, dry place
(not below $-10\text{ }^{\circ}\text{C}$ / $14\text{ }^{\circ}\text{F}$ or above $+25\text{ }^{\circ}\text{C}$ / $77\text{ }^{\circ}\text{F}$, with relative humidity between 40% and 65%).
Storage should not exceed two years.

Troubleshooting

Helpful hints in case of belting issues

Issue with	What to do
Suction (extraction , tailing, weight accuracy)	<ul style="list-style-type: none">• Check and adjust force of pressure roller• Check belt surface (completely covered = replacement needed)• Check belt tension• Check rubber surface of pressure roller• Adjust force of pressure roller• Adjust belt speed against rollers• Check cavity accuracy• Adjust pressure of forcing roller• Adjust scraper• Review belt selection
Wear	<ul style="list-style-type: none">• Check relative speed of rollers and belt• Check scraper positioning• Check pressure roller (rubber, pressure)• Check surface of brass molding drum
Tracking (Real endless belts generally track well)	<ul style="list-style-type: none">• Check parallelism of equipment• Check cleanliness of rollers• Avoid profiles, use automated correction
General advice	<ul style="list-style-type: none">• Release tension after use, allowing relaxation of the belt• After long standstill, re-moisten the belt (to avoid yarn breaks)• Wet cleaning of dough-saturated belt is possible in order to extend belt lifetime – but only for a short while

Note




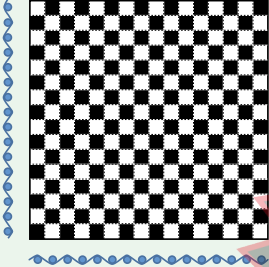
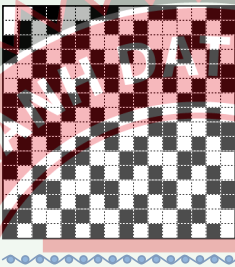
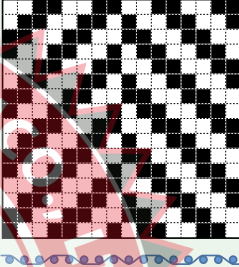
Rotary molder belts are woven to given dimensions. After weaving, relaxation leads to slightly wider belts, which can easily be tensioned out during installation.
Important: Order the belt in the required installed length and width!

Rotary molder selection guide

Product design overview and benefits

Common weave patterns

Seamless belts used in rotary molding are offered in three common weave patterns:

Plain weave (P)	Cross twill weave (BH)	Herringbone weave (H)
		
The versatile solution for most biscuits – commonly used	An enlarged surface to handle larger biscuits, or dough with a higher fat or moisture content	The ultimate solution for most short and heavy doughs with demanding extraction needs
		

Materials used

Natural fibers such as cotton are the standard materials used due to their excellent extraction behavior, based on the absorption of fat and moisture from the biscuit dough.

To improve service life, Habasit rotary molder belts are made not only using cotton, but also with polyamide and linen fibers to add wear resistance and lateral stability, and to improve the suction and release properties of cotton.

Solutions in motion



Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that have led the global market for decades.



Belt selection and calculation assistance

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at selecalc.habasit.com.



Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.



Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.



Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location. ★



Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customers' sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

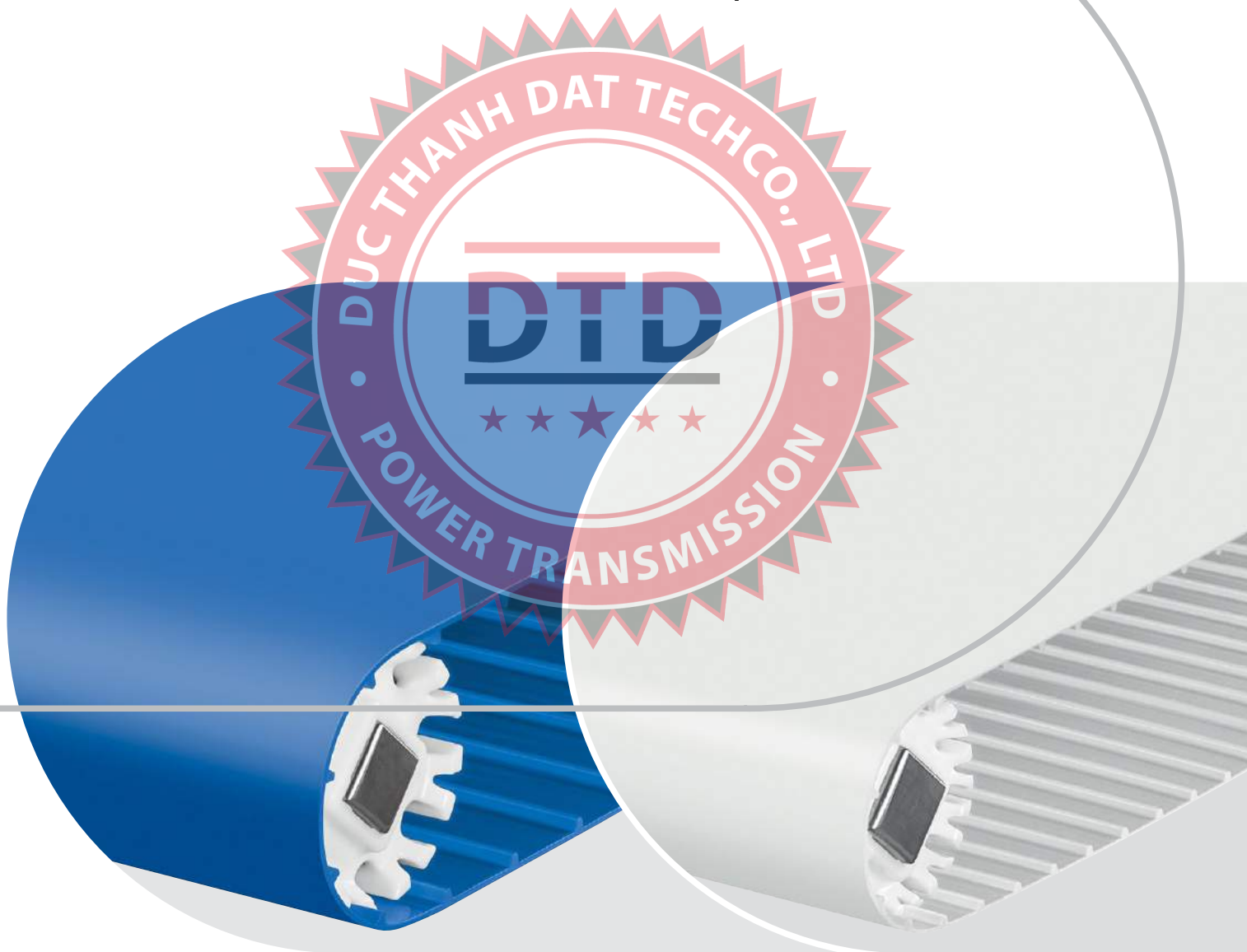
CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

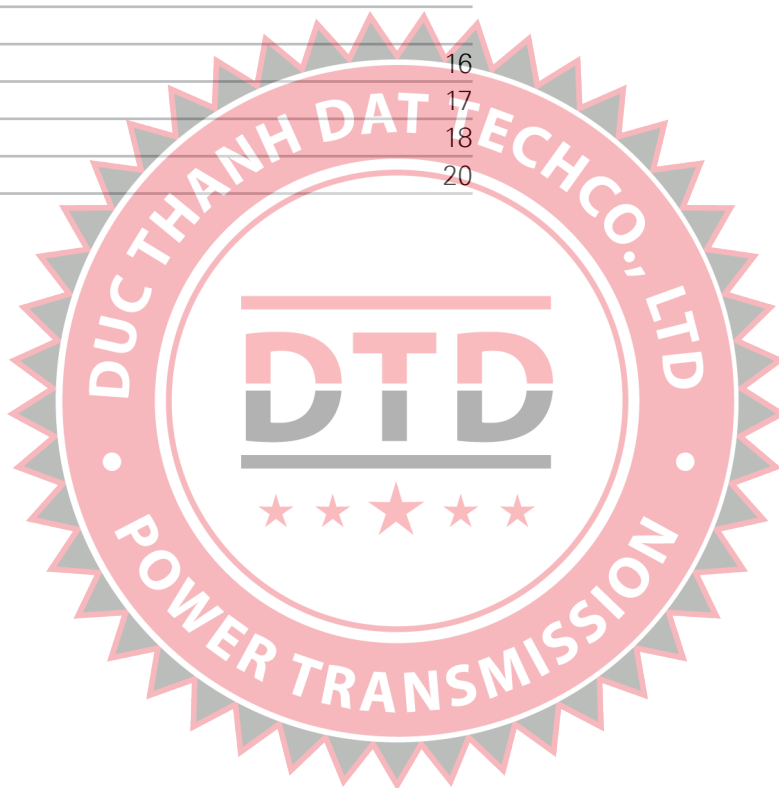
6055FLY.HRM-en0819HQR

Habasit Cleandrive™

Aramid reinforced
monolithic TPU conveyor belts



Introduction	3
Safe hygienic performance	4
Habasit Cleandrive™ friction drive	5
Habasit Cleandrive™ positive drive	6
Custom fabrication	8
Belt accessories	
Profiles / Cleats	10
Tracking guides	11
Sidewalls	12
HabiPLAST™ guides and wear strips	13
Sprockets	14
Lacing and joining	15
Hot-pressing devices	
Details	16
Control units	17
Solutions in motion	18
Contacts	20



Habasit Cleandrive™ is a range of extruded, homogeneous conveyor belts manufactured in a width up to 1.8 m.

Habasit Cleandrive™ aramid reinforced monolithic TPU conveyor belts have been developed to contribute to safe and hygienic processing of food.

Supporting a wide range of applications, Habasit Cleandrive™ belts are manufactured in two versions:

- Sprocket driven positive drive
- Pulley driven friction drive

The monolithic belt design produced by our dedicated manufacturing technology meets food customers' most stringent hygiene requirements, while also delivering exceptional performance and cost efficiency.



Premium TPU belt material for food safety

Habasit Cleandrive™ belts are manufactured using premium TPU, which features superior durability and hydrolysis resistance, and is inherently resistant to microbiological attack. The belt is designed to withstand the most aggressive cleaning protocols and chemical agents. They are able to operate in a wide temperature spectrum: from low-temperature freezer in-feeds to high-temperature fryer out-feeds.

Food safety

Habasit Cleandrive™ meets the currently relevant EU and US regulations applicable to conveyor belts in direct food contact and are certified by the Japan Food Research Laboratories (JFRL). For details, please contact your Habasit representative, or check our website for information on compliance with the respective food certificates (DoC – Document of Compliance)

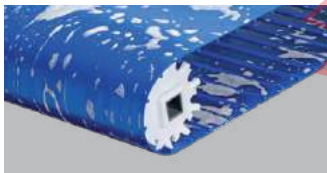
USDA Meat & Poultry and USDA Dairy approvals are available on some belt versions; please contact your Habasit representative.

Monolithic belt design for hygiene

The fully extruded monolithic belt design of Habasit Cleandrive™ belts is completely free of fabric members that could fray during use and pose a food safety risk. The solid yet flexible belt design is also free of the cavities, joining rods and crevices normally found in hinged belts, making Habasit Cleandrive™ belts very easy to clean.

Aramid reinforced belt design for performance

Habasit Cleandrive™ is designed with aramid tensile members for continuous dimensional stability. This extends the belt service life through reliable sprocket engagement and non-slip pulley action, which reduce belt wear, maintenance and downtime. The cords are fully embedded in the thermoplastic material and do not pose any food safety risk.



Premium TPU belt material: superior abrasion resistance and hydrolysis resistance



Fully extruded monolithic belt design and hygienic round corners



Cords maintain tension for reliable sprocket engagement

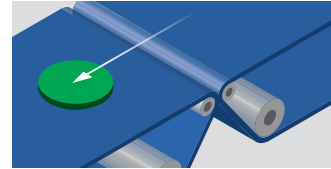
These benefits make the Habasit Cleandrive™ conveyor the safe choice for hygiene-sensitive food processing applications.



The advanced design of Habasit Cleandrive™ friction drive conveyor belts meets customers' most complex process requirements, while also providing stringent hygiene and high cost-efficiency.

Increased processing yield

Habasit Cleandrive™ friction drive conveyor belts with their flexible yet strong construction cater for the smallest possible pulley diameters, thus minimizing product damage and product loss in transfer situations, and improving processing yield.



Narrow transfers possible

Habasit Cleandrive™ friction drive monolithic conveyor belts are the right choice when the food processing application requires maximum hygiene and/or easy transfer of products.

Product Range Overview – Friction drive belts

CD FD3

Colors: cobalt blue and white

Surface: smooth

Min. diameter = 30 mm / 1.18"

Surface: waffle

Min. diameter = 35 mm / 1.38"

Hygienic alternative to coated fabric belts



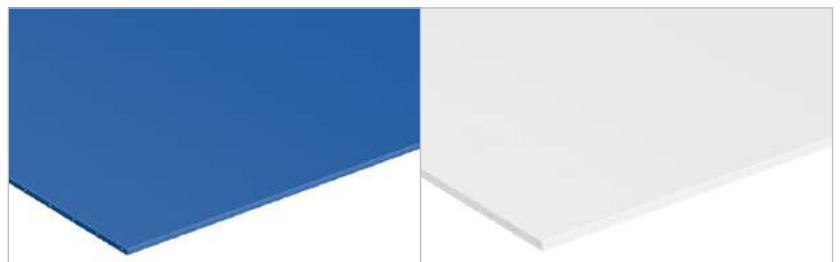
CD FD2

Colors: cobalt blue and white

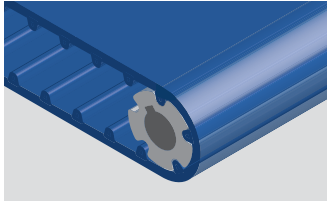
Surface: smooth

Min. diameter = 25 mm / 0.98"

Ideal for narrow transfers



Habasit Cleandrive™ positive drive aramid reinforced monolithic conveyor belts deliver significant advantages for wet and dry applications in the food processing industry.



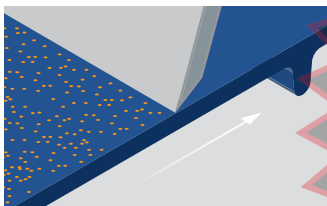
Easy conveyor construction, installation and retrofit

Habasit Cleandrive™ belts reduce the amount of design work needed when building a conveyor. Their zero-tension belt design eliminates the need for special active sprocket engagement, which reduces complexity and cost, and extends belt lifetime due to less abrasion.



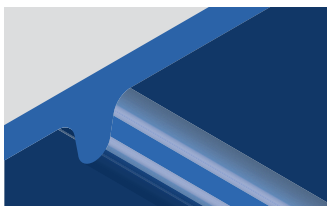
Aramid reinforced design

Aramid cords guarantee reliable sprocket engagement and dimensional stability without the risk of fraying.



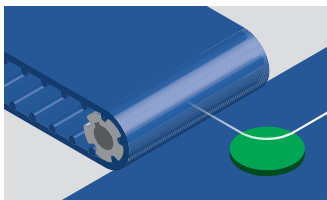
Scraper friendly

Our proprietary manufacturing process allows us to produce Habasit Cleandrive™ belts with a completely even surface, free of depressions and sink marks. This facilitates a very scraper-friendly solution, as all residual products can be safely removed by a scraper, which maximizes yield, reduces the risk of cross-contamination, and makes the belt easier to clean.



Hygienic design

Hygienic design plays an increasingly important role in food-safe production. Smooth, rounded shapes make it easy to remove foodstuff residues – even from the backside of the belt.



Narrow transfers

Flexible and strong construction allows the smallest possible pulley diameters, thus minimizing product damage and loss in transfer situations.

Product range overview – Positive drive belts

CD M50

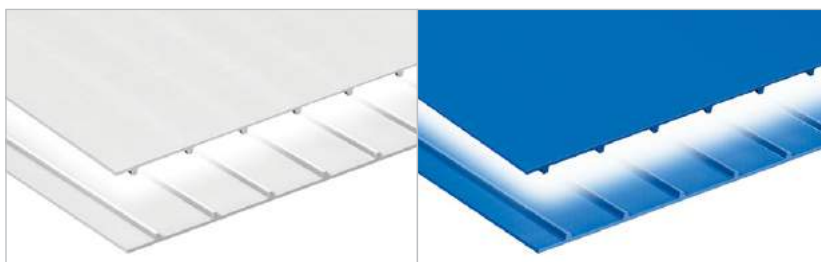
Colors: cobalt blue and white

Surface: smooth

Min. pitch diameter = 80.8 mm / 3.20"

All-purpose conveying

Smallest 2" drive pulley on the market



CD M25

Colors: cobalt blue and white

Surface: smooth

Min. pitch diameter = 60.1 mm / 2.37"

Compact installations

Narrow transfers



CD H5

Colors: cobalt blue and white

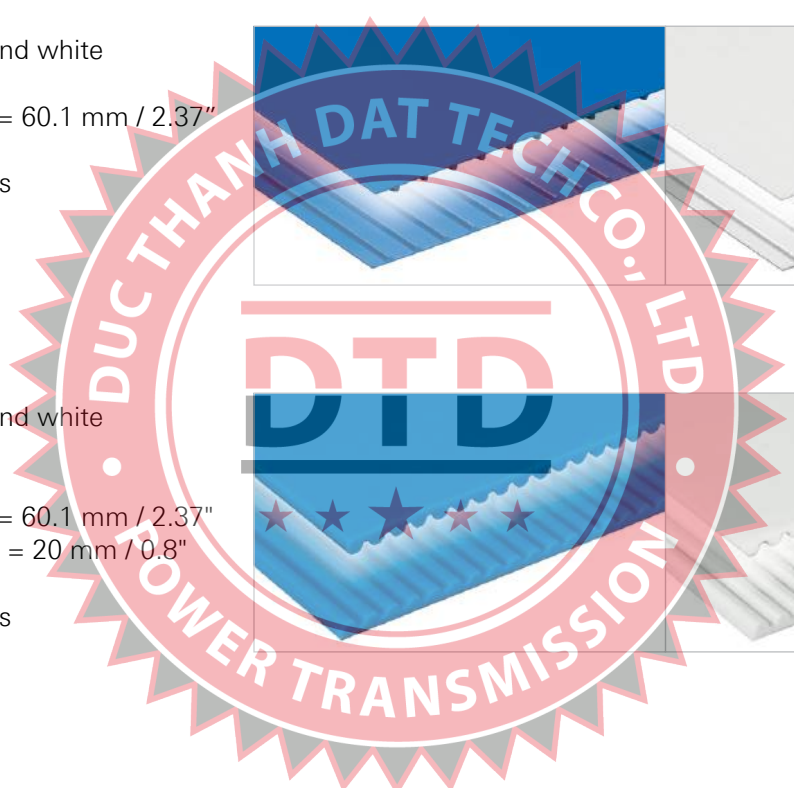
Surface: smooth

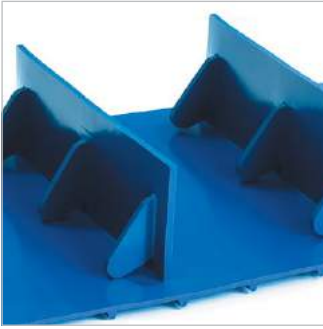
Min. pitch diameter = 60.1 mm / 2.37"

Min. pulley diameter = 20 mm / 0.8"

Compact installations

Narrow transfers





The use of options and modifications to Cleandrive™ belts can enhance the possibilities in your applications. Options such as flights, sidewalls, guiding profiles and different machining sources can optimize the product and improve the usage.

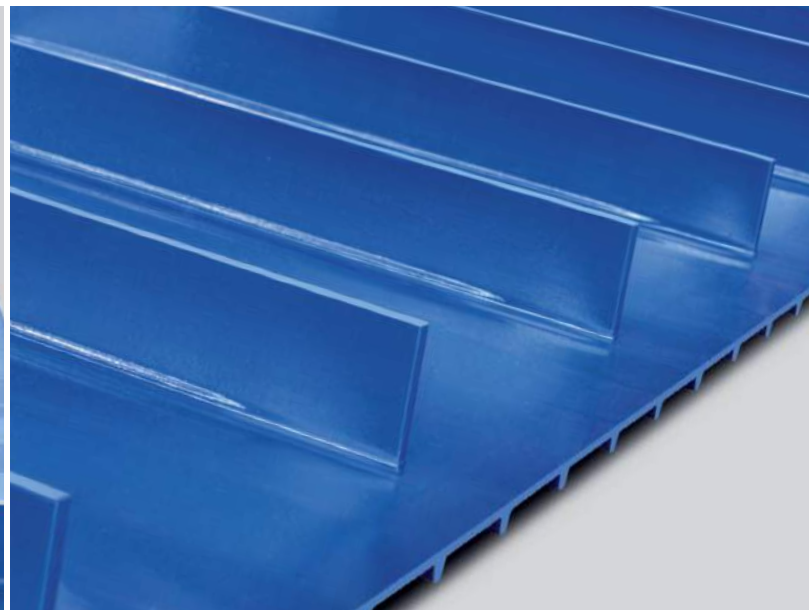
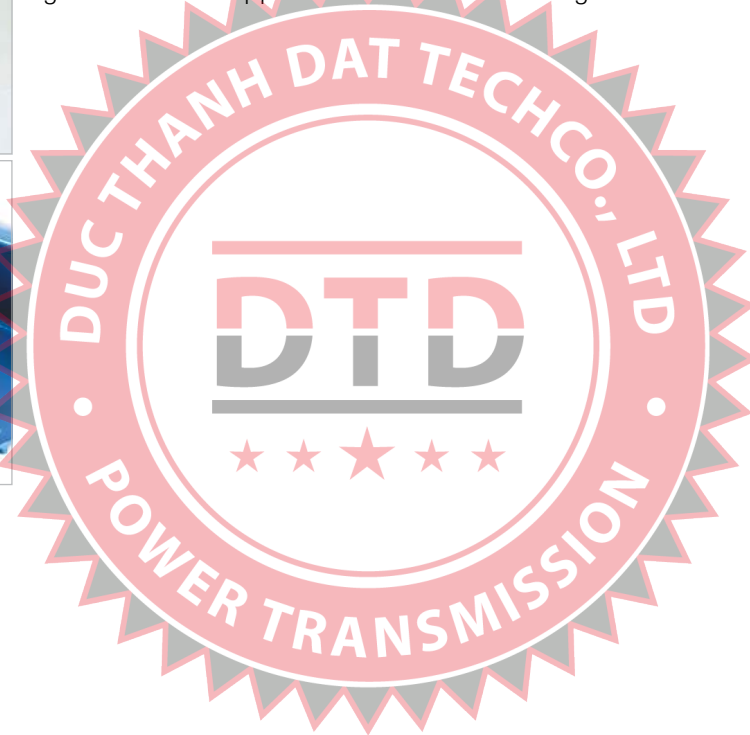
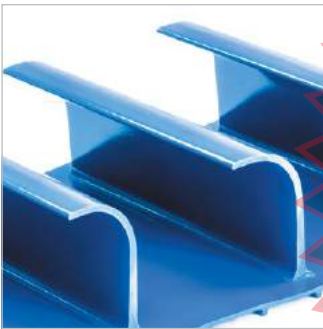
Standard and customized flights

A variety of standard flight solutions can be found in the chapter "Profiles" (page 10). Depending on the application and product shape, customized flights can be cut out of flat flight material according to your drawings. Customized flights can help to support or convey products.



Flight gussets

In order to support flights in heavy duty applications, gussets can be applied to the back side of flights.



Standard and customized sidewalls

Sidewalls can be added in different height and thickness.

For technical information, see chapter "Sidewalls" (page 12).

Customized sidewalls help to optimize the belt features to specific application needs.

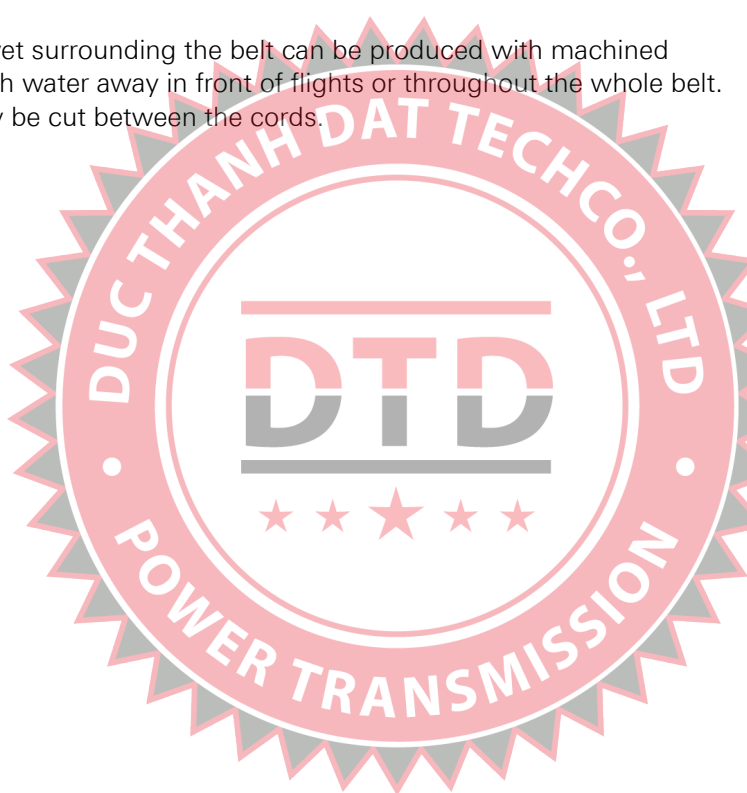
Grinding guiding slots (grooves) for supports or profiles

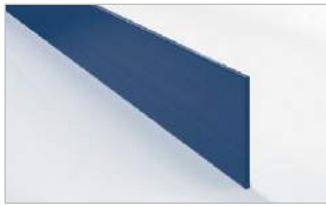
In positive drive Habasit Cleandrive™ belts, slots can be grinded through the drive bars in running direction for different purposes, such as better belt tracking. In addition, profiles can be welded into the slots for guiding purpose as well. The edge sections of the drive bars can be grinded away to close gaps at the belt edge and to guide the belt.

Cutting flush holes



For applications in wet surrounding the belt can be produced with machined holes in order to flush water away in front of flights or throughout the whole belt.

Note: Holes can only be cut between the cords.







TPU Flat

		
Material	TPU+	TPU+
Hardness	87ShA	87ShA
Color	Cobalt blue	White
Food grade	•	•
Hydrol. Resist.	•	•
Thickness [mm]	Product name	
1.3		E-FB13-HW-C100
2.2		E-FB22-HW-C100
5.0	E-FB50-HC-C25	E-FB50-HW-C50





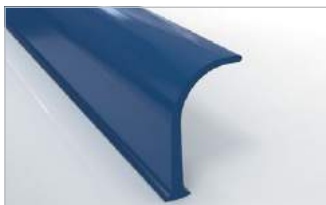
E-PN Narrow

		
Material	TPU+	TPU+
Hardness	87ShA	87ShA
Color	Cobalt blue	White
Food grade	•	•
Hydrol. Resist.	•	•
Height [mm]	Product name	
30	E-PN30-HC-B100	E-PN30-HW-B100
60	E-PN60-HC-B43	E-PN60-HW-B43





E-PQ Rectangular

		
Material	TPU+	TPU+
Hardness	83ShA	83ShA
Color	Cobalt blue	White
Food grade	•	•
Hydrol. Resist.	•	•
Height [mm]	Product name	
8	E-PQ08-GC-B300	E-PQ08-GW-B300
12	E-PQ12-GC-B150	E-PQ12-GW-B150
16	E-PQ16-GC-B150	E-PQ16-GW-B150



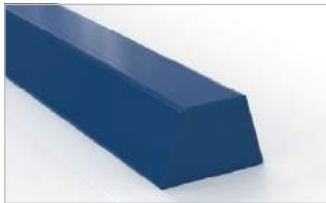
E-PS Scoops

		
Material	TPU+	TPU+
Hardness	87ShA	87ShA
Color	Cobalt blue	White
Food grade	•	•
Hydrol. Resist.	•	•
Height [mm]	Product name	
75 (3")	E-PS03-HC-B144	E-PS03-HW-B144
100 (4")	E-PS04-HC-B144	E-PS04-HW-B144
150 (6")	E-PS06-HC-B72	E-PS06-HW-B72



Tracking guides are placed on the running side of conveyor belts. This provides true belt tracking in applications where long narrow belts are used for conveying products.

Tracking guides are also common where products are side loaded, which could otherwise cause a lateral shift in the belt's direction of travel.

The tracking guides can be notched or deep notched to provide maximum flexibility around the pulleys.



E-PV – Standard

		
Material	TPU+	TPU+
Hardness	83ShA	83ShA
Color	Cobalt blue	White
Food grade	•	•
Hydrol. Resist.	•	•
Thickness [mm]	Product name	
6	E-PV06-GC-C300	E-PV06-GW-C300
8	E-PV08-GC-C200	E-PV08-GW-C200
10	E-PV10-GC-C200	E-PV10-GW-C200
13	E-PV13-GC-C100	E-PV13-GW-C100





E-PV+N – Notched

		
Material	TPU+	TPU+
Hardness	83ShA	83ShA
Color	Cobalt blue	White
Food grade	•	•
Hydrol. Resist.	•	•
Thickness [mm]	Product name	
6	E-PV06-GC-C300+N	E-PV06-GW-C300+N

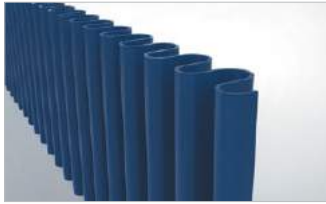


E-PV+NN – Deep notched



		
Material	TPU+	TPU+
Hardness	83ShA	83ShA
Color	Cobalt blue	White
Food grade	•	•
Hydrol. Resist.	•	•
Thickness [mm]	Product name	
8	E-PV08-GC-C200+NN	E-PV08-GW-C200+NN
10	E-PV10-GC-C200+NN	E-PV10-GW-C200+NN
13	E-PV13-GC-C100+NN	E-PV13-GW-C100+NN

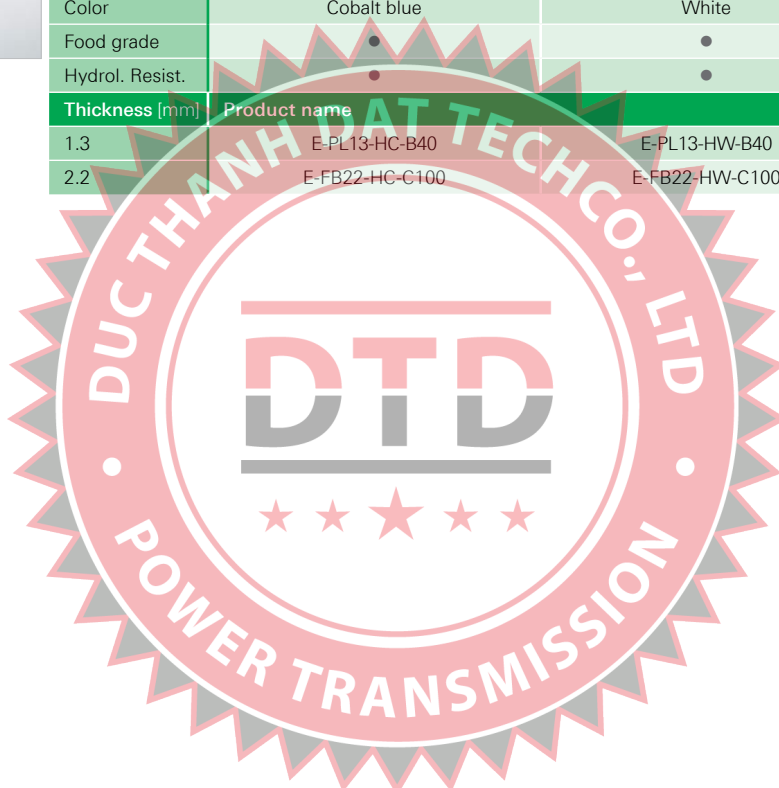
Habasit Habibord flexible and wear resistant corrugated sidewall profiles can be applied on TPU conveyors and processing belts.

Profiles are applied to the conveying side of a belt using a high-frequency welding process. Habibord can be used in a wide range of applications in order to contain bulk goods at the sides of conveyor belts. Pre-formed flat profiles can be cut down in height; the excellent flexibility of the polyurethane permits small pulley diameters.



E-PL Standard / E-FB

		
Material	TPU+	TPU+
Hardness	87ShA	87ShA
Color	Cobalt blue	White
Food grade	•	•
Hydrol. Resist.	•	•
Thickness [mm]	Product name	
1.3	E-PL13-HC-B40	E-PL13-HW-B40
2.2	E-FB22-HC-C100	E-FB22-HW-C100

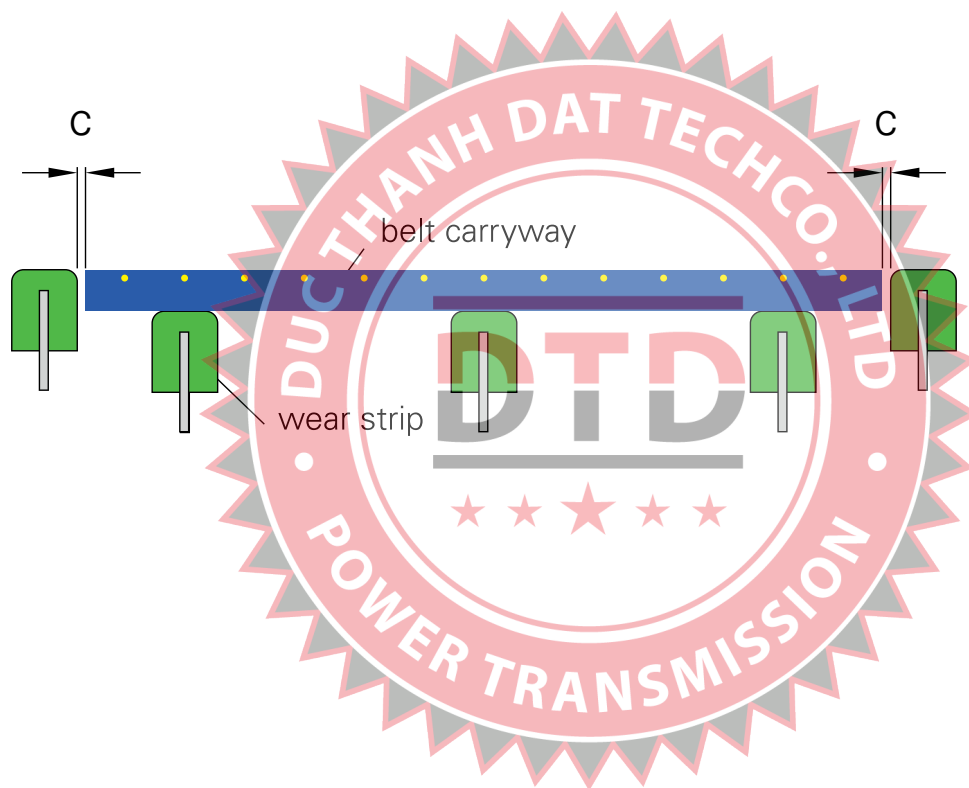
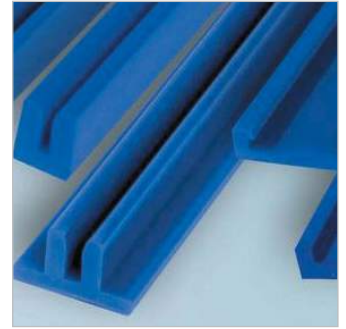


Belt accessories – HabiPLAST™ guides and wear strips

Our HabiPLAST™ range of guides and wear strips offers hygienic conveyor accessories.

Key features:

- Low coefficient of friction
- Self-lubricating
- Good vibration and noise absorption
- High wear resistance
- High chemical resistance, no corrosion
- No moisture absorption
- High dielectric strength
- High impact and fracture strength





Habasit Cleandrive™ HyCLEAN series M2

Habasit Cleandrive™ HyCLEAN sprockets guarantee the highest reliability and very easy cleaning thanks to hygienic rounded surfaces that are free of crevices.

HyCLEAN series sprockets are designed for standalone performance but can be ideally combined with our HyCLEAN CIP automated cleaning system.

For further details, please contact your local Habasit representative.

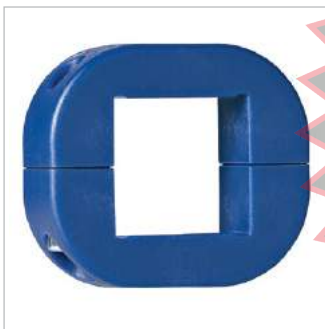


Habasit Cleandrive™ series C3

A wide range of machined sprockets guarantees the best fit for all Habasit Cleandrive™ types and pitch sizes.

Different materials and customized sprockets are available to meet your specific application requirements.

For detailed information and support please contact your local Habasit partner.



Retainer Rings

The series of matching retainer rings round or square bore shape can be used for axial fixation of sprockets and idlers.

The design supports easy installation from one side, no shaft turning for screw fixing is necessary.



Habasit Cleandrive™ belts are available as open end belts or endless welded. In addition to this, mechanical joinings can be used for faster maintenance and installation.

Hygienic endless belt joining

Our newly developed Quickmelt joining technology produces a continuous and smooth joining area that is free of crevices and cracks. A short installation time is all it takes to fit a belt on-site that offers high belt strength and easy-to-clean joining.

1" and 2" Mechanical Lace

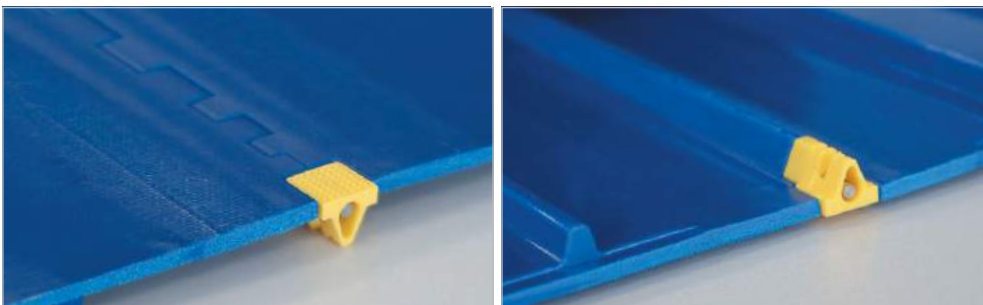
Optional to the welded joinings Cleandrive™ belts can be supplied with a mechanical lacing to open and close the joining with a plastic or steel rod. Mechanical lacings are available for FD and PD belts only. This product offers an exciting solution to meet the strictest sanitation requirements. The mechanical lace facilitates a very quick opening and closing of the belt, giving you the following benefits:

- Simple assembly and disassembly
- Easy cleaning and maintenance
- Reduced downtime



Habasit SaniClip

For the 2" Habasit Cleandrive belts, the smart SaniClip solution offers even better flexibility and easier belt disassembly, which not only reduces maintenance costs but also improves sanitation by encouraging belt removal instead of cleaning on the conveyor.







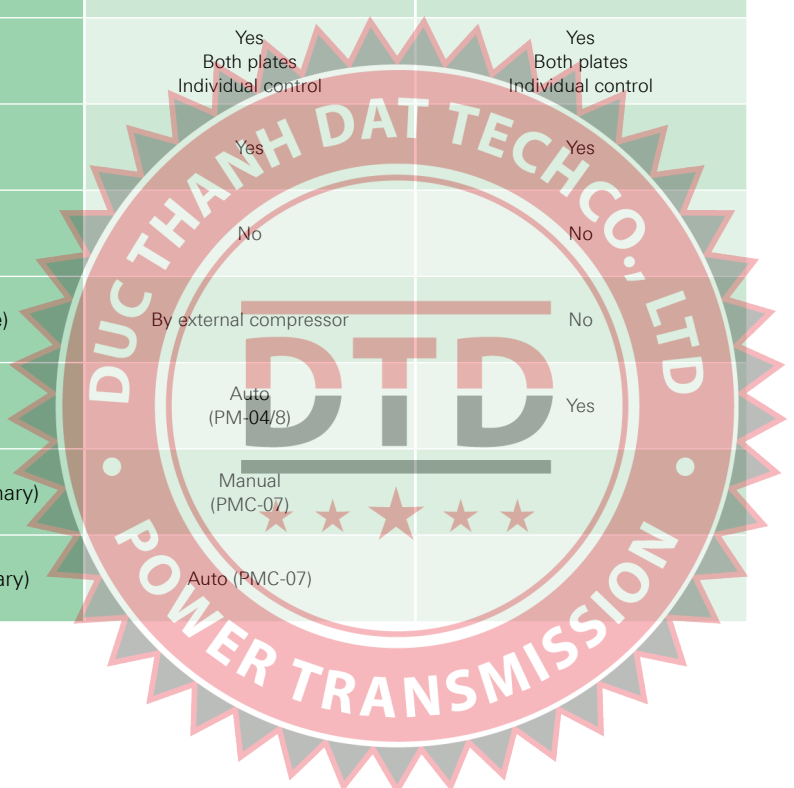
PQ-03

The PQ-03 heat press series has been specifically developed for joining Habasit Cleandrive™ series belts up to 10 mm thick using the Quickmelt method. The press is compact, lightweight and easy to use. It does not need water for cooling and there are no exposed hot parts.



Details			Power supply				Product type		Method		Dimensions			Press details								
Max belt width	Ordering code	P/N	Power [W]	1 x 120 V	1 x 230 V	3 x 230 V	3 x 400 V	Conveyor belts	Habasit Cleandrive™	Power transmission	Machine tapes	Flexproof	Quickmelt	Thermofix	Length [mm]	Width [mm]	Height [mm]	Weight [kg]	Kit version	Control unit	Cooling unit	Press accessories
PQ-03 Habasit Cleandrive™																						
400	H088000521	PQ-403/8	1000	•	•	•	•	•	•	•	•	•	•	670	165	230	15	Mobile	PFR-101			
	H088000520	PQ-403/6	1000	•	•	•	•	•	•	•	•	•	•	670	165	230	15	Mobile	PFR-101			
600	H088000412	PQ-603/8	1200	•	•	•	•	•	•	•	•	•	•	900	150	200	19	Mobile	PFR-101			
	H088000411	PQ-603/6	1200	•	•	•	•	•	•	•	•	•	•	900	150	200	19	Mobile	PFR-101			
1300	H088000457	PQ-1303/8	2900	•	•	•	•	•	•	•	•	•	•	1690	165	260	62	Mobile	PFR-101			
	H088000456	PQ-1303/6	1600	•	•	•	•	•	•	•	•	•	•	1690	165	260	62	Mobile	PFR-101			
1800	H088000506	PQ-1803/5	4700	•	•	•	•	•	•	•	•	•	•	2220	300	320	89	Mobile	PMR-07/5			
	H088000505	PQ-1803/4	3600	•	•	•	•	•	•	•	•	•	•	2220	300	320	89	Mobile	PMR-07/4			

	PMR-07	PFR-101
		
		
Model	Lite	Portable
Temperature regulation	Yes Both plates Individual control	Yes Both plates Individual control
Time control	Yes	Yes
Joining parameters	No	No
Pressure control (Mobile)	By external compressor	No
Cooling control (Mobile)	Auto (PM-04/8)	Yes
Pressure control (Stationary)	Manual (PMC-07)	
Cooling control (Stationary)	Auto (PMC-07)	



Customers first

Your success is our goal. That is why we don't just offer products; we provide solutions. As committed partners to our customers, we are dedicated to sharing our knowledge and providing full support.

Since our founding in 1946, Habasit has been finding ways to meet customer's specific needs in every application. This is what differentiates us as the #1 worldwide belting provider in the industry today.



Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you in your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that lead the global market for decades.



Belt Selection and Calculation Assistance

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at selecalc.habasit.com.



Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.



Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.



Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location.



Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customer's sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.



Committed to innovation

Because our customers' belting challenges and needs are always changing, we consistently invest a substantial amount of labor and resources into the research and development of new products and solutions.

Certified for quality

We deliver the highest quality standards not only in our products and solutions, but also in our employees' daily work processes. Habasit AG is certified according to ISO 9001:2008.



Worldwide leading product range

Habasit offers the largest selection of belting, conveying, processing and complementary products in the industry. Our response to any request is nothing less than a specific, tailor-made solution.



HabaFLOW®

Fabric-based conveyor and processing belts

HabasitLINK®

Plastic modular belts

Habasit Cleandrive™

Monolithic reinforced conveyor belts

HabaDRIVE®

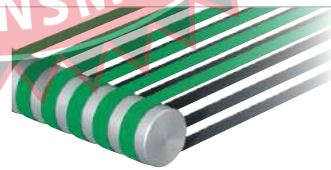
Power transmission belts



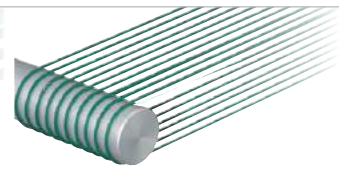
HabaSYNC®
Timing belts



HabaCHAIN®
Chains (slat and conveyor chains)



Machine tapes



Round belts



Seamless belts



HabiPLAST™
Profiles, Guides, Wear strips



Accessories
(sprockets, flights, welding profiles, etc.)



Fabrication tools
(joining, cutting & preparing devices)

EMEA

Germany

Habasit GmbH, Eppertshausen
Phone: +49 6071 969 0
www.habasit.de

Switzerland

Habasit GmbH, Reinach
Phone: +41 61 577 51 00
www.habasit.ch

Austria

Habasit GmbH, Vienna
Phone: +43 1 690 66
www.habasit.at

Italy

Habasit Italiana SpA
Customer Care: 199 199 333
For int. calls: +39 0438 911444
www.habasit.it

France

Habasit France S.A.S., Mulhouse
Phone: +33 389 338 903
www.habasit.fr

Spain

Habasit Hispánica S.A.
Barberá del Vallés
Phone: +34 937 191 912
www.habasit.es

United Kingdom & Ireland

Habasit UK Ltd., Elland
Phone: +44 333 207 6570
www.habasit.co.uk

Netherlands

Habasit Netherlands BV, Nijkerk
Phone: +31 332 472 030
www.habasit.nl

Belgium & Luxembourg

Habasit Belgium N.V., Zaventem
Phone: +32 27 250 430
www.habasit.be | habasit.lu

Turkey

Habasit Kayis San.
Ve Tic. Ltd. Sti., Istanbul
Phone: +90 444 70 43
www.habasit.com.tr

Nordic countries

Habasit AB, Hindås, Sweden
Phone: +46 301 226 00
www.habasit.se

Poland

Habasit Polska Sp. z o.o.
Dąbrowa Górnicza
Phone: +48 32 639 02 40
www.habasit.pl

Russia

OOO Habasit Ltd.
Moscow Region
Phone: +7 495 966 1566
www.habasit.ru

Ukraine

Habasit Ukraine LLC., Kyiv
Phone: +38 044 290 88 99
www.habasit.ua

South Africa

Habasit South Africa Pty Ltd.
Gauteng
Phone: +27 10 001 6770
www.habasit.co.za

APAC

Japan

Habasit Nippon Co. Ltd., Tokyo
Phone: +81 3 6820 2120
www.habasit.co.jp

China

Habasit East Asia Ltd.
Fotan, Shatin, N.T., Hong Kong
Phone: +852 2145 0150
www.habasit.com.hk

Habasit (Shanghai) Co. Ltd.

Shanghai
Phone: +8621 5488 1218
www.habasit.com.cn

Taiwan

Habasit (Taiwan) Ltd.
New Taipei City
Phone: +886 2 2267 0538
www.habasit.com.tw

India

Habasit India, Coimbatore
Phone: +91 422 666 7800
www.habasit.in

Singapore

Habasit Far East Pte Ltd.
Singapore
Phone: +65 6862 5566
www.habasit.com.sg

Australia

Habasit Australia Pty Ltd.
Silverwater, Sydney
Phone: +61 1300 945 455
www.habasit.com.au

New Zealand

Habasit New Zealand Pty Ltd.
Auckland
Phone: 0800 000 070
www.habasit.co.nz

AMERICAS

USA

Habasit America
Suwanee, Georgia
Phone: +1 800 458 6431
www.habasitamerica.com

Canada

Habasit Canada Ltd., Oakville
Phone: +1 905 827 41 31
www.habasit.ca

Mexico

Habasit Rocua, Zapopan
Phone: +52 33 3824 2358
www.habasitrocua.mx

Brazil

Habasit do Brasil, Barueri - SP
Phone: +55 11 4789 9022
www.habasit.com.br

Habasit AG

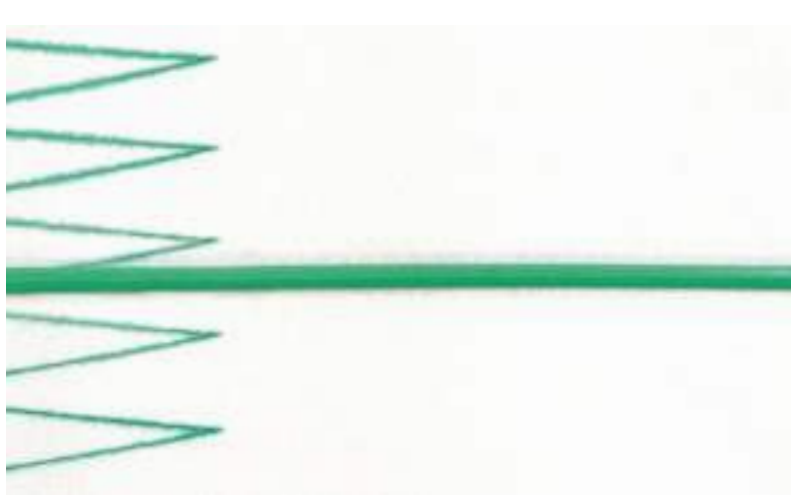
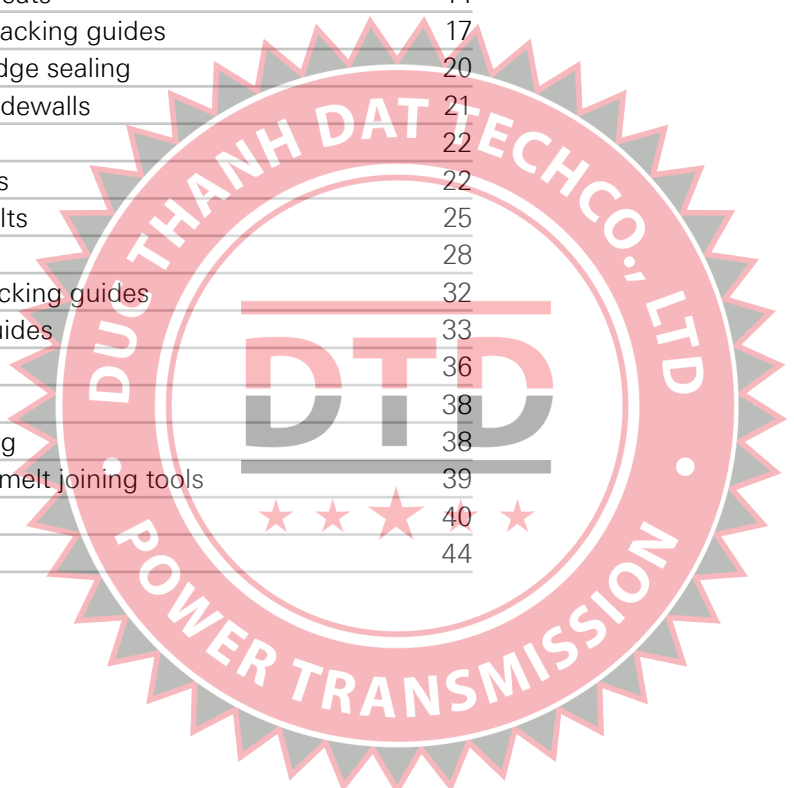
Römerstrasse 1
CH-4153 Reinach, Switzerland
Phone +41 61 715 15 15
Fax +41 61 715 15 55
E-mail info@habasit.com
www.habasit.com

Registered trademarks
Copyright Habasit AG
Subject to alterations
4238BRO.PDB-en0518HQ

Thermoplastic Extruded Profiles



Introduction	3
Product code	4
Round belts	6
Special round belts	7
Molded round belts	8
V-belts	9
T-belts	10
Flat belts and HabaSYNC® covers	11
Structured flat belts	12
PVC and TPEE Flat belts	13
Belt accessories	14
Belt accessories – Cleats	14
Belt accessories – Tracking guides	17
Belt accessories – Edge sealing	20
Belt accessories – Sidewalls	21
Details	22
Details – Round belts	22
Details – V-shape belts	25
Details – Cleats	28
Details – Cleats / Tracking guides	32
Details – Tracking guides	33
Engineering guides	36
Accessories	38
Accessories – Cutting	38
Accessories – Quickmelt joining tools	39
Solutions in motion	40
Contacts	44



Conveying goods can be a complex and diverse process. Depending on the type of product, optimization of the line and efficiency of the conveying process require a high degree of belt customization. Habasit range of thermoplastic belts and belt accessories, including tracking guides, cleats, sidewalls and flat profiles for edge sealing allows you to find the right solution for your requirements.

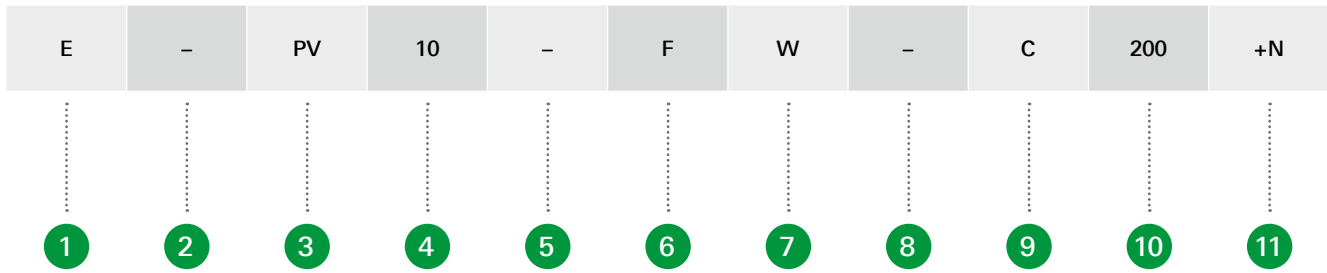
Habasit round belts are highly flexible, directionally adjustable, and multi-directional for angular gears. They can be used for conveying as well as for driving applications. As a result of their elasticity, round belts can be installed without a tensioning device. This allows compact machine designs. In addition, the elasticity acts as a security element by reducing shocks in case of brief overloads.

Trapezoidal and other shaped belts are tailor-made to suit specific industry and application needs or machine designs. Offered in three different shapes - V, T and flat - these belts are used on linear conveyors, in diverter applications, and, as an accessory for fabricated belts to support smooth and reliable operation.

Thermoplastic profiles and cleats are primarily used in general conveying on inclining or declining transport in linear movement, or in applications where transversal forces occur. Profiles can be added to conveyor and processing belts, as well as to HabaSYNC® timing belts, to assist conveying and product placement. Cleats, tracking guides, and side walls are available in a variety of sizes and materials that offer enhanced features for your custom design.

Belts are produced in different materials (polyurethane, hydrolysis resistant polyurethane, PVC), different thicknesses and with various surface properties. Specific Food grade TPU and PVC compounds with EU and FDA certifications have been developed for food contact applications.





1 Code digit – Manufacturing technology

E	Extruded products
M	Molded (Habiring)

2 Interruption (= reading aid)

3 Code digit 2 letters – Profile shape

FB	Flat belts
PB	Profile – Narrow base bent flight
PE	Profile – Edge sealing profile
PI	Profile – Finger
PL	Profile – Habibord
PN	Profile – Narrow base flight
PP	Profile – Power turn
PQ	Profile – Rectangular
PS	Profile – Scoop
PT	Profile – T-shape
PU	Profile – Flat tracking guide (ex pug)
PV	Profile – V-shape tracking guide
PW	Profile – Welding rod
RB	Round belt – Standard
RR	Round belt – Reinforced
TT	T-shape belt
VT	V-shape belt – Standard
VR	V-shape belt – Reinforced
VC	V-shape belt – Crested
VS	V-shape belt – Reinforced + crested
VU	V-shape belt – Raised

4 Code digit – Biggest dimension

13–50	Flat belts. 10x Thickness of the flat belt in mm
04–105	Profiles – Cleats. Height of the profile in mm
06–30	V-Guides & V-Belts. Width of the profile in mm
2.0x118– 7.0x445	Habiring. Diameter and Belt Length in mm

5 Interruption (= reading aid)

6 Code digit 1 letter – Material

C	TPO 85ShA (F)
E	TPEE 55ShA (F)
F	Polyester TPU 85ShA (F)
G	Polyether TPU 83ShA (F)*
H	Polyether TPU 87ShA (F) **
J	Polyether TPU 95ShA (F) **
K	Polyester TPU 85ShA
L	Polyester TPU 85ShA – Extra elastic
O	PVC 55ShA
R	PVC 65ShA (F)
S	PVC 65ShA
T	Polyester TPU 92ShA
U	Polyester TPU 75ShA
W	Polyester TPU 63ShA
X	Special – See notes
Y	TPU 95ShA (F)

(F) = Food grade
 * dedicated to new Habasit TPU food belts
 ** dedicated to Habasit® Cleandrive range

7 Code digit 1 letter – Color

A	Anthracite	N	Natural
B	Black	O	Orange
C	Cobalt blue	P	Apple green
D	Dark green	R	Red
E	Beige	S	Light blue
F	Off-white	T	Transparent
G	Green	U	Umber brown
H	Honey	V	Light green
I	Bluish	W	White
K	Golden	Y	Yellow
L	Light gray	X	Special*
M	Gray		

*Comments will follow on product name

8 Interruption (= reading aid)

9 Code digit 1 letter – Packaging type

C	Coil
B	Box

10 Code digit – Packaging quantity → 200 m Length







11 Code digit – Options

E	Embossed
G	Grip
M	Metal detectable
N	Notched
NN	Special notched
R	Rough surface
S	Smooth surface






















Key to material abbreviations

PVC = Polyvinyl chloride
 TPEE = Thermoplastic copolyester
 TPO = Thermoplastic polyolefin
 TPU = Polyester thermoplastic polyurethane
 TPU+ = Polyether thermoplastic polyurethane

Key to symbols

	Sand-finish
	Sand-finish reinforced
	Smooth
	Rough
	Grip top
	Grip top reinforced

Profile shape – Symbols

	FB Flat belts
	PB Profile – Narrow base bent flight
	PE Profile – Edge sealing profile
	PI Profile – Finger
	PL Profile – Habibord
	PN Profile – Narrow base flight
	PP Profile – Power turn
	PQ Profile – Rectangular
	PS Profile – Scoop
	PT Profile – T-shape
	PU Profile – Flat tracking guide (ex pug)
	PV Profile – V-shape tracking guide
	PW Profile – Welding rod
	RB Round belt – Standard
	RR Round belt – Reinforced
	TT T-shape belt – Single T / Double T
	VT V-shape belt – Standard
	VR V-shape belt – Reinforced
	VC V-shape belt – Crested
	VS V-shape belt – Reinforced + crested
	VU V-shape belt – Raised

The Habasit round belts range offers a wide selection of standard, Food grade and hydrolysis resistant sand-finish TPU belts, with a choice of different surface finishes and textile yarn reinforcement configurations.



Open end – standard

- Polycord® – Made in Switzerland
- Habicord – Optionally in rough, smooth and reinforced versions

Open end – Food grade





- Polywhite – Food grade and high wear resistance
- Habibblue – Polyether TPU, hydrolysis resistant round belts




Molded – standard

- Habiring – Endless molded round belts

Applications:

Standard: textile, packaging, paper, ceramics and wood industries; live roller drives and linear conveyors
 Hydrolysis resistant: bakery, meat and cheese processing

Brand	Polycord®	Habicord	Habibblue	Polywhite
				
Material	TPU	TPU	TPU+	TPU
Hardness	87ShA	87ShA	87ShA	87ShA
Color	Green	Green	Cobalt blue	White
Surface	Sand-finish	Sand-finish	Sand-finish	Sand-finish
Food grade				•
Hydrol. Resist.				
Ø [mm]	Product name			
3	E-RB03-KG	E-RB03-KG-C300	E-RB03-HC-C300	E-RB03-FW-C300
4	E-RB04-KG	E-RB04-KG-C250	E-RB04-HC-C250	E-RB04-FW-C250
5	E-RB05-KG	E-RB05-KG-C250	E-RB05-HC-C250	E-RB05-FW-C250
6	E-RB06-KG	E-RB06-KG-C250	E-RB06-HC-C250	E-RB06-FW-C250
7	E-RB07-KG	E-RB07-KG-C200		E-RB07-FW-C200
8	E-RB08-KG	E-RB08-KG-C200	E-RB08-HC-C200	E-RB08-FW-C200
10	E-RB10-KG	E-RB10-KG-C100	E-RB10-HC-C100	E-RB10-FW-C100
12	E-RB12-KG	E-RB12-KG-C100	E-RB12-HC-C100	E-RB12-FW-C100
15	E-RB15-KG	E-RB15-KG-C50		E-RB15-FW-C50
18		E-RB18-KG-C50		
20		E-RB20-KG-C50		

Brand	Rough Habicord	Smooth Habicord	Reinforced Habicord
			
Material	TPU	TPU	TPU
Hardness	87ShA	87ShA	87ShA
Color	Green	Green	Cobalt blue
Surface	Rough	Smooth	Sand-finish
Ø [mm]	Product name		
2	E-RB02-KG-C600+R		
3	E-RB03-KG-C300+R		
4	E-RB04-KG-C250+R		E-RR04-KC-C250
5	E-RB05-KG-C250+R	E-RB05-KG-C250+S	
6	E-RB06-KG-C250+R	E-RB06-KG-C250+S	E-RR06-KC-C250
w	E-RB08-KG-C200+R	E-RB08-KG-C200+S	
10		E-RB10-KG-C100+S	E-RR10-KC-C100
12	E-RB12-KG-C100+R	E-RB12-KG-C100+S	E-RR12-KC-C100
15	E-RB15-KG-C50+R		

Surface finishings



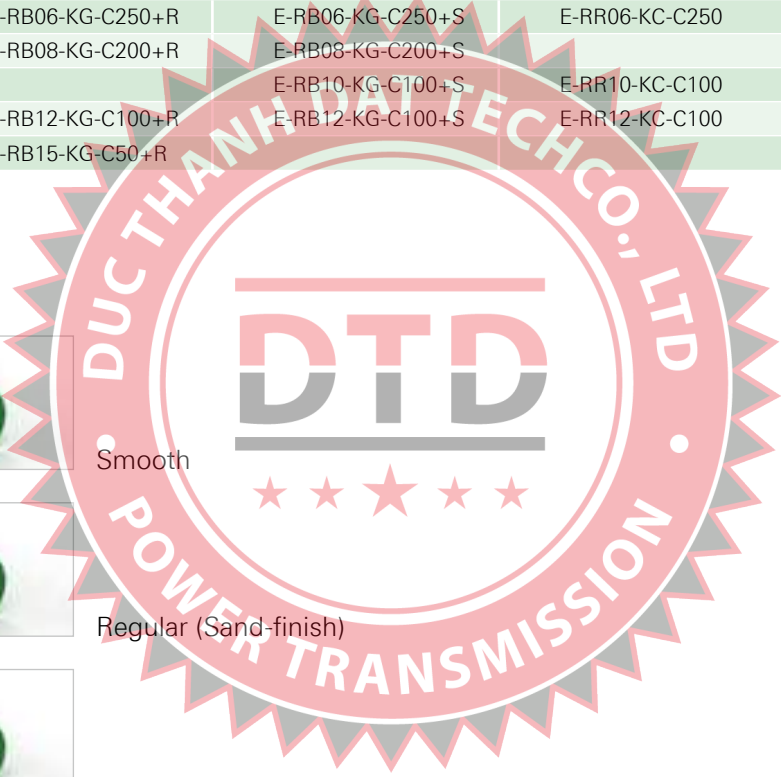
Smooth







Regular (Sand-finish)



Rough



Molded round belts

Brand		Habiring				
						
Material	TPU		TPU		TPU	
Hardness	87ShA		87ShA		87ShA	
Color	Cobalt blue		Green		Natural	
Ø [mm]	L [mm]	Product name				
2.0	118		M-RB2.0x118-KG-B1000			
	128		M-RB2.0x128-KG-B1000			
	147		M-RB2.0x147-KG-B1000			
2.5	78	M-RB2.5x078-KC-B1000	M-RB2.5x078-KG-B1000		M-RB2.5x078-KY-B1000	
2.7	268	M-RB2.7x268-KC-B1000			M-RB2.7x268-KY-B1000	
	307	M-RB2.7x307-KC-B1000			M-RB2.7x307-KY-B1000	
3.0	140		M-RB3.0x140-KG-B1000			
	155		M-RB3.0x155-KG-B1000			
	175		M-RB3.0x175-KG-B1000	M-RB3.0x175-KN-B1000		
	245		M-RB3.0x245-KG-B1000			
3.2	133		M-RB3.2x133-KG-B1000			
3.5	207			M-RB3.5x207-KN-B1000		
4.0	112		M-RB4.0x112-KG-B1000			
	122		M-RB4.0x122-KG-B1000			
	258	M-RB4.0x258-KC-B1000				
5.0	123		M-RB5.0x123-KG-B1000			
	182		M-RB5.0x182-KG-B1000			
	196		M-RB5.0x196-KG-B1000			
6.0	95		M-RB6.0x095-KG-B1000			
	119		M-RB6.0x119-KG-B1000			
	130		M-RB6.0x130-KG-B1000			
	142		M-RB6.0x142-KG-B1000			
	200		M-RB6.0x200-KG-B1000			
6.5	445		M-RB6.5x445-KG-B1000			
7.0	119		M-RB7.0x119-KG-B1000			
	128		M-RB7.0x128-KG-B1000			
	130		M-RB7.0x130-KG-B1000			
	170		M-RB7.0x170-KG-B1000			
	173		M-RB7.0x173-KG-B1000			

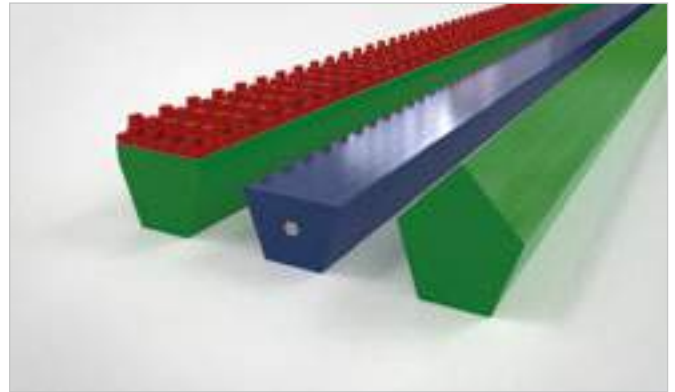
V-belts are highly flexible V-shaped smooth TPU belts running over pulleys compliant with DIN2215. They are used in linear conveyors, especially in the ceramics and materials handling industries.

Features

- High abrasion and chemical resistance
- Easy to weld

Options

- Reinforced
- Grip top (with grip cover)
- Crested top
- Raised top

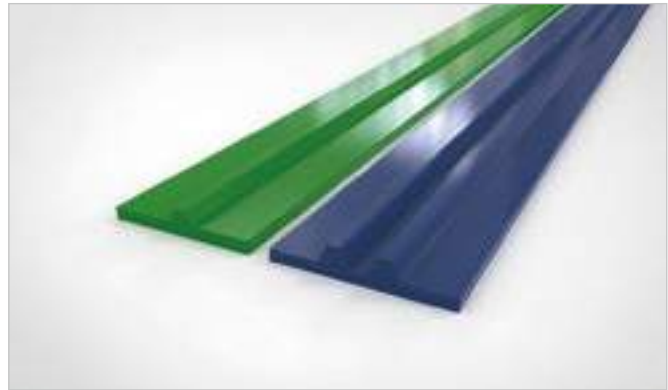


Type	Standard	Grip top	Reinforced	Reinforced + grip top
Material	TPU	TPU	TPU	TPU
Hardness	87ShA	87ShA	87ShA	87ShA
Color	Green	Green	Cobalt blue	Cobalt blue
Surface	Smooth	Smooth	Smooth	Smooth
DIN 2215 B [mm]	ISO 4184 equivalent	Product name		
10	Z	E-VT10-KG-C200	E-VT10-KG-C50+G	
13	A	E-VT13-KG-C100	E-VT13-KG-C50+G	E-VR13-KC-C100
17	B	E-VT17-KG-C50	E-VT17-KG-C50+G	E-VR17-KC-C50
22	C	E-VT22-KG-C50	E-VT22-KG-C50+G	E-VR22-KC-C50

Type	Crested	Crested + reinforced	Raised
Material	TPU	TPU	TPU
Hardness	87ShA	87ShA	87ShA
Color	Green	Cobalt blue	Green
Surface	Smooth	Smooth	Smooth
B [mm]	Product name		
10			E-VU10-KG-C100
13			E-VU13-KG-C100
17	E-VC17-KG-C100	E-VS17-KC-C50	E-VU17-KG-C50
22	E-VC22-KG-C30	E-VS22-KC-C50	

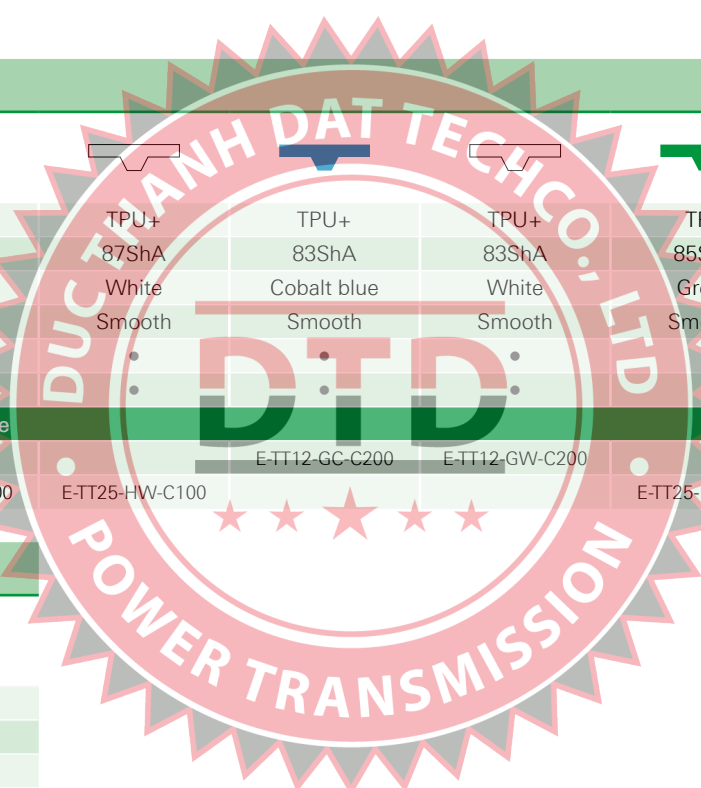
Habasit offers narrow flat belts with one or two tracking guides integrated on the running side, available in standard and Food grade smooth TPU.

Applications: linear conveyors and diverters



Single T						
Material	TPU+	TPU+	TPU+	TPU+	TPU	TPU
Hardness	87ShA	87ShA	83ShA	83ShA	85ShA	85ShA
Color	Cobalt blue	White	Cobalt blue	White	Green	White
Surface	Smooth	Smooth	Smooth	Smooth	Smooth	Smooth
Food grade	•	•	•	•		
Hydrol. Resist.	•	•	•	•		
B [mm]	Product name					
12			E-TT12-GC-C200	E-TT12-GW-C200		E-TT12-KW-C50
25	E-TT25-HC-C100	E-TT25-HW-C100			E-TT25-KG-C200	E-TT25-KW-C50

Double T	
Material	TPU+
Hardness	87ShA
Color	Cobalt blue
Surface	Smooth
Food grade	•
Hydrol. Resist.	•
B [mm]	Product name
28	E-TT28-HC-C100














Covers provide the friction needed to handle products so that they are correctly indexed and securely managed. Habasit's extruded TPU covers can be used in multiple applications and under most conditions.




They can provide a combination of features that include:

- Abrasion resistance
- Chemical resistance
- High or low coefficients of friction
- Food compliance
- Gentle movement
- Shock absorption



TPU flat belts					
					
Material	TPU+	TPU+	TPU+	TPU+	TPU
Hardness	95ShA	87ShA	87ShA	65ShA	92ShA
Color	Cobalt blue	Cobalt blue	White	Transparent	Natural
Food grade	•	•	•		
Hydrol. Resist.		•	•		
Thickness [mm]	Product name				
1.3		E-FB13-HC-C100	E-FB13-HW-C100	E-FB13-WT-C100	
1.6				E-FB16-WT-C100	
1.7					
2.0				E-FB20-WT-C100	E-FB20-TN-C100
2.2		E-FB22-HC-C100	E-FB22-HW-C100		
3.0				E-FB30-WT-C50	E-FB30-TN-C50
4.0				E-FB40-WT-C50	E-FB40-TN-C50
5.0	E-FB50-YC-C25	E-FB50-HC-C25	E-FB50-HW-C50	E-FB50-WT-C25	E-FB50-TN-C25


TPU flat belts						
						
Material	TPU	TPU	TPU	TPU	TPU	TPU
Hardness	85ShA	85ShA	85ShA	85ShA	85ShA	85ShA
Color	Cobalt blue	White	Green	Transparent	Yellow	Dark green
Food grade	•	•	•	•	•	•
Thickness [mm]	Product name					
1.3	E-FB13-FC-C100	E-FB13-FW-C100	E-FB13-FG-C100			E-FB13-FD-C100
1.6						
1.7		E-FB17-FW-C100				
2.0	E-FB20-FC-C100	E-FB20-FW-C100		E-FB20-FT-C100	E-FB20-FY-C100	
2.2						
3.0	E-FB30-FC-C50	E-FB30-FW-C50		E-FB30-FT-C50		
4.0		E-FB40-FW-C50				E-FB40-FD-C50
5.0	E-FB50-FC-C25	E-FB50-FW-C25				
		E-FB50-FW-C50				





		Structured TPU flat belts		
				
Material		TPU	TPU	TPU
Hardness		63ShA	85ShA	85ShA
Color		Red	Cobalt blue	Green
Food grade			•	
Emboss top	Emboss bot.	Product name		
S	H	E-FB20-WR-C100+E(S/H)	E-FB20-FC-C100+E(S/H)	
S	HT		E-FB20-FC-C100+E(S/HT)	
S	LG			E-FB20-KG-C100+E(S/LG)
S	T		E-FB20-FC-C100+E(S/T)	
EH	T		E-FB20-FC-C100+E(EH/T)	
EH	T		E-FB20-FB-C100+E(EH/T)	
HT	LG			E-FB20-KM-C100+E(HT/LG)


Thickness: 2,0 mm

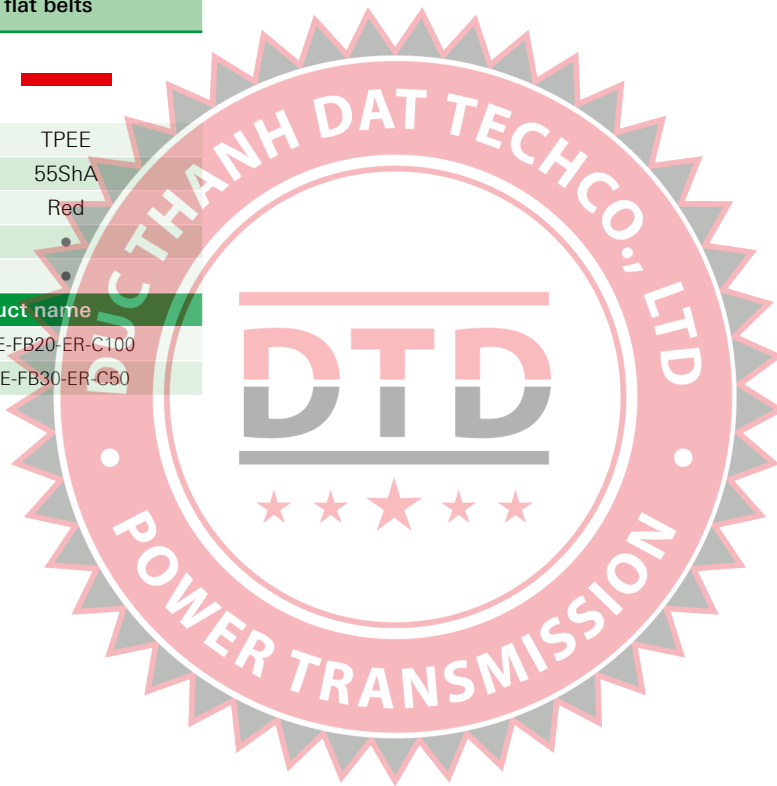
Structures nomenclature



	S / Smooth		HT / Cone Top
	EH / Extra Fine		LG / Longitudinal Grooves
	H / Fine		T / Honeycomb

PVC flat belts				
				
Material	PVC	PVC	PVC	PVC
Hardness	65ShA	65ShA	65ShA	65ShA
Color	Cobalt blue	White	Dark green	Anthracite
Food grade	•	•	•	
Thickness [mm]	Product name			
3.0				E-FB30-SA-C50
4.0	E-FB40-RC-C50	E-FB40-RW-C50	E-FB40-RD-C50	

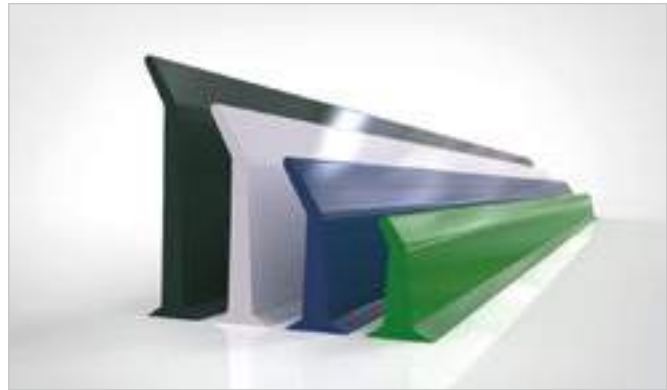
TPEE flat belts	
	
Material	TPEE
Hardness	55ShA
Color	Red
Food grade	•
Hydrol. Resist.	•
Thickness [mm]	Product name
2.0	E-FB20-ER-C100
3.0	E-FB30-ER-C50



The Habasit accessories range for conveyor and processing belts includes:

- Cleats
- Tracking guides
- Edge sealing profiles
- Corrugated sidewalls

Belts equipped with transversal profiles are mainly used for inclined applications; sidewalls can be used together with these in order to contain bulk goods at the sides of the belt. Different shapes, colors, dimensions and material hardnesses are mostly available in TPU, but often also in PVC. Mounting is usually done by welding, and is carried out by a Habasit representative.
















Accessories can be orientated, based on the application's needs, in many different configurations, for example:






- Transverse to the running direction for inclined or declined conveying or product placement
- Diagonally or staggered to the running direction for inclined or declined conveying or product placement
- Laterally as a side border to avoid products falling off the conveyor belt
- Along and above the running direction of the belt edges as a side skirt
- Mounted on the belt running side as a tracking guide to equalize or balance transversal forces








	PT							
Material	TPU	TPU	TPU	PVC	PVC	PVC	PVC	PVC
Hardness	85ShA	85ShA	85ShA	65ShA	65ShA	65ShA	65ShA	65ShA
Color	Cobalt blue	White	Green	Cobalt blue	White	Dark green	Anthracite	Dark green
Food grade	•	•	•	•	•	•		
Height [mm]	Product name							
20	E-PT20-FC-B156	E-PT20-FW-B156	E-PT20-FG-B156		E-PT20-RW-B156		E-PT20-SA-B156	E-PT20-SD-B156
30	E-PT30-FC-B72	E-PT30-FW-B72	E-PT30-FG-B72	E-PT30-RC-B72	E-PT30-RW-B72	E-PT30-RD-B72	E-PT30-SA-B72	E-PT30-SD-B72
40	E-PT40-FC-B60	E-PT40-FW-B60	E-PT40-FG-B60	E-PT50-RC-B60	E-PT40-RW-B60		E-PT40-SA-B60	E-PT40-SD-B60
50	E-PT50-FC-B36	E-PT50-FW-B36	E-PT50-FG-B36	E-PT50-RC-B36	E-PT50-RW-B36	E-PT50-RD-B36	E-PT50-SA-B36	E-PT50-SD-B36
70	E-PT70-FC-B24	E-PT70-FW-B24	E-PT70-FG-B24	E-PT70-RC-B24	E-PT70-RW-B24	E-PT70-RD-B24	E-PT70-SA-B36	E-PT70-SD-B24




PN						
						
Material	TPU	TPU	TPU	TPU	TPU+	TPU+
Hardness	85ShA	85ShA	85ShA	65ShA	87ShA	87ShA
Color	Cobalt blue	White	Green	Dark green	Cobalt blue	White
Food grade	•	•	•	•	•	•
Hydrol. Resist.					•	•
Height [mm]	Product name					
20	E-PN20-FC-B144	E-PN20-FW-B144	E-PN20-FG-B144	E-PN20-FD-B144		
30	E-PN30-FC-B100	E-PN30-FW-B100	E-PN30-FG-B100	E-PN30-FD-B100	E-PN30-HC-B100	E-PN30-HW-B100
40	E-PN40-FC-B60	E-PN40-FW-B60	E-PN40-FG-B60	E-PN40-FD-B60		
40x22				E-PN40x22-FD-C60		
60	E-PN60-FC-B43	E-PN60-FW-B43	E-PN60-FG-B43	E-PN60-FD-B43	E-PN60-HC-B43	E-PN60-HW-B43
80	E-PN80-FC-B36	E-PN80-FW-B36	E-PN80-FG-B43	E-PN80-FD-B36		

PQ							
							
Material	TPU+	TPU+	TPU	TPU	TPU	TPU	TPU
Hardness	83ShA	83ShA	85ShA	85ShA	85ShA	85ShA	85ShA
Color	Cobalt blue	White	Cobalt blue	White	Green	Dark green	White
Food grade	•	•	•	•	•	•	•
Hydrol. Resist.	•	•					
Height [mm]	Product name						
4			E-PQ04-FC-C200	E-PQ04-FW-C200			E-PQ04-FW-C200+N
				E-PQ04-FW-B540			
8	E-PQ08-GC-B300	E-PQ08-GW-B300	E-PQ08-FC-C100	E-PQ08-FW-C100	E-PQ08-FG-C100		
				E-PQ08-FW-B300	E-PQ08-FG-B300		
12	E-PQ12-GC-B150	E-PQ12-GW-B150	E-PQ12-FC-C50	E-PQ12-FW-C50	E-PQ12-FG-C50	E-PQ12-FD-B150	
			E-PQ12-FC-B150	E-PQ12-FW-B150	E-PQ12-FG-B150		
16	E-PQ16-GC-B150	E-PQ16-GW-B150		E-PQ16-FW-C50	E-PQ16-FG-B150		
				E-PQ16-FW-B150	E-PQ16-FG-B150		

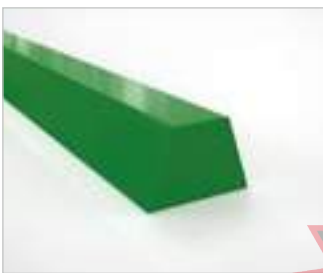
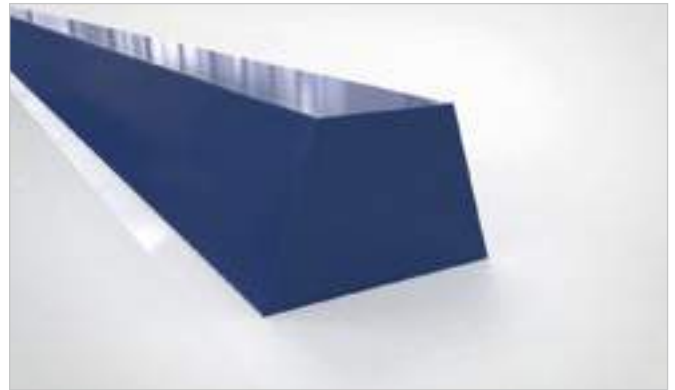
PQ					
					
Material	PVC	PVC	PVC	PVC	TPO
Hardness	65ShA	65ShA	65ShA	65ShA	85ShA
Color	Cobalt blue	White	Anthracite	Dark green	White
Food grade	•	•			•
Hydrol. Resist.					•
Height [mm]	Product name				
4			E-PQ04-SA-C200		
8	E-PQ08-RC-C100	E-PQ08-RW-C100	E-PQ08-SA-C100	E-PQ08-SD-C100	E-PQ08-CW-C100
	E-PQ08-RC-B300	E-PQ08-RW-B300	E-PQ08-SA-B300	E-PQ08-SD-B300	
12	E-PQ12-RC-C50	E-PQ12-RW-C50	E-PQ12-SA-C50	E-PQ12-SD-C50	
	E-PQ12-RC-B150	E-PQ12-RW-B150	E-PQ12-SA-B150	E-PQ12-SD-B150	
16	E-PQ16-RC-B50	E-PQ16-RW-C50	E-PQ16-SA-C50	E-PQ16-SD-C50	
		E-PQ16-RW-B150	E-PQ16-SA-B150	E-PQ16-SD-B150	

PB			
			
Material	TPU	TPU	TPU
Hardness	85ShA	85ShA	85ShA
Color	Cobalt blue	White	Dark green
Food grade	•	•	•
Height [mm]	Product name		
20	E-PB20-FC-B120	E-PB20-FW-B120	E-PB20-FD-B120
30	E-PB30-FC-B84	E-PB30-FW-B84	E-PB30-FD-B84
40	E-PB40-FC-B60	E-PB40-FW-B60	E-PB40-FD-B60
50	E-PB50-FC-B48	E-PB50-FW-B48	E-PB50-FD-B48

PS			
			
Material	TPU+	TPU+	
Hardness	87ShA	87ShA	
Color	Cobalt blue	White	
Food grade	•	•	
Hydrol. Resist.	•	•	
Height [mm]	Product name		
75 (3")	E-PS03-HC-B144	E-PS03-HW-B144	
100 (4")	E-PS04-HC-B144	E-PS04-HW-B144	
150 (6")	E-PS06-HC-B72	E-PS06-HW-B72	

PI			
			
Material	PVC	PVC	PVC
Hardness	65ShA	65ShA	65ShA
Color	Cobalt blue	White	Dark green
Food grade	•	•	•
Height [mm]	Product name		
105	E-PI105-RC-B500	E-PI105-RW-B500	E-PI105-RD-B500

Tracking guides are placed on the running side of conveyor belts or on the tooth side of timing belts. This provides true belt tracking in applications where long narrow belts are used for conveying products. Tracking guides are also common where products are side loaded, which could otherwise cause a lateral shift in the belt's direction of travel. The tracking guides can be notched or deep notched to provide maximum flexibility around the pulleys.



E-PV* – Standard



E-PV*+N – Notched









E-PV*+NN – Deep notched










E-PU* – Flat notched


Standard

	PV					
						
Material	TPU+	TPU+	TPU	TPU	TPU	TPU
Hardness	83ShA	83ShA	85ShA	85ShA	85ShA	65ShA
Color	Cobalt blue	White	Cobalt blue	White	Green	Transparent
Food grade	•	•	•	•	•	
Hydrol. Resist.	•	•				
Thickness [mm]	Product name					
6	E-PV06-GC-C300	E-PV06-GW-C300		E-PV06-FW-C200		E-PV06-WT-C300
8	E-PV08-GC-C200	E-PV08-GW-C200	E-PV08-FC-C200	E-PV08-FW-C200		E-PV08-WT-C200
10	E-PV10-GC-C200	E-PV10-GW-C200	E-PV10-FC-C200	E-PV10-FW-C200	E-PV10-FG-C200	E-PV10-WT-C200
13	E-PV13-GC-C100	E-PV13-GW-C100	E-PV13-FC-C100	E-PV13-FW-C100	E-PV13-FG-C100	E-PV13-WT-C100
17				E-PV17-FW-C50	E-PV17-FG-C50	E-PV17-WT-C50


Notched

	PV+N						
							
Material	TPU+	TPU+	TPU	TPU	TPU	TPU	TPU
Hardness	83ShA	83ShA	85ShA	85ShA	65ShA	65ShA	92ShA
Color	Cobalt blue	White	White	Green	Natural	Transparent	White
Food grade	•	•	•	•			
Hydrol. Resist.	•	•					
B [mm]	Product name						
6	E-PV06-GC-C300+N	E-PV06-GW-C300+N			E-PV06-WN-C300+N		
8			E-PV08-FW-C200+N				
10			E-PV10-FW-C200+N	E-PV10-FG-C200+N		E-PV10-WT-C200+N	
13			E-PV13-FW-C100+N	E-PV13-FG-C100+N		E-PV13-WT-C100+N	
17			E-PV17-FW-C50+N	E-PV17-FG-C50+N		E-PV17-WT-C50+N	E-PV17-TW-C50+N





Deep notched





	PV+NN						
							
Material	TPU+	TPU+	TPU	TPU	TPU	TPU	TPU
Hardness	83ShA	83ShA	85ShA	85ShA	85ShA	85ShA	65ShA
Color	Cobalt blue	White	Cobalt blue	White	Green		Transparent
Food grade	•	•	•	•	•	•	
Hydrol. Resist.	•	•					
B [mm]	Product name						
06							E-PV06-TW-C300+NN
08	E-PV08-GC-C200+NN	E-PV08-GW-C200+NN	E-PV08-FC-C200+NN	E-PV08-FW-C200+NN			
10	E-PV10-GC-C200+NN	E-PV10-GW-C200+NN	E-PV10-FC-C200+NN	E-PV10-FW-C200+NN			E-PV10-TW-C200+NN
13	E-PV13-GC-C100+NN	E-PV13-GW-C100+NN	E-PV13-FC-C100+NN	E-PV13-FW-C100+NN			E-PV13-TW-C100+NN
17				E-PV17-FW-C50+NN	E-PV17-FG-C50+NN		

Flat notched





	PU
	
Material	TPU
Hardness	85ShA
Color	White
Food grade	•
B [mm]	Product name
15	E-PU15-FW-C50
25	E-PU25-FW-C50

PVC tracking guides Standard

PV				
				
Material	PVC	PVC	PVC	PVC
Hardness	65ShA	65ShA	65ShA	55ShA
Color	Cobalt blue	White	Dark green	Anthracite
Food grade	•	•	•	
B [mm]	Product name			
06	E-PV06-RC-C300	E-PV06-RW-C300	E-PV06-RD-C300	
08	E-PV08-RC-C200	E-PV08-RW-C200	E-PV08-RD-C200	
10	E-PV10-RC-C200	E-PV10-RW-C200	E-PV10-RD-C200	E-PV10-OA-C200
13	E-PV13-RC-C100	E-PV13-RW-C100	E-PV13-RD-C100	E-PV13-OA-C100
22				

PV				
				
Material	PVC	PVC	PVC	PVC
Hardness	65ShA	65ShA	55ShA	55ShA
Color	Anthracite	Dark green	White	White
Food grade			•	•
Hydrol. Resist.			•	•
B [mm]	Product name			
06	E-PV06-SA-C300	E-PV06-SD-C300	E-PV06-EW-C200	
08	E-PV08-SA-C200	E-PV08-SD-C200	E-PV08-EW-C200	
10	E-PV10-SA-C200	E-PV10-SD-C200	E-PV10-EW-C200	
13	E-PV13-SA-C100	E-PV13-SD-C100	E-PV13-EW-C100	E-PV13-CW-C100
22	E-PV22-SA-C50			

Notched

PV+N				
				
Material	PVC	PVC	PVC	PVC
Hardness	65ShA	55ShA	65ShA	65ShA
Color	White	Anthracite	Anthracite	Dark green
Food grade	•			
B [mm]	Product name			
6	E-PV06-RW-C300+N		E-PV06-SA-C300+N	
8	E-PV08-RW-C200+N		E-PV08-SA-C200+N	E-PV08-SD-C200+N
10	E-PV10-RW-C200+N	E-PV10-OA-C200+N	E-PV10-SA-C200+N	E-PV10-SD-C200+N
13	E-PV13-RW-C100+N	E-PV13-OA-C100+N	E-PV13-SA-C100+N	E-PV13-SD-C100+N
17	E-PV17-RW-C50+N	E-PV17-OA-C50+N	E-PV17-SA-C50+N	E-PV17-SD-C50+N
22			E-PV22-SA-C50+N	
30		E-PV30-OA-C25+N	E-PV30-SA-C25+N	

Habasit can edge seal TPU-, TPO- and PVC-coated conveyor belts. Edge sealing is an additional hygiene measure mostly found in food applications to protect the inner layer of coated fabric belts from soiling by liquids or contamination by microorganisms. Edge sealing can also be applied to avoid fiber contamination of products, machines or bearings.









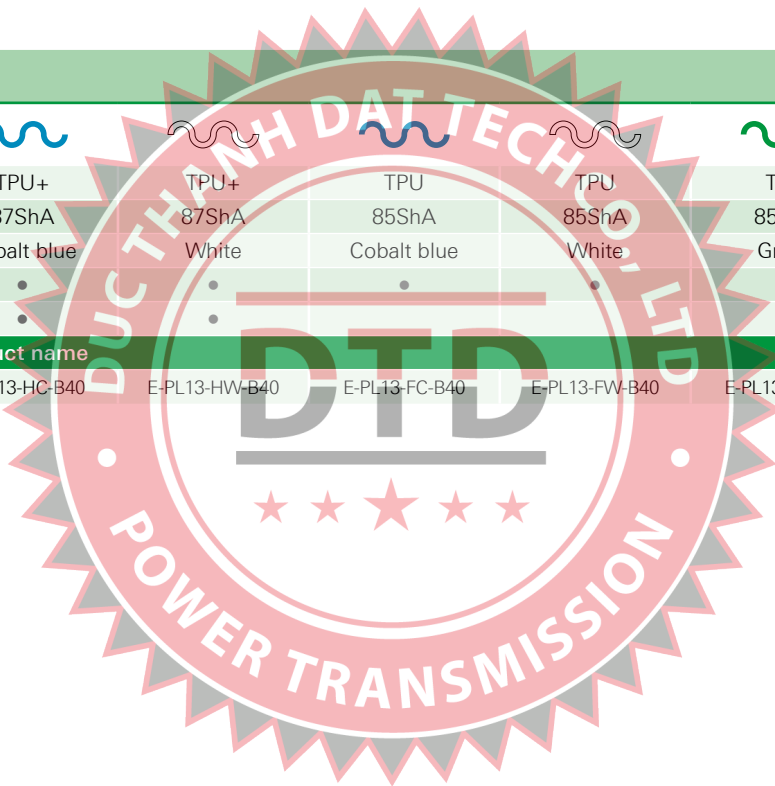
PE							
Material	TPU+	TPU+	TPU	TPU	TPU	TPU	TPU
Hardness	83ShA	83ShA	85ShA	85ShA	85ShA	95ShA	95ShA
Color	Cobalt blue	White	White	Green	Transparent	Cobalt blue	Green
Food grade	•	•	•	•	•	•	•
Hydrol. Resist.	•	•	•	•	•	•	•
B [mm]	Product name						
14	E-PE14-GC-C100	E-PE14-GW-C100	E-PE14-FW-C100	E-PE14-FG-C100	E-PE14-FT-C100	E-PE14-YC-C100	E-PE14-YG-C100

PE							
Material	PVC	PVC	PVC	PVC	TPO	TPO	TPO
Hardness	65ShA	65ShA	65ShA	65ShA	85ShA	85ShA	85ShA
Color	Cobalt blue	White	Dark green	Anthracite	Cobalt blue	Natural	White
Food grade	•	•	•	•	•	•	•
Hydrol. Resist.	•	•	•	•	•	•	•
B [mm]	Product name						
14	E-PE14-RC-C100	E-PE14-RW-C100	E-PE14-RD-C100	E-PE14-SA-C100	E-PE14-CC-C100	E-PE14-CN-C100	E-PE14-CW-C100

Habasit Habibord flexible and wear resistant corrugated sidewall profiles can be applied on TPU conveyors and processing belts. Profiles are applied to the conveying side of a belt using a high-frequency welding process. Habibord can be used in a wide range of applications in order to contain bulk goods at the sides of conveyor belts. Pre-formed flat profiles can be cut down in height; the excellent flexibility of the polyurethane permits small pulley diameters.



	PL					
						
Material	TPU+	TPU+	TPU	TPU	TPU	TPU
Hardness	87ShA	87ShA	85ShA	85ShA	85ShA	85ShA
Color	Cobalt blue	White	Cobalt blue	White	Green	Dark green
Food grade	•	•	•	•	•	•
Hydrol. Resist.	•	•	•	•	•	•
Thickness [mm]	Product name					
1.3	E-PL13-HC-B40	E-PL13-HW-B40	E-PL13-FC-B40	E-PL13-FW-B40	E-PL13-FG-B40	E-PL13-FD-B40



Habicord (Standard TPU round belts)

Diameter [mm]	Material	Hardness [SHA]	Color	Package type	Package quantity	Order code	Product name	Description	Specific weight [kg/m]	C.O.F. on steel	k8% static	k8% relaxed	Peripheral force [N]
02	TPU	87	Green	Coil	600	H090031303	E-RB02-KG-C600 HABCORD	HABCORD R-2	0.00	0.4	8	6	10
03	TPU	87	Green	Coil	300	H090031306	E-RB03-KG-C300 HABCORD	HABCORD R-3	0.01	0.4	18	13	23
04	TPU	87	Green	Coil	250	H090031309	E-RB04-KG-C250 HABCORD	HABCORD R-4	0.01	0.4	32	23	41
05	TPU	87	Green	Coil	250	H090031312	E-RB05-KG-C250 HABCORD	HABCORD R-5	0.02	0.4	49	36	65
06	TPU	87	Green	Coil	250	H090031315	E-RB06-KG-C250 HABCORD	HABCORD R-6	0.03	0.4	71	52	93
07	TPU	87	Green	Coil	200	H090031318	E-RB07-KG-C200 HABCORD	HABCORD R-7	0.04	0.4	97	71	127
08	TPU	87	Green	Coil	200	H090031321	E-RB08-KG-C200 HABCORD	HABCORD R-8	0.06	0.4	126	92	165
10	TPU	87	Green	Coil	100	H090031327	E-RB10-KG-C100 HABCORD	HABCORD R-10	0.09	0.4	197	145	258
12	TPU	87	Green	Coil	100	H090031333	E-RB12-KG-C100 HABCORD	HABCORD R-12	0.13	0.4	284	208	372
15	TPU	87	Green	Coil	50	H090031342	E-RB15-KG-C50 HABCORD	HABCORD R-15	0.20	0.4	444	325	582
18	TPU	87	Green	Coil	50	H090031343	E-RB18-KG-C50 HABCORD	HABCORD R-18	0.30	0.4	635	464	845
20	TPU	87	Green	Coil	50	H090031357	E-RB20-KG-C50 HABCORD	HABCORD R-20/7	0.37	0.4	784	572	1045
Rough Habicord													
02	TPU	87	Green	Coil	600	S090031364	E-RB02-KG-C600+R HABCORD	HABCORD R-2R	0.00	0.4	8	6	10
03	TPU	87	Green	Coil	300	H090031359	E-RB03-KG-C300+R HABCORD	HABCORD R-3R	0.01	0.4	18	13	23
04	TPU	87	Green	Coil	250	H090031358	E-RB04-KG-C250+R HABCORD	HABCORD R-4R	0.01	0.4	32	23	41
05	TPU	87	Green	Coil	250	H090031360	E-RB05-KG-C250+R HABCORD	HABCORD R-5R	0.02	0.4	49	36	65
06	TPU	87	Green	Coil	250	H090031361	E-RB06-KG-C250+R HABCORD	HABCORD R-6R	0.03	0.4	71	52	93
08	TPU	87	Green	Coil	200	H090031363	E-RB08-KG-C200+R HABCORD	HABCORD R-8R	0.06	0.4	126	92	165
12	TPU	87	Green	Coil	100	S090031365	E-RB12-KG-C100+R HABCORD	HABCORD R-12R	0.13	0.4	284	208	372
15	TPU	87	Green	Coil	50	H090031366	E-RB15-KG-C50+R HABCORD	HABCORD R-15R	0.20	0.4	444	325	582
Smooth Habicord													
05	TPU	87	Green	Coil	250	H090031367	E-RB05-KG-C250+S HABCORD	HABCORD R-5B	0.02	0.4	49	36	65
06	TPU	87	Green	Coil	250	H090031372	E-RB06-KG-C250+S HABCORD	HABCORD R-6B	0.03	0.4	71	52	93
08	TPU	87	Green	Coil	200	H090031368	E-RB08-KG-C200+S HABCORD	HABCORD R-8B	0.06	0.4	126	92	165
10	TPU	87	Green	Coil	100	H090031370	E-RB10-KG-C100+S HABCORD	HABCORD R-10B	0.09	0.4	197	145	258
12	TPU	87	Green	Coil	100	H090031371	E-RB12-KG-C100+S HABCORD	HABCORD R-12B	0.13	0.4	284	208	372
1/4	TPU	87	Green	Coil	250	S090031367	E-RB1/4-KG-C250+S HABCORD	HABCORD R-6,3B	×	×	×	×	×
Reinforced Habicord													
04	TPU	87	Cobalt blue	Coil	250	S090033674	E-RR04-KC-C250 HABCORD	HABCORD RR-4	×	×	×	×	×
06	TPU	87	Cobalt blue	Coil	250	S090033676	E-RR06-KC-C250 HABCORD	HABCORD RR-6	×	×	×	×	×
10	TPU	87	Cobalt blue	Coil	100	H090033681	E-RR10-KC-C100 HABCORD	HABCORD RR-10	0.09	0.75	×	×	×
12	TPU	87	Cobalt blue	Coil	100	S090033683	E-RR12-KC-C100 HABCORD	HABCORD RR-12	0.13	0.75	×	×	×
1/2	TPU	87	Cobalt blue	Coil	100	S090033682	E-RR1/2-KC-C100 HABCORD	HABCORD RR-12,5	×	×	×	×	×

× Data available on request

Polycord® (High quality TPU round belts)

Diameter [mm]	Material	Hardness [SHA]	Color	Package type	Package quantity	Order code	Product name	Description	Specific weight [kg/m]	C.O.F. on steel	k8% static	k8% relaxed	Peripheral force [N]
02	TPU	87	Green	Coil	600	H010100193	E-RB02-KG POLYCORD	POLYCORD R-2	0.00	0.4	8	6	10
03	TPU	87	Green	Coil	300	H010100231	E-RB03-KG POLYCORD	POLYCORD R-3	0.01	0.4	18	13	23
04	TPU	87	Green	Coil	250	H010100156	E-RB04-KG POLYCORD	POLYCORD R-4	0.02	0.4	32	23	41
05	TPU	87	Green	Coil	250	H010100191	E-RB05-KG POLYCORD	POLYCORD R-5	0.02	0.4	51	36	65
06	TPU	87	Green	Coil	250	H010100324	E-RB06-KG POLYCORD	POLYCORD R-6	0.03	0.4	73	52	93
07	TPU	87	Green	Coil	200	H010100431	E-RB07-KG POLYCORD	POLYCORD R-7	0.05	0.4	99	71	127
08	TPU	87	Green	Coil	200	H010100432	E-RB08-KG POLYCORD	POLYCORD R-8	0.06	0.4	129	92	165
10	TPU	87	Green	Coil	100	H010100268	E-RB10-KG POLYCORD	POLYCORD R-10	0.09	0.4	202	145	258
12	TPU	87	Green	Coil	100	H010100460	E-RB12-KG POLYCORD	POLYCORD R-12	0.14	0.4	291	208	372
15	TPU	87	Green	Coil	50	H010100172	E-RB15-KG POLYCORD	POLYCORD R-15	0.21	0.4	455	325	582

Habibblue (Hydrolysis resistant round belts)

Diameter [mm]	Material	Food grade	Hardness [SHA]	Color	Package type	Package quantity	Order code	Product name	Description	Specific weight [kg/m]	C.O.F. on steel	k8% static	k8% relaxed	Peripheral force [N]
3	TPU+	●	87	Cobalt blue	Coil	300	H090031186	E-RB03-HC-C300 HABIBLUE	HABIBLUE R-3	0.01	0.4	13	8	15
4	TPU+	●	87	Cobalt blue	Coil	250	H090031187	E-RB04-HC-C250 HABIBLUE	HABIBLUE R-4	0.01	0.4	23	15	27
5	TPU+	●	87	Cobalt blue	Coil	250	H090031185	E-RB05-HC-C250 HABIBLUE	HABIBLUE R-5	0.02	0.4	35	24	42
6	TPU+	●	87	Cobalt blue	Coil	250	H090031188	E-RB06-HC-C250 HABIBLUE	HABIBLUE R-6	0.03	0.4	51	34	61
8	TPU+	●	87	Cobalt blue	Coil	200	H090031189	E-RB08-HC-C200 HABIBLUE	HABIBLUE R-8	0.06	0.4	90	61	109
10	TPU+	●	87	Cobalt blue	Coil	100	H090031190	E-RB10-HC-C100 HABIBLUE	HABIBLUE R-10	0.09	0.4	141	95	170
12	TPU+	●	87	Cobalt blue	Coil	100	H090031191	E-RB12-HC-C100 HABIBLUE	HABIBLUE R-12	0.12	0.4	203	137	244

Polywhite (Food grade round belts)

Diameter [mm]	Material	Food grade	Hardness [SHA]	Color	Package type	Package quantity	Order code	Product name	Description	Specific weight [kg/m]	C.O.F. on steel	k8% static	k8% relaxed	Peripheral force [N]
3	TPU	●	85	White	Coil	300	H090031143	E-RB03-FW-C300 POLYWHITE	POLYWHITE R-3 FW	0.01	0.4	13	8	15
4	TPU	●	85	White	Coil	250	H090031144	E-RB04-FW-C250 POLYWHITE	POLYWHITE R-4 FW	0.02	0.4	22	15	27
5	TPU	●	85	White	Coil	250	H090031145	E-RB05-FW-C250 POLYWHITE	POLYWHITE R-5 FW	0.03	0.4	37	24	42
6	TPU	●	85	White	Coil	250	H090031146	E-RB06-FW-C250 POLYWHITE	POLYWHITE R-6 FW	0.04	0.4	52	34	61
7	TPU	●	85	White	Coil	200	H090031147	E-RB07-FW-C200 POLYWHITE	POLYWHITE R-7 FW	0.05	0.4	70	46	83
8	TPU	●	85	White	Coil	200	H090031148	E-RB08-FW-C200 POLYWHITE	POLYWHITE R-8 FW	0.06	0.4	93	61	109
10	TPU	●	85	White	Coil	100	H090031149	E-RB10-FW-C100 POLYWHITE	POLYWHITE R-10 FW	0.09	0.4	143	95	170
12	TPU	●	85	White	Coil	100	H090031150	E-RB12-FW-C100 POLYWHITE	POLYWHITE R-12 FW	0.1	0.4	206	137	244
15	TPU	●	85	White	Coil	50	H090031151	E-RB15-FW-C50 POLYWHITE	POLYWHITE R-15 FW	0.21	0.4	322	213	382

Habiring (Endless round belts)

Diameter [mm]	Material	Hardness [SHA]	Color	Package type	Package quantity	Order code	Product name	Description
2.0x118	TPU	87	Green	Box	1000	S090031650	M-RB2.0x118-KG-B1000 HABIRING	HABIRING R-2.0 X152
2.0x128	TPU	87	Green	Box	1000	S090031651	M-RB2.0x128-KG-B1000 HABIRING	HABIRING R-2.0 X153
2.0x147	TPU	87	Green	Box	1000	S090031610	M-RB2.0x147-KG-B1000 HABIRING	HABIRING R-2.0 X147
2.5x078	TPU	87	Cobalt blue	Box	1000	S090031615	M-RB2.5x078-KC-B1000 HABIRING	HABIRING R-2.0 X148
2.5x078	TPU	87	Green	Box	1000	S090031652	M-RB2.5x078-KG-B1000 HABIRING	HABIRING R-2.0 X154
2.5x078	TPU	87	Yellow	Box	1000	S090031665	M-RB2.5x078-KY-B1000 HABIRING	HABIRING R-2.0 X161
2.7x268	TPU	87	Cobalt blue	Box	1000	S090031616	M-RB2.7x268-KC-B1000 HABIRING	HABIRING R-2.0 X149
2.7x268	TPU	87	Yellow	Box	1000	S090031663	M-RB2.7x268-KY-B1000 HABIRING	HABIRING R-2.0 X159
2.7x307	TPU	87	Cobalt blue	Box	1000	S090031617	M-RB2.7x307-KC-B1000 HABIRING	HABIRING R-2.0 X150
2.7x307	TPU	87	Yellow	Box	1000	S090031664	M-RB2.7x307-KY-B1000 HABIRING	HABIRING R-2.0 X160
3.0x140	TPU	87	Green	Box	1000	S090031654	M-RB3.0x140-KG-B1000 HABIRING	HABIRING R-2.0 X155
3.0x155	TPU	87	Green	Box	1000	S090031658	M-RB3.0x155-KG-B1000 HABIRING	HABIRING R-2.0 X157
3.0x175	TPU	87	Green	Box	1000	S090031657	M-RB3.0x175-KG-B1000 HABIRING	HABIRING R-2.0 X156
3.0x175	TPU	87	Natural	Box	1000	S090031950	M-RB3.0x175-KN-B1000 HABIRING	HABIRING R-2.0 X180
3.0x245	TPU	87	Green	Box	1000	S090031662	M-RB3.0x245-KG-B1000 HABIRING	HABIRING R-2.0 X158
3.2x133	TPU	87	Green	Box	1000	S090031688	M-RB3.2x133-KG-B1000 HABIRING	HABIRING R-2.0 X162
3.5x207	TPU	87	Natural	Box	1000	S090031690	M-RB3.5x207-KN-B1000 HABIRING	HABIRING R-2.0 X163
4.0x112	TPU	87	Green	Box	1000	S090031705	M-RB4.0x112-KG-B1000 HABIRING	HABIRING R-2.0 X164
4.0x122	TPU	87	Green	Box	1000	S090031710	M-RB4.0x122-KG-B1000 HABIRING	HABIRING R-2.0 X165
4.0x258	TPU	87	Cobalt blue	Box	1000	S090031618	M-RB4.0x258-KC-B1000 HABIRING	HABIRING R-2.0 X151
5.0x123	TPU	87	Green	Box	1000	S090031761	M-RB5.0x123-KG-B1000 HABIRING	HABIRING R-2.0 X167
5.0x182	TPU	87	Green	Box	1000	S090031763	M-RB5.0x182-KG-B1000 HABIRING	HABIRING R-2.0 X168
5.0x196	TPU	87	Green	Box	1000	S090031760	M-RB5.0x196-KG-B1000 HABIRING	HABIRING R-2.0 X166
6.0x095	TPU	87	Green	Box	1000	S090031810	M-RB6.0x095-KG-B1000 HABIRING	HABIRING R-2.0 X169
6.0x119	TPU	87	Green	Box	1000	S090031811	M-RB6.0x119-KG-B1000 HABIRING	HABIRING R-2.0 X170
6.0x130	TPU	87	Green	Box	1000	S090031812	M-RB6.0x130-KG-B1000 HABIRING	HABIRING R-2.0 X171
6.0x142	TPU	87	Green	Box	1000	S090031813	M-RB6.0x142-KG-B1000 HABIRING	HABIRING R-2.0 X172
6.0x200	TPU	87	Green	Box	1000	S090031814	M-RB6.0x200-KG-B1000 HABIRING	HABIRING R-2.0 X173
6.5x445	TPU	87	Green	Box	1000	S090031930	M-RB6.5x445-KG-B1000 HABIRING	HABIRING R-2.0 X179
7.0x119	TPU	87	Green	Box	1000	S090031853	M-RB7.0x119-KG-B1000 HABIRING	HABIRING R-2.0 X174
7.0x128	TPU	87	Green	Box	1000	S090031860	M-RB7.0x128-KG-B1000 HABIRING	HABIRING R-2.0 X175
7.0x130	TPU	87	Green	Box	1000	S090031861	M-RB7.0x130-KG-B1000 HABIRING	HABIRING R-2.0 X176
7.0x170	TPU	87	Green	Box	1000	S090031863	M-RB7.0x170-KG-B1000 HABIRING	HABIRING R-2.0 X178
7.0x173	TPU	87	Green	Box	1000	S090031862	M-RB7.0x173-KG-B1000 HABIRING	HABIRING R-2.0 X177

Habipur

Width [mm]	Material	Hardness [SHA]	Color	Package type	Package quantity	Order code	Product name	Description	Specific weight [kg/m]	Peripheral force [N]	Minimum pulley Ø [mm]
10	TPU	87	Green	Coil	200	H090033110	E-VT10-KG-C200 HABIPUR	HABIPUR V-10UXG-85	0.06	40	55
13	TPU	87	Green	Coil	100	H090033113	E-VT13-KG-C100 HABIPUR	HABIPUR V-13UXG-85	0.1	70	65
13	TPU	87	Red	Coil	100	S090033114	E-VT13-KR-C100 HABIPUR	HABIPUR V-13 UXR 85	0.1	70	65
17	TPU	87	Green	Coil	50	H090033117	E-VT17-KG-C50 HABIPUR	HABIPUR V-17UXG-85	0.17	130	80
17	TPU	87	Red	Coil	50	S090033118	E-VT17-KR-C50 HABIPUR	HABIPUR V-17UXR-85	0.17	130	80
22	TPU	87	Green	Coil	50	H090033122	E-VT22-KG-C50 HABIPUR	HABIPUR V-22UXG-85	0.28	240	130
Grip top											
10	TPU	87	Green	Coil	50	H090033410	E-VT10-KG-C50+G HABIPUR	HABIPUR V-10UGG-85	0.09	40	65
13	TPU	87	Green	Coil	50	H090033413	E-VT13-KG-C50+G HABIPUR	HABIPUR V-13UGG-85	0.14	50	75
17	TPU	87	Green	Coil	50	H090033417	E-VT17-KG-C50+G HABIPUR	HABIPUR V-17UGG-85	0.24	120	87
22	TPU	87	Green	Coil	50	H090033422	E-VT22-KG-C50+G HABIPUR	HABIPUR V-22UGG-85	0.36	160	130
Reinforced											
13	TPU	87	Cobalt blue	Coil	100	H090033613	E-VR13-KC-C100 HABIPUR	HABIPUR VR-13UXS-85	0.1	230	75
17	TPU	87	Cobalt blue	Coil	50	H090033617	E-VR17-KC-C50 HABIPUR	HABIPUR VR-17UXS-85	0.18	320	100
17	TPU	87	Red	Coil	50	S090033619	E-VR17-KR-C50 HABIPUR	HABIPUR VR-17UXR-85	0.18	320	100
22	TPU	87	Cobalt blue	Coil	50	H090033622	E-VR22-KC-C50 HABIPUR	HABIPUR VR-22UXS-85	0.28	410	130
Reinforced + grip top											
13	TPU	87	Cobalt blue	Coil	50	H090033631	E-VR13-KC-C50+G HABIPUR	HABIPUR VR-13UGS-85	0.15	180	60
17	TPU	87	Cobalt blue	Coil	50	H090033632	E-VR17-KC-C50+G HABIPUR	HABIPUR VR-17UGS-85	0.24	230	80
22	TPU	87	Cobalt blue	Coil	50	S090033633	E-VR22-KC-C50+G HABIPUR	VR-22 UGS 85	x	x	x

Crested Habipur

Width [mm]	Material	Hardness [SHA]	Color	Package type	Package quantity	Order code	Product name	Description	Specific weight [kg/m]	Peripheral force [N]	Minimum pulley Ø [mm]
17	TPU	87	Green	Coil	100	H090033317	E-VC17-KG-C100 HABIPUR	HABIPUR V-17UCG-85	0.28	340	175
22	TPU	87	Green	Coil	30	H090033322	E-VC22-KG-C30 HABIPUR	HABIPUR V-22UCG-85	0.45	410	225
Reinforced											
17	TPU	87	Cobalt blue	Coil	50	H090033647	E-VS17-KC-C50 HABIPUR	HABIPUR VR-17UCS-85	0.28	320	160
22	TPU	87	Cobalt blue	Coil	50	H090033652	E-VS22-KC-C50 HABIPUR	HABIPUR VR-22UCS-85	0.42	450	180

Raised Habipur

Width [mm]	Material	Hardness [SHA]	Color	Package type	Package quantity	Order code	Product name	Description	Specific weight [kg/m]	Peripheral force [N]	Minimum pulley Ø [mm]
10	TPU	87	Green	Coil	100	H090033210	E-VU10-KG-C100 HABIPUR	HABIPUR V-10URG-85	0.09	60	70
13	TPU	87	Green	Coil	100	H090033213	E-VU13-KG-C100 HABIPUR	HABIPUR V-13URG-85	0.12	70	80
17	TPU	87	Green	Coil	50	H090033217	E-VU17-KG-C50 HABIPUR	HABIPUR V-17URG-85	0.22	150	90

x Data available on request

T-shape belts

Width [mm]	Material	Food grade	Hardness [SHA]	Color	Package type	Package quantity	Order code	Product name	Description	Specific weight [kg/m]	Peripheral force [N]	Minimum pulley Ø [mm]
12	TPU+	•	83	White	Coil	200	H090035619	E-TT12-GW-C200	T-12x5HXW	0.6	12.7	40
	TPU+	•	83	Cobalt blue	Coil	200	H090035620	E-TT12-GC-C200	T-12x5HXC	0.6	12.7	40
	TPU		85	White	Coil	50	S090035608	E-TT12-KW-C50 HABIPUR	T-12x5UXW	×	×	×
25	TPU		85	White	Coil	50	S090035604	E-TT25-KW-C50 HABIPUR	T-25x5UXW	×	×	×
	TPU		85	Green	Coil	200	S090035605	E-TT25-KG-C200 HABIPUR	T-25x5UXG	×	×	×
	TPU+	•	87	Cobalt blue	Coil	100	H090035601	E-TT25-HC-C100 HABIBLUE	T-25x5HXC	0.8	12.7	40
	TPU+	•	87	White	Coil	100	H090035618	E-TT25-HW-C100 HABIBLUE	T-25x5HXW	0.8	12.7	40
28	TPU+	•	87	Cobalt blue	Coil	100	H090035617	E-TT28-HC-C100 HABIBLUE	TT-28x5HXC	0.09	11.7	50

Flat belts

Thickness [mm]	Material	Food grade	Hardness [SHA]	Color	Package type	Package quantity	Order code	Product name	Description	Specific weight [kg/m]	Top surface	Bottom surface
1.3	TPU+	•	87	Cobalt blue	Coil	100	H090060057	E-FB13-HC-C100	FLAT PQH-250/1.35XC85	0.5	Smooth	Smooth
	TPU+	•	87	White	Coil	100	H090060056	E-FB13-HW-C100	FLAT PQH-250/1.35XW85	0.5		
	TPU		65	Transparent	Coil	100	H090060139	E-FB13-WT-C100	FLAT PQF-250/2.00XT60	0.5		
	TPU	•	85	Cobalt blue	Coil	100	S090060046	E-FB13-FC-C100	FLAT PQF-250/1.35XC85	0.5		
	TPU	•	85	Dark green	Coil	100	S090060042	E-FB13-FD-C100	FLAT PQF-250/1.35XD85	0.5		
	TPU	•	85	White	Coil	100	S090060041	E-FB13-FW-C100	FLAT PQF-250/1.35XW85	0.5		
	TPU	•	85	Green	Coil	100	S090060040	E-FB13-FG-C100	FLAT PQF-250/1.35XG85	0.5		
1.6	TPU		65	Transparent	Coil	100	H090060082	E-FB16-WT-C100	FLAT PQF-250/1.60XT60	0.6		
1.7	TPU	•	85	White	Coil	100	H090060096	E-FB17-FW-C100	FLAT PQF-250/1.70XW85	0.6		
2	TPU		65	Transparent	Coil	100	H090060083	E-FB20-WT-C100	FLAT PQF-250/2.00XT60	0.67		
	TPU	•	85	Yellow	Coil	100	S090031380	E-FB20-FY-C100	FLAT PQF-250/2.00XY85	0.67		
	TPU	•	85	Transparent	Coil	100	H090060134	E-FB20-FT-C100	FLAT PQF-250/2.00XT85	0.67		
	TPU	•	85	Cobalt blue	Coil	100	H090060079	E-FB20-FC-C100	FLAT PQF-250/2.00XC85	0.67		
	TPU	•	85	White	Coil	100	H090060047	E-FB20-FW-C100	FLAT PQF-250/2.00XW85	0.67		
	TPU		92	Natural	Coil	100	H090060087	E-FB20-TN-C100	FLAT PQF-250/2.00XN92	0.67		
	TPEE	•	55	Red	Coil	100	H090060104	E-FB20-ER-C100	FLAT PQE-250/2.00XR55	0.67		
2.2	TPU+	•	87	Cobalt blue	Coil	100	H090060100	E-FB22-HC-C100	FLAT PQH-250/2.20XC85	×		
	TPU+	•	87	White	Coil	100	H090060099	E-FB22-HW-C100	FLAT PQH-250/2.20XW85	×		
3	TPU		65	Transparent	Coil	50	H090060084	E-FB30-WT-C50	FLAT PQF-250/3.00XT60	0.96		
	TPU	•	85	Transparent	Coil	50	H090060102	E-FB30-FT-C50	FLAT PQF-250/3.00XT85	0.96		
	TPU	•	85	White	Coil	50	H090060097	E-FB30-FW-C50	FLAT PQF-250/3.00XW85	0.96		
	TPU	•	85	Cobalt blue	Coil	50	H090060080	E-FB30-FC-C50	FLAT PQF-250/3.00XC85	0.96		
	TPU		92	Natural	Coil	50	H090060088	E-FB30-TN-C50	FLAT PQF-250/3.00XN92	0.96		
	TPEE	•	55	Red	Coil	50	H090060105	E-FB30-ER-C50	FLAT PQF-250/3.00XR55	0.96		
	PVC		65	Anthracite	Coil	50	H090034902	E-FB30-SA-C50	FLAT PRS-250/3.00XA65	0.23		

× Data available on request

Flat belts cont.

Thickness [mm]	Material	Food grade	Hardness [SHA]	Color	Package type	Package quantity	Order code	Product name	Description	Specific weight [kg/m]	Top surface	Bottom surface
4	TPU		65	Transparent	Coil	50	H090060085	E-FB40-WT-C50	FLAT PQF-250/4.00XT60	1.25		
	TPU	•	85	Dark green	Coil	50	H090060129	E-FB40-FD-C50	FLAT PQF-250/4.00XD85	1.25		
	TPU	•	85	White	Coil	50	H090060048	E-FB40-FW-C50	FLAT PQF-250/4.00XW85	1.25		
	TPU		92	Natural	Coil	50	H090060089	E-FB40-TN-C50	FLAT PQF-250/4.00XN92	1.25		
	PVC	•	65	Cobalt blue	Coil	50	H090060127	E-FB40-RC-C50	FLAT PQV-250/4.00XC65	0.55		
	PVC	•	65	Dark green	Coil	50	H090060126	E-FB40-RD-C50	FLAT PQV-250/4.00XD65	0.55		
	PVC	•	65	White	Coil	50	H090060091	E-FB40-RW-C50	FLAT PQV-250/4.00XW65	0.55		
5	TPU+	•	87	Cobalt blue	Coil	25	H090060060	E-FB50-HC-C25	FLAT PQH-250/5.00XC85	×	Smooth	Smooth
	TPU+	•	87	White	Coil	50	H090060059	E-FB50-HW-C50	FLAT PQH-250/5.00XW85	×		
	TPU		65	Transparent	Coil	25	H090060086	E-FB50-WT-C25	FLAT PQF-250/5.00XT60	1.53		
	TPU	•	85	White	Coil	50	H090060128	E-FB50-FW-C50	FLAT PQF-250/5.00XW85 (Coil 50M)	1.53		
	TPU	•	85	Cobalt blue	Coil	25	H090060098	E-FB50-FC-C25	FLAT PQF-250/5.00XC85	1.53		
	TPU	•	85	White	Coil	25	H090060049	E-FB50-FW-C25	FLAT PQF-250/5.00XW85	1.53		
	TPU		92	Natural	Coil	25	H090060090	E-FB50-TN-C25	FLAT PQF-250/5.00XN92	1.66		
	TPU	•	95	Cobalt blue	Coil	25	H090060131	E-FB50-YC-C25	FLAT PQF-250/5.00XC95	×		
Embossing impression covers												
2	TPU	•	85	Cobalt blue	Coil	100	H090037286	E-FB20-FC-C100+E(EH/T)	FLAT PQF-250/2.00XC85 EH/T	0.62	Extra Fine	Honeycomb
	TPU		65	Red	Coil	100	H090060130	E-FB20-WR-C100+E(S/H)	FLAT PQF-250/2.00XR60 S/H	0.62	Smooth	Fine
	TPU	•	85	Cobalt blue	Coil	100	H090060042	E-FB20-FC-C100+E(S/H)	FLAT PQF-250/2.00XC85 S/H	0.62	Smooth	Fine
	TPU	•	85	Cobalt blue	Coil	100	H090060041	E-FB20-FC-C100+E(S/HT)	FLAT PQF-250/2.00XC85 S/HT	0.62	Smooth	Cone Top
	TPU		85	Green	Coil	100	S090039009	E-FB20-KG-C100+E(S/LG)	FLAT PQF-250/2.00XG85 S/LG	0.62	Smooth	Long. Grooves
	TPU	•	85	Cobalt blue	Coil	100	H090060043	E-FB20-FC-C100+E(S/T)	FLAT PQF-250/2.00XC85 S/T	0.62	Smooth	Honeycomb

× Data available on request

PT

Height [mm]	Material	Food grade	Hardness [SHA]	Color	Package type	Package quantity	Order code	Product name	Description	Specific weight [kg/m]	B [mm]	H [mm]	Minimum pulley Ø [mm]
20	TPU	●	85	Cobalt blue	Box	156	H090060144	E-PT20-FC-B156	PTF-20C	0.17	20	20	80
	TPU	●	85	Green	Box	156	H090035260	E-PT20-FG-B156	PTF-20G	0.17	20	20	80
	TPU	●	85	White	Box	156	H090035160	E-PT20-FW-B156	PTF-20W	0.17	20	20	80
	PVC	●	65	White	Box	156	H090060070	E-PT20-RW-B156	PTR-20W	0.17	20	20	90
	PVC		65	Dark green	Box	156	H090034760	E-PT20-SD-B156	PTS-20D	0.17	20	20	90
	PVC		65	Anthracite	Box	156	H090034160	E-PT20-SA-B156	PTS-20A	0.17	20	20	90
30	TPU	●	85	Cobalt blue	Box	72	H090060145	E-PT30-FC-B72	PTF-30C	0.37	30	30	90
	TPU	●	85	Green	Box	72	H090035263	E-PT30-FG-B72	PTF-30G	0.37	30	30	90
	TPU	●	85	White	Box	72	H090035163	E-PT30-FW-B72	PTF-30W	0.37	30	30	90
	PVC	●	65	Dark green	Box	72	H090060108	E-PT30-RD-B72	PTR-30D	0.37	30	30	100
	PVC	●	65	White	Box	72	H090060071	E-PT30-RW-B72	PTR-30W	0.37	30	30	100
	PVC	●	65	Cobalt blue	Box	72	H090034820	E-PT30-RC-B72	PTR-30C	0.37	30	30	100
	PVC		65	Dark green	Box	72	H090034763	E-PT30-SD-B72	PTS-30D	0.37	30	30	100
	PVC		65	Anthracite	Box	72	H090034163	E-PT30-SA-B72	PTS-30A	0.37	30	30	100
40	TPU	●	85	Cobalt blue	Box	60	H090060146	E-PT40-FC-B60	PTF-40C	0.48	30	40	110
	TPU	●	85	Green	Box	60	H090035266	E-PT40-FG-B60	PTF-40G	0.48	30	40	110
	TPU	●	85	White	Box	60	H090035166	E-PT40-FW-B60	PTF-40W	0.48	30	40	110
	PVC	●	65	White	Box	60	H090060072	E-PT40-RW-B60	PTR-40W	0.48	30	40	100
	PVC	●	65	Cobalt blue	Box	60	H950019715	E-PT40-RC-B60	PTR-40C	0.48	30	40	100
	PVC		65	Dark green	Box	60	H090034766	E-PT40-SD-B60	PTS-40D	0.48	30	40	100
	PVC		65	Anthracite	Box	60	H090034166	E-PT40-SA-B60	PTS-40A	0.48	30	40	100
	50	TPU	●	85	Cobalt blue	Box	36	H090060147	E-PT50-FC-B36	PTF-50C	0.75	35	50
TPU		●	85	Green	Box	36	H090035269	E-PT50-FG-B36	PTF-50G	0.75	35	50	140
TPU		●	85	White	Box	36	H090035169	E-PT50-FW-B36	PTF-50W	0.75	35	50	140
PVC		●	65	Dark green	Box	36	H090060109	E-PT50-RD-B36	PTR-50D	0.75	35	50	120
PVC		●	65	Cobalt blue	Box	36	H090034821	E-PT50-RC-B36	PTR-50C	0.75	35	50	120
PVC		●	65	White	Box	36	H090034813	E-PT50-RW-B36	PTR-50W	0.75	35	50	120
PVC			65	Dark green	Box	36	H090034769	E-PT50-SD-B36	PTS-50D	0.75	35	50	120
PVC			65	Anthracite	Box	36	H090034169	E-PT50-SA-B36	PTS-50A	0.75	35	50	120
70	TPU	●	85	Cobalt blue	Box	24	H090060148	E-PT70-FC-B24	PTF-70C	1	40	70	170
	TPU	●	85	Green	Box	24	H090035275	E-PT70-FG-B24	PTF-70G	1	40	70	170
	TPU	●	85	White	Box	24	H090035175	E-PT70-FW-B24	PTF-70W	1	40	70	170
	PVC	●	65	Dark green	Box	24	H090060110	E-PT70-RD-B24	PTR-70D	1	40	70	150
	PVC	●	65	Cobalt blue	Box	24	H090034822	E-PT70-RC-B24	PTR-70C	1	40	70	150
	PVC	●	65	White	Box	24	H090034814	E-PT70-RW-B24	PTR-70W	1	40	70	150
	PVC		65	Dark green	Box	24	H090034775	E-PT70-SD-B24	PTS-70D	1	40	70	150
	PVC		65	Anthracite	Box	24	H090034175	E-PT70-SA-B24	PTS-70A	1	40	70	150

PS

Height [mm]	Material	Food grade	Hardness [SHA]	Color	Package type	Package quantity	Order code	Product name	Description	Specific weight [kg/m]	B [mm]	H [mm]	Transversal pulley Ø [mm]
3	TPU+	●	87	Cobalt blue	Box	144	H090035186	E-PS03-HC-B144	PSH-75C	×	15	75	150
	TPU+	●	87	White	Box	144	H090037287	E-PS03-HW-B144	PSH-75W	×	15	75	150
4	TPU+	●	87	Cobalt blue	Box	144	H090035171	E-PS04-HC-B144	PSH-100C	0.7	15	100	150
	TPU+	●	87	White	Box	144	H090035170	E-PS04-HW-B144	PSH-100W	0.7	15	100	150
6	TPU+	●	87	Cobalt blue	Box	72	H090035187	E-PS06-HC-B72	PSH-150C	×	15	150	150
	TPU+	●	87	White	Box	72	H090037288	E-PS06-HW-B72	PSH-150W	×	15	150	150

PQ

Height [mm]	Material	Food grade	Hardness [SHA]	Color	Package type	Package quantity	Order code	Product name	Description	Specific weight [kg/m]	B [mm]	H [mm]	Transversal pulley Ø [mm]	Longitudinal pulley Ø [mm]
4	TPU	●	85	Cobalt blue	Coil	200	H090060140	E-PQ04-FC-C200	PQF-4C	0.04	8	4	30	40
	TPU	●	85	White	Box	540	H090035105	E-PQ04-FW-B540	PQF-4W (Box)	0.04	8	4	30	40
	TPU	●	85	White	Coil	200	H090035104	E-PQ04-FW-C200	PQF-4W	0.04	8	4	30	40
	PVC		65	Anthracite	Coil	200	H090034104	E-PQ04-SA-C200	PQS-4A	0.04	8	4	30	60
8	TPU+	●	83	Cobalt blue	Box	300	H090035118	E-PQ08-GC-B300	PQH-8C	0.08	8	8	50	110
	TPU+	●	83	White	Box	300	H090035111	E-PQ08-GW-B300	PQH-8W	0.08	8	8	50	110
	TPU	●	85	Cobalt blue	Coil	100	H090060153	E-PQ08-FC-C100	PQF-8C	0.08	8	8	50	110
	TPU	●	85	Green	Box	300	H090035209	E-PQ08-FG-B300	PQF-8G (Box)	0.08	8	8	50	110
	TPU	●	85	Green	Coil	100	H090035208	E-PQ08-FG-C100	PQF-8G	0.08	8	8	50	110
	TPU	●	85	White	Box	300	H090035109	E-PQ08-FW-B300	PQF-8W (Box)	0.08	8	8	50	110
	TPU	●	85	White	Coil	100	H090035108	E-PQ08-FW-C100	PQF-8W	0.08	8	8	50	110
	TPO	●	85	White	Coil	100	H090035145	E-PQ08-CW-C100	PQC-8W	×	×	×	×	×
	PVC	●	65	Cobalt blue	Box	300	H090034817	E-PQ08-RC-B300	PQR-8C (Box)	0.08	8	8	40	80
	PVC	●	65	Cobalt blue	Coil	100	H090034816	E-PQ08-RC-C100	PQR-8C	0.08	8	8	40	80
	PVC	●	65	White	Box	300	H090034808	E-PQ08-RW-B300	PQV-8W (Box)	0.08	8	8	40	80
	PVC	●	65	White	Coil	100	H090034807	E-PQ08-RW-C100	PQR-8W	0.08	8	8	40	80
	PVC		65	Dark green	Box	300	H090034709	E-PQ08-SD-B300	PQS-8D (Box)	0.08	8	8	40	80
	PVC		65	Dark green	Coil	100	H090034708	E-PQ08-SD-C100	PQS-8D	0.08	8	8	40	80
	PVC		65	Anthracite	Box	300	H090034109	E-PQ08-SA-B300	PQS-8A (Box)	0.08	8	8	40	80
	PVC		65	Anthracite	Coil	100	H090034108	E-PQ08-SA-C100	PQS-8A	0.08	8	8	40	80

× Data available on request

PQ cont.

Height [mm]	Material	Food grade	Hardness [SHA]	Color	Package type	Package quantity	Order code	Product name	Description	Specific weight [kg/m]	B [mm]	H [mm]	Transversal pulley Ø [mm]	Longitudinal pulley Ø [mm]
12	TPU+	●	83	Cobalt blue	Box	150	H090035120	E-PQ12-GC-B150	PQH-12C	0.17	12	12	70	140
	TPU+	●	83	White	Box	150	H090035119	E-PQ12-GW-B150	PQH-12W	0.17	12	12	70	140
	TPU	●	85	Dark green	Box	150	S090035503	E-PQ12-FD-B150	PQF-12D	0.12	12	12	70	140
	TPU	●	85	Green	Box	150	H090035213	E-PQ12-FG-B150	PQF-12G (Box)	0.12	12	12	70	140
	TPU	●	85	Green	Coil	50	H090035212	E-PQ12-FG-C50	PQF-12G	0.12	12	12	70	140
	TPU	●	85	White	Box	150	H090035113	E-PQ12-FW-B150	PQF-12W (Box)	0.12	12	12	70	140
	TPU	●	85	White	Coil	50	H090035112	E-PQ12-FW-C50	PQF-12W	0.12	12	12	70	140
	TPU	●	85	Cobalt blue	Box	150	H090034824	E-PQ12-FC-B150	PQF-12C (Box)	0.12	12	12	70	140
	TPU	●	85	Cobalt blue	Coil	50	H090034823	E-PQ12-FC-C50	PQF-12C	0.12	12	12	70	140
	PVC	●	65	Cobalt blue	Box	150	H090034819	E-PQ12-RC-B150	PQR-12C (Box)	0.12	12	12	70	130
	PVC	●	65	Cobalt blue	Coil	50	H090034818	E-PQ12-RC-C50	PQR-12C	0.12	12	12	70	130
	PVC	●	65	White	Box	150	H090034810	E-PQ12-RW-B150	PQR-12W (Box)	0.12	12	12	70	130
	PVC	●	65	White	Coil	50	H090034809	E-PQ12-RW-C50	PQR-12W	0.12	12	12	70	130
	PVC		65	Dark green	Box	150	H090034713	E-PQ12-SD-B150	PQS-12D (Box)	0.12	12	12	70	130
	PVC		65	Dark green	Coil	50	H090034712	E-PQ12-SD-C50	PQS-12D	0.12	12	12	70	130
	PVC		65	Anthracite	Box	150	H090034113	E-PQ12-SA-B150	PQS-12A (Box)	0.12	12	12	70	130
	PVC		65	Anthracite	Coil	50	H090034112	E-PQ12-SA-C50	PQS-12A	0.12	12	12	70	130
	16	TPU+	●	83	Cobalt blue	Box	150	H090035122	E-PQ16-GC-B150	PQH-16C (Box)	0.23	12	16	80
TPU+		●	83	White	Box	150	H090035121	E-PQ16-GW-B150	PQH-16W (Box)	0.23	12	16	80	160
TPU		●	85	Green	Box	150	H090035217	E-PQ16-FG-B150	PQF-16G (Box)	0.17	12	16	80	160
TPU		●	85	Green	Coil	50	H090035216	E-PQ16-FG-C50	PQF-16G	0.17	12	16	80	160
TPU		●	85	White	Box	150	H090035117	E-PQ16-FW-B150	PQF-16W (Box)	0.17	12	16	80	160
TPU		●	85	White	Coil	50	H090035116	E-PQ16-FW-C50	PQF-16W	0.17	12	16	80	160
PVC		●	65	Cobalt blue	Coil	50	H090060106	E-PQ16-RC-C50	PQR-16C	0.17	12	16	80	160
PVC		●	65	White	Box	150	H090060069	E-PQ16-RW-B150	PQR-16W (Box)	0.17	12	16	80	160
PVC		●	65	White	Coil	50	H090060068	E-PQ16-RW-C50	PQR-16W	0.17	12	16	80	160
PVC		●	65	Cobalt blue	Box	50	H090034829	E-PQ16-RC-B50	PQR-16C (Box)	0.17	12	16	80	160
PVC			65	Dark green	Box	150	H090034717	E-PQ16-SD-B150	PQS-16D (Box)	0.17	12	16	80	160
PVC			65	Dark green	Coil	50	H090034716	E-PQ16-SD-C50	PQS-16D	0.17	12	16	80	160
PVC			65	Anthracite	Box	150	H090034117	E-PQ16-SA-B150	PQS-16A (Box)	0.17	12	16	80	160
PVC			65	Anthracite	Coil	50	H090034116	E-PQ16-SA-C50	PQS-16A	0.17	12	16	80	160

PN

Height [mm]	Material	Food grade	Hardness [SHA]	Color	Package type	Package quantity	Order code	Product name	Description	Specific weight [kg/m]	B [mm]	H [mm]	Transversal pulley Ø [mm]
20	TPU	●	85	Dark green	Box	144	H090037220	E-PN20-FD-B144	PNT-20D	0.08	10	20	50
	TPU	●	85	Cobalt blue	Box	144	H090035366	E-PN20-FC-B144	PNF-20C	0.08	10	20	50
	TPU	●	85	Green	Box	144	H090035360	E-PN20-FG-B144	PNF-20G	0.08	10	20	50
	TPU	●	85	White	Box	144	H090035350	E-PN20-FW-B144	PNF-20W	0.08	10	20	50
30	TPU+	●	85	Cobalt blue	Box	100	H090035357	E-PN30-HC-B100	PNH-30C	0.12	10	30	50
	TPU+	●	85	White	Box	100	H090035356	E-PN30-HW-B100	PNH-30W	0.12	10	30	50
	TPU	●	85	Cobalt blue	Box	100	H090060141	E-PN30-FC-B100	PNF-30C	0.12	10	30	50
	TPU	●	85	Dark green	Box	100	H090037223	E-PN30-FD-B100	PNT-30D	0.12	10	30	50
	TPU	●	85	Green	Box	100	H090035361	E-PN30-FG-B100	PNF-30G	0.12	10	30	50
	TPU	●	85	White	Box	100	H090035351	E-PN30-FW-B100	PNF-30W	0.12	10	30	50
40	TPU	●	85	Dark green	Box	60	H090037226	E-PN40-FD-B60	PNT-40D	0.15	10	40	50
	TPU	●	85	Green	Box	60	H090035362	E-PN40-FG-B60	PNF-40G	0.15	10	40	50
	TPU	●	85	White	Box	60	H090035352	E-PN40-FW-B60	PNF-40W	0.15	10	40	50
	TPU	●	85	Cobalt blue	Box	60	H090034825	E-PN40-FC-B60	PNF-40C	0.15	10	40	50
60	TPU+	●	85	Cobalt blue	Box	43	H090035367	E-PN60-HC-B43	PNH-60C	0.24	10	60	50
	TPU+	●	85	White	Box	43	H090035365	E-PN60-HW-B43	PNH-60W	0.24	10	60	50
	TPU	●	85	Cobalt blue	Box	43	H090037235	E-PN60-FC-B43	PNF-60C	0.24	10	60	50
	TPU	●	85	Dark green	Box	43	H090037231	E-PN60-FD-B43	PNT-60D	0.24	10	60	50
	TPU	●	85	Green	Box	43	H090035364	E-PN60-FG-B43	PNF-60G	0.24	10	60	50
	TPU	●	85	White	Box	43	H090035354	E-PN60-FW-B43	PNF-60W	0.24	10	60	50
80	TPU	●	85	Cobalt blue	Box	36	S090037234	E-PN80-FC-B36	PNF-80C	0.34	10	80	50
	TPU	●	85	Green	Box	36	H090060143	E-PN80-FG-B36	PNF-80G	0.34	10	80	50
	TPU	●	85	White	Box	36	H090060142	E-PN80-FW-B36	PNF-80W	0.34	10	80	50
	TPU	●	85	Dark green	Box	36	H090037233	E-PN80-FD-B36	PNT-80D	0.34	10	80	50

PI

Height [mm]	Material	Food grade	Hardness [SHA]	Color	Package type	Package quantity	Order code	Product name	Description	Specific weight [kg/m]	B [mm]	H [mm]	Transversal pulley Ø [mm]
105	PVC	●	65	Dark green	Box	500	H090035178	E-PI105-RD-B500	PFR-105D	0.02	20	105	60
	PVC	●	65	Cobalt blue	Box	500	H090035177	E-PI105-RC-B500	PFR-105C	0.02	20	105	60
	PVC	●	65	White	Box	500	H090035176	E-PI105-RW-B500	PFR-105W	0.02	20	105	60

PB

Height [mm]	Material	Food grade	Hardness [SHA]	Color	Package type	Package quantity	Order code	Product name	Description	Specific weight [kg/m]	B [mm]	H [mm]	Transversal pulley Ø [mm]
20	TPU	•	85	Cobalt blue	Box	120	H090060149	E-PB20-FC-B120	PBF-20C	0.11	12	20	50
	TPU	•	85	White	Box	120	H090037280	E-PB20-FW-B120	PBF-20W	0.11	12	20	50
	TPU+	•	85	Dark green	Box	120	H090037237	E-PB20-FD-B120	PBT-20D	0.11	12	20	50
30	TPU	•	85	Cobalt blue	Box	84	H090060150	E-PB30-FC-B84	PBF-30C	0.15	12	30	50
	TPU	•	85	White	Box	84	H090037281	E-PB30-FW-B84	PBF-30W	0.15	12	30	50
	TPU+	•	85	Dark green	Box	84	H090037238	E-PB30-FD-B84	PBT-30D	0.15	12	30	50
40	TPU	•	85	Cobalt blue	Box	60	H090060151	E-PB40-FC-B60	PBF-40C	0.19	12	40	50
	TPU	•	85	White	Box	60	H090037282	E-PB40-FW-B60	PBF-40W	0.19	12	40	50
	TPU+	•	85	Dark green	Box	60	H090037239	E-PB40-FD-B60	PBT-40D	0.19	12	40	50
50	TPU	•	85	Cobalt blue	Box	48	H090060152	E-PB50-FC-B48	PBF-50C	0.25	12	50	50
	TPU	•	85	White	Box	48	H090037283	E-PB50-FW-B48	PBF-50W	0.25	12	50	50
	TPU+	•	85	Dark green	Box	48	H090037240	E-PB50-FD-B48	PBT-50D	0.25	12	50	50

Tracking guides

PV

Width [mm]	Material	Food grade	Hardness [SHA]	Color	Package type	Package quantity	Order code	Part number	Description	Specific weight [kg/m]	B [mm]	H [mm]	Conv. side transversal pulley Ø [mm]	Conv. side longitudinal pulley Ø [mm]	Running side longitudinal pulley Ø [mm]
6	TPU+	•	83	White	Coil	300	H090035182	E-PV06-GW-C300	PVH-6W	0.03	6	4	60	70	60
	TPU+	•	83	Cobalt blue	Coil	300	H090035180	E-PV06-GC-C300	PVH-6C	0.03	6	4	60	70	60
	TPU		65	Transparent	Coil	300	H090035150	E-PV06-WT-C300	PVU-6T	0.03	6	4	30	80	50
	TPU	•	85	White	Coil	200	H090060078	E-PV06-FW-C200	PVF-6W	0.03	6	4	x	50	40
	TPEE	•	55	White	Coil	200	H090035144	E-PV06-EW-C200	PVE-6W	x	x	x	x	x	x
	PVC	•	65	Cobalt blue	Coil	300	H090060116	E-PV06-RC-C300	PVR-6C	0.03	6	4	30	70	40
	PVC	•	65	Dark green	Coil	300	H090060111	E-PV06-RD-C300	PVR-6D	0.03	6	4	30	70	40
	PVC	•	65	White	Coil	300	H090060065	E-PV06-RW-C300	PVR-6W	0.03	6	4	30	70	40
	PVC		65	Dark green	Coil	300	H090034727	E-PV06-SD-C300	PVS-6D	0.03	6	4	30	70	40
	PVC		65	Anthracite	Coil	300	H090034126	E-PV06-SA-C300	PVS-6A	0.03	6	4	30	70	40
8	TPU+	•	83	White	Coil	200	H090035185	E-PV08-GW-C200	PVH-8W	0.04	8	5	70	90	70
	TPU+	•	83	Cobalt blue	Coil	200	H090035181	E-PV08-GC-C200	PVH-8C	0.04	8	5	70	90	70
	TPU		65	Transparent	Coil	200	H090035140	E-PV08-WT-C200	PVU-8T	x	x	x	x	x	x
	TPU	•	85	White	Coil	200	H090035129	E-PV08-FW-C200	PVF-8W	0.04	8	5	50	80	50
	TPU	•	85	Cobalt blue	Coil	200	H090034826	E-PV08-FC-C200	PVF-8C	0.04	8	5	50	80	50
	TPEE	•	55	White	Coil	200	H090035147	E-PV08-EW-C200	PVE-8W	x	x	x	x	x	x
	PVC	•	65	Cobalt blue	Coil	200	H090060117	E-PV08-RC-C200	PVR-8C	0.04	8	5	40	100	50
	PVC	•	65	Dark green	Coil	200	H090060112	E-PV08-RD-C200	PVR-8D	0.04	8	5	40	100	50
	PVC	•	65	White	Coil	200	H090060066	E-PV08-RW-C200	PVR-8W	0.04	8	5	40	100	50
	PVC		65	Dark green	Coil	200	H090034725	E-PV08-SD-C200	PVS-8D	0.04	8	5	40	100	50
PVC		65	Anthracite	Coil	200	H090034124	E-PV08-SA-C200	PVS-8A	0.04	8	5	40	100	50	

x Data available on request

PV cont.

Width [mm]	Material	Food grade	Hardness [SHA]	Color	Package type	Package quantity	Order code	Part number	Description	Specific weight [kg/m]	B [mm]	H [mm]	Conv. side transversal pulley Ø [mm]	Conv. side longitudinal pulley Ø [mm]	Running side longitudinal pulley Ø [mm]
10	TPU+	•	83	White	Coil	200	H090035183	E-PV10-GW-C200	PVH-10W	0.06	10	6	90	120	90
	TPU+	•	83	Cobalt blue	Coil	200	H090035179	E-PV10-GC-C200	PVH-10C	0.06	10	6	90	120	90
	TPU		65	Transparent	Coil	200	H090035151	E-PV10-WT-C200	PVU-10T	0.06	10	6	50	100	60
	TPU	•	85	Green	Coil	200	H090035230	E-PV10-FG-C200	PVF-10G	0.06	10	6	50	110	60
	TPU	•	85	White	Coil	200	H090035130	E-PV10-FW-C200	PVF-10W	0.06	10	6	50	110	60
	TPU	•	85	Cobalt blue	Coil	200	H090034827	E-PV10-FC-C200	PVF-10C	0.06	10	6	50	110	60
	TPEE	•	55	White	Coil	200	H090035148	E-PV10-EW-C200	PVD-10W	x	x	x	x	x	x
	PVC		55	Anthracite	Coil	200	H090034630	E-PV10-OA-C200	PVO-10A	0.06	10	6	40	100	50
	PVC	•	65	Cobalt blue	Coil	200	H090060118	E-PV10-RC-C200	PVR-10C	0.06	10	6	40	120	60
	PVC	•	65	Dark green	Coil	200	H090060113	E-PV10-RD-C200	PVR-10D	0.06	10	6	40	120	60
	PVC	•	65	White	Coil	200	H090034811	E-PV10-RW-C200	PVR-10W	0.06	10	6	40	120	60
	PVC		65	Dark green	Coil	200	H090034730	E-PV10-SD-C200	PVS-10D	0.06	10	6	40	120	60
	PVC		65	Anthracite	Coil	200	H090034130	E-PV10-SA-C200	PVS-10A	0.06	10	6	40	120	60
	13	TPU+	•	83	White	Coil	100	H090035184	E-PV13-GW-C100	PVH-13W	0.1	13	8	120	150
TPU+		•	83	Cobalt blue	Coil	100	H090035174	E-PV13-GC-C100	PVH-13C	0.1	13	8	120	150	120
TPU			65	Transparent	Coil	100	H090035152	E-PV13-WT-C100	PVU-13T	0.1	13	8	80	120	80
TPU		•	85	Green	Coil	100	H090035233	E-PV13-FG-C100	PVF-13G	0.1	13	8	80	140	80
TPU		•	85	White	Coil	100	H090035133	E-PV13-FW-C100	PVF-13W	0.1	13	8	80	140	80
TPU		•	85	Cobalt blue	Coil	100	H090034828	E-PV13-FC-C100	PVF-13C	0.1	13	8	80	140	80
TPO		•	85	White	Coil	100	H090035146	E-PV13-CW-C100	PVC-13W	x	x	x	x	x	x
TPEE		•	55	White	Coil	100	H090035142	E-PV13-EW-C100	PVE-13W	x	x	x	x	x	x
PVC			55	Anthracite	Coil	100	H090034633	E-PV13-OA-C100	PVO-13A	0.1	13	8	70	140	60
PVC		•	65	Cobalt blue	Coil	100	H090060119	E-PV13-RC-C100	PVR-13C	0.1	13	8	70	140	60
PVC		•	65	Dark green	Coil	100	H090060114	E-PV13-RD-C100	PVR-13D	0.1	13	8	70	140	60
PVC		•	65	White	Coil	100	H090034812	E-PV13-RW-C100	PVR-13W	0.1	13	8	70	140	60
PVC			65	Dark green	Coil	100	H090034733	E-PV13-SD-C100	PVS-13D	0.1	13	8	70	150	80
PVC			65	Anthracite	Coil	100	H090034133	E-PV13-SA-C100	PVS-13A	0.1	13	8	70	150	80
17	TPU		65	Transparent	Coil	50	H090035153	E-PV17-WT-C50	PVU-17T	0.15	17	11	120	140	120
	TPU	•	85	Green	Coil	50	H090035237	E-PV17-FG-C50	PVF-17G	0.15	17	11	120	160	120
	TPU	•	85	White	Coil	50	H090035137	E-PV17-FW-C50	PVF-17W	0.15	17	11	120	160	120
	TPEE	•	55	White	Coil	50	H090035143	E-PV17-EW-C50	PVD-17W	x	x	x	x	x	x
	PVC		55	Anthracite	Coil	50	H090034637	E-PV17-OA-C50	PVO-17A	0.15	17	11	100	160	100
	PVC	•	65	Cobalt blue	Coil	50	H090060120	E-PV17-RC-C50	PVR-17C	0.15	17	11	100	180	120
	PVC	•	65	Dark green	Coil	50	H090060115	E-PV17-RD-C50	PVR-17D	0.15	17	11	100	180	120
	PVC	•	65	White	Coil	50	H090060067	E-PV17-RW-C50	PVR-17W	0.15	17	11	100	180	120
	PVC		65	Dark green	Coil	50	H090034737	E-PV17-SD-C50	PVS-17D	0.15	17	11	100	180	120
	PVC		65	Anthracite	Coil	50	H090034137	E-PV17-SA-C50	PVS-17A	0.15	17	11	100	180	120
22	PVC		65	Anthracite	Coil	50	H090034142	E-PV22-SA-C50	PVS-22A	0.29	22	14	120	220	170
30	PVC		55	Anthracite	Coil	25	H090034650	E-PV30-OA-C25	PVO-30A	0.59	30	16	x	200	180
	PVC		65	Anthracite	Coil	25	H090034150	E-PV30-SA-C25	PVS-30A	0.59	30	16	x	250	200

x Data available on request

PV Notched

Width [mm]	Material	Food grade	Hardness [SHA]	Color	Package type	Package quantity	Order code	Part number	Description	Specific weight [kg/m]	B [mm]	H [mm]	Conv. side transversal pulley Ø [mm]	Conv. side longitudinal pulley Ø [mm]	Running side longitudinal pulley Ø [mm]
6	TPU+	●	83	Cobalt blue	Coil	300	H090060040	E-PV06-GC-C300+N	PVH-6C N						
	TPU+	●	83	White	Coil	300	H090060039	E-PV06-GW-C300+N	PVH-6W N						
	TPU		65	Natural	Coil	300	S090035159	E-PV06-WN-C300+N	PVU-6N	0.03	6	4	30	65	50
	PVC	●	65	White	Coil	300	H090060073	E-PV06-RW-C300+N	PVR-6W-N	0.03	6	4	30	60	40
	PVC		65	Anthracite	Coil	300	H090034128	E-PV06-SA-C300+N	PVS-6A-N	0.03	6	4	30	60	40
8	TPU	●	85	White	Coil	200	H090035128	E-PV08-FW-C200+N	PVF-8W-N	0.04	8	5	50	70	50
	PVC	●	65	White	Coil	200	H090060074	E-PV08-RW-C200+N	PVR-8W-N	0.04	8	5	40	80	40
	PVC		65	Dark green	Coil	200	H090034726	E-PV08-SD-C200+N	PVS-8D-N	0.04	8	5	40	80	40
	PVC		65	Anthracite	Coil	200	H090034125	E-PV08-SA-C200+N	PVS-8A-N	0.04	8	5	40	80	40
10	TPU		65	Transparent	Coil	200	H090035158	E-PV10-WT-C200+N	PVU-10T-N	0.05	10	6	50	80	60
	TPU	●	85	Green	Coil	200	H090035232	E-PV10-FG-C200+N	PVF-10G-N	0.05	10	6	50	90	60
	TPU	●	85	White	Coil	200	H090035132	E-PV10-FW-C200+N	PVF-10W-N	0.05	10	6	50	90	60
	PVC		55	Anthracite	Coil	200	H090034632	E-PV10-OA-C200+N	PVO-10A-N	0.06	10	6	40	90	40
	PVC	●	65	White	Coil	200	H090060075	E-PV10-RW-C200+N	PVR-10W-N	0.06	10	6	40	100	50
	PVC		65	Dark green	Coil	200	H090034732	E-PV10-SD-C200+N	PVS-10D-N	0.06	10	6	40	100	50
	PVC		65	Anthracite	Coil	200	H090034132	E-PV10-SA-C200+N	PVS-10A-N	0.06	10	6	40	100	50
13	TPU		65	Transparent	Coil	100	S090035156	E-PV13-WT-C100+N	PVU-13T-N	0.09	13	8	80	120	80
	TPU	●	85	Green	Coil	100	H090035234	E-PV13-FG-C100+N	PVF-13G-N	0.09	13	8	80	120	80
	TPU	●	85	White	Coil	100	H090035135	E-PV13-FW-C100+N	PVF-13W-N	0.09	13	8	80	120	80
	PVC		55	Anthracite	Coil	100	H090034635	E-PV13-OA-C100+N	PVO-13A-N	0.09	13	8	70	120	50
	PVC	●	65	White	Coil	100	H090060076	E-PV13-RW-C100+N	PVR-13W-N	0.09	13	8	70	130	60
	PVC		65	Dark green	Coil	100	H090034735	E-PV13-SD-C100+N	PVS-13D-N	0.09	13	8	70	130	60
	PVC		65	Anthracite	Coil	100	H090034135	E-PV13-SA-C100+N	PVS-13A-N	0.09	13	8	70	130	60
17	TPU		65	Transparent	Coil	50	H090035157	E-PV17-WT-C50+N	PVU-17T-SN	×	×	×	×	×	×
	TPU	●	85	White	Coil	55	H090060101	E-PV17-FW-C55+N	PVF-17W-N (Coil 55M)	0.13	17	11	120	140	120
	TPU	●	85	Green	Coil	50	H090035239	E-PV17-FG-C50+N	PVF-17G-N	0.13	17	11	120	140	120
	TPU	●	85	White	Coil	50	H090035139	E-PV17-FW-C50+N	PVF-17W-N	0.13	17	11	120	140	120
	TPU		92	White	Coil	50	H090035141	E-PV17-TW-C50+N	PVF-17W92-SN	×	×	×	×	×	×
	PVC		55	Anthracite	Coil	50	H090034639	E-PV17-OA-C50+N	PVO-17A-N	0.13	17	11	100	140	100
	PVC	●	65	White	Coil	50	H090060077	E-PV17-RW-C50+N	PVR-17W-N	0.13	17	11	100	160	100
	PVC		65	Dark green	Coil	50	H090034739	E-PV17-SD-C50+N	PVS-17D-N	0.13	17	11	100	160	100
	PVC		65	Anthracite	Coil	50	H090034139	E-PV17-SA-C50+N	PVS-17A-N	0.13	17	11	100	160	100
22	PVC		65	Anthracite	Coil	50	H090034144	E-PV22-SA-C50+N	PVS-22A-N	0.25	22	14	120	180	150
30	PVC		55	Anthracite	Coil	25	H090034652	E-PV30-OA-C25+N	PVO-30A-N	0.52	30	16	×	180	150
	PVC		65	Anthracite	Coil	25	H090034152	E-PV30-SA-C25+N	PVS-30A-N	0.52	30	16	×	200	160

× Data available on request

PV Special notched

Width [mm]	Material	Food grade	Hardness [SHA]	Color	Package type	Package quantity	Order code	Part number	Description	Specific weight [kg/m]	B [mm]	H [mm]	Conv. side transversal pulley Ø [mm]	Conv. side longitudinal pulley Ø [mm]	Running side longitudinal pulley Ø [mm]
6	TPU	●	92	White	Coil	300	H090060093	E-PV06-TW-C300+NN	PVY-6X4.0W92-SN	0.03	6	4	×	×	40
8	TPU+	●	83	White	Coil	200	H090060137	E-PV08-GW-C200+NN	PVH-8W-SN	0.04	8	5	×	60	30
	TPU+	●	83	Cobalt blue	Coil	200	H090060135	E-PV08-GC-C200+NN	PVH-8C-SN	0.04	8	5	×	60	30
	TPU	●	85	Cobalt blue	Coil	200	H090060123	E-PV08-FC-C200+NN	PVF-8C-SN	0.04	8	5	×	60	30
	TPU	●	85	White	Coil	200	H090035127	E-PV08-FW-C200+NN	PVF-8W-SN	0.04	8	5	×	60	30
10	TPU+	●	83	White	Coil	200	H090060138	E-PV10-GW-C200+NN	PVH-10W-SN	0.05	10	6	×	70	40
	TPU+	●	83	Cobalt blue	Coil	200	H090060133	E-PV10-GC-C200+NN	PVH-10C-SN	0.05	10	6	×	70	40
	TPU	●	85	Cobalt blue	Coil	200	H090060124	E-PV10-FC-C200+NN	PVF-10C-SN	0.05	10	6	×	70	40
	TPU	●	85	White	Coil	200	H090035131	E-PV10-FW-C200+NN	PVF-10W-SN	0.05	10	6	×	70	40
	TPU	●	92	White	Coil	200	H090060094	E-PV10-TW-C200+NN	PVY-10X5.0W92-SN	0.05	10	5	×	×	50
13	TPU+	●	83	Cobalt blue	Coil	100	H090060136	E-PV13-GC-C100+NN	PVH-13C-SN	0.09	13	8	×	90	50
	TPU+	●	83	White	Coil	100	H090060132	E-PV13-GW-C100+NN	PVH-13W-SN	0.09	13	8	×	90	50
	TPU	●	85	Cobalt blue	Coil	100	H090060125	E-PV13-FC-C100+NN	PVF-13C-SN	0.09	13	8	×	90	50
	TPU	●	85	White	Coil	100	H090035136	E-PV13-FW-C100+NN	PVF-13W-SN	0.09	13	8	×	90	50
	TPU	●	92	White	Coil	100	H090060095	E-PV13-TW-C100+NN	PVY-13X6.5W92-SN	0.09	13	6	×	×	65
17	TPU	●	85	Green	Coil	50	H090035173	E-PV17-FG-C50+NN	PVF-17G-SN	×	×	×	×	×	×
	TPU	●	85	White	Coil	50	H090035138	E-PV17-FW-C50+NN	PVF-17W-SN	0.13	17	11	×	100	60
3/8	TPU	●	92	White	Coil	200	H090060122	E-PV3/8-TW-C200+NN	PVY-9,7X6,1W92-SN	0.05	10	6	×	×	65
1/2	TPU	●	92	White	Coil	100	H090060103	E-PV1/2-TW-C100+NN	PVY-12,7X7,9W92-SN	0.07	13	8	×	×	80

PU

Width [mm]	Material	Food grade	Hardness [SHA]	Color	Package type	Package quantity	Order code	Part number	Description	Specific weight [kg/m]	B [mm]	H [mm]	Conv. side longitudinal pulley Ø [mm]	Running side longitudinal pulley Ø [mm]
15	TPU	●	85	White	Coil	50	H090060052	E-PU15-FW-C50	PUG 15/5W	0.15	15	5	40	40
25	TPU	●	85	White	Coil	50	H090060051	E-PU25-FW-C50	PUG 25/5W	0.17	25	5	40	40

× Data available on request

Tolerances

The general tolerance to be considered for the extruded products range is $\pm 3\%$ or ± 0.20 mm – whichever is greatest.

Shelf life

Due to the wide variety of product designs and storage conditions, no general recommendations on shelf life can be given. After two years in storage, a visual check of surface color and aspect (migration of plasticizers, fillers, uniformity, etc.) should be made.

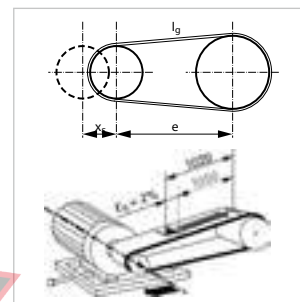
Pulleys for round and V-belts

V-shaped belts comply with DIN 2215. Respective pulleys comply with DIN 2217

Belt tension

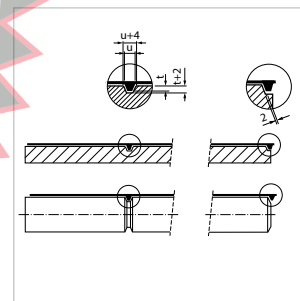
In order to ensure proper operation of the installed belt, pre-tensioning is required. The recommended elongation factor is from 1% to 8% depending on the belt shape and material (hardness). The initial tension is checked by making two reference marks on the un-tensioned belt at a certain distance apart x ($x = 100\%$). The marks should ideally be at both edges of the belt, but not where it is joined. The belt is then tensioned until the measuring marks have reached the required elongation ($x + \epsilon_0$).

Example: Required initial tension $\epsilon_0 = 0.5\%$, distance between marks before tensioning $x = 1000$ mm, distance between marks after tensioning $x + \epsilon_0 = 1000$ mm + 5 mm = 1005 mm. Once the belt has completed at least one circuit of the installation, the distance ($x + \epsilon_0$) must be measured again and corrected where necessary.



Good to know about tracking guides

Guiding profiles are usually V-shaped or are flat profiles welded onto the running side of the conveyor belt. They are employed for two fundamentally different functions: 1) as a general belt tracking measure, and 2) as a measure to absorb transverse forces. Suggested groove dimensions are: sliding beds or carrying rollers = profile width + 4 mm drive pulleys = profile width + 10 mm



Belt type	Suggested initial tension [%]
Round belts (not reinforced)	6-8%*
Round belts (reinforced)	1%
V-shaped belts (not reinforced)	3%
V-shaped belts (reinforced)	1%
TT belts	3-4%

* Install the slack belt and tension until running perfectly under the full round belt load, without exceeding 6–8%.

Quickmelt joining system for Polycord® round belts

Thanks to handy Habasit joining tools, customers can join Polycord® round belts themselves.

Cutting

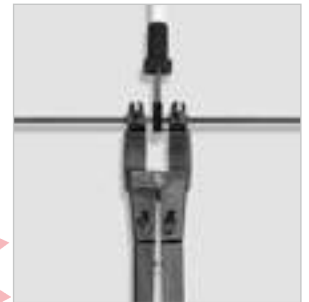
- If take-up x is available and sufficient for the required take-up x_{ϵ} , measure and cut off a belt length l_1 (e.g. 2500 mm) determined by a string in the pulley grooves at the shortest center distance.
- If no take-up x is available, proceed as above, but deduct initial tension $\epsilon = 8\%$ (e.g. 200 mm in case of a belt length of 2500 mm) and measure a net belt length l_3 of 2300 mm.



Joining

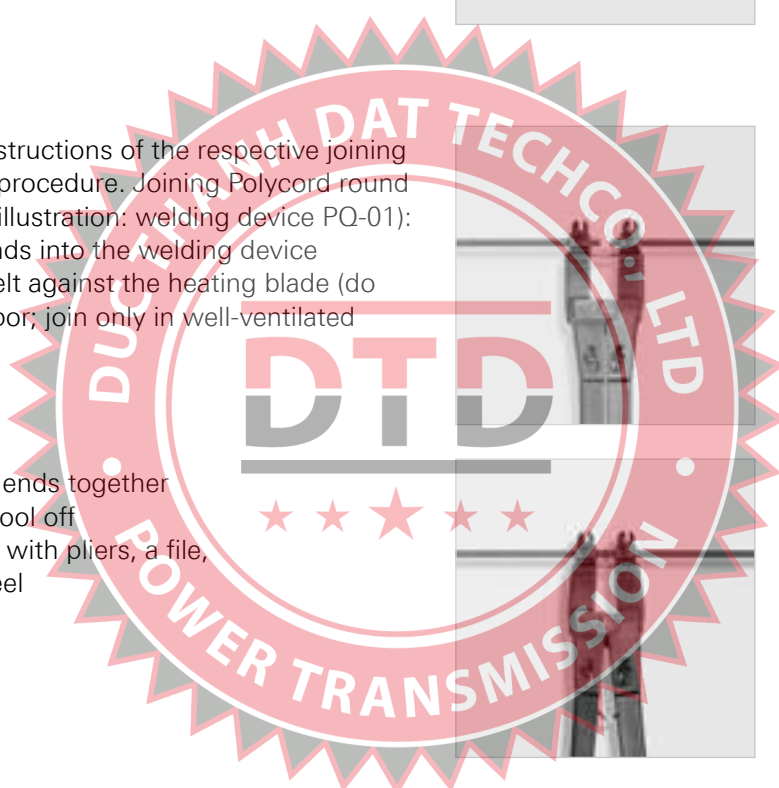
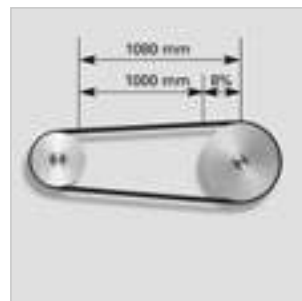
See the operating instructions of the respective joining device for the exact procedure. Joining Polycord round belts is very simple (illustration: welding device PQ-01):

- Clamp the belt ends into the welding device
- Allow them to melt against the heating blade (do not inhale the vapor; join only in well-ventilated areas)
- Then put the belt ends together and let the joint cool off
- Trim any swelling with pliers, a file, or a grinding wheel



Installing

- If take-up x is available and sufficient for the required take-up x_{ϵ} , trace two measuring marks at a distance of 1000 mm (or 500 mm) on the belt. Tension it using the generally applicable initial tensioning value $\epsilon = 8\%$ by increasing the center distance. The distance between the two measuring marks should now be 1080 mm (or 540 mm).
- If no take-up x is available, install the belt first on the small pulley, then "force" it onto the larger pulley by carefully turning the drive by hand.

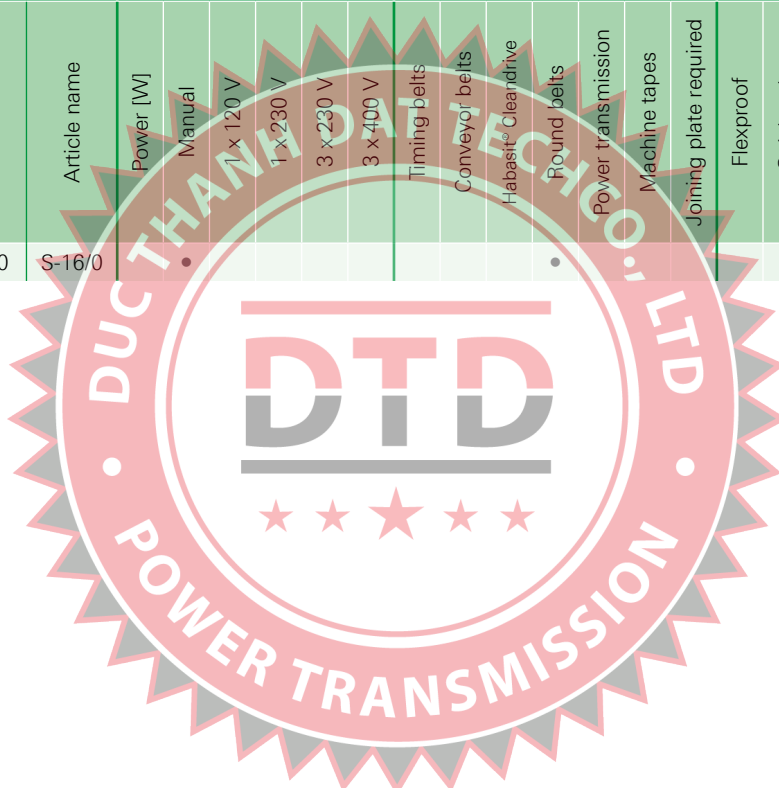


S-16

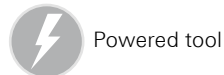
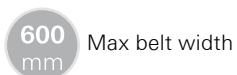
Manual scissors for cutting round belts, up to 15 mm in diameter. Ideal for Polycord, Habicord, and small section extruded profiles.



Details			Power supply				Product type					Method			Dimensions								
Product name	Max. belt width	Ordering code	Article name	Power [W]	Manual	1 x 120 V	1 x 230 V	3 x 230 V	3 x 400 V	Timing belts	Conveyor belts	Habasit® Cleardrive	Round belts	Power transmission	Machine tapes	Joining plate required	Flexproof	Quickmelt	Thermofix	Length [mm]	Width [mm]	Height [mm]	Weight [kg]
S-16	15	H080690010	S-16/0		•								•				•			220	80	55	1



Key to symbols



PQ-01

Quickmelt welding tool, designed for joining round belts. It consists of a W-01 welder and CQ-01 table stand for belt ends positioning.



PQ-02

Quickmelt welding tool, designed for joining round belts. It consists of a W-01 welder and CQ-02 clamping device.



W-01

The W-01 heating welder has been specifically designed for rapid and safe welding of thermoplastic round belts up to a diameter of 15 mm.



Details				Power supply				Product type				Method			Dimensions								
Product name	Max. belt width	Ordering code	Article name	Power [W]	Manual	1 x 120 V	1 x 230 V	3 x 230 V	3 x 400 V	Timing belts	Conveyor belts	Habasit® Cleandrive	Round belts	Power transmission	Machine tapes	Joining plate required	Flexproof	Quickmelt	Thermofix	Length [mm]	Width [mm]	Height [mm]	Weight [kg]
PQ-01	15	H088000526	PQ-01/8	80			•						•				•			420	140	120	1
PQ-01	15	H088000525	PQ-01/6	80		•							•				•			420	140	120	1
PQ-02	15	H088000541	PQ-02/8	80			•						•				•			420	140	120	1
PQ-02	15	H088000540	PQ-02/6	80		•							•				•			420	140	120	1
W-01	15	H08N060965	W-01/8	80			•						•				•			250	50	50	1
W-01	15	H088000540	W-01/6	80		•							•				•			250	50	50	1

Customers first

Your success is our goal. That is why we don't just offer products; we provide solutions. As committed partners to our customers, we are dedicated to sharing our knowledge and providing full support.

Since our founding in 1946, Habasit has been finding ways to meet customer-specific needs in every application. This is what differentiates us as the #1 worldwide belting provider in the industry today.



Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that have led the global market for decades.



Belt selection and calculation assistance

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at selecalc.habasit.com.



Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.



Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.



Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location.



Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customers' sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.



Committed to innovation

Because our customers' belting challenges and needs are always changing, we consistently invest a substantial amount of labor and resources into the research and development of new products and solutions.

Certified for quality

We deliver the highest quality standards not only in our products and solutions, but also in our employees' daily work processes. Habasit AG is certified according to ISO 9001:2015.



Worldwide leading product range

Habasit offers the largest selection of belting, conveying, processing and complementary products in the industry. Our response to any request is nothing less than a specific, tailor-made solution.



HabaFLOW®
Fabric-based conveyor and processing belts



HabasitLINK®
Plastic modular belts



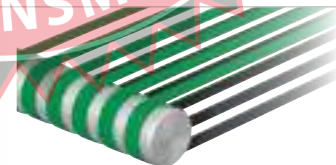
HabaDRIVE®
Power transmission belts



HabaSYNC®
Timing belts



HabaCHAIN®
Chains (slat and conveyor chains)



Machine tapes



Round belts



Seamless belts



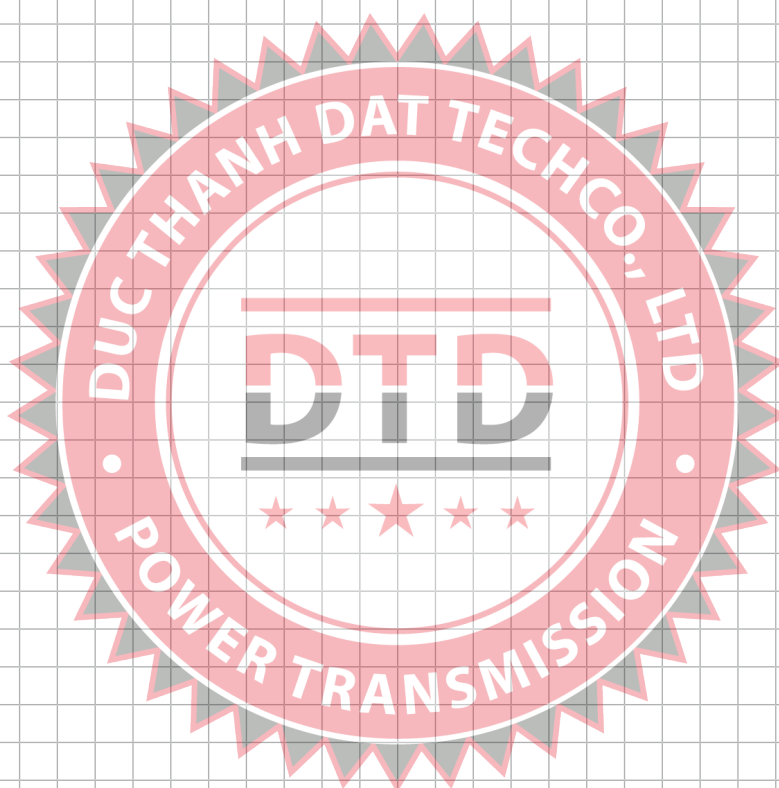
HabiPLAST
Profiles, Guides, Wear strips

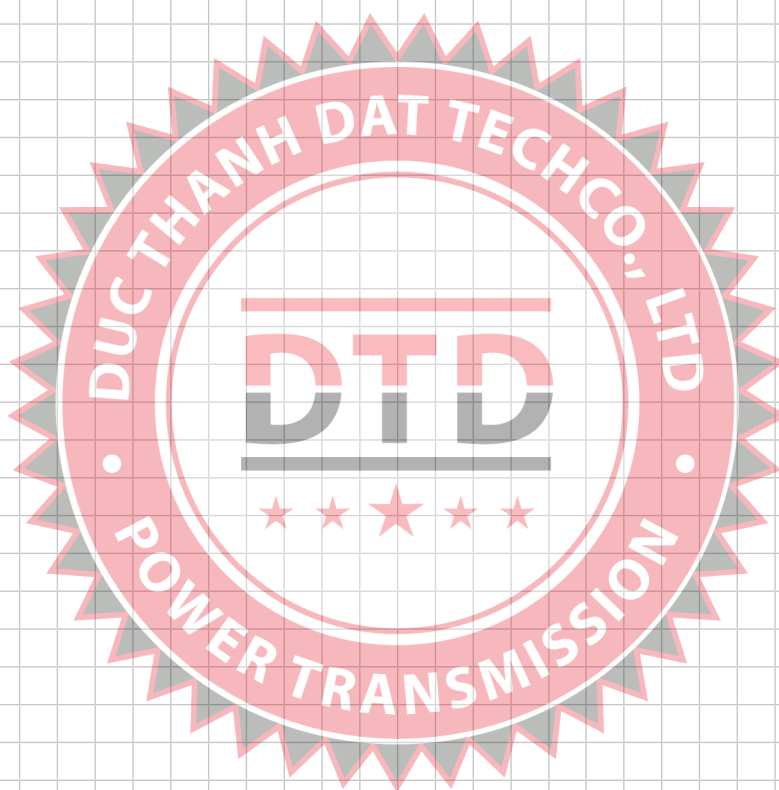


Accessories
(sprockets, flights, welding profiles, etc.)



Fabrication tools
(joining, cutting & preparing devices)





Australia

Habasit Australia Pty Ltd.
Silverwater, Sydney
Phone: +61 1300 945 455
www.habasit.com.au

Austria

Habasit GmbH, Wiener Neudorf
Phone: +43 1 690 66
www.habasit.at

Belgium & Luxembourg

Habasit Belgium N.V., Zaventem
Phone: +32 27 250 430
www.habasit.be | habasit.lu

Brazil

Habasit do Brasil, Barueri - SP
Phone: +55 11 4789 9022
www.habasit.com.br

Canada

Habasit Canada Ltd., Oakville
Phone: +1 905 827 41 31
www.habasit.ca

China

Habasit East Asia Ltd.
Fotan, Shatin, N.T., Hong Kong
Phone: +852 2145 0150
www.habasit.com.hk

Habasit (Shanghai) Co. Ltd.
Shanghai
Phone: +8621 5488 1218
www.habasit.com.cn

France

Habasit France SAS, Mulhouse
Phone: +33 3 89 33 89 03
www.habasit.fr

Germany

Habasit GmbH, Eppertshausen
Phone: +49 6071 969 0
www.habasit.de

India

Habasit India, Coimbatore
Phone: +91 422 666 78 00
www.habasit.in

Italy

Habasit Italiana SpA
Customer Care: 0438 911333
For int. calls: +39 0438 911444
www.habasit.it

Japan

Habasit Nippon Co., Ltd., Tokyo
Phone: +81 120 07 6339
www.habasit.co.jp

Korea (Republic of)

Habasit Korea Ltd., Seongnam
Phone: +82 31 737 9370
www.habasit.co.kr

Mexico

Habasit Rocua, Zapopan
Phone: +52 33 3824 2358
www.habasitrocua.mx

Netherlands

Habasit Netherlands BV, Nijkerk
Phone: +31 332 472 030
www.habasit.nl

New Zealand

Habasit New Zealand Pty Ltd.
Auckland
Phone: 0800 000 070
www.habasit.co.nz

Nordic countries

Habasit AB, Hindås, Sweden
Phone: +46 301 226 00
www.habasit.se

Poland

Habasit Polska Sp. z o.o.
Dąbrowa Górnicza
Phone: +48 32 639 02 40
www.habasit.pl

Russia

OOO Habasit Ltd.
Moscow Region
Phone: +7 495 966 1566
www.habasit.ru

Singapore

Habasit Far East Pte Ltd.
Singapore
Phone: +65 6862 5566
www.habasit.com.sg

South Africa

Habasit South Africa Pty Ltd.
Gauteng
Phone: +27 10 001 6770
www.habasit.co.za

Spain

Habasit Hispánica S.A.
Barberá del Vallés
Phone: +34 937 191 912
www.habasit.es

Switzerland

Habasit GmbH, Reinach
Phone: +41 61 577 51 00
www.habasit.ch

Taiwan

Habasit (Taiwan) Ltd.
New Taipei City
Phone: +886 2 2267 0538
www.habasit.com.tw

Turkey

Habasit Kayis San.
Ve Tic. Ltd. Sti., Istanbul
Phone: +90 444 70 43
www.habasit.com.tr

Ukraine

Habasit Ukraine LLC., Kyiv
Phone: +38 044 290 88 99
www.habasit.ua

United Kingdom & Ireland

Habasit UK Ltd., Elland
Phone: +44 333 207 6570
www.habasit.co.uk

USA

Habasit America
Suwanee, Georgia
Phone: +1 800 458 6431
www.habasitamerica.com

Habasit International AG

Römerstrasse 1
CH-4153 Reinach, Switzerland
Phone +41 61 715 15 15
Fax +41 61 715 15 55
www.habasit.com

Registered trademarks
Copyright Habasit International AG
Subject to alterations
4299BRO.PRF-en1017ITA

HabaSYNC®

Wide Timing Belts



Easy maintenance and reliable processing performance

The new HabaSYNC® wide timing belts, colored white, transparent, blue or black, are available in width of up to 600 millimeters. The new dimensions of the timing belts allow them to be used in a wide variety of applications, for example in the tire industry, food production, hygiene product manufacturing, or in the beverage industry.

Aramid reinforced wide TPU timing belt design

The belts are made of thermoplastic polyurethane with a hardness of 90 to 92 Shore A (depending on the color of the basic material). This material has excellent properties in very different areas: On the one hand, it is resistant to oil, grease and chemical agents, and on the other hand, it is characterized by distinguished wear and abrasion resistance as well as weather resistance and has an FDA/EU food safety certification.

HabaSYNC®

Wide Timing Belts

Perfectly fitted

HabaSYNC® wide timing belts with T10 and H pitch made of thermoplastic polyurethane (also available with polyamide fabric on the tooth side or polyamide fabric on the tooth and conveying side) have a tensile member made of aramid and can be individually fabricated depending on the intended purpose, for example through milling, perforations, covers, or cleats.

There are many additional ways to customize a HabaSYNC® wide timing belt and enhance your conveyance design. We provide a wide range of fabrication techniques and materials to satisfy even the most unusual or demanding application need.



Modifications on demand

Modifications to the conveying and tooth sides of HabaSYNC® wide timing belts can enhance performance for your applications. Machine grinding or punching provide countless ways to adapt the timing belts to your specific application requirements.



Thermoplastic welded profiles can be added to assist with conveying and product placement.

The range of available types allows the perfect choice for different application needs:

Product portfolio HabaSYNC® Wide timing belts								
Pitch	Max width		Cord material	Material	Hardness	Color	Polyamid fabric green	Food approval
	mm	in						
T10	600	23,62	Aramid	TPU	92 Shore A	White	None	
T10	600	23,62	Aramid	TPU	92 Shore A	White	Tooth Side	
T10	600	23,62	Aramid	TPU	92 Shore A	White	Both Sides	
T10	600	23,62	Aramid	TPU	90 Shore A	Transparent	None	•
T10	600	23,62	Aramid	TPU	90 Shore A	Transparent	Tooth Side	
T10	600	23,62	Aramid	TPU	90 Shore A	Transparent	Both Sides	
T10	600	23,62	Aramid	TPU	92 Shore A	Black	None	
T10	600	23,62	Aramid	TPU	92 Shore A	Black	Tooth Side	
T10	600	23,62	Aramid	TPU	92 Shore A	Black	Both Sides	
T10	600	23,62	Aramid	TPU	90 Shore A	Blue	None	•
H	600	23,62	Aramid	TPU	90 Shore A	Transparent	None	•
H	600	23,62	Aramid	TPU	90 Shore A	Transparent	Tooth Side	
H	600	23,62	Aramid	TPU	90 Shore A	Transparent	Both Sides	
H	600	23,62	Aramid	TPU	92 Shore A	White	None	
H	600	23,62	Aramid	TPU	92 Shore A	White	Both Sides	

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

4383FLY.TIM-en0218HOR

HabaSYNC® Wide Timing Belts For Tire Industry



Improved Productivity and Reduced Line Downtime with HabaSYNC® Wide Timing Belts

The Automotive industry is famously competitive and cost conscious, so tire manufacturers rely on belt life time to keep productivity rates high. After all, belts used in the tire building process operate in tough conditions. Replacement of a damaged belt can cost an entire shift in duration and the attention of from 4 to 6 operators. This could mean a loss of in excess of 5,000 car tires due to line downtime. However, this can be avoided with HabaSYNC® Wide Timing Belts.

The widest available solution on the market

Belts used in tire building machines very often are comprised of a number of narrow belts joined longitudinally, or belts running in parallel to achieve the desired width. With a Wide Timing Belt, the need for longitudinal joining, which could be a point of potential failure, is eliminated, as is the need to install multiple parallel belts. Wide Timing Belts also improve positioning through precise alignment, which can be challenging for parallel belts. At 600mm, HabaSYNC® Wide Timing Belts offer the widest timing belt solution available in the market. This opens new possibilities for tire building productivity and the construction of equipment used in this application.

HabaSYNC® Wide Timing Belts For Tire Industry

Up to 8 times faster belt replacement

Traditional belt joining methods provide a robust joint able to withstand the operating conditions of the tire building process. However, when traditionally joined belts need replacing, it can take up to 8 hours, and as many as 6 operators, resulting in high costs and lost productivity. HabaSYNC® Wide Timing Belts can be joined with a hinge joint. This solution can reduce the replacement related downtime to less than an hour and requires only 2 operators for the change.

Quality tires are made on quality belts

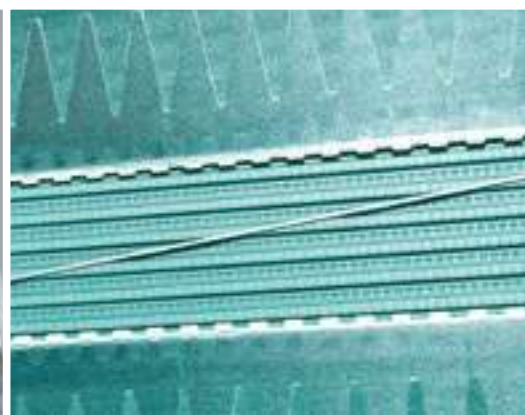
The uncured rubber used in tire building applications requires materials with a high chemical resistance. HabaSYNC® Wide Timing Belts are made using a special TPU material with high resistance to chemical agents, oil and grease. The material is also abrasion resistant, which increases belt lifetime and reduces the frequency of belt changeovers.

Process automation made easy with precise positioning

HabaSYNC® Wide Timing Belts are designed especially for synchronous conveying applications and precise product positioning where wide surface conveyance is required. Reinforced with aramid cords, the belts do not require re-tensioning, as there is no belt elongation. The belts have a low coefficient of friction on the running side for smooth running of the belt. Both the conveying and tooth side of the belt can be provided with a Polyamide cover to accommodate the specific needs of the applications.

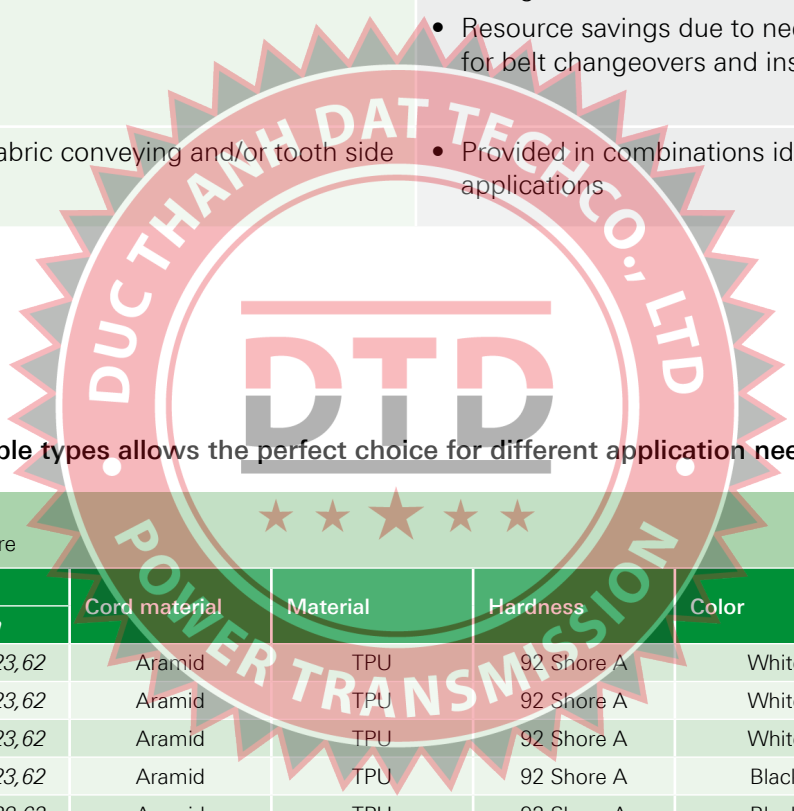
Tailored for your process requirements

With Habasit advanced fabrication capabilities you can customize the belt for a precise fit to your tire building line. From the joining method, including the hinge joint, to profiles, transversal or lateral grooves on the conveying or tooth side, various covers, and punched or water-jet cut holes and pockets, there are solutions for even the most demanding process needs.



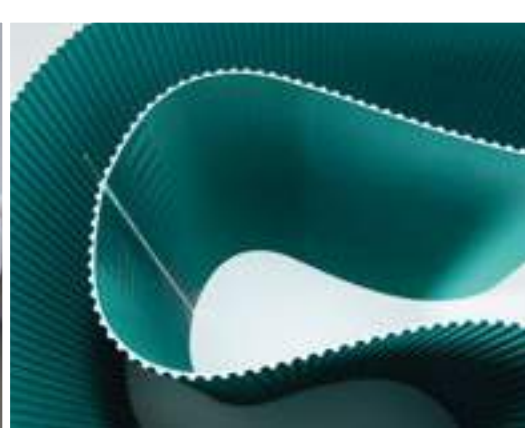
HabaSYNC® Wide Timing Belts For Tire Industry

Key features	Your benefit
<ul style="list-style-type: none"> Width of up to 600 mm 	<ul style="list-style-type: none"> Longer belt lifetime due to no risk of damage at the longitudinal joint and improved precision in wide conveying
<ul style="list-style-type: none"> Made of high grade TPU material 	<ul style="list-style-type: none"> High resistance to chemical agents, oil and grease High abrasion and wear resistance
<ul style="list-style-type: none"> Aramid reinforcement 	<ul style="list-style-type: none"> No belt elongation and no re-tensioning required
<ul style="list-style-type: none"> Hinge joint 	<ul style="list-style-type: none"> Reduced downtime due to significantly shorter changeover Resource savings due to need for fewer operators for belt changeovers and installations
<ul style="list-style-type: none"> Polyamide (PA) fabric conveying and/or tooth side 	<ul style="list-style-type: none"> Provided in combinations ideal for specific applications



The range of available types allows the perfect choice for different application needs:

HabaSYNC® Wide Timing Belts for Tire							
Pitch	Width		Cord material	Material	Hardness	Color	PA fabric green
	mm	in					
T10	600	23,62	Aramid	TPU	92 Shore A	White	None
T10	600	23,62	Aramid	TPU	92 Shore A	White	Tooth Side
T10	600	23,62	Aramid	TPU	92 Shore A	White	Both Sides
T10	600	23,62	Aramid	TPU	92 Shore A	Black	None
T10	600	23,62	Aramid	TPU	92 Shore A	Black	Tooth Side
T10	600	23,62	Aramid	TPU	92 Shore A	Black	Both Sides



Solutions in motion



Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that have led the global market for decades.



Belt selection and calculation assistance

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at selecalc.habasit.com.



Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.



Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.



Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location. ★



Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customers' sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/ disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

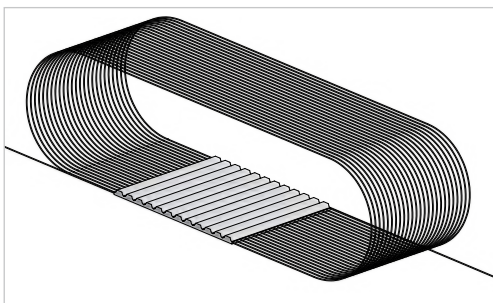
2192FLY.TIR-en0218HOR

HabaSYNC® Flex timing belts

Seamless high-performance belts



HabaSYNC® Flex timing belts offer all the reliability and precision of HabaSYNC® belts, while their helically wound cords provide double the tensile strength of joined endless timing belts. HabaSYNC® Flex belts are ideal for conveying heavy loads; they are also used in high power transmission applications.

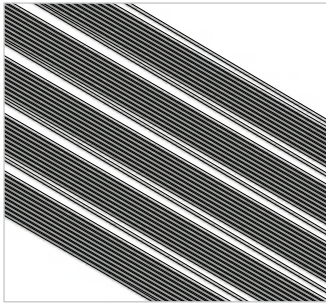


Features

- High abrasion resistance
- Hydrolysis resistance
- UV light and ozone resistance
- Good oil and grease resistance
- Resistance to some acids and caustic solutions

HabaSYNC® flex seamless timing belts

Twice as flexible – with a choice of slitting lanes for perfect results



What's special about HabaSYNC® Flex timing belts is the variable arrangement of the cords inside the belt.

Individual slitting lanes are possible of any width and distance up to a total width of 150 mm, e.g. 6 x 25 mm, 5 x 30 mm, 9 x 16 mm, 4 x 35 mm, etc. This makes it easy to cut and punch holes in the belt.

The exposure of cords at the belt edges is significantly reduced. As a result, the cut edges of the belt are almost completely smooth, meeting the requirements of many applications.

HabaSYNC flex seamless (truly endless) timing belts are ideal for synchronized conveying and precise positioning of heavy loads. Manufactured with helically wound cords, they provide double the strength of joined endless belts. They can also be used in high power transmission applications.

HabaSYNC® seamless timing belts are manufactured in endless lengths without cord interruption. The cord is coiled in a spiral shape. They can be universally used for all tasks in conveyance and power transmission engineering up to 10,000 rpm.

Synchronized conveying

When timing belt conveyor applications require parallel or linear synchronicity, HabaSYNC® seamless timing belts meet the challenge thanks to exact tooth pitches and very small tolerances. Smaller tooth pitches can be used while offering the same performance as welded endless belts. This allows for smaller pulley diameters and shorter transfer points.

Precise positioning

The seamless design allows highly precise positioning over the entire length of the belt and gentle product conveyance without damage or bottlenecks. Tighter product spacing on the belt supports increased throughput and results in greater efficiency.

Drive power transmission

HabaSYNC® seamless timing belts offer the highest possible and most efficient drive power transmission. They feature low noise and minimal start-up delay due to their low mass inertia and a high torsional stiffness, which provide the added benefits of smooth running and precise directional stability. The seamless design with uniform and precise tooth pitch over the entire belt length ensures flawless operation, especially for high power transmission.

Materials

HabaSYNC® seamless timing belts are made with the same high quality cords and TPU materials as our open end timing belts. Seamless timing belts can be produced with friction-reducing, wear-resistant polyamide fabric on the tooth side. These polyamide fabrics are also available with antistatic properties.

HabaSYNC® flex seamless timing belts

Pitch	Tooth-side cover			Cords				
	Without cover	Green polyamide material	Black polyamide antistatic material	Steel	Aramid	Stainless steel	High flexible	Performance
T5	●	●	●	●	●	●	●	○
T10	●	●	●	●	●	●	●	○
T20	●	●	●	●	●	●	●	●
AT5	●	●	●	●	●	●	●	○
AT10	●	●	●	●	●	●	●	●
AT20	●	●	●	●	○	●	○	●
5M (HTD)	●	●	●	●	●	●	●	○
8M (HTD)	●	●	●	●	●	●	●	●
14M (HTD)	●	●	●	●	○	●	○	○
RPP8	●	●	●	●	●	●	●	●
XH	●	●	●	●	●	●	●	●
H	●	●	●	●	●	●	●	○
L	●	●	●	●	●	●	●	○
XL	●	●	●	●	●	●	●	○

● Available ○ Currently not available

Availability of materials

All of the pitches above can be produced in different TPU materials including:

Code	Material	Hardness	Properties	Color	Temperature range
01	Polyester urethane	92 Shore A	High abrasion resistance	White	-20 to 80 °C (-4 to 176 °F)
04	Polycarbonate urethane	92 Shore A	Good microbial resistance	White	-20 to 80 °C (-4 to 176 °F)
05	Polyether urethane	90 Shore A	Good hydrolysis features FDA/EU	Cobalt blue	-30 to 80 °C (-22 to 176 °F)
06	Polyester urethane	92 Shore A	High abrasion resistance	Black	-20 to 80 °C (-4 to 176 °F)
22	Polyester urethane	90 Shore A	FDA/EU	Transparent	-20 to 70 °C (-4 to 150 °F)

Slit lane configuration

Slit lanes are fully customizable per request. In case of doubts get in touch with a Habasit representative.

Solutions in motion



Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that have led the global market for decades.



Belt selection and calculation assistance

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at selecalc.habasit.com.



Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.



Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.



Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location. ★



Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customers' sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.

Information provided herein does not constitute legal representations or warranties and may change without notice. Please refer to the specifications/disclaimers provided in the respective product data sheets.

For further information choose country selection Habasit Worldwide on:

www.habasit.com

Habasit International AG

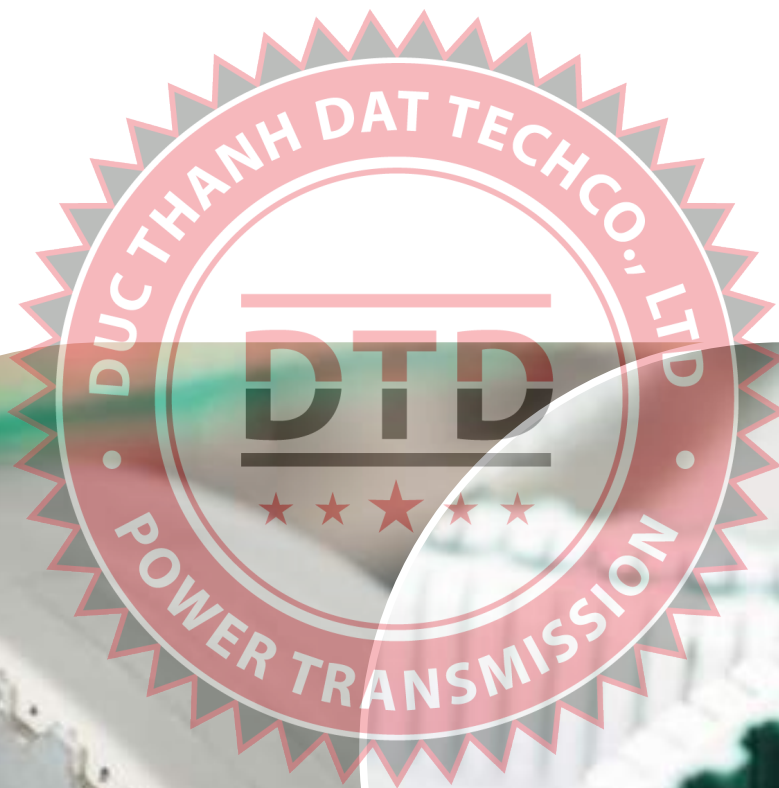
CH-4153 Reinach-Basel
Phone: +41 61 715 15 15
Fax: +41 61 715 15 55

Copyright Habasit AG
Subject to alterations

4415FLY.TIM-en0319HQR

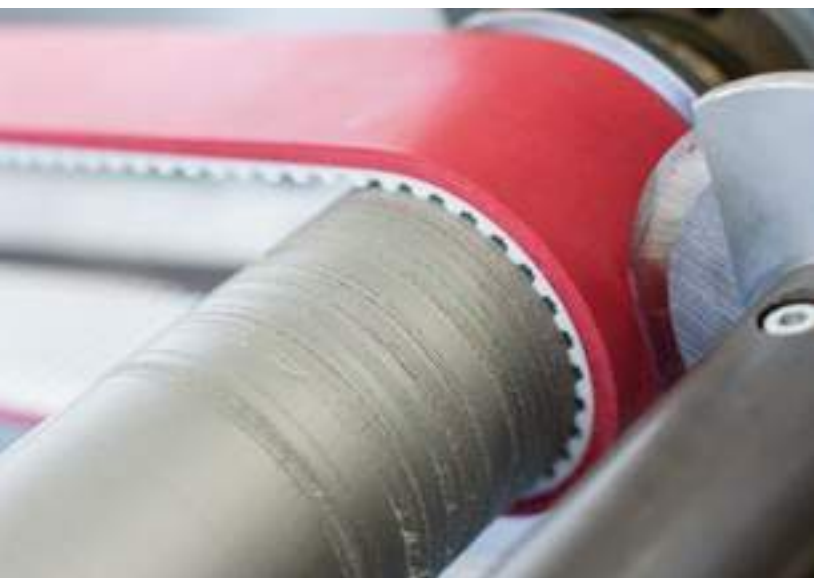
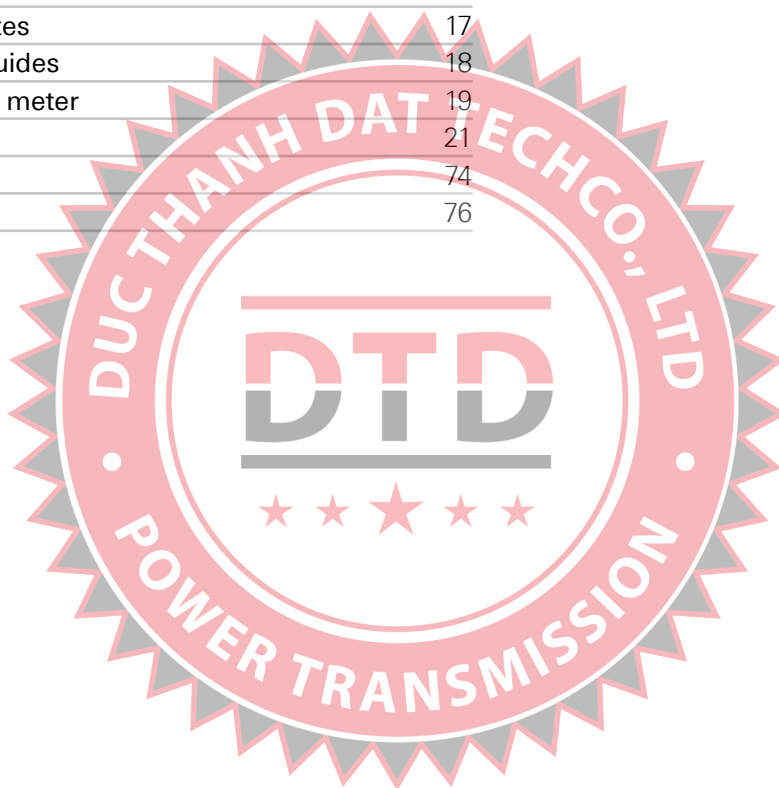
HabaSYNC® Timing Belts

Products and Fabrication Capabilities



Contents

Introduction	3
HabaSYNC® open-end timing belts	4
HabaSYNC® wide timing belts	5
HabaSYNC® open-end joining	6
HabaSYNC® flex seamless timing belts	8
Cast timing belts	9
Covers	10
V-guides and longitudinal profiles	11
Cleats	12
Cleats – false teeth attachments	13
Custom fabrication	14
HabaSYNC® double-sided belts	16
Pulleys and clamp plates	17
HabiPLAST support guides	18
Tools – BTM-1 tension meter	19
Technical part	21
Solutions in motion	74
Contacts	76



HabaSYNC® timing belts – Swiss precision by nature

Process automation is essential for achieving high productivity and competitiveness in today's challenging business environment. In the manufacturing and materials handling industries, optimum performance for conveying and linear movement applications requires precise product positioning and synchronous conveying, along with high operational efficiency and reliability. And all this, while meeting ever-increasing environmental and energy-saving requirements.

The HabaSYNC® range of timing belts and accessories delivers the precision, efficiency and reliability you need for your particular application. Backed by our extensive experience and deep understanding of the industries we serve, our solutions naturally also comply with the latest environmental regulations.

A notch above the rest

All HabaSYNC® timing belts, pulleys, profiles, covers and other accessories have been developed through Habasit's meticulous dedication to solving the issues that our customers face in their specific applications.

Top-quality materials

HabaSYNC® belts are made of thermoplastic polyurethane (TPU), reinforced by steel, aramid or specialty cords. TPU is resistant to oil, grease, and chemical agents, as well as UV-resistant, weather-resistant, and extremely wear- and abrasion-resistant. Special versions also have FDA/EU food approval.

Our insistence on using only top-quality raw materials and maintaining the highest manufacturing consistency translates into reliable products with a long service life to meet your most demanding needs. Furthermore, all Habasit products meet the EU's Restriction of Hazardous Substances Directive 2011/65/EU (RoHS 2), and all our manufacturing plants and processes are ISO 9001 certified.

Customization options

At Habasit, quality goes beyond manufacturing the belts. Equally important are the fabrication capabilities that make our belting solutions truly adaptable to every need. These include our range of joining methods, flights and profiles, plus hole cutting and pocket options, and the widest range of cover materials on the market to meet almost any mechanical, physical or chemical challenge.

If you cannot find what you need in our standard offer, we will work with you to find a solution using our customized manufacturing capabilities.

Dedicated to high quality service

Wherever you are in the world, Habasit's extensive distribution network and dedicated team of application engineers, product specialists and service technicians will ensure you receive the reliable and timely local service you need. We are giving you Swiss levels of reliability, service and efficiency at all times and in every location.

Read on for details of our various belt types and accessories.



When you require parallel or linear synchronicity for timing belt conveyor applications, HabaSYNC® open-end belts meet the challenge thanks to their exact tooth pitches with very small tolerances. The belts deliver precise positioning and gentle product conveyance without damage or bottlenecks, while supporting increased throughput and greater efficiency due to tighter product spacing on the belt.



HabaSYNC® open-end belts also offer the highest possible and most efficient drive characteristics. They feature low noise and minimal start-up delay due to their low mass inertia and high torsional stiffness, which provide the added benefits of smooth running and precise directional stability. Furthermore, Habasit's unique manufacturing processes allow precise tolerances that ensure even distribution of the load, and make our open-end belts suitable for transmitting high torques.

Dimensional accuracy, long lifetimes

Like all HabaSYNC® timing belts, our open-end belts are made of abrasion resistant TPU matrix material and high-strength cords. This combination ensures dimensionally accurate and highly durable timing belts.

If required, open-end belts can be equipped with friction reducing, wear-resistant polyamide fabric on the tooth side, and with highly abrasion-resistant polyamide fabric on the conveying side, or on both sides. These fabrics are also available in antistatic versions. While our timing belts can operate at ambient temperatures between $-30\text{ }^{\circ}\text{C} / -22\text{ }^{\circ}\text{F}$ and $+80\text{ }^{\circ}\text{C} / 176\text{ }^{\circ}\text{F}$, different belt materials are available for particular temperature ranges and application areas.

HabaSYNC® open-end belts offer the following characteristics:

Mechanical properties

- Friction / adhesion
- Release
- Abrasion resistance
- Wear resistance
- Cut resistance
- Compressibility

Physical properties

- Antistatic
- Electrical conductivity
- Cold resistance
- Hydrolysis resistance
- Flame retardance

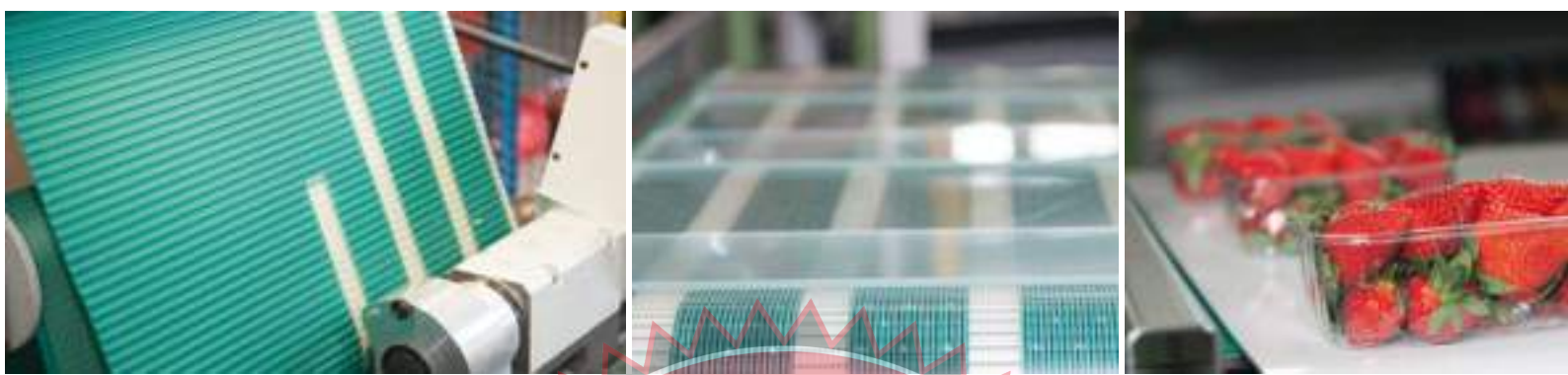
Chemical properties

- Oil and fat resistance
- Acid and base resistance
- Ozone and UV resistance
- Antimicrobial properties
- Food approved
- Easy to clean

For special applications, we offer timing belts for use in low or high temperature ranges, challenging environmental conditions and also for direct food contact.

In addition to the standard steel cords; stainless steel, flexible steel, high strength steel and aramid cords are available.

HabaSYNC® wide timing belts are designed especially for synchronous conveying applications and precise product positioning where wide-surface conveyance is required. Wide timing belts can be ordered in widths of up to 600 mm.



Habasit wide timing belts provide positive drive and synchronized conveying. This results in slip-free conveyance, more precise belt running, higher timing and positioning accuracy, and less elongation. This yields a lower shaft load and consistently lower energy consumption.

Offered in widths of up to 600 mm the wide timing belts can be used in many applications, such as in the tire industry, food production, materials handling and beverage industry.

HabaSYNC® wide timing belts are made with TPU matrix material and aramid cords. They are offered with polyamide fabric on the tooth, conveying or both sides. Belts can be fabricated with milling, perforations, covers, or profiles to fulfill even extraordinary application requirements.

Habasit wide timing belts expand the design range for the use of synchronous properties to better serve application needs.



A timing belt is only as strong as its weakest link. Whatever your application, Habasit can provide the right joining method to ensure faultless belt performance, a long service life, and excellent application safety. Thanks to our expertise and wide range of connection technologies, you can access a full range of configuration options for your application.

Connection options

The following joining technologies are available:

- Welded joints = Habasit Flexproof
- Mechanical joints = 5, 8 or 11 pins
- Mechanical joints = Habasit hinge joint
- Mechanical joints = Habasit heavy hinge joint
- Mechanical joints = Polyamide hinge joint
- Clamp plate butt end



Welded joints - Habasit Flexproof

Habasit offers all its thermoplastic timing belts with a welded Habasit Flexproof joint as standard. HabaSYNC® timing belts can also be supplied with an open, prepared Habasit Flexproof joint for on-site assembly. This enables faster belt assembly directly on the application with minimum effort. Habasit offers the tools needed to make these on-site installations.

Mechanical joints

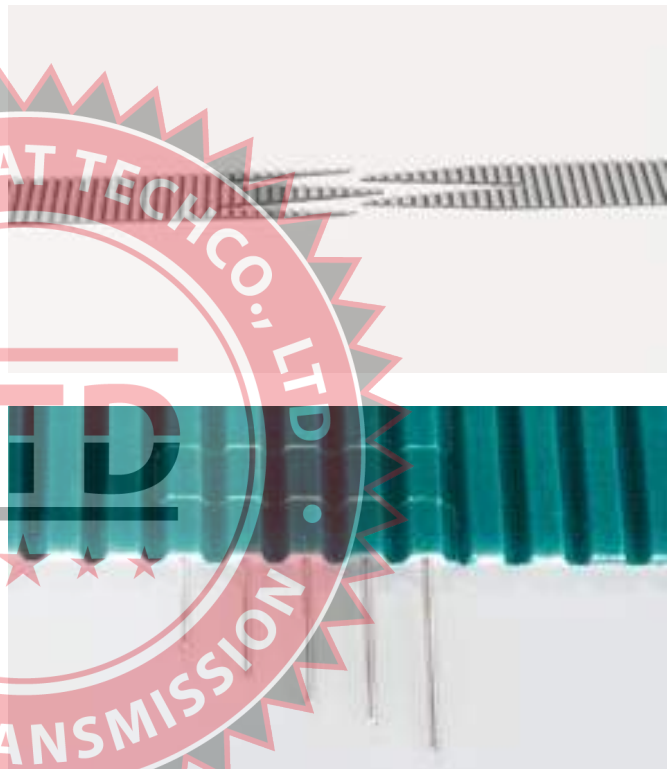
In many synchronous conveying applications, replacing timing belts can be very time-consuming, especially in the case of multi-line systems or difficult-to-reach belts. Mechanical joining methods make this job fast and easy. A further advantage is that they require little space and no special tools. Joining on-site provides a level of flexibility with more configuration options for the belts in the joint area (coatings, profiles, perforations, etc.) resulting in a wider field of application.

Mechanical joints – pin joint

Pin joints are flexible. Precision holes in the teeth form a sturdy guide for the connecting pins and guarantee a safe and reliable joint. The minimum deflection diameter specified by the belt is not negatively affected by the pin joint. A choice of 5, 8 or 11 connecting pins is available in this method, depending on the application. Other pin configurations can be provided for special requirements.

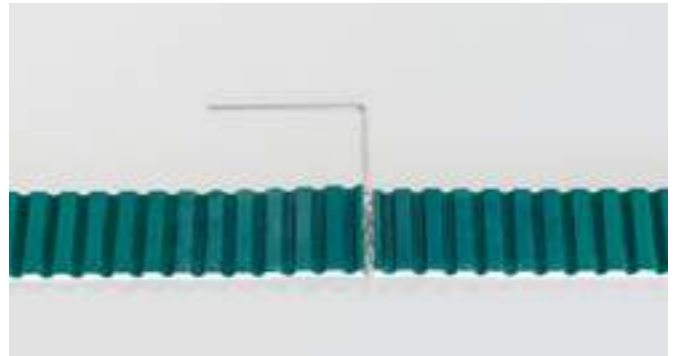
Benefits

- Reduced in installation time
- A fast "do-it-yourself" solution
- Only simple tools needed
- Stronger and more precise pitch control than conventional synthetic belt fasteners
- Wide range of tooth profiles available
- Suitable for most types of belt reinforcements
- Does not require large pulleys



Mechanical joints – Habasit hinge joint

These unique connection types developed and patented by Habasit offer the same benefits as pin joints, while providing the best joint tensile strength and transversal rigidity on the market. The bending plane of the belt is not changed by the hinge joint, which prevents fast-running belts from vibrating. The joint is completely integrated in the belt body, which means that there are no open spots or gaps in the belt surface.



Hinge joints are suitable for food applications due to the use of stainless steel and polyamide. All teeth remain with no gap; and in the area of the connection, only a narrow cut is visible.

Mechanical joints – Habasit heavy hinge joint

Habasit heavy hinge joints use stronger metal sheets and pins for larger belt pitches and greater belt strengths, making them suitable for particularly heavy applications.



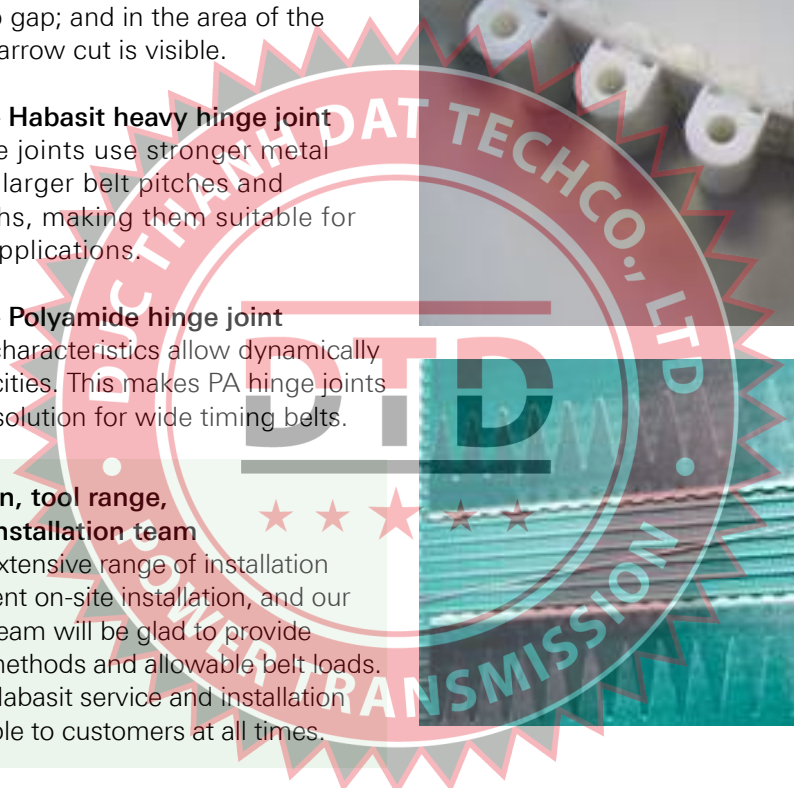
Mechanical joints – Polyamide hinge joint

Polyamide material characteristics allow dynamically higher loading capacities. This makes PA hinge joints an ideal application solution for wide timing belts.



On-site installation, tool range, and service and installation team

Habasit offers an extensive range of installation tools for independent on-site installation, and our technical support team will be glad to provide advice on joining methods and allowable belt loads. As an option, the Habasit service and installation team is also available to customers at all times.



HabaSYNC flex seamless (truly endless) timing belts are ideal for synchronized conveying and precise positioning of heavy loads. Manufactured with helically wound cords, they provide double the strength of joined endless belts. They can also be used in high power transmission applications.

HabaSYNC® seamless timing belts are manufactured in endless lengths without cord interruption. The cord is coiled in a spiral shape. They can be universally used for all tasks in conveyance and power transmission engineering up to 10,000 rpm.

Synchronized conveying

When timing belt conveyor applications require parallel or linear synchronicity, HabaSYNC® seamless timing belts meet the challenge thanks to exact tooth pitches and very small tolerances. Smaller tooth pitches can be used while offering the same performance as welded endless belts. This allows for smaller pulley diameters and shorter transfer points.

Precise positioning

The seamless design allows highly precise positioning over the entire length of the belt and gentle product conveyance without damage or bottlenecks. Tighter product spacing on the belt supports increased throughput and results in greater efficiency.

Drive power transmission

HabaSYNC® seamless timing belts offer the highest possible and most efficient drive power transmission. They feature low noise and minimal start-up delay due to their low mass inertia and a high torsional stiffness, which provide the added benefits of smooth running and precise directional stability. The seamless design with uniform and precise tooth pitch over the entire belt length ensures flawless operation, especially for high power transmission.

Materials

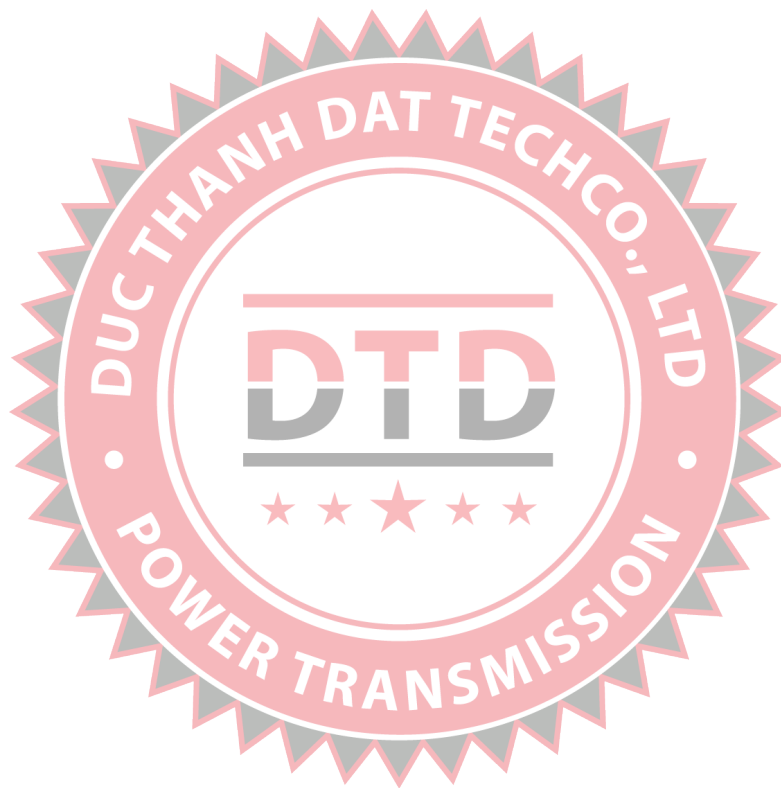
HabaSYNC® seamless timing belts are made with the same high quality cords and TPU materials as our open end timing belts. Seamless timing belts can be produced with friction-reducing, wear-resistant polyamide fabric on the tooth side. These polyamide fabrics are also available with antistatic properties.



HabaSYNC® cast timing belts integrate the best of Habasit timing belt expertise with the design accuracy and dimensional precision of a molded belt solution.

Cast belts are made with thermoset elastomers such as cast polyurethane and silicones and with a wide variety of cords including steel, aramid, polyester and fiberglass. The molds can be machined to yield intricate shapes and contours to match application needs.

Cast belts are typically provided when a complex construction is required and molding is the right solution.



To help meet the most demanding application needs, a vast selection of different covers and surface structures for HabaSYNC® timing belts is available.

Habasit offers the largest cover portfolio on the market, giving you a choice of over 100 different types of covers, divided into six material groups:

- Elastomer / rubber
- PVC
- Polyurethane
- PET / fleece
- Foams
- Special materials



Our wide range of cover options allows a broad selection of mechanical, physical, and chemical properties to fit your application needs. To select the best cover for your application, please refer to the technical table on pages 30–51, where you will find all materials, sorted by surface structure, thickness, durometer and temperature range.

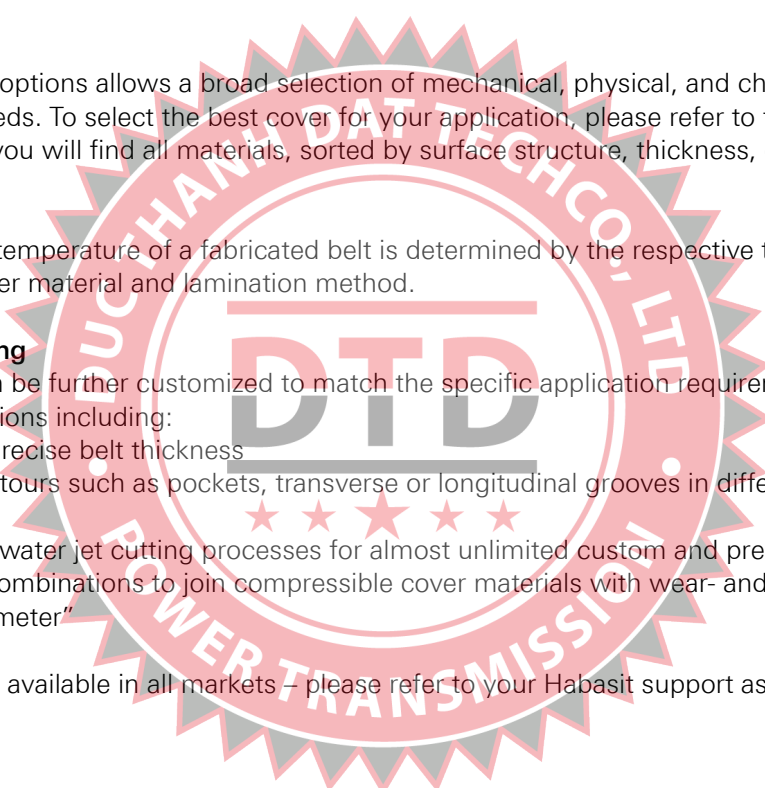
The allowable operating temperature of a fabricated belt is determined by the respective temperature range of the base timing belt, cover material and lamination method.

Custom cover processing

Most cover materials can be further customized to match the specific application requirements. Habasit offers advanced fabrication options including:

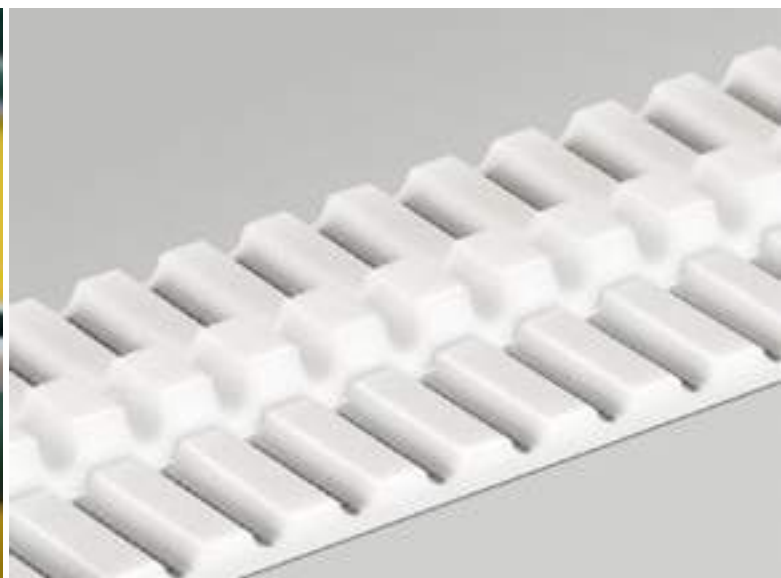
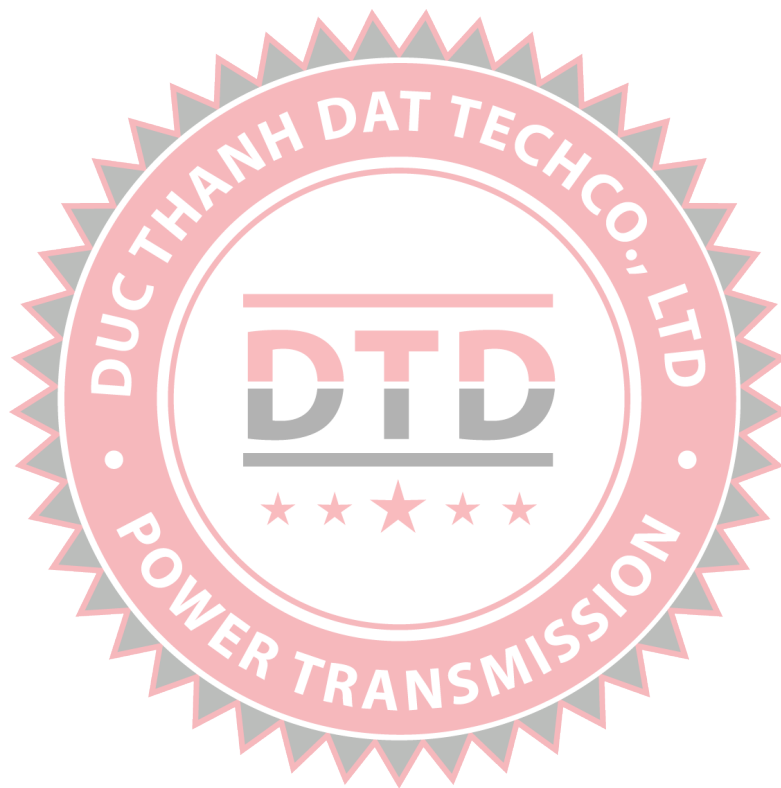
- Surface grinding for precise belt thickness
- Milling of surface contours such as pockets, transverse or longitudinal grooves in different shapes and precision tolerances
- Drilling, punching, or water jet cutting processes for almost unlimited custom and precise perforations
- Production of cover combinations to join compressible cover materials with wear- and abrasion-resistant materials, “dual-durometer”

Some covers may not be available in all markets – please refer to your Habasit support associate.



V-guides, and other longitudinal profiles, can be added to HabaSYNC® timing belts to help track the belt or assist in conveying and product placement. Habasit offers a full array of industry standard and custom profiles.

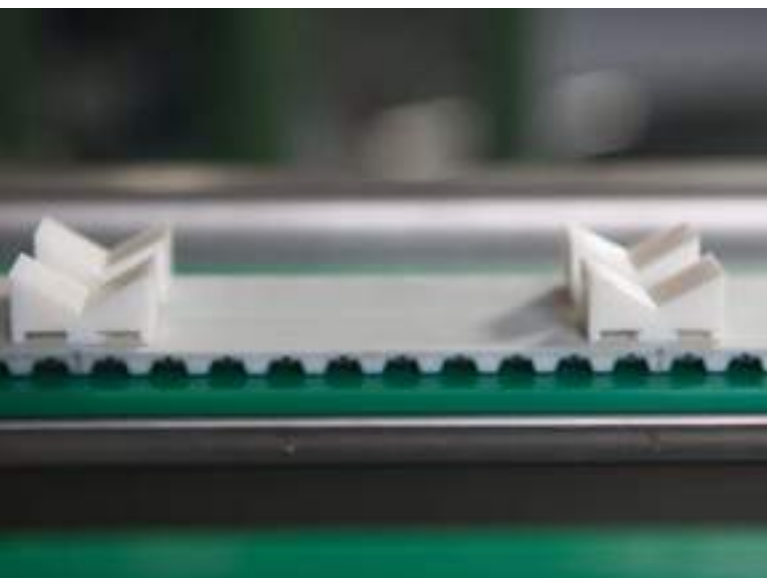
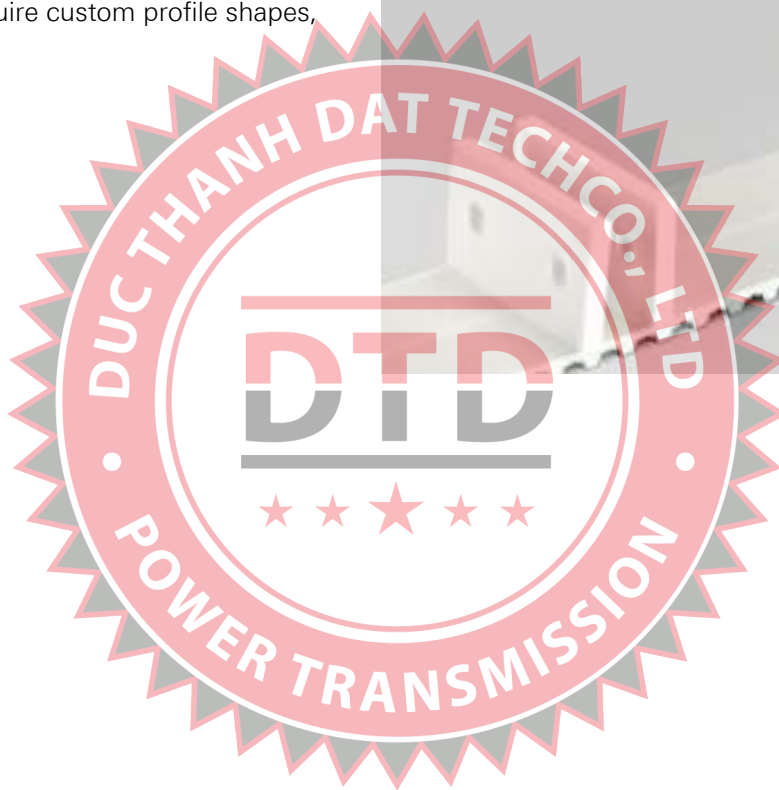
V-guides are available notched and unnotched.



Welded cleats

Cleats (TPU profiles) can be welded onto the convey side of the timing belt in any number, shape, or placement using high-frequency welding (HF), friction welding, or infrared welding. Cleats are particularly important for applications in the packaging and food processing industries.

In addition to the standard TPU materials; different durometer, TPU with food approval, and special properties are also available. As an option, profiles can be reinforced by supports (gussets) made of the same material, and are offered with perforations for attachments. If you require custom profile shapes, these can be produced.



False teeth attachments

The Habasit false teeth system makes it possible to attach profiles that cannot be welded to polyurethane timing belts due to their size and/or material characteristics; or when a more robust cleat attachment is required. The false teeth system forms a high-strength, detachable profile connection.

In this form of mechanical fastening, a profile is fastened with screws to a false tooth that is inserted into the teeth after the individual teeth have been machined. This ensures that the connection load is distributed along the entire width of the tooth and is firmly mechanically attached to the belt.

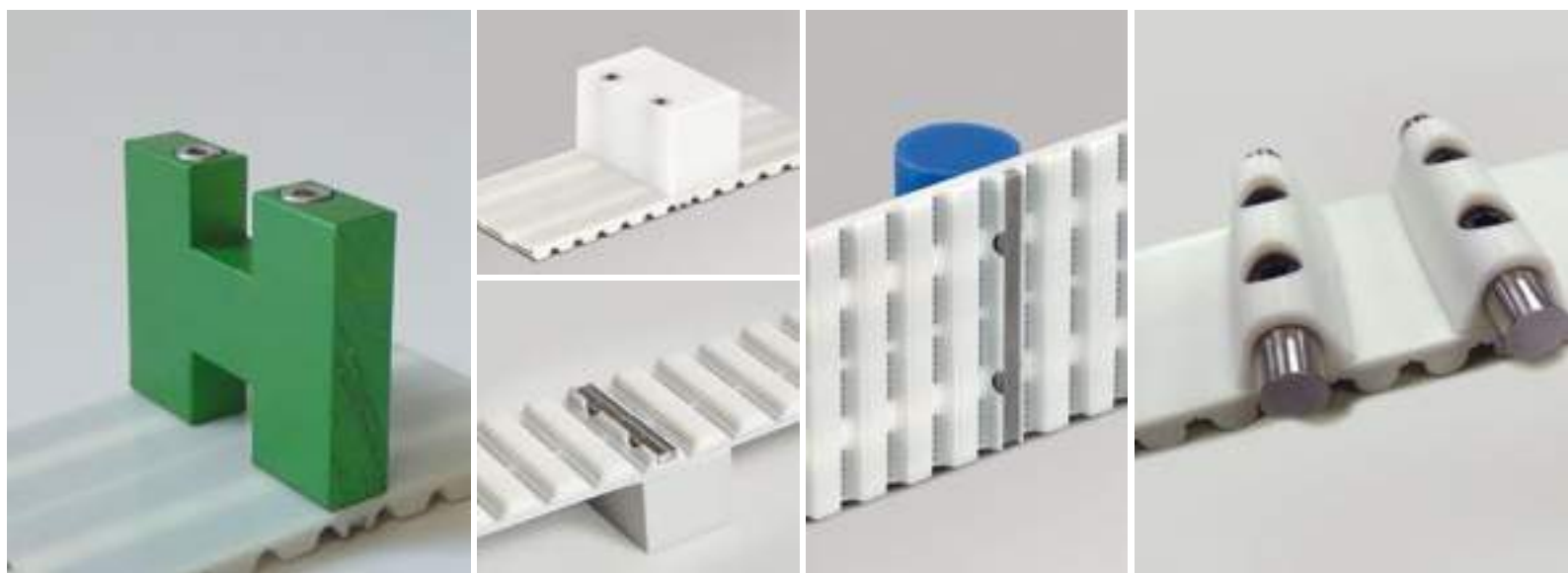
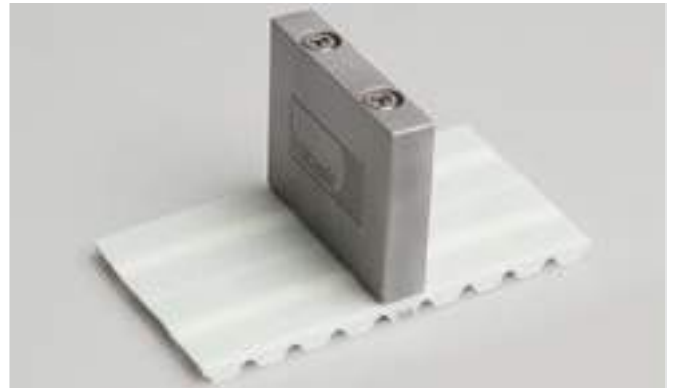
Habasit's unique false tooth design for profile attachments offers more robust construction, greater design flexibility, and better durability than typical industry options. It can be used with all timing belt types: open-end, wide, seamless or cast timing belts. False teeth stainless steel construction makes them ideal for FDA/EU food handling applications.

The false teeth system is available as an all-metal tooth or embedded tooth. The all-metal tooth replaces the complete belt tooth. The embedded tooth prevents direct contact between the metal and pulley metal allowing it to run more smoothly and preventing increased wear on the pulley.

Benefits

- Economical: as worn cleats can be easily replaced at little cost
- Flexible: lets customers interchange the attached cleats as needed
- For applications in food technology, pharmaceuticals, and for moist ambient conditions, the material is available in stainless steel
- The cleat is mechanically attached and can transmit considerably higher forces than welded profiles

The HabaSYNC® false teeth fastening system is a perfect solution for precise attachment and cleat spacing. It is available for the following tooth profiles: AT10, AT20, T10, T20, H, XH, 8M, 14M.



Modifications to HabaSYNC® timing belts can enhance the performance of your conveying and linear positioning applications. In addition to the wide selection of covers and the attachment of individual profiles, Habasit offers a comprehensive range of timing belt products for specific system designs. Milling, grinding, and perforations provide countless ways to adapt the entire HabaSYNC® portfolio to your exact application requirements.

Milling of the conveying side

Grooves milled in a transversal (lateral) direction on the conveying side of the belt produce better flexibility and can also be used for secure accommodation and better positioning of products.

Grooves milled in a longitudinal direction can be used to guide the belt, or to place a product in a proper position for picking, sorting or other processing steps.



Milling pockets

Pockets are mostly used for predefined product placements on the belt or in connection with perforations for applications in vacuum technology where optimized suction capacity is required.

Grinding the conveying side

Most HabaSYNC® timing belts can be finished by grinding the conveying side to provide improved thickness tolerances or deliver more friction through a roughened surface.

Grinding belt edges

Belt edges can be ground to meet tighter belt width tolerances, which can be particularly important for guiding belts through rails.

Removing teeth

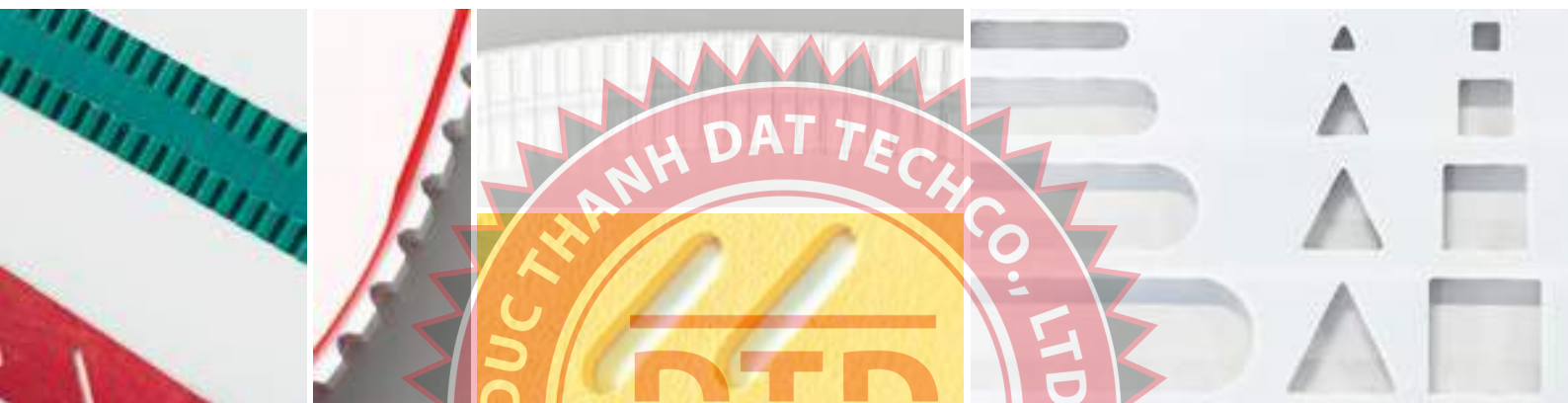
When required, a single tooth or groups of teeth can be removed.

Longitudinal groove in tooth side

HabaSYNC® timing belts with a longitudinal tooth groove are used to guide belts, accommodate welded guiding profiles, and in combination with perforations for vacuum technology.

Perforating timing belts

Perforated HabaSYNC® timing belts are used for vacuum conveying technology, among other uses. A variety of hole shapes are available across the entire HabaSYNC® portfolio.



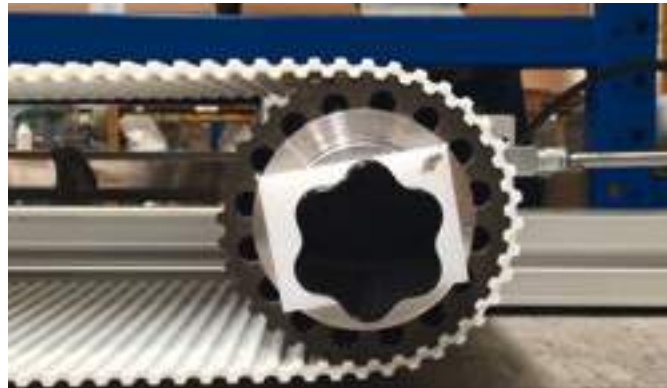
Transverse slotting

Transversal slots (lateral sipes) in covers improve belt flexibility and increase belt life.

Water jet cutting

Water jet cutting technology offers very accurate cutout shapes and designs, including special finger shapes for open-end connections. The technology features precise cutting edges, high cutting accuracy, very low heat development.

Double-sided timing belts can be used for all tasks where positive drive transmission or synchronization is required on both sides of the belt. The standard version of double-sided HabaSYNC® open-end and seamless timing belts is a composite construction of abrasion resistant polyurethane and high-strength cord materials. Both tooth sides are fully loadable.



Double-sided belt types with steel cords The following double-sided belt types are available as standard.		Manufacturing dimensions	
		Max. coil length [mm]	Max. belt width [mm]
Manufactured according to DIN 7721 with tooth over tooth gap			
DT5	DT5 Polyamide fabric added to the tooth side	38,000	150
DAT5	DAT5 Polyamide fabric added to the tooth side		
DT10	DT10 Polyamide fabric added to the tooth side		
DAT10	DAT10 Polyamide fabric added to the tooth side		
DT20	DT20 Polyamide fabric added to the tooth side		
DAT20	DAT20 Polyamide fabric added to the tooth side		
Manufactured according to ISO 13050 with tooth over tooth			
D5M	D5M Polyamide fabric added to the tooth side	38,000	150
D8M	D8M Polyamide fabric added to the tooth side		
D14M	D14M Polyamide fabric added to the tooth side		

All other pitches and different milling shapes must be fabricated and manufactured to order.

Habasit offers a wide range of timing belt pulleys for all applications, including custom pulleys for special functional and quality requirements for almost all drives.

The quality of a timing belt pulley is essential for the efficient functioning, smooth running, and long life of a timing belt drive. Combining HabaSYNC® timing belts with HabaSYNC® pulleys ensures you the best possible transmission behavior.



Habasit's pulley range is divided into three groups:

- Standard pulleys have a standard design and materials, and are prepared with a core bore for shaft support
- Standard modified pulleys have a standard design and materials, and are finished and modified by Habasit to support a shaft according to the customer's specification
- Custom pulleys are manufactured to order according to the customer's specification

State-of-the-art manufacturing technology lets us offer you extensive processing options as well as special shapes. Pulleys with zero backlash or other special requirements are available.

Materials

Habasit products are made using only RoHS compliant materials following the implementation of directive 2002/95/EC.

We offer a variety of materials for different pulley application areas.

- **Standard pulleys made of high-quality aluminum**
Used for components subjected to high stresses and oscillation; offer very good corrosion resistance
- **Special pulleys made of steel and stainless steel**
Made for low to high loads, with good corrosion resistance, especially for the food industry
- **Special pulleys made of plastic**
Made for low to medium loads, with good chemical resistance, especially for the food industry

Surface treatments

The following surface treatments are offered as required:

- **For aluminum:** anodization, hard anodization, or hard coating
- **For steel:** zinc coating, burnishing, chemical nickel plating
- **For stainless steel:** electrochemical etching and polishing

Clamp plates

Timing belt clamp plates are used to join the HabaSYNC® belt ends in linear positioning and vertical lift applications where the belt moves bi-directionally between the pulleys on a horizontal or vertical plane. Clamp plates may be ordered in all pitches.

The HabiPLAST range

The HabiPLAST product portfolio includes machined profiles made of ultra-high-molecular-weight polyethylene (UHMW PE) that are used as a sliding support in conveying and linear movement applications for HabaSYNC® timing belts.

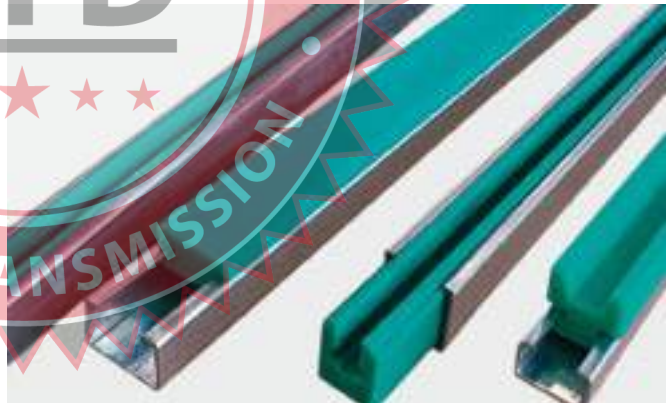
The TPU material offers good friction and wear resistance. This can be further enhanced when support guides are used improving the performance of the conveyor line and reducing energy consumption.

HabiPLAST guides support the load and prevent belt deflection. When side forces exist, edge guides prevent belt wandering.

HabiPLAST guides reduce the coefficient of friction (COF) between the teeth on HabaSYNC® timing belts and the supporting conveyor surface. These guides are self-lubricating and designed to yield low noise.

The material also provides good chemical and corrosion resistance.

HabiPLAST guides are available with or without raised edges, with a flat support surface or with tracking guides machined in the HabiPLAST surface to accommodate G6, G10 and G13 guides. HabiPLAST is available to fit standard HabaSYNC® timing belt widths and can be supplied with or without metallic inserts.



Service life of belt drives depend on several aspects.

Two of the most important factors are:

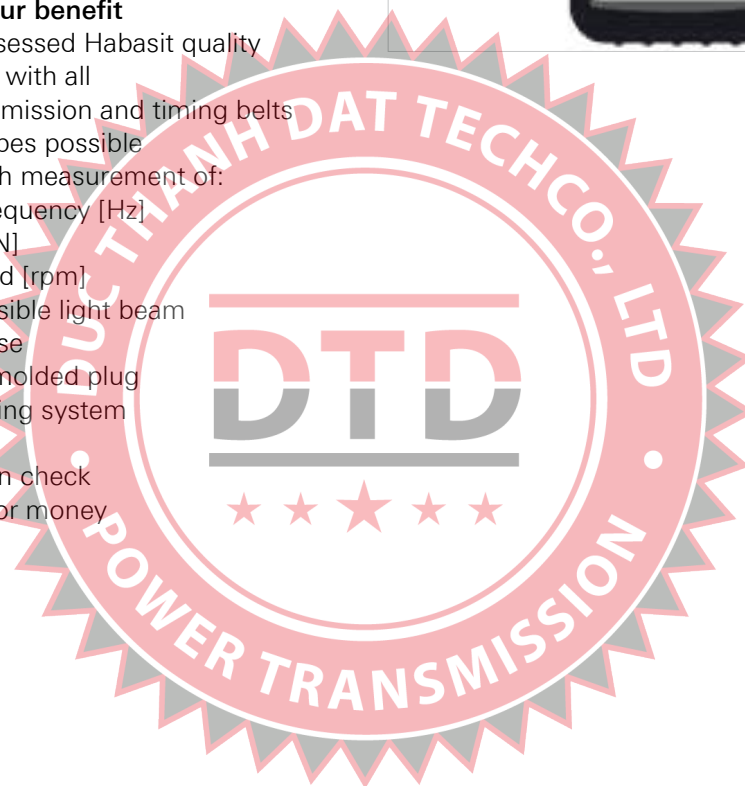
- Correct belt selection and dimensioning
- Proper belt installation and tensioning

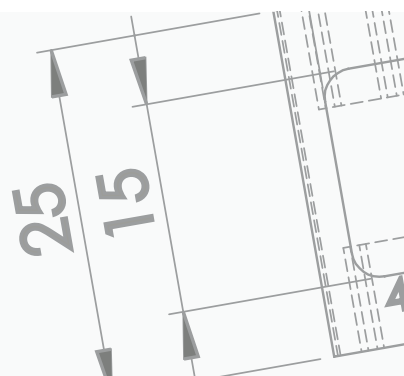
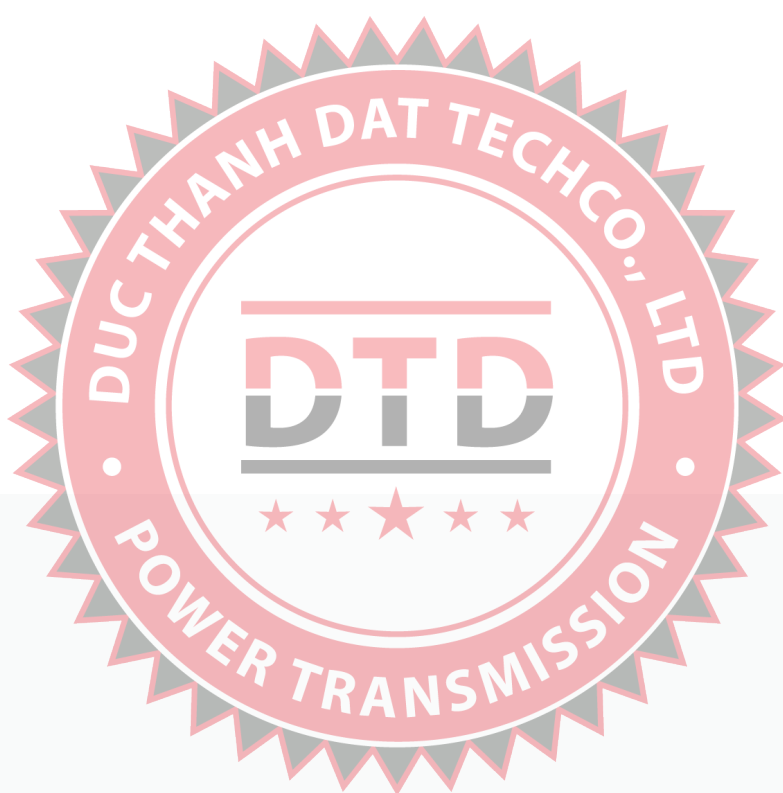
To assure a correct dimensioning you can consult the **Habasit SeleCalc programs**. To assure correct installation, Habasit provides the most helpful belt tension meter BTM-1. With just a few steps you can exactly determine the real belt tension and adjust if necessary.



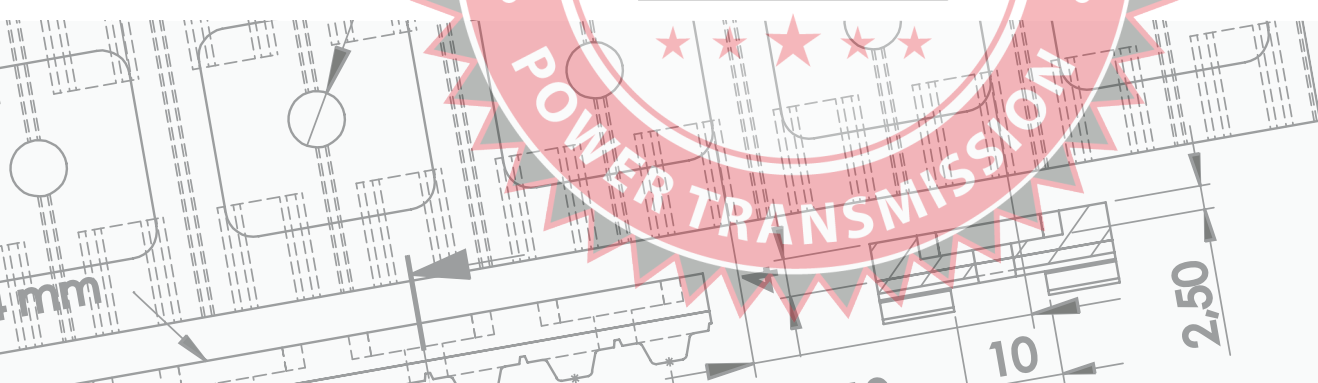
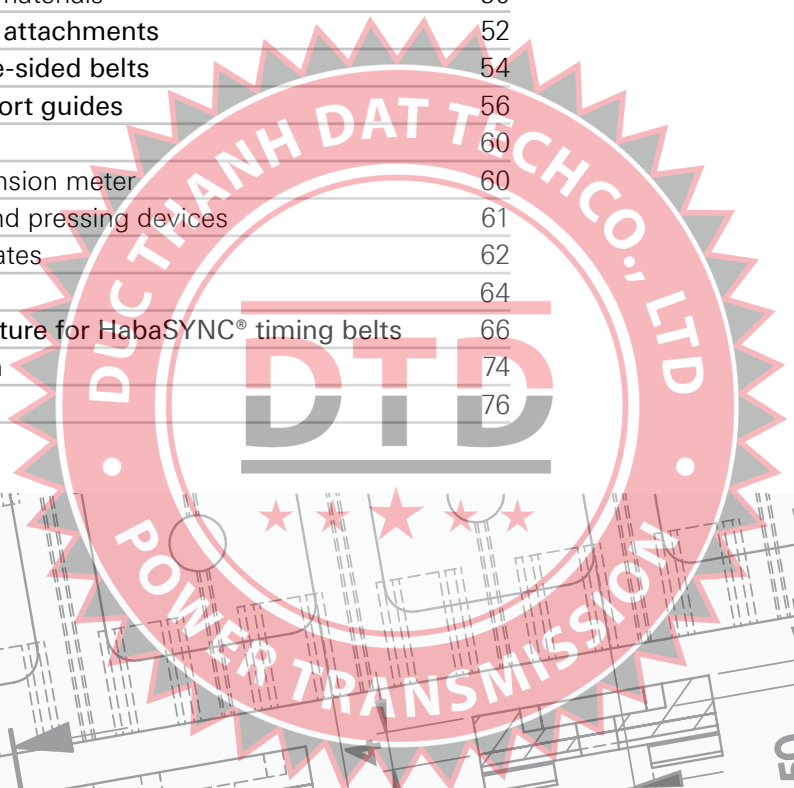
Our knowledge for your benefit

- Design with well-assessed Habasit quality
- Integrated database with all Habasit power transmission and timing belts
- User defined belt types possible
- Customized belt with measurement of:
 - Belt strand frequency [Hz]
 - Belt tension [N]
 - Rotation speed [rpm]
- Bright and clearly visible light beam
- Shock absorbing case
- Robust probe with molded plug
- User-friendly operating system
- Background light
- Sensor calibration on check
- Outstanding value for money

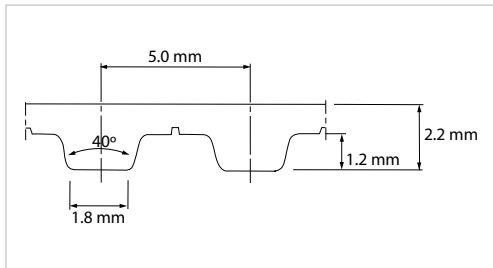




Sketches of basic pitch shape	22
HabaSYNC® open-end timing belts	24
HabaSYNC® wide timing belts	26
HabaSYNC® flex seamless timing belts	27
HabaSYNC® design and calculations	28
Covers	30
Covers – elastomer materials	31
Covers – PVC materials	35
Covers – polyurethane materials	38
Covers – PET / fleece	45
Covers – foam materials	47
Covers – special materials	50
Cleats – false teeth attachments	52
HabaSYNC® double-sided belts	54
HabiPLAST™ support guides	56
Tools	60
Tools – BTM-1 tension meter	60
Tools – cutting and pressing devices	61
Tools – joining plates	62
Tolerances	64
Product code structure for HabaSYNC® timing belts	66
Solutions in motion	74
Contacts	76

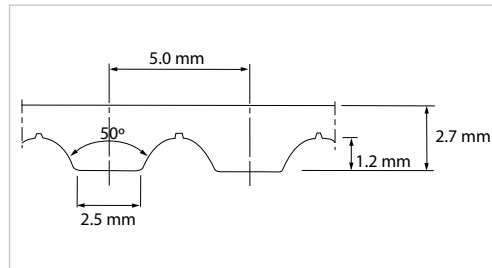


T5



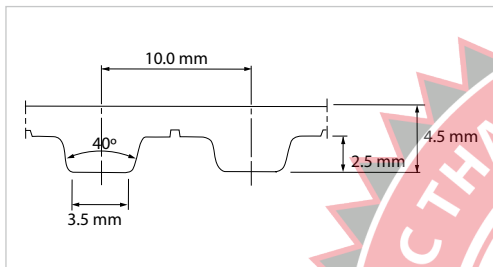
Sketch of basic shape according to DIN 7721

AT5



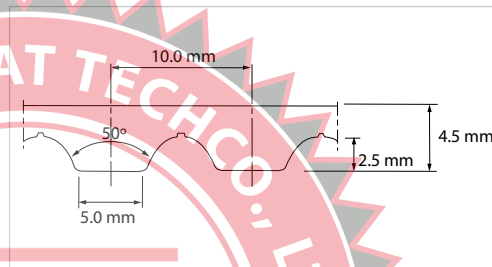
Sketch of basic shape

T10



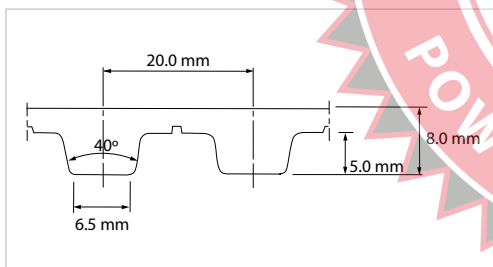
Sketch of basic shape according to DIN 7721

AT10



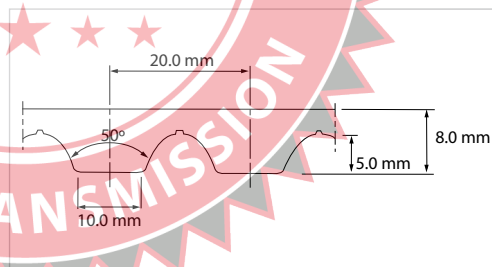
Sketch of basic shape

T20

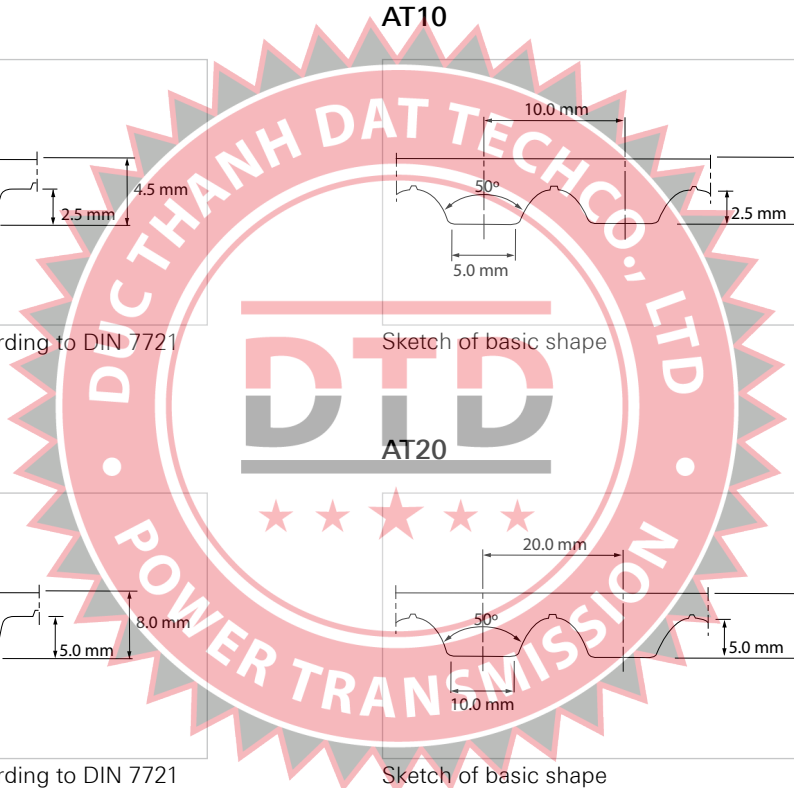


Sketch of basic shape according to DIN 7721

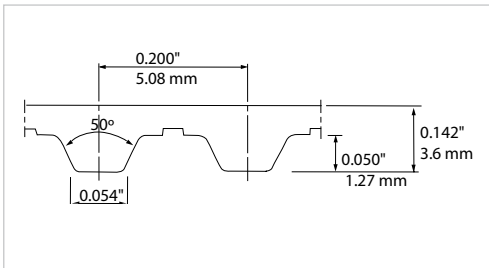
AT20



Sketch of basic shape

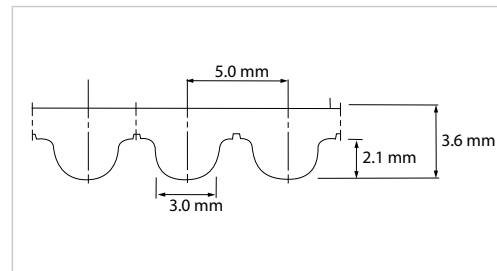


XL



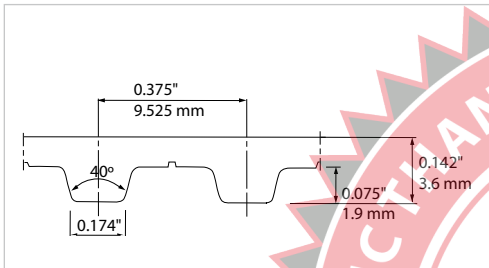
Sketch of basic shape according to ISO 5296

5M (HTD)



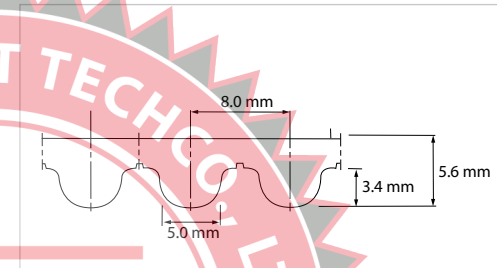
Sketch of basic shape

L



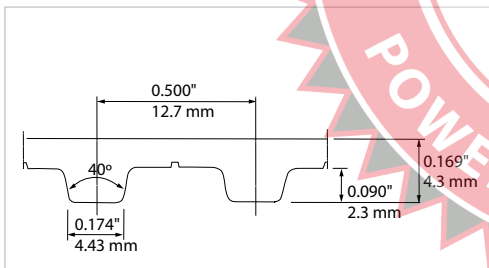
Sketch of basic shape according to ISO 5296

8M (HTD)



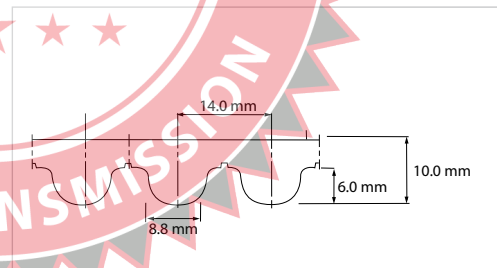
Sketch of basic shape according to ISO 13050

H



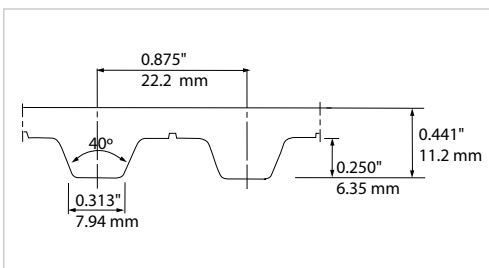
Sketch of basic shape according to ISO 5296

14M (HTD)



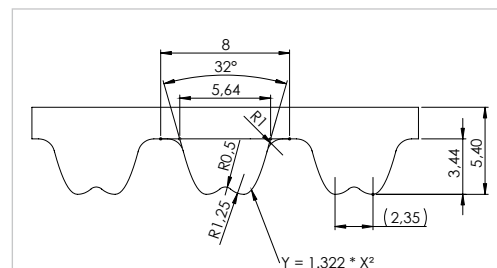
Sketch of basic shape according to ISO 13050

XH



Sketch of basic shape according to ISO 5296

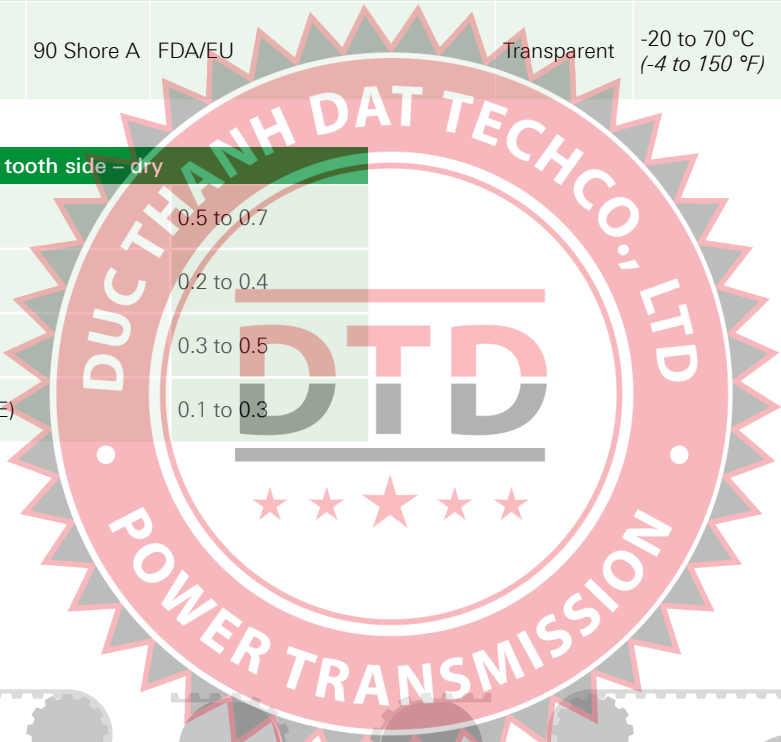
RPP8



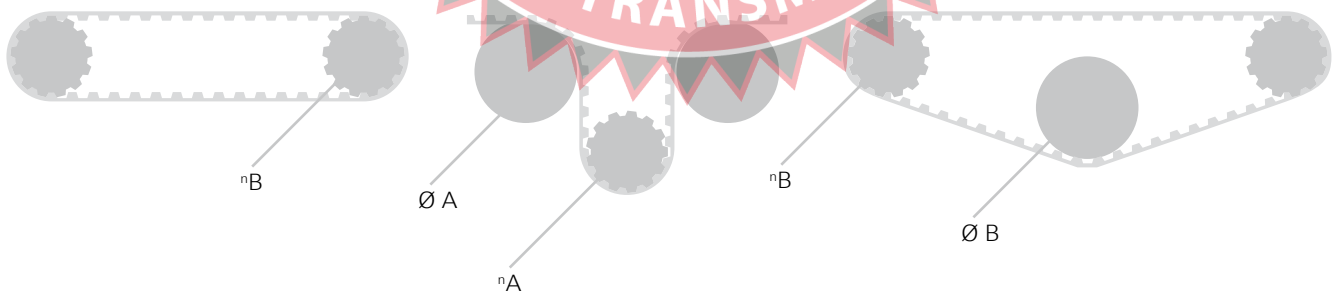
Sketch of basic shape

Code	Material	Hardness	Properties	Color	Temperature range	Cords used
01	Polyester urethane	92 Shore A	High abrasion resistance	White	-20 to 80 °C (-4 to 176 °F)	S = Steel A = Aramid P = Performance I = Stainless steel
03	Polyester urethane	88 Shore A	Good abrasion resistance	Green	-20 to 70 °C (-4 to 150 °F)	A = Aramid
04	Polycarbonate urethane	92 Shore A	Good microbial resistance	White	-20 to 80 °C (-4 to 176 °F)	A = Aramid
05	Polyether urethane	90 Shore A	Good hydrolysis features, FDA/EU	Cobalt blue	-30 to 80 °C (-22 to 176 °F)	A = Aramid I = Stainless steel
06	Polyester urethane	92 Shore A	High abrasion resistance	Black	-20 to 80 °C (-4 to 176 °F)	S = Steel A = Aramid
09	Polycarbonate urethane	92 Shore A	Good microbial resistance	Black	-20 to 80 °C (-4 to 176 °F)	A = Aramid
22	Polyester urethane	90 Shore A	FDA/EU	Transparent	-20 to 70 °C (-4 to 150 °F)	S = Steel A = Aramid I = Stainless steel

Coefficient of friction (COF) tooth side – dry	
TPU against steel	0.5 to 0.7
Polyamide against steel	0.2 to 0.4
TPU against UHMW (PE)	0.3 to 0.5
Polyamide against UHMW (PE)	0.1 to 0.3



Minimum pulley size



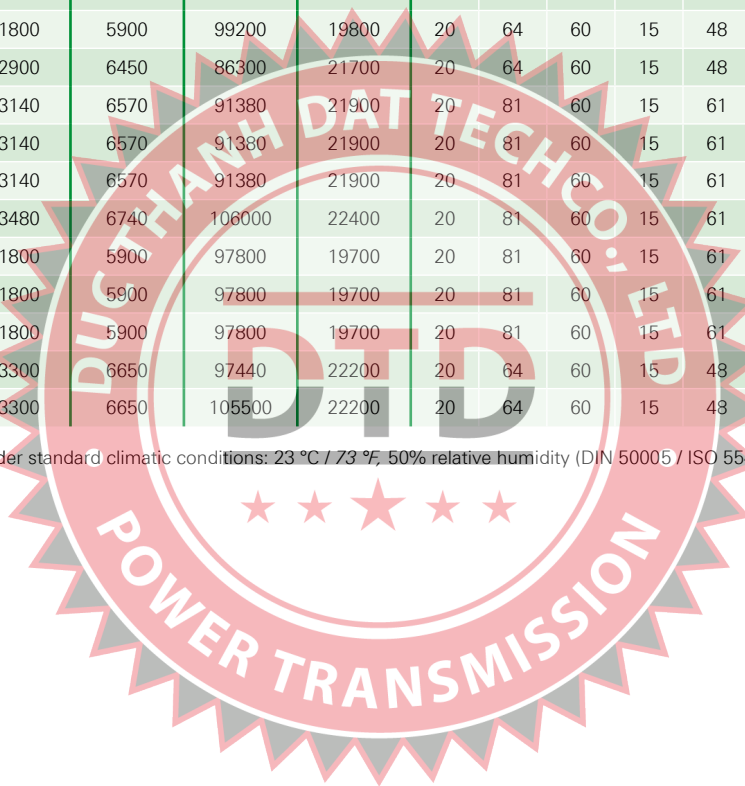
For the latest updates and additional information on HabaSYNC® belts, visit: www.habasync.com
 All HabaSYNC® timing belts are also available with polyamide fabric on tooth and/or conveying side.

Metric pitch																		
Belt type	Belt width [mm]		Admissible tensile force open-end belt [N]		Admissible tensile force joined belt [N]		Tensile strength [N]		Tensile force for 1% elongation [N]		Minimum pulley size*						Belt weight [kg/m]	
			Steel	Aramid	Steel	Aramid	Steel	Aramid	Steel	Aramid	°A	Ø dp (°A)	Ø A	°B	Ø dp (°B)	Ø B	Steel	Aramid
	mm	inch	N	lbf	N	lbf	N	lbf	N	lbf	Teeth	mm	inch	Teeth	mm	inch	Steel	Aramid
Metric pitch – trapezoidal shape – T type																		
TT5	10		600		300		3200		1000	15	24	30	12	19	30		0.03	
T5	25	840	840	420	420	3 500	6 500	2 100	1 400	15	24	30	12	19	30	0.06	0.05	
T10	25	2 200	2 000	1 100	1 000	9 240	15 400	5 500	3 333	20	64	60	12	38	60	0.12	0.10	
T20	25	3 500	3 500	1 750	1 750	15 200	26 600	8 750	5 833	25	160	120	15	96	120	0.19	0.16	
Metric pitch – trapezoidal shape – AT type																		
AT5	25	1 750	1 750	875	875	7 410	12 100	4 375	2 833	25	40	60	15	24	25	0.09	0.08	
AT5P	25	2 200				8 800		5 500		25	40	60	25	40	40	0.09		
AT10	25	3 500	3 500	1 750	1 750	15 200	26 600	8 750	5 833	25	80	120	15	48	50	0.15	0.11	
AT10P	25	5 000				24 220		12 500		25	80	180	18	57	120	0.17		
AT20	25	5 000		2 500		24 220		12 500		25	160	180	18	115	120	0.24		
AT20P	25	9 167				33 000		22 920		25	160	250	18	115	160	0.30		
ATM10	25	2 600		1 300		11 600		6 500		25	80	120	15	48	50	0.13		
ATM20	25	3 500		1 750		16 000		8 750		25	160	180	18	115	120	0.22		
Metric pitch – curvilinear shape – HTD type																		
5M	25	1 750	3 500	875	1 750	7 410	10 000	4 375	5 835	16	26	60	16	26	25	0.09	0.11	
8M	25	3 500		1 750		15 200		8 750		18	46	100	18	46	50	0.16		
14M	25	5 000		2 500		24 220		12 500		25	112	180	25	112	115	0.28		
RPP8	25	3 500		1 750		15 200		8 750		18	46	100	18	46	50	0.16		
Imperial pitch																		
Belt type	Belt width		Admissible tensile force open-end belt		Admissible tensile force joined belt		Tensile strength		Tensile force for 1% elongation		Minimum pulley size*						Belt weight [kg/m]	
			Steel	Aramid	Steel	Aramid	Steel	Aramid	Steel	Aramid	°A	Ø dp (°A)	Ø A	°B	Ø dp (°B)	Ø B	Steel	Aramid
	mm	inch	N	lbf	N	lbf	N	lbf	N	lbf	Teeth	mm	inch	Teeth	mm	inch	Steel	Aramid
Imperial pitch – trapezoidal shape																		
XL	25	840	840	420	420	3 444	6 394	2 100	1 400	15	24	30	12	20	30	0.06	0.05	
	1.00	188	188	84	84	774	1437	472	315		0.945	1.18		0.787	1.18			
L	25	1 700	1 700	850	850	7 293	11 874	4 250	2 833	20	61	60	15	46	60	0.10	0.08	
	1.00	382	382	191	191	1693	2669	955	637		2.40	2.36		1.81	2.36			
H	25	2 200	2 000	1 100	1 100	9 095	15 158	5 500	3 333	20	80	80	14	57	60	0.12	0.10	
	1.00	495	450	247	247	2045	3408	1236	749		3.15	3.15		2.24	2.36			
XH	25	3 500	3 500	1 750	1 750	14 961	26 700	8 750	5 833	20	141	180	18	127	150	0.28	0.24	
	1.00	786	786	393	393	3363	6002	1967	1311		5.55	7.09		5.00	5.91			

*All data are approximate values under standard climatic conditions: 23 °C / 73 °F, 50% relative humidity (DIN 50005 / ISO 554)

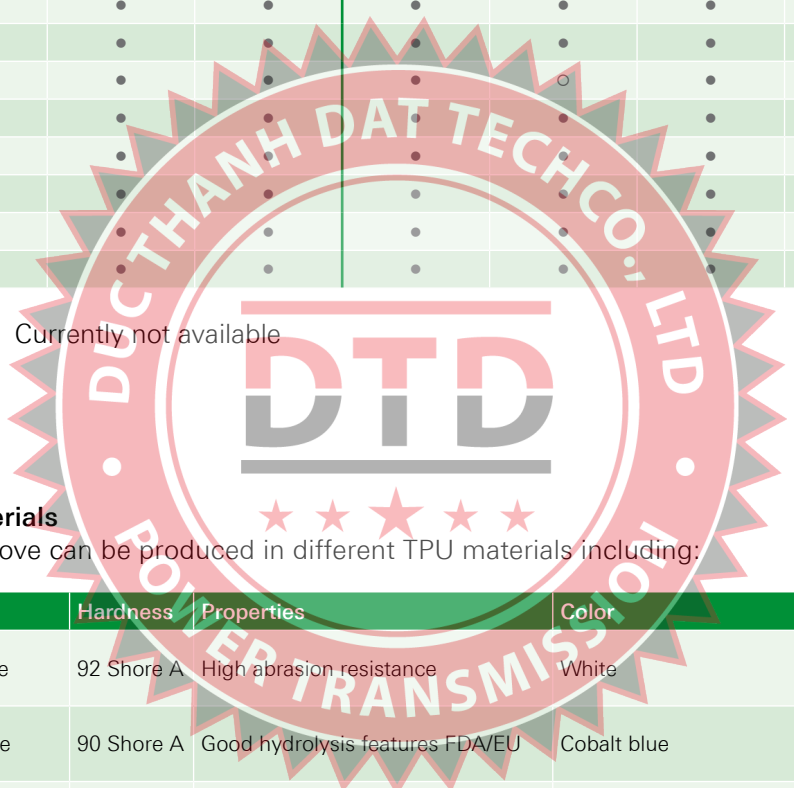
Belt type	Belt width [mm]	Admissible tensile force open-end belt [N]	Admissible tensile force joined belt [N]	Tensile strength [N]	Tensile force for 1% elongation [N]	Minimum pulley size*						Belt weight [kg/m]
		Aramid	Aramid	Aramid	Aramid	ⁿ A	Ø dp (ⁿ A)	Ø A	ⁿ B	Ø dp (ⁿ B)	Ø B	Aramid
						[Teeth]	[mm]	[mm]	[Teeth]	[mm]	[mm]	
WT10A04UU1X600	609	13100	6550	97440	21900	20	64	60	15	48	60	2.14
WT10A04PU1X600	609	13100	6550	97440	21900	20	64	60	15	48	60	2.17
WT10A04PP1X600	609	13100	6550	97440	21900	20	64	60	15	48	60	2.20
WT10A22UU1X600	609	11800	5900	99200	19800	20	64	60	15	48	60	2.14
WT10A22PU1X600	609	11800	5900	99200	19800	20	64	60	15	48	60	2.17
WT10A22PP1X600	609	11800	5900	99200	19800	20	64	60	15	48	60	2.20
WT10A05UU1X600	609	12900	6450	86300	21700	20	64	60	15	48	60	2.14
WHA04UU1X600	609	13140	6570	91380	21900	20	81	60	15	61	60	2.14
WHA04PU1X600	609	13140	6570	91380	21900	20	81	60	15	61	60	2.17
WHA04PP1X600	609	13140	6570	91380	21900	20	81	60	15	61	60	2.20
WHA05UU1X600	609	13480	6740	106000	22400	20	81	60	15	61	60	2.14
WHA22UU1X600	609	11800	5900	97800	19700	20	81	60	15	61	60	2.14
WHA22PU1X600	609	11800	5900	97800	19700	20	81	60	15	61	60	2.17
WHA22PP1X600	609	11800	5900	97800	19700	20	81	60	15	61	60	2.20
WT10A09UU1X600	609	13300	6650	97440	22200	20	64	60	15	48	60	2.14
WHA09UU1X600	609	13300	6650	105500	22200	20	64	60	15	48	60	2.14

*All data are approximate values under standard climatic conditions: 23 °C / 73 °F, 50% relative humidity (DIN 50005 / ISO 554).



Pitch	Tooth-side cover			Cords				
	Without cover	Green polyamide material	Black polyamide antistatic material	Steel	Aramid	Stainless steel	High flexible	Performance
T5	●	●	●	●	●	●	●	○
T10	●	●	●	●	●	●	●	○
T20	●	●	●	●	●	●	●	●
AT5	●	●	●	●	●	●	●	○
AT10	●	●	●	●	●	●	●	●
AT20	●	●	●	●	○	●	○	●
5M (HTD)	●	●	●	●	●	●	●	○
8M (HTD)	●	●	●	●	●	●	●	●
14M (HTD)	●	●	●	●	○	●	○	○
RPP8	●	●	●	●	●	●	●	●
XH	●	●	●	●	●	●	●	●
H	●	●	●	●	●	●	●	○
L	●	●	●	●	●	●	●	○
XL	●	●	●	●	●	●	●	○

● Available ○ Currently not available



Availability of materials

All of the pitches above can be produced in different TPU materials including:

Code	Material	Hardness	Properties	Color	Temperature range
01	Polyester urethane	92 Shore A	High abrasion resistance	White	-20 to 80 °C (-4 to 176 °F)
05	Polyether urethane	90 Shore A	Good hydrolysis features FDA/EU	Cobalt blue	-30 to 80 °C (-22 to 176 °F)
06	Polyester urethane	92 Shore A	High abrasion resistance	Black	-20 to 80 °C (-4 to 176 °F)
22	Polyester urethane	90 Shore A	FDA/EU	Transparent	-20 to 70 °C (-4 to 150 °F)

Slit lane configuration

Slit lanes are fully customizable per request. In case of doubts get in touch with a Habasit representative.

Calculation	Formula
Power calculation	$P = M \cdot \omega = M \cdot 2 \cdot \pi \cdot n$
Peripheral force calculation	$F_u = F_i \cdot z_e \cdot b$
Torque calculation	$M = \frac{M_i \cdot d \cdot \pi \cdot z_e \cdot b}{P_b}$
Pitch diameter calculation	$d = \frac{z \cdot P_b}{\pi}$
Calculation of number of engaged teeth	$z_e = \frac{z_1}{180} \cdot \arccos \frac{(z_2 - z_1) \cdot P_b}{2 \pi e}$
Maximum number of engaged teeth for calculation	$z_e \text{ max} = 12$

Term	Habasit symbol
Rotational speed [rpm]	n
Belt speed [m/s]	v
Power [W]	P
Number of teeth on small pulley	z ₁
Number of teeth on large pulley	z ₂
Belt pitch [mm]	P _b
Centerline distance [mm]	e
Peripheral force of timing belt	F _u
Specific peripheral force per engaged tooth and per cm of belt width (see data tables*)	F _i
Torque capacity of timing belt	M
Torque capacity per engaged tooth and per cm of belt width (see data tables*)	M _i
Number of teeth engaged	z _e
Maximum number of teeth engaged that can be used for timing belt calculation	z _e max
Pitch diameter [mm]	d
Belt width [cm]	b

* data required for calculation of specific belt is available in product data sheets available on www.habasit.com

Given

Power	10 kW
Rotational speed	800 min ⁻¹
Pulley data	z = 30; d = 93.6 mm
Timing belt	FAT10

What is the required belt width?

Calculation

$$M = \frac{P}{\omega} = \frac{P}{2 \cdot \pi \cdot n}$$

$$M = \frac{10,000 \text{ Nm} \cdot 60 \text{ s}}{2 \cdot \pi \cdot 800 \text{ s}} = 119.37 \text{ Nm}$$

Using the FAT10 torque table* for 800 rpm, we find $M_i = 0.083 \text{ Nm/cm belt width}$.

With

$$M = \frac{M_i \cdot d \cdot \pi \cdot z_e \cdot b}{P_b}$$

we get the belt width b:

$$b = \frac{P_b \cdot M}{M_i \cdot d \cdot \pi \cdot z_e}$$

$$b = \frac{10 \text{ mm} \cdot 119.37 \text{ Nm} \cdot \text{cm}}{0.083 \text{ Nm} \cdot 93.6 \text{ mm} \cdot \pi \cdot 12} = 4.07 \text{ cm}$$

Choose the next larger belt width: **50 mm**

For longer periods of operation and high loads, the safety factors of 1.2 to 2.5 commonly used in engineering should be employed to ensure functional reliability. For dimensioning timing belts in terms of applications engineering for power transmission jobs, the unit load table* is solely determinant.

* data required for calculation of specific belt is available in product data sheets available on www.habasit.com

Deflection diameter D_{\min}

Please note that timing belts with covers have lower flexibility and may require pulleys with a larger diameter. The minimum deflection diameter is calculated using the thickness factor for each cover type.

Deflection diameter = cover material thickness in mm x thickness factor

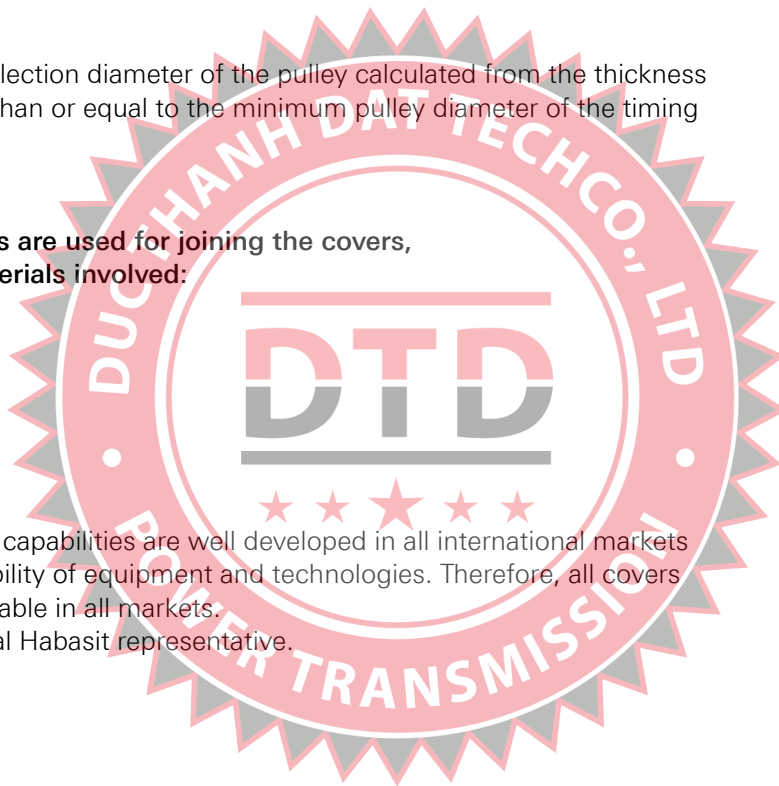
As a rule, the thicker the cover material, the larger the pulley deflection diameter must be.






Note: The minimum deflection diameter of the pulley calculated from the thickness factor must be greater than or equal to the minimum pulley diameter of the timing belt with cover.

The following methods are used for joining the covers, depending on the materials involved:

- Thermal welding
- Skived joints
- Butt seams
- Seamless joints
- Open-end joints

HabaSYNC® fabrication capabilities are well developed in all international markets but there is some variability of equipment and technologies. Therefore, all covers may not be readily available in all markets. Please consult your local Habasit representative.



	Correx	CT	EAT	EPDM-Rubber 70	HAB
Cover					
Material	Natural rubber	NBR	NBR	EPDM	NBR
Surface structure	Smooth	Rough textile	Rough textile	Matt	Smooth
Abrasion resistance	+	+++	++	+++	+++
Friction	+++	+++	+++	++	+++
Release properties	++	+++	+++	+++	+++
Wear resistance	++	+++	++	++	+++
Cut resistance	+++	+++	+++	++	++
Compressibility	+	+	+	+	+
Oil and grease resistance	++	+++	+++	++	+++
Ozone- and UV-resistance	No	No	No	Yes	No
Antimicrobial	No	No	No	No	No
Antistatic	No	No	Yes	No	No
Electrically conductive	No	★ No ★	★ Yes ★	No	No
Hydrolysis resistance	+++	+++	+++	+++	+++
Flame retardance	No	No	No	No	No
Non glazing	No	Yes	Yes	Yes	Yes
Food approval	No	No	No	No	No
Cleanability	++	++	++	++	+++
Color	Beige	Gray	Black	Black	Green
Durometer (Shore hardness)	40 A	60 A	77 A	70 A	75 A
Temperature range [°C]	15 to 70	0 to 60	-40 to 120	-40 to 120	0 to 100
Temperature range [°F]	5 to 158	32 to 140	-40 to 248	-40 to 248	32 to 212
Cover thickness [mm]	4.0 to 10.0	0.9	1.1	2.0, 3.0	0.8
Minimum pulley diameter Ø [mm]*	20 mm per mm cover thickness	40	40	50, 75	40





+++ = very good

++ = good

+ = low

- = none

* for multiple values see corresponding thickness capability above

Cover	HAG	SAG	HAL	HAR	HAT
					
Material	NBR	EPDM	EPDM	NBR	NBR
Surface structure	Grip	Grip	Longitudinal groove	Rough textile	Rough textile
Abrasion resistance	+++	+++	++	+++	+++
Friction	+++	+++	+++	+++	+++
Release properties	+++	+++	+++	+++	+++
Wear resistance	++	++	++	++	+++
Cut resistance	++	++	++	++	+++
Compressibility	++	++	+	+	+
Oil and grease resistance	+++	-	-	+++	+++
Ozone- and UV-resistance	No	Yes	Yes	No	No
Antimicrobial	No	No	No	No	No
Antistatic	No	No	No	No	No
Electrically conductive	No	No	No	No	No
Hydrolysis resistance	+++	+++	+++	+++	+++
Flame retardance	No	No	No	No	No
Non glazing	Yes	Yes	Yes	Yes	Yes
Food approval	No	No	No	No	No
Cleanability	+	+	++	++	++
Color	Green	Anthracite	Green	Green	Green
Durometer (Shore hardness)	55 A	69 A	50 A	70 A	60 A
Temperature range [°C]	0 to 100	-30 to 70	-30 to 100	-20 to 100	0 to 100
Temperature range [°F]	32 to 212	-22 to 158	-22 to 212	-4 to 212	32 to 212
Cover thickness [mm]	4.7	4.2	1.2	0.8	1.25
Minimum pulley diameter Ø [mm]*	50	50	40	40	40






+++ = very good

++ = good

+ = low

- = none

* for multiple values see corresponding thickness capability above

	HAT-W	Linaplus	Linatex HM	Linatrilite	Linard 60
Cover					
Material	NBR	Natural rubber	Natural rubber	NBR	Natural rubber
Surface structure	Rough textile	Smooth	Smooth	Smooth	Smooth
Abrasion resistance	+++	++	+++	+++	+++
Friction	+++	+++	+++	+++	+++
Release properties	+++	++	++	++	++
Wear resistance	+++	++	+++	++	+++
Cut resistance	+++	++	+++	++	+++
Compressibility	+	+	+	+	+
Oil and grease resistance	+++	-	-	++	-
Ozone- and UV-resistance	No	No	No	No	No
Antimicrobial	No	No	No	No	No
Antistatic	No	No	No	No	Yes
Electrically conductive	No	★ No ★	★ No ★	No	No
Hydrolysis resistance	+++	+++	+++	+++	+++
Flame retardance	No	No	No	No	No
Non glazing	Yes	No	No	Yes	No
Food approval	No	FDA/EU	No	No	No
Cleanability	++	++	++	++	++
Color	Light green	White	Red	Orange	Red
Durometer (Shore hardness)	60 A	38 A	38 A	55 A	60 A
Temperature range [°C]	0 to 100	-40 to 70	-40 to 70	-20 to 110	-40 to 75
Temperature range [°F]	32 to 212	-40 to 158	-40 to 158	-4 to 230	-40 to 167
Cover thickness [mm]	1.0, 2.0, 3.0, 4.0	2.0 to 5.0	2.0 to 12.0	3.0 to 6.0	3.0
Minimum pulley diameter Ø [mm]*	25, 50, 75, 100	20 mm per mm cover thickness	20 mm per mm cover thickness	25 mm per mm cover thickness	84




+++ = very good

++ = good

+ = low

- = none

* for multiple values see corresponding thickness capability above

	RP400	SAR	TCF-L
Cover			
Material	Natural rubber	EPDM	NBR
Surface structure	Smooth	Rough textile	Longitudinal groove
Abrasion resistance	+++	++	+++
Friction	+++	+++	+++
Release properties	++	++	+++
Wear resistance	+++	++	+++
Cut resistance	++	++	++
Compressibility	+	+	+
Oil and grease resistance	+++	-	+++
Ozone- and UV-resistance	No	Yes	No
Antimicrobial	No	No	No
Antistatic	No	No	No
Electrically conductive	No	No ★ ★ ★	No ★
Hydrolysis resistance	+++	+++	+++
Flame retardance	No	No	No
Non glazing	Yes	Yes	No
Food approval	No	No	No
Cleanability	++	++	++
Color	Yellow	Anthracite	Black
Durometer (Shore hardness)	39 A	69 A	85 A
Temperature range [°C]	-10 to 80	-30 to 70	-20 to 70
Temperature range [°F]	14 to 176	-22 to 158	-4 to 158
Cover thickness [mm]	2.0, 3.0	0.7	1.2
Minimum pulley diameter Ø [mm]*	40, 60	40	40






+++ = very good

++ = good

+ = low

- = none

* for multiple values see corresponding thickness capability above

	FAB-CV	NAB-AV	NAB-DV	NAB-SBV	NAB-WV
Cover					
Material	PVC	PVC	PVC	PVC	PVC
Surface structure	Matt	Smooth	Smooth	Smooth	Smooth
Abrasion resistance	++	++	++	++	++
Friction	++	++	++	+++	+++
Release properties	+++	+++	+++	++	+++
Wear resistance	++	++	++	++	++
Cut resistance	+	+	+	+	+
Compressibility	+	+	+	+	+
Oil and grease resistance	+++	++	++	++	+++
Ozone- and UV-resistance	Yes	Yes	Yes	Yes	No
Antimicrobial	No	No	No	No	No
Antistatic	No	No	No	No	No
Electrically conductive	No	★ No ★	★ No ★	No	No
Hydrolysis resistance	+++	+++	+++	+++	+++
Flame retardance	No	No	No	Yes	No
Non glazing	Yes	Yes	Yes	Yes	Yes
Food approval	FDA	No	No	No	FDA/EU
Cleanability	+++	+++	+++	+++	+++
Color	Cobalt blue	Anthracite	Dark green	Black	White
Durometer (Shore hardness)	86 A	45 A	45 A	67 A	45 A
Temperature range [°C]	-10 to 80	-10 to 60	-10 to 60	0 to 70	-10 to 70
Temperature range [°F]	14 to 176	14 to 176	14 to 140	32 to 158	14 to 158
Cover thickness [mm]	0.4	1.7	1.2, 2.0	1.2	0.4
Minimum pulley diameter Ø [mm]*	40	50	40	40	40–60






+++ = very good

++ = good

+ = low

- = none

* for multiple values see corresponding thickness capability above

	NAG-G	NAG-CV	NAJ-SBV	NAQ-BV	NAS-DV
Cover					
Material	PVC	PVC	PVC	PVC	PVC
Surface structure	Grip structure	Grip structure	Grip structure	Basketweave	Sawtooth profile
Abrasion resistance	++	++	++	++	++
Friction	+++	+++	+++	++	+++
Release properties	+++	+++	+++	+++	+++
Wear resistance	++	++	++	++	++
Cut resistance	+	+	+	+	+
Compressibility	++	++	++	+	++
Oil and grease resistance	++	++	++	++	++
Ozone- and UV-resistance	Yes	Yes	Yes	Yes	Yes
Antimicrobial	No	No	No	No	No
Antistatic	No	No	No	No	No
Electrically conductive	No	No	No	No	No
Hydrolysis resistance	+++	+++	+++	+++	+++
Flame retardance	No	No	Yes	No	No
Non glazing	Yes	Yes	Yes	Yes	Yes
Food approval	No	FDA/EU	No	No	No
Cleanability	+	+	+	++	+
Color	Dark green	Cobalt blue	Black	Black	Dark green
Durometer (Shore hardness)	45 A	45 A	45 A	45 A	45 A
Temperature range [°C]	-10 to 70	-10 to 70	0 to 70	-10 to 70	-10 to 70
Temperature range [°F]	14 to 158	14 to 158	32 to 158	14 to 158	14 to 158
Cover thickness [mm]	3.8	4.5	3.2	1.1	6.5
Minimum pulley diameter Ø [mm]*	80	90	90	40	50

+++ = very good

++ = good

+ = low

- = none

* for multiple values see corresponding thickness capability above

	PVC Foil	SAQ	SNB	WAG-G	ST-PVC-W
Cover					
Material	PVC	PVC	PVC	PVC	PVC
Surface structure	Smooth	Basketweave	Sand finish	Minigrip	Flat
Abrasion resistance	++	++	++	++	++
Friction	++	++	+	+++	+++
Release properties	+++	+++	+++	+++	+++
Wear resistance	++	++	++	++	++
Cut resistance	+	+	+	+	++
Compressibility	+	+	+	+	+
Oil and grease resistance	-	++	++	++	+
Ozone- and UV-resistance	No	Yes	Yes	Yes	No
Antimicrobial	No	No	No	No	No
Antistatic	No	No	Yes	No	No
Electrically conductive	No	★ No ★	★ No ★	No	No
Hydrolysis resistance	+++	+++	+++	+++	++
Flame retardance	No	No	No	No	No
Non glazing	Yes	Yes	Yes	Yes	No
Food approval	No	No	No	No	Yes
Cleanability	+++	++	+++	++	++
Color	Transparent	Anthracite	Anthracite	Dark green	White
Durometer (Shore hardness)	70 A	72 A	80 A	50 A	65 A
Temperature range [°C]	0 to 60	-10 to 60	-5 to 70	-10 to 60	-10 to 60
Temperature range [°F]	32 to 140	14 to 140	23 to 158	14 to 140	14 to 140
Cover thickness [mm]	2.0	0.5	0.6	1.6	3.0
Minimum pulley diameter Ø [mm]*	50	40	40	40	50






+++ = very good

++ = good

+ = low

- = none

* for multiple values see corresponding thickness capability above

	ENI	FAB	FAC-C	FAC-W	FAF
Cover					
Material	TPU	TPU	TPU	TPU	TPU
Surface structure	Fine textile	Smooth	Cone top	Cone top	Fish/herringbone
Abrasion resistance	+++	++	++	++	++
Friction	+	+++	+++	+++	+++
Release properties	+++	+++	+++	+++	+++
Wear resistance	+++	+++	+++	+++	+++
Cut resistance	+++	++	++	++	++
Compressibility	+	+	+	+	+
Oil and grease resistance	+++	+++	+++	+++	+++
Ozone- and UV-resistance	No	No	No	No	No
Antimicrobial	No	No	No	No	No
Antistatic	Yes	No	No	No	No
Electrically conductive	Yes	No	No	No	No
Hydrolysis resistance	++	++	++	++	++
Flame retardance	No	No	No	No	No
Non glazing	Yes	Yes	Yes	Yes	Yes
Food approval	No	FDA/EU	FDA/EU	FDA/EU	FDA/EU
Cleanability	++	+++	++	++	++
Color	Black	White	Cobalt blue	White	White
Durometer (Shore hardness)	92 A	85 A	85 A	85 A	85 A
Temperature range [°C]	-30 to 80	-30 to 80	0 to 100	0 to 100	-30 to 80
Temperature range [°F]	-22 to 176	-22 to 176	32 to 212	32 to 212	-22 to 176
Cover thickness [mm]	1.0	0.8	2.3	2.3	3.0
Minimum pulley diameter Ø [mm]*	60	50	50	50	75






+++ = very good

++ = good

+ = low

- = none

* for multiple values see corresponding thickness capability above

Cover	FAS-C	FAS	FAW	FAW-C	FMB-C
					
Material	TPU	TPU	TPU	TPU	TPU
Surface structure	Sawtooth profile	Sawtooth profile	Waffle	Waffle	Silk finish
Abrasion resistance	++	++	++	++	++
Friction	+++	+++	+++	+++	++
Release properties	+++	+++	+++	+++	+++
Wear resistance	+++	+++	+++	+++	+++
Cut resistance	++	++	++	++	++
Compressibility	+	+	+	+	+
Oil and grease resistance	+++	+++	+++	+++	+++
Ozone- and UV-resistance	No	No	No	No	No
Antimicrobial	No	No	No	No	No
Antistatic	No	No	No	No	No
Electrically conductive	No	★ No ★	★ No ★	No	No
Hydrolysis resistance	++	++	++	++	++
Flame retardance	No	No	No	No	No
Non glazing	Yes	Yes	Yes	Yes	Yes
Food approval	FDA/EU	FDA/EU	FDA/EU	FDA	FDA/EU
Cleanability	++	++	++	++	+++
Color	Cobalt blue	White	White	Cobalt blue	Cobalt blue
Durometer (Shore hardness)	85 A	85 A	85 A	85 A	85 A
Temperature range [°C]	-30 to 80	-30 to 80	-30 to 80	-30 to 80	-30 to 80
Temperature range [°F]	-22 to 176	-22 to 176	-22 to 176	-22 to 176	-22 to 176
Cover thickness [mm]	0.7	1.6	0.6	0.6	0.4
Minimum pulley diameter Ø [mm]*	50	100	50	50	50






+++ = very good

++ = good

+ = low

- = none

* for multiple values see corresponding thickness capability above

	FNB	FNQ-C	HNB	FSB-C	N5 Conetop stump
Cover					
Material	TPU	TPU	TPU	TPU	TPU
Surface structure	Smooth	Square	Smooth	Silk finish	Cone top
Abrasion resistance	++	++	++	++	+++
Friction	+	+	+	+++	+++
Release properties	+++	+++	++	++	+++
Wear resistance	+++	+++	+++	+++	+++
Cut resistance	+++	+++	+++	++	++
Compressibility	+	+	+	+	+
Oil and grease resistance	+++	+++	+++	+++	+++
Ozone- and UV-resistance	No	No	No	No	No
Antimicrobial	No	Yes	No	No	Yes
Antistatic	No	No	No	No	No
Electrically conductive	No	No	No	No	No
Hydrolysis resistance	++	++	++	++	++
Flame retardance	No	No	No	No	No
Non glazing	Yes	Yes	Yes	Yes	Yes
Food approval	FDA/EU	FDA/EU	FDA/EU	No	FDA
Cleanability	+++	++	+++	+++	++
Color	White	Cobalt blue	Green	Blue	Blue
Durometer (Shore hardness)	93 A	93 A	90 A	70 A	85 A
Temperature range [°C]	-15 to 80	-30 to 80	-15 to 80	-30 to 80	-15 to 80
Temperature range [°F]	5 to 176	-22 to 176	5 to 176	-22 to 176	5 to 176
Cover thickness [mm]	0.8	0.5	0.7	1.5	4.2
Minimum pulley diameter Ø [mm]*	50	50	40	60	90






+++ = very good

++ = good

+ = low

- = none

* for multiple values see corresponding thickness capability above

	POF-140/2.6LT72	POF-B85TS	PU foil 70	PU foil 85	PU Supergrip blue
Cover					
Material	TPU	TPU	TPU	TPU	TPU
Surface structure	Longitudinal groove	Fine textile	Smooth	Smooth	Grip
Abrasion resistance	++	++	++	++	++
Friction	++	++	++	++	+++
Release properties	++	+++	+++	+++	++
Wear resistance	++	++	++	++	++
Cut resistance	++	++	++	++	++
Compressibility	+	+	+	+	++
Oil and grease resistance	+++	++	++	+++	+++
Ozone- and UV-resistance	+	+	+	+	+
Antimicrobial	No	No	No	No	No
Antistatic	No	Yes	No	No	No
Electrically conductive	No	★ No ★	★ No ★	No	No
Hydrolysis resistance	++	++	++	++	++
Flame retardance	No	No	No	No	No
Non glazing	Yes	Yes	Yes	Yes	Yes
Food approval	FDA/EU	No	FDA	No	FDA/EU
Cleanability	++	++	+++	+++	+
Color	Transparent	Black	Transparent	Transparent	Blue
Durometer (Shore hardness)	72 A	85 A	70 A	85 A	92 A
Temperature range [°C]	-10 to 80	-30 to 90	-30 to 80	-30 to 80	-20 to 80
Temperature range [°F]	14 to 176	-22 to 195	-22 to 176	-22 to 176	-4 to 176
Cover thickness [mm]	2.6	1.2	6.0	2.0	3.8
Minimum pulley diameter Ø [mm]*	75	30	150	60	80

+++ = very good

++ = good

+ = low

- = none

* for multiple values see corresponding thickness capability above

	PU D44	PQF-XC85	PQF-B60LG	PQF-N92	PQF-R55
Cover					
Material	TPU	TPU	TPU	TPU	TPU
Surface structure	Smooth	Smooth	Longitudinal groove	Smooth	Smooth
Abrasion resistance	+++	++	++	+++	++
Friction	++	++	+++	+	+++
Release properties	+++	+++	+++	+++	+++
Wear resistance	+++	+++	++	+++	++
Cut resistance	+++	++	++	++	++
Compressibility	+	+	+	+	+
Oil and grease resistance	+++	+++	+++	+++	+++
Ozone- and UV-resistance	No	No	No	No	No
Antimicrobial	No	No	No	No	No
Antistatic	No	No	No	No	No
Electrically conductive	No	No	No	No	No
Hydrolysis resistance	+++	++	++	++	++
Flame retardance	No	No	No	No	No
Non glazing	Yes	Yes	Yes	Yes	Yes
Food approval	No	FDA	No	No	No
Cleanability	+++	+++	++	+++	+++
Color	Brown	Cobalt blue	Black	White	Red
Durometer (Shore hardness)	80 A	85 A	60 A	92 A	55 A
Temperature range [°C]	-10 to 60	-30 to 80	-10 to 60	-30 to 80	-30 to 60
Temperature range [°F]	14 to 140	-22 to 176	14 to 140	-22 to 176	-22 to 176
Cover thickness [mm]	1.0, 2.0, 3.0, 4.0, 5.0	1.3, 2.0	2.5	2.0, 4.0	2.0, 3.0
Minimum pulley diameter Ø [mm]*	30, 60, 90, 120, 150	50, 60	75	60, 120	50, 75





+++ = very good

++ = good

+ = low

- = none

* for multiple values see corresponding thickness capability above

	PQF-T60	PQF-W85	PQF-Y85HR	PU-SP
Cover				
Material	TPU	TPU	TPU	TPU
Surface structure	Smooth	Smooth	Glossy	Spike
Abrasion resistance	++	++	++	+++
Friction	+++	++	++	+++
Release properties	+++	+++	+++	+++
Wear resistance	++	++	++	+++
Cut resistance	++	++	++	++
Compressibility	+	+	+	+
Oil and grease resistance	+++	+++	+++	+++
Ozone- and UV-resistance	No	No	No	No
Antimicrobial	No	No	No	No
Antistatic	No	No	Yes	No
Electrically conductive	No	★ No ★	★ Yes ★	No
Hydrolysis resistance	++	++	++	++
Flame retardance	No	No	No	No
Non glazing	Yes	Yes	Yes	Yes
Food approval	No	FDA	No	FDA
Cleanability	+++	+++	+++	++
Color	Transparent	White	Yellow	Blue
Durometer (Shore hardness)	60 A	85 A	85 A	86 A
Temperature range [°C]	-30 to 80	-30 to 80	-10 to 160	-20 to 100
Temperature range [°F]	-22 to 176	-22 to 176	14 to 320	-4 to 212
Cover thickness [mm]	2.0, 3.0	1.3, 2.0, 3.0, 4.0, 5.0	2.0	2.2
Minimum pulley diameter Ø [mm]*	50, 75	40, 60, 90, 120, 150	60	50



+++ = very good

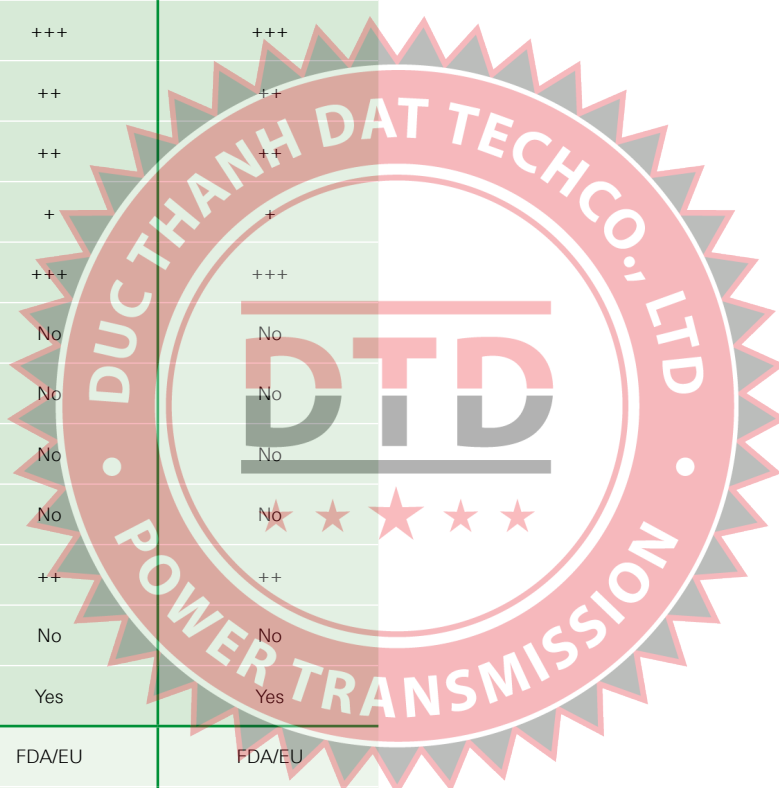
++ = good

+ = low

- = none





* for multiple values see corresponding thickness capability above

Cover	T-NPW	WAL-C
		
Material	TPU	TPU
Surface structure	Pimple	Longitudinal groove
Abrasion resistance	++	++
Friction	+++	+++
Release properties	+++	+++
Wear resistance	++	++
Cut resistance	++	++
Compressibility	+	+
Oil and grease resistance	+++	+++
Ozone- and UV-resistance	No	No
Antimicrobial	No	No
Antistatic	No	No
Electrically conductive	No	No
Hydrolysis resistance	++	++
Flame retardance	No	No
Non glazing	Yes	Yes
Food approval	FDA/EU	FDA/EU
Cleanability	++	+
Color	White	Cobalt blue
Durometer (Shore hardness)	80 A	80 A
Temperature range [°C]	-20 to 60	-30 to 80
Temperature range [°F]	-4 to 140	-22 to 176
Cover thickness [mm]	1.6	1.6
Minimum pulley diameter Ø [mm]*	40	50



+++ = very good
 ++ = good
 + = low
 - = none

* for multiple values see corresponding thickness capability above

	FNI	G-NB	G-NBW	PES fabric
Cover				
Material	PET	PET	PET	PET
Surface structure	Impregnated fabric	Fabric	Fabric	Fabric
Abrasion resistance	+++	+++	++	++
Friction	+	+	+	+
Release properties	+++	+++	+++	+++
Wear resistance	+++	+++	++	++
Cut resistance	++	+++	+++	++
Compressibility	+	+	+	+
Oil and grease resistance	+	+	+++	+
Ozone- and UV-resistance	No	No	No	No
Antimicrobial	No	No	No	No
Antistatic	Yes	Yes	No	No
Electrically conductive	No	★ No ★	★ No ★	No
Hydrolysis resistance	-	-	+++	-
Flame retardance	No	No	No	No
Non glazing	Yes	Yes	Yes	Yes
Food approval	FDA/EU	No	FDA	FDA/EU
Cleanability	+++	+	+	++
Color	Light gray	Black	White	Light gray
Durometer (Shore hardness)	90 A	80 A	80 A	N /A
Temperature range [°C]	-30 to 80	-10 to 80	-10 to 80	-30 to 80
Temperature range [°F]	-22 to 176	14 to 176	14 to 176	-22 to 176
Cover thickness [mm]	0.8	1.2/2.25	0.75	0.8
Minimum pulley diameter Ø [mm]*	160	160	40	30




+++ = very good

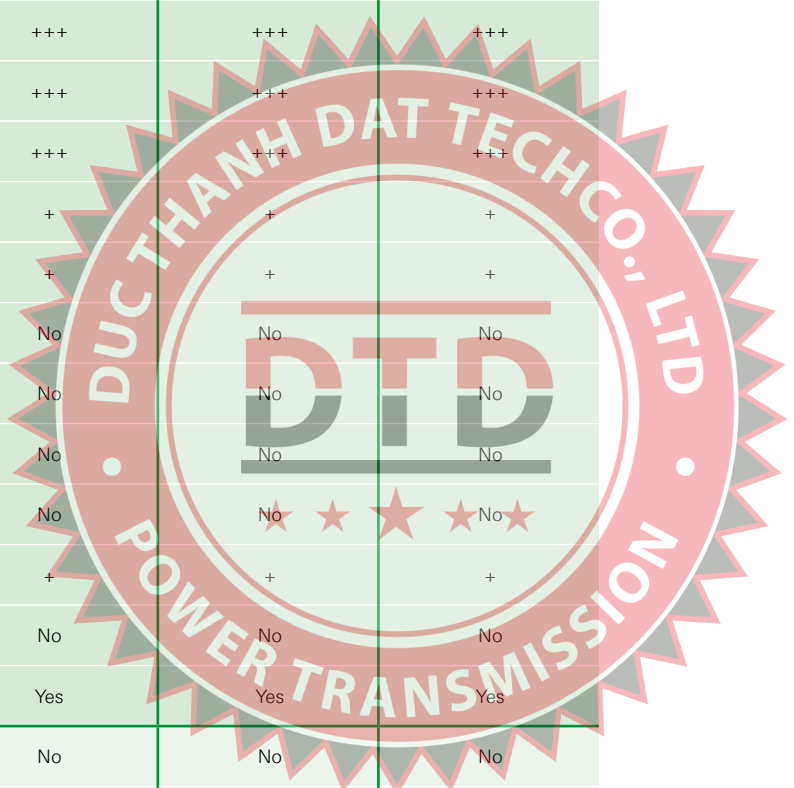
++ = good

+ = low

- = none






* for multiple values see corresponding thickness capability above

	MAN	MNN	NNT-B
Cover			
Material	PET	PET	PET
Surface structure	Fabric	Nonwoven (fleece)	Impregnated fabric
Abrasion resistance	+++	+++	+++
Friction	++	+	+
Release properties	+++	+++	+++
Wear resistance	+++	+++	+++
Cut resistance	+++	+++	+++
Compressibility	+	+	+
Oil and grease resistance	+	+	+
Ozone- and UV-resistance	No	No	No
Antimicrobial	No	No	No
Antistatic	No	No	No
Electrically conductive	No	No	No
Hydrolysis resistance	+	+	+
Flame retardance	No	No	No
Non glazing	Yes	Yes	Yes
Food approval	No	No	No
Cleanability	+	+	++
Color	Anthracite	Beige	Black
Durometer (Shore hardness)	50 A	40 A	90 A
Temperature range [°C]	-30 to 60	-20 to 60	0 to 80
Temperature range [°F]	-22 to 140	-4 to 140	32 to 176
Cover thickness [mm]	0.8	0.5	1.3
Minimum pulley diameter Ø [mm]*	25	40	40



+++ = very good
 ++ = good
 + = low
 - = none

* for multiple values see corresponding thickness capability above

Cover	PU yellow	Foam rubber smooth	Foam rubber rough	Sylomer blue	Sylomer brown
					
Material	PU foam	Natural rubber	Natural rubber	PU foam	PU foam
Surface structure	Smooth	Closed-cell	Open-cell	Closed-cell	Closed-cell
Abrasion resistance	++	+	+	+	+
Friction	++	++	++	++	++
Release properties	++	+++	+++	+++	+++
Wear resistance	++	+	+	+	++
Cut resistance	++	+	+	+	+
Compressibility	++	+++	+++	+++	+++
Oil and grease resistance	+++	++	++	+++	+++
Ozone- and UV-resistance	No	No	No	Yes	Yes
Antimicrobial	No	No	No	No	No
Antistatic	No	No	No	No	No
Electrically conductive	No	★ No ★	★ No ★	No	No
Hydrolysis resistance	++	+++	+++	+++	+++
Flame retardance	No	No	No	No	No
Non glazing	Yes	Yes	Yes	Yes	Yes
Food approval	No	No	No	No	No
Cleanability	++	+	+	+	+
Color	Yellow	Orange	Orange	Light blue	Brown
Durometer (Shore hardness)	60 A	200 kg / m ³	200 kg / m ³	220 kg / m ³	400 kg / m ³
Temperature range [°C]	-10 to 60	-20 to 65	-20 to 65	-30 to 70	-30 to 70
Temperature range [°F]	14 to 140	-4 to 150	-4 to 150	-22 to 158	-22 to 158
Cover thickness [mm]	2.0 to 8.0	10.0, 15.0, 20.0	10.0, 15.0, 20.0	5.0, 10.0, 12.0, 20.0	5.0 to 20.0
Minimum pulley diameter Ø [mm]*	50 to 200	100, 150, 200	100, 150, 200	75, 150, 180, 300	100 to 360






+++ = very good

++ = good

+ = low

- = none

* for multiple values see corresponding thickness capability above

	Sylomer yellow	Sylomer green	Syldodyne yellow	Neoprene	Cell rubber + PA fabric blue
Cover					
Material	PU foam	PU foam	PU foam	Chloroprene rubber	Chloroprene rubber
Surface structure	Closed-cell	Closed-cell	Closed-cell	Smooth closed-cell	Fabric
Abrasion resistance	+	+	++	++	+++
Friction	++	++	++	+++	+
Release properties	+++	+++	++	++	+++
Wear resistance	+	+	+	+	++
Cut resistance	+	+	+	+	++
Compressibility	+++	+++	++	+++	+++
Oil and grease resistance	+++	+++	+++	-	+++
Ozone- and UV-resistance	Yes	Yes	Yes	No	Yes
Antimicrobial	No	No	No	No	No
Antistatic	No	No	No	No	No
Electrically conductive	No	No	No	No	No
Hydrolysis resistance	+++	+++	+++	+++	++
Flame retardance	No	No	No	No	No
Non glazing	Yes	Yes	Yes	Yes	Yes
Food approval	No	No	No	No	No
Cleanability	+	+	++	++	+++
Color	Yellow	Light green	Yellow	Black	Blue
Durometer (Shore hardness)	160 kg / m ³	300 kg / m ³	450 kg / m ³	180 kg / m ³	170 kg / m ³
Temperature range [°C]	-30 to 70	-30 to 70	-30 to 70	-40 to 80	-40 to 85
Temperature range [°F]	-22 to 158	-22 to 158	-22 to 158	-40 to 176	-40 to 185
Cover thickness [mm]	5.0, 10.0	2.0 to 20.0	12.0	2.0 to 20.0	3.0
Minimum pulley diameter Ø [mm]*	75, 150	30 to 300	240	30 to 300	45



+++ = very good

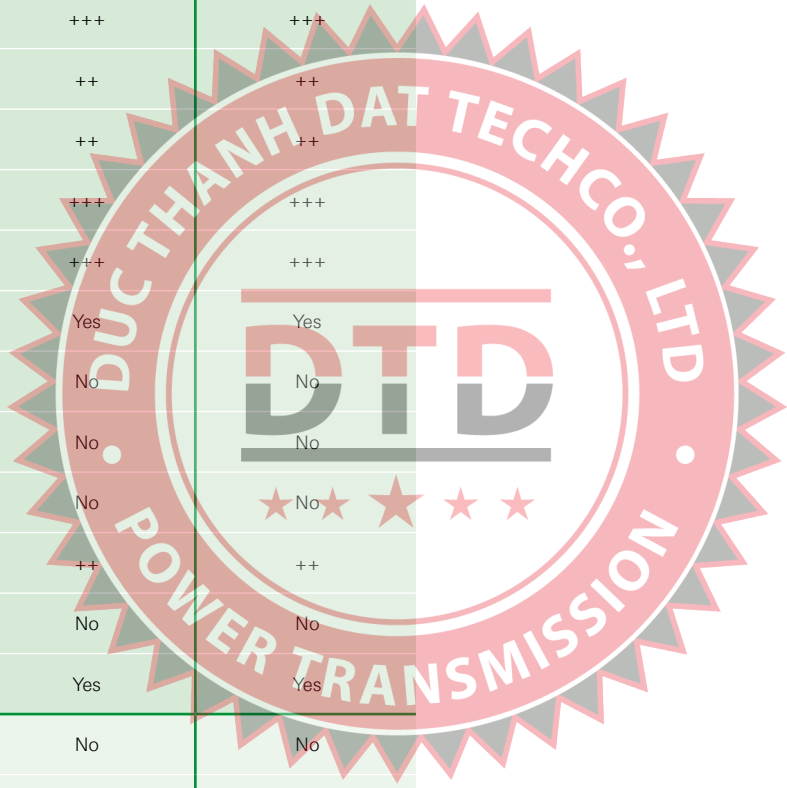
++ = good

+ = low

- = none

* for multiple values see corresponding thickness capability above

	Cell rubber + PA fabric black	Cell polyurethan
Cover		
Material	Chloroprene rubber	PU foam
Surface structure	Fabric	Closed-cell
Abrasion resistance	+++	++
Friction	+	++
Release properties	+++	+++
Wear resistance	++	++
Cut resistance	++	++
Compressibility	+++	+++
Oil and grease resistance	+++	+++
Ozone- and UV-resistance	Yes	Yes
Antimicrobial	No	No
Antistatic	No	No
Electrically conductive	No	No
Hydrolysis resistance	++	++
Flame retardance	No	No
Non glazing	Yes	Yes
Food approval	No	No
Cleanability	+++	+
Color	Black	Beige
Durometer (Shore hardness)	170 kg / m ³	350 kg / m ³
Temperature range [°C]	-40 to 85	-30 to 80
Temperature range [°F]	-40 to 185	-22 to 158
Cover thickness [mm]	8.0	1.0 to 25.0
Minimum pulley diameter Ø [mm]*	120	20 to 500







+++ = very good

++ = good

+ = low

- = none

* for multiple values see corresponding thickness capability above

Cover	Chrome split leather	FNT	PA fabric heavy	Teflon laminate
				
Material	Chrome leather	Polyester cotton fabric	Polyamide	Teflon
Surface structure	Leather	Fabric	Smooth	Glossy
Abrasion resistance	+++	++	+++	+
Friction	+	+	-	-
Release properties	++	+++	+++	+++
Wear resistance	++	++	+++	+
Cut resistance	+++	++	++	+
Compressibility	+	+	+	+
Oil and grease resistance	+++	+++	-	+++
Ozone- and UV-resistance	+	-	-	-
Antimicrobial	-	-	-	-
Antistatic	-	-	-	-
Electrically conductive	-	★ ★ ★ ★ ★	-	-
Hydrolysis resistance	+	+	+	+++
Flame retardance	No	No	No	No
Non glazing	Yes	Yes	Yes	Yes
Food approval	No	FDA	No	No
Cleanability	+	+	+	+++
Color	Gray	White	Green	White
Durometer (Shore hardness)	N /A	N /A	N /A	N/A
Temperature range [°C]	0 to 60	-30 to 80	-30 to 80	0 to 80
Temperature range [°F]	32 to 140	-22 to 176	-22 to 176	32 to 176
Cover thickness [mm]	2.0 - 3.0	0.8	0.75	0.25
Minimum pulley diameter Ø [mm]*	50, 75	40	45	75



+++ = very good

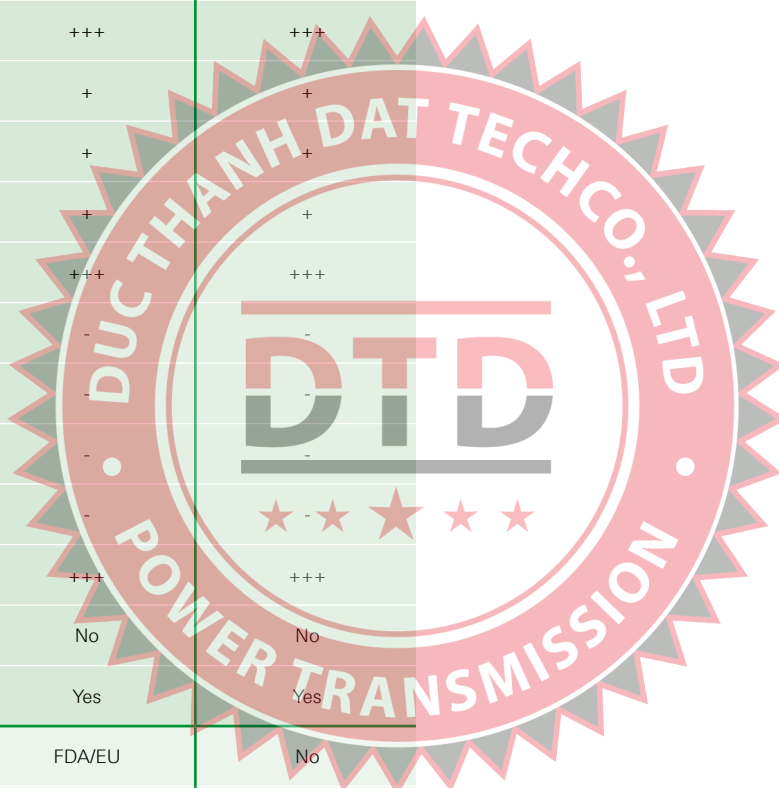
++ = good

+ = low

- = none

* for multiple values see corresponding thickness capability above

	ACI-28SWF	Silicone blue
Cover		
Material	Silicone	Silicone
Surface structure	Customizable structure	Glossy
Abrasion resistance	++	++
Friction	+++	+++
Release properties	+++	+++
Wear resistance	+	+
Cut resistance	+	+
Compressibility	+	+
Oil and grease resistance	+++	+++
Ozone- and UV-resistance	-	-
Antimicrobial	-	-
Antistatic	-	-
Electrically conductive	-	-
Hydrolysis resistance	+++	+++
Flame retardance	No	No
Non glazing	Yes	Yes
Food approval	FDA/EU	No
Cleanability	+++	+++
Color	White	Cobalt blue
Durometer (Shore hardness)	28 A	50 A
Temperature range [°C]	-20 to 200	-20 to 200
Temperature range [°F]	-4 to 392	-4 to 392
Cover thickness [mm]	min 2.0	1.0
Minimum pulley diameter Ø [mm]*	min 40	80 mm



+++ = very good

++ = good

+ = low

- = none

* for multiple values see corresponding thickness capability above

Timing belt insert with threaded cylinders

Allows the mechanical attachment of cleats to the timing belt

- Made of stainless steel, on demand also brass

Fabrication possibilities:

- Machine a lateral groove into the timing belt tooth yields no metal on metal contact of false tooth insert to pulley. Ensures smooth and quiet operation.
- Completely remove tooth and replace with metal false tooth.

Industry and application examples:

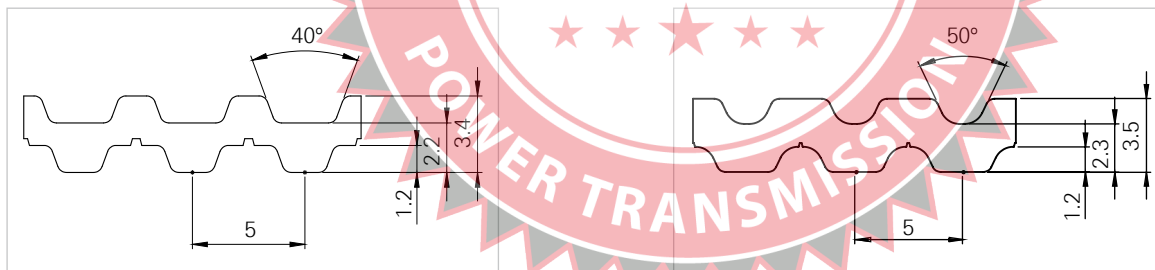
- Materials handling
- Packaging machines
- Placement lines

Habasit Code	Product description	Technical data		Dimensions				
		Available timing belt pitches	Minimum timing belt width [mm]	Threaded pin	Height over timing belt cover side [mm]	Distance between threaded cylinders [mm]	Outside diameter threaded cylinder [mm]	False tooth bar width [mm]
FT-016I-1M4-080N1	rectangular bar	AT10 / AT20 / 8M / 14M / T10 / T20 / XH	from 16	internal thread M4	6 (T10/AT10)	min. 16	6 +0/- 0.1	16
FT-020I-2M4-080N2	rectangular bar	AT10 / AT20 / 8M / 14M / T10 / T20 / H / XH	20* *possibility to combine with further inserts	internal thread M4	6 (T10/AT10)	10 +/- 0.05	6 +0/- 0.1	20
FT-025I-2M4-046N1	rectangular bar	AT10/ AT20/ 8M /14M / T10 / T20 / H / XH	25* *possibility to combine with further inserts (25/50/75 width)	internal thread M4	2.6 (T10/AT10)	16 +/- 0.05	6 +0/- 0.1	24
FT-025I-2M4-080N2	rectangular bar	AT10/ AT20/ 8M /14M / T10 / T20 / H / XH	25 mm* *possibility to combine with further inserts (25/50/75 width)	internal thread M4	6 (T10/AT10)	10 +/- 0.05	6 +0/- 0.1	20
FT-025I-2M4-120N1	rectangular bar	AT10/ AT20/ 8M /14M / T10 / T20 / H / XH	25* *possibility to combine with further inserts (25/50/75 width)	internal thread M4	10 (T10/AT10)	12 +/- 0.05	6 +0/- 0.1	24
FT-032I-2M4-080N1	rectangular bar	AT10/ AT20/ 8M /14M / T10 / T20 / H / XH	32* *possibility to combine with further inserts (32 width)	internal thread M4	6 (T10/AT10)	20 +/- 0.05	6 +0/- 0.1	29
FT-038I-2M4-080N1	rectangular bar	AT10/ AT20/ 8M /14M / T10 / T20 / H / XH	38* *possibility to combine with further inserts (38 width)	internal thread M4	6 (T10/AT10)	20 +/- 0.05	6 +0/- 0.1	36,5
FT-050I-2M3-040Z2	trapezoid bar	T10	50* *possibility to combine with further inserts (50 width)	internal thread M3	2	32 +/- 0.05	6 +0/- 0.1	49

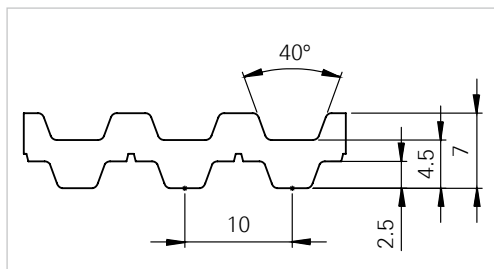
Habasit code	Product description	Technical data		Dimensions				
		Available timing belt pitches	Minimum timing belt width [mm]	Threaded pin	Height over timing belt cover side [mm]	Distance between threaded cylinders [mm]	Outside diameter threaded cylinder [mm]	False tooth bar width [mm]
FT-050I-2M4-046N1	rectangular bar	AT10/ AT20/ 8M /14M T10 / T20 / H / XH		internal thread M4	2.6 (T10/ AT10)	25 +/- 0.05	6 +0/- 0.1	49
FT-050I-2M4-046Z1	trapezoid bar	AT10	50* *possibility to combine with further inserts (50 width)	internal thread M4	2.6	25 +/- 0.05	6 +0/- 0.1	49
FT-050I-2M4-080N1	rectangular bar	AT10/ AT20/ 8M /14M T10 / T20 / H / XH	50* *possibility to combine with further inserts (50/75 width)	internal thread M4	6 (T10/ AT10)	25 +/- 0.05	6 +0/- 0.1	49
FT-050I-2M5-100N1	rectangular bar	AT20 / XH / 14M / T20	50* *possibility to combine with further inserts (50/75 width)	internal thread M5	7	25 +/- 0.05	7.5 +0/- 0.1	49
FT-050I-3M4-080N1	rectangular bar	AT10/ AT20/ 8M /14M T10 / T20 / H / XH	50* *possibility to combine with further inserts (50/75 width)	internal thread M4	6 (T10/ AT10)	15 +/- 0.05	6 +0/- 0.1	45
FT-050I-3M5-060N1	rectangular bar	AT20 / XH / 14M / T20	50* *possibility to combine with further inserts (50 width)	internal thread M5	4	15 +/- 0.05	7 +0/- 0.1	49
FT-075I-2M4-046Z1	trapezoid bar	AT10	75* *possibility to combine with further inserts (75 width)	internal thread M4	2.6	50 +/- 0.05	6 +0/- 0.1	74
FT-075I-2M4-120N1	rectangular bar	AT10/ AT20/ 8M /14M T10 / T20 / H / XH	75* *possibility to combine with further inserts (50/75 width)	internal thread M4	10 (T10/ AT10)	50 +/- 0.05	6 +0/- 0.1	74
FT-075I-3M4-046N1	rectangular bar	AT10/ AT20/ 8M /14M T10 / T20 / H / XH	75* *possibility to combine with further inserts (50/75 width)	internal thread M4	2.6 (T10/ AT10)	25 +/- 0.05	6 +0/- 0.1	74
FT-075I-3M4-080N1	rectangular bar	AT10/ AT20/ 8M /14M T10 / T20 / H / XH	50* *possibility to combine with further inserts (50/75 width)	internal thread M4	6 (T10/ AT10)	25 +/- 0.05	6 +0/- 0.1	74
FT-100I-4M4-080N1	rectangular bar	AT10/ AT20/ 8M /14M T10 / T20 / H / XH	100	internal thread M4	6 (T10/ AT10)	25 +/- 0.05	6 +0/- 0.1	98
FT-150I-2M5-100N1	rectangular bar	AT20 / XH / 14M / T20	150	internal thread M5	7	100 +/- 0.05	7 +0/- 0.1	149

Product description	Double-sided tooth timing belts for use in power transmission and conveying applications. Both sides are mechanical stable and can drive pulleys.
Technical data	
Material	Polyurethane timing belts: open-end, joined or flex seamless belts
Timing belt type	T5 T10 T20 AT5 AT10 AT20 5M 8M 14M H
Alignment of the teeth	According DIN-standard for metric pitches tooth over tooth space. M-pitch – tooth over tooth. H-pitch – tooth over tooth/alternating.
Dimensions	
Timing belt width	up to 150 mm
Timing belt length	from 700 mm

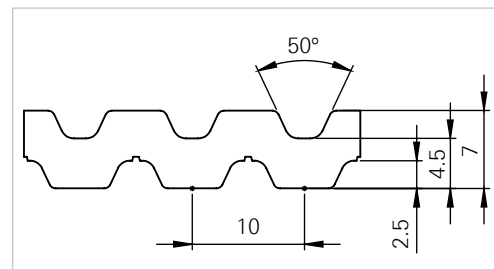
T5



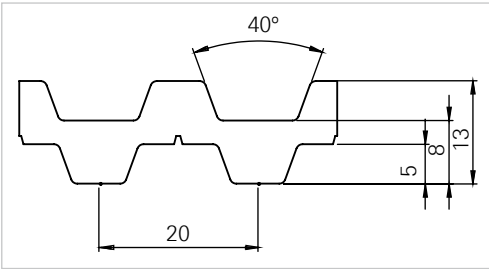
T10



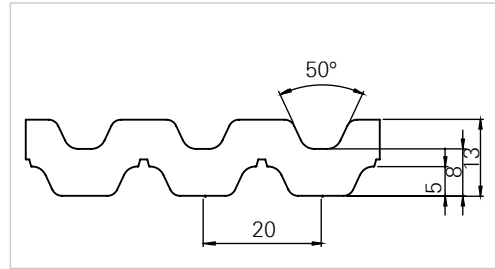
AT10



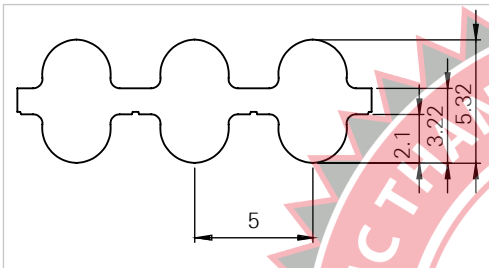
T20



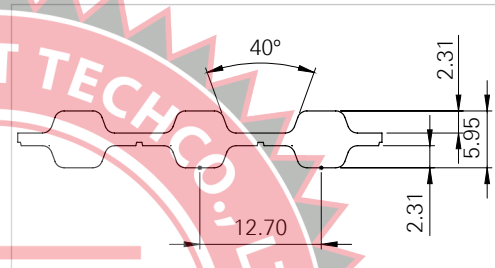
AT20



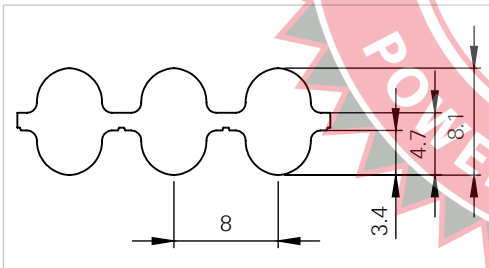
5M (HTD)



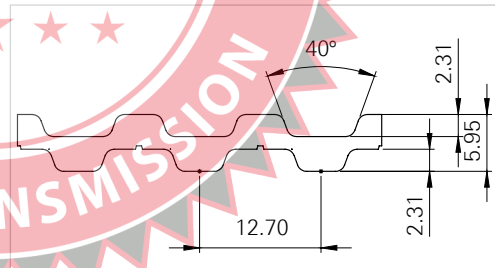
H (tooth over tooth)



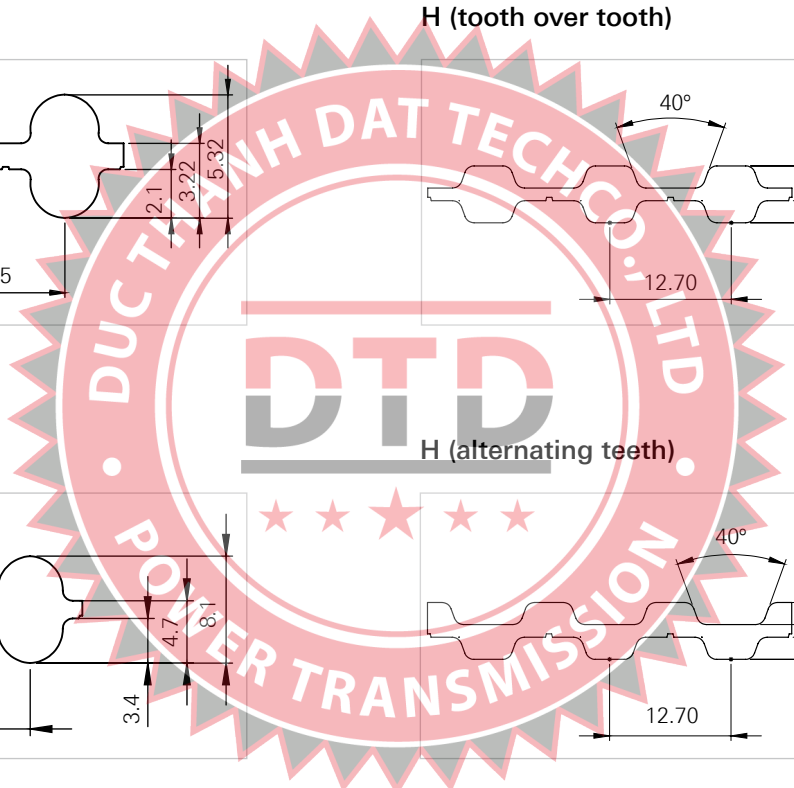
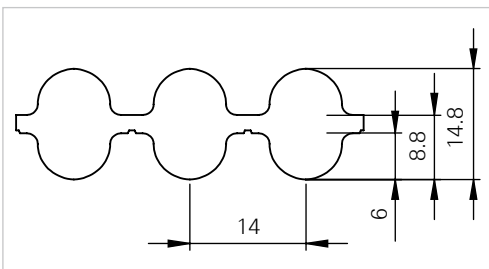
8M (HTD)



H (alternating teeth)



14M (HTD)



HabiPLAST support guides

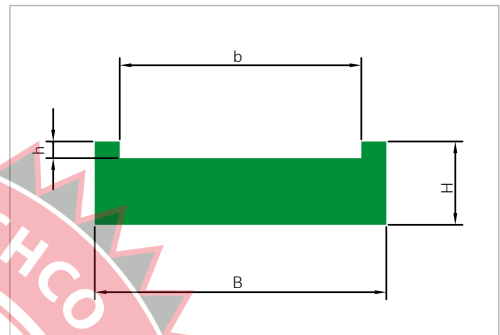
Guides for timing belts SF (F)

Material: ultra-high molecular weight polyethylene, green color.

Standard profile: 3 meter bars.

Other materials, colors, bar lengths are available on request.

Application: Used as a low friction sliding support in conveying and linear movement applications for HabaSYNC® timing belts. With its excellent wear and chemical resistance, and inherent low noise properties, it works well with all types of machinery. This is used in a wide range of industries such as bottling, packaging, materials handling, and food processing.



Habasisit code	Belt type	B	H	b	h
		mm	mm	mm	mm
SF-02-PE10G-003+RC	T5 16 -AT5 16	25	10	17	1.8
SF-03-PE10G-003+RC	T5 25 -AT5 25	34	10	26	1.8
SF-04-PE10G-003+RC	T5 32 -AT5 32	41	10	33	1.8
SF-05-PE10G-003+RC	T5 50 -AT5 50	59	10	51	1.8
SF-08-PE10G-003+RC	T10 16 -AT10 16	25	15	17	3.8
SF-09-PE10G-003+RC	T10 25 -AT10 25	34	15	26	3.8
SF-10-PE10G-003+RC	T10 32 -AT10 32	41	15	33	3.8
SF-11-PE10G-003+RC	T10 50 -AT10 50	59	15	51	3.8
SF-12-PE10G-003+RC	T10 75 -AT10 75	84	15	76	3.8
SF-13-PE10G-003+RC	T10 100 -AT10 100	109	15	101	3.8
SF-16-PE10G-003+RC	T20 25 -AT20 25	34	20	26	7.0
SF-17-PE10G-003+RC	T20 32 -AT20 32	41	20	33	7.0
SF-18-PE10G-003+RC	T20 50 -AT20 50	59	20	51	7.0
SF-19-PE10G-003+RC	T20 75 -AT20 75	84	20	76	7.0
SF-20-PE10G-003+RC	T20 100 -AT20 100	109	20	101	7.0

Guides for timing belts with metal profile SF(X) (FC)

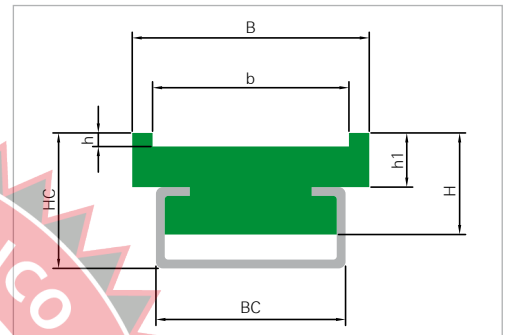
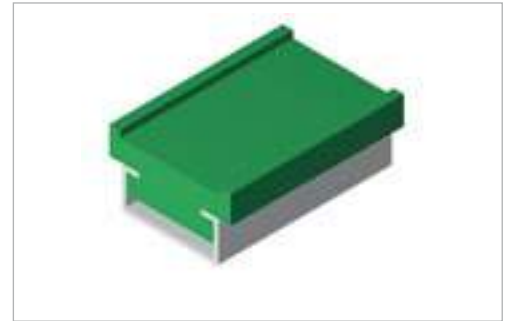
Material: ultra-high molecular weight polyethylene, green color.

Standard profile: 3 meter bars.

Other materials, colors, bar lengths are available on request.

Accessories: metal profiles, to be ordered separately (see steel profiles for HabiPLAST guides), available in galvanized steel, AISI 304 and AISI 430 stainless steel.

Application: Used as a low friction sliding support in conveying and linear movement applications for HabaSYNC® timing belts. With its excellent wear and chemical resistance, and inherent low noise properties, it works well with all types of machinery. This is used in a wide range of industries such as bottling, packaging, materials handling, and food processing.



Habasit code	Belt type	B	H	BC	HC	h1	b	h	Metal profile
		mm	mm						
SFE02-PE10G-003+RC	T5 16 -AT5 16	25	15	28	19	7	17	1.8	C-5
SFE03-PE10G-003+RC	T5 25 -AT5 25	34	15	28	19	7	26	1.8	C-5
SFJ04-PE10G-003+RC	T5 32 -AT5 32	41	20	38	25	7	33	1.8	C-9
SFJ05-PE10G-003+RC	T5 50 -AT5 50	59	20	38	25	7	51	1.8	C-9
SFE08-PE10G-003+RC	T10 16 -AT10 16	25	17	28	21	9	17	3.8	C-5
SFE09-PE10G-003+RC	T10 25 -AT10 25	34	17	28	21	9	26	3.8	C-5
SFJ10-PE10G-003+RC	T10 32 -AT10 32	41	22	38	27	9	33	3.8	C-9
SFJ11-PE10G-003+RC	T10 50 -AT10 50	59	22	38	27	9	51	3.8	C-9
SFJ12-PE10G-003+RC	T10 75 -AT10 75	84	22	38	27	9	76	3.8	C-9
SFJ13-PE10G-003+RC	T10 100 -AT10 100	109	22	38	27	9	101	3.8	C-9
SFE16-PE10G-003+RC	T20 25 -AT20 25	34	20	28	24	12	26	7.0	C-5
SFJ17-PE10G-003+RC	T20 32 -AT20 32	41	25	38	30	12	33	7.0	C-9
SFJ18-PE10G-003+RC	T20 50 -AT20 50	59	25	38	30	12	51	7.0	C-9
SFJ19-PE10G-003+RC	T20 75 -AT20 75	84	25	38	30	12	76	7.0	C-9
SFJ20-PE10G-003+RC	T20 100 -AT20 100	109	25	38	30	12	101	7.0	C-9

HabiPLAST support guides

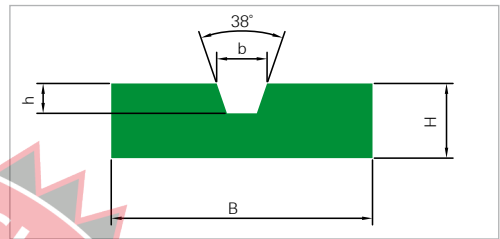
Guides for timing belts SV (FV)

Material: ultra-high molecular weight polyethylene, green color.

Standard profile: 3 meter bars.

Other materials, colors, bar lengths are available on request.

Application: Used as a low friction sliding support in conveying and linear movement applications for HabaSYNC® timing belts with an attached tracking guide. With its excellent wear and chemical resistance, and inherent low noise properties, it works well with all types of machinery. This is used in a wide range of industries such as bottling, packaging, materials handling, and food processing.



Habasit code	Belt type	Track shape	B mm	H mm	b mm	h mm
SV-23-PE10G-003+RC	TG5 16 - ATG5 16	G6	25	10	6.0	3.5
SV-25-PE10G-003+RC	TG5 25 - ATG5 25	G6	35	10	6.0	3.5
SV-27-PE10G-003+RC	TG5 32 - ATG5 32	G6	41	10	6.0	3.5
SV-29-PE10G-003+RC	TG5 50 - ATG5 50	G6	59	10	6.0	3.5
SV-32-PE10G-003+RC	TG10 25 - ATG10 25	G6	35	10	5.5	2.5
SV-33-PE10G-003+RC	TG10 25 - ATG10 25	G10	35	10	9.5	4.5
SV-34-PE10G-003+RC	TG10 25 - ATG10 25	G13	35	10	13.0	5.0
SV-37-PE10G-003+RC	TG10 32 - ATG10 32	G6	41	10	5.5	2.5
SV-38-PE10G-003+RC	TG10 32 - ATG10 32	G10	41	10	9.5	4.5
SV-39-PE10G-003+RC	TG10 32 - ATG10 32	G13	41	10	13.0	5.0
SV-42-PE10G-003+RC	TG10 50 - ATG10 50	G6	59	15	5.5	2.5
SV-43-PE10G-003+RC	TG10 50 - ATG10 50	G10	59	15	9.5	4.5
SV-44-PE10G-003+RC	TG10 50 - ATG10 50	G13	59	15	13.0	5.0
SV-47-PE10G-003+RC	TG10 75 - ATG10 75	G6	84	15	5.5	2.5
SV-48-PE10G-003+RC	TG10 75 - ATG10 75	G10	84	15	9.5	4.5
SV-49-PE10G-003+RC	TG10 75 - ATG10 75	G13	84	15	13.0	5.0
SV-52-PE10G-003+RC	TG10 100 - ATG10 100	G6	109	15	5.5	2.5
SV-53-PE10G-003+RC	TG10 100 - ATG10 100	G10	109	15	9.5	4.5
SV-54-PE10G-003+RC	TG10 100 - ATG10 100	G13	109	15	13.0	5.0
SV-58-PE10G-003+RC	TG20 32 - ATG20 32	G13	41	20	11.5	2.5
SV-61-PE10G-003+RC	TG20 50 - ATG20 50	G13	59	20	11.5	2.5
SV-62-PE10G-003+RC	TG20 50 - ATG20 50	G17	59	20	16.0	4.0
SV-65-PE10G-003+RC	TG20 75 - ATG20 75	G13	84	20	11.5	2.5
SV-66-PE10G-003+RC	TG20 75 - ATG20 75	G17	84	20	16.0	4.0
SV-69-PE10G-003+RC	TG20 100 - ATG20 100	G13	109	20	11.5	2.5
SV-70-PE10G-003+RC	TG20 100 - ATG20 100	G17	109	20	16.0	4.0

HabiPLAST support guides

Guides for timing belts with metal profile SV(X) (FCV)

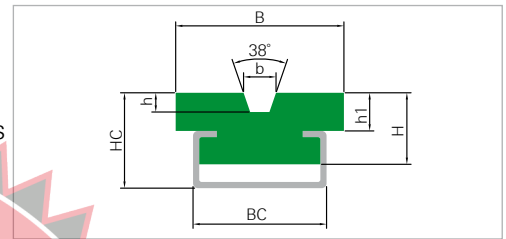
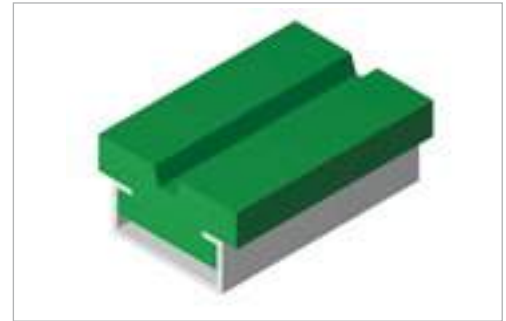
Material: ultra-high molecular weight polyethylene, green color.

Standard profile: 3 meter bars.

Other materials, colors, bar lengths are available on request.

Accessories: metal profiles, to be ordered separately (see steel profiles for HabiPLAST guides), available in galvanized steel, AISI 304 and AISI 430 stainless steel.

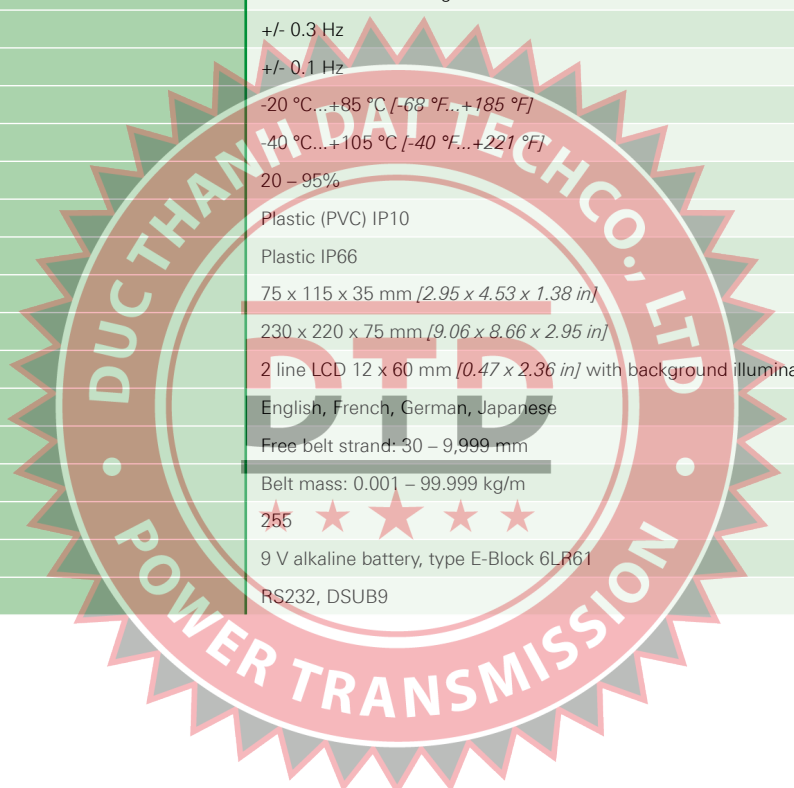
Application: Used as a low friction sliding support in conveying and linear movement applications for HabaSYNC® timing belts with an attached tracking guide. With its excellent wear and chemical resistance, and inherent low noise properties, it works well with all types of machinery. This is used in a wide range of industries such as bottling, packaging, materials handling, and food processing.



Habasit code	Belt type	Track shape	B	H	BC	HC	h1	b	h	Metal profile
			mm	mm	mm	mm	mm	mm	mm	
SVE23-PE10G-003+RC	TG5 16 - ATG5 16	G6	25	15	28	19	7	6.0	3.5	C-5
SVE25-PE10G-003+RC	TG5 25 - ATG5 25	G6	35	15	28	19	7	6.0	3.5	C-5
SVJ27-PE10G-003+RC	TG5 32 - ATG5 32	G6	41	20	38	25	7	6.0	3.5	C-9
SVJ29-PE10G-003+RC	TG5 50 - ATG5 50	G6	59	20	38	25	7	6.0	3.5	C-9
SVE32-PE10G-003+RC	TG10 25 - ATG10 25	G6	35	17	28	21	9	5.5	2.5	C-5
SVE33-PE10G-003+RC	TG10 25 - ATG10 25	G10	35	17	28	21	9	9.5	4.5	C-5
SVE34-PE10G-003+RC	TG10 25 - ATG10 25	G13	35	17	28	21	9	13.0	5.0	C-5
SVJ37-PE10G-003+RC	TG10 32 - ATG10 32	G6	41	22	38	27	9	5.5	2.5	C-9
SVJ38-PE10G-003+RC	TG10 32 - ATG10 32	G10	41	22	38	27	9	9.5	4.5	C-9
SVJ39-PE10G-003+RC	TG10 32 - ATG10 32	G13	41	22	38	27	9	13.0	5.0	C-9
SVJ42-PE10G-003+RC	TG10 50 - ATG10 50	G6	59	22	38	27	9	5.5	2.5	C-9
SVJ43-PE10G-003+RC	TG10 50 - ATG10 50	G10	59	22	38	27	9	9.5	4.5	C-9
SVJ44-PE10G-003+RC	TG10 50 - ATG10 50	G13	59	22	38	27	9	13.0	5.0	C-9
SVJ47-PE10G-003+RC	TG10 75 - ATG10 75	G6	84	22	38	27	9	5.5	2.5	C-9
SVJ48-PE10G-003+RC	TG10 75 - ATG10 75	G10	84	22	38	27	9	9.5	4.5	C-9
SVJ49-PE10G-003+RC	TG10 75 - ATG10 75	G13	84	22	38	27	9	13.0	5.0	C-9
SVJ52-PE10G-003+RC	TG10 100 - ATG10 100	G6	109	22	38	27	9	5.5	2.5	C-9
SVJ53-PE10G-003+RC	TG10 100 - ATG10 100	G10	109	22	38	27	9	9.5	4.5	C-9
SVJ54-PE10G-003+RC	TG10 100 - ATG10 100	G13	109	22	38	27	9	13.0	5.0	C-9
SVJ58-PE10G-003+RC	TG20 32 - ATG20 32	G13	41	25	38	30	12	11.5	2.5	C-9
SVJ61-PE10G-003+RC	TG20 50 - ATG20 50	G13	59	25	38	30	12	11.5	2.5	C-9
SVJ62-PE10G-003+RC	TG20 50 - ATG20 50	G17	59	25	38	30	12	16.0	4.0	C-9
SVJ65-PE10G-003+RC	TG20 75 - ATG20 75	G13	84	25	38	30	12	11.5	2.5	C-9
SVJ66-PE10G-003+RC	TG20 75 - ATG20 75	G17	84	25	38	30	12	16.0	4.0	C-9
SVJ69-PE10G-003+RC	TG20 100 - ATG20 100	G13	109	25	38	30	12	11.5	2.5	C-9
SVJ70-PE10G-003+RC	TG20 100 - ATG20 100	G17	109	25	38	30	12	16.0	4.0	C-9



Technical data	
Measurement range	1 – 500 Hz
Modulation	5 kHz
Sensor test	25 Hz with OK message
Readout error	+/- 0.3 Hz
Resolution	+/- 0.1 Hz
Operation temperature	-20 °C...+85 °C [-68 °F...+185 °F]
Storage temperature	-40 °C...+105 °C [-40 °F...+221 °F]
Humidity	20 – 95%
Housing	Plastic (PVC) IP10
Housing sensor	Plastic IP66
Housing dimensions WxHxD	75 x 115 x 35 mm [2.95 x 4.53 x 1.38 in]
Carrying-case dimensions	230 x 220 x 75 mm [9.06 x 8.66 x 2.95 in]
Display	2 line LCD 12 x 60 mm [0.47 x 2.36 in] with background illumination
Languages	English, French, German, Japanese
Input limits	Free belt strand: 30 – 9,999 mm
Input limits	Belt mass: 0.001 – 99.999 kg/m
No. of storage locations	255 ★★★★★
Voltage supply	9 V alkaline battery, type E-Block 6LR61
Interface	RS232, DSUB9



PML portable press series

Hot-pressing device for joining timing belts up to 600 mm width.

The external control unit provides full management of the joining cycle parameters (temperature and time) and the cooling fan system.



Details				Power supply				Method				
Product name	Max. belt width	Ordering code	Article name	Power [W]	Manual	1 x 120 V	1 x 230 V	3 x 230 V	3 x 400 V	Flexproof	Quickmelt	Thermofix
PML-100	100	H088000630	PML-100/6	1000	•					•	•	•
PML-100	100	H088000631	PML-100/8	1000			•			•	•	•
PML-200	200	H088000632	PML-200/6	1200	•					•	•	•
PML-200	200	H088000633	PML-200/8	1200			•			•	•	•
PML-300	300	H088000634	PML-300/6	1600	•					•	•	•
PML-300	300	H088000635	PML-300/8	1600			•			•	•	•
PML-600	600	H088000636	PML-600/6	1600	•					•	•	•
PML-600	600	H088000637	PML-600/8	1600			•			•	•	•

- Available

AF-151TB

Cutting device for joining timing belts up to 152.4 mm width.

The portable cutting device with separate accessories for easy maintenance supports flexible on-site joining.



Details				Power supply				Method			Dimensions					
Product name	Max. belt width	Ordering code	Article name	Power [W]	Manual	1 x 120 V	1 x 230 V	3 x 230 V	3 x 400 V	Flexproof	Quickmelt	Thermofix	Length [mm]	Width [mm]	Height [mm]	Weight [kg]
AF-151-10/80 TB	150 mm	50011189	AF-151-10/80		•					•			720	215	670	18
AF-151-16/120 TB	150 mm	50011186	AF-151-16/120		•					•			720	215	670	18

- Available

Available accessories

Cutting device / type:	AF-151-10/80 SET	Cutting device / type:	AF-151-16/120 SET
Blade 80 mm order no.:	A-0127 000	Blade 120 mm order no.:	A-0224 000
Die support order no.:	AF-150-08	Die support order no.:	AF-150-08
Clamping strip order no.:	S552500223	Clamping strip order no.:	S552500223

When HabaSYNC® timing belts need to be joined, Habasit joining plates provide outstanding results and smooth pulley engagement. Thanks to a special micro-coating, Habasit joining plates have excellent non-sticking properties and durability. A large variety of pitch-width alternatives is available to cover every situation, including both metric and imperial standard pitches.

Metric pitch						
Width [mm]	Ordering code	Product name	Ordering code	Product name	Ordering code	Product name
	T5		T10		T20	
10	H088000105	CJ-T5-10-03				
16	H088000002	CJ-T5-16-03	H088000010	CJ-T10-16-03	H088000018	CJ-T20-16-03
25	H088000003	CJ-T5-25-03	H088000011	CJ-T10-25-03	H088000019	CJ-T20-25-03
32	H088000004	CJ-T5-32-03	H088000012	CJ-T10-32-03	H088000020	CJ-T20-32-03
50	H088000005	CJ-T5-50-03	H088000013	CJ-T10-50-03	H088000021	CJ-T20-50-03
75	H088000006	CJ-T5-75-03	H088000014	CJ-T10-75-03	H088000022	CJ-T20-75-03
100	H088000007	CJ-T5-100-03	H088000015	CJ-T10-100-03	H088000023	CJ-T20-100-03
125	H088000008	CJ-T5-125-03	H088000016	CJ-T10-125-03	H088000024	CJ-T20-125-03
150	H088000009	CJ-T5-150-03	H088000017	CJ-T10-150-03	H088000025	CJ-T20-150-03

Metric pitch						
Width [mm]	Ordering code	Product name	Ordering code	Product name	Ordering code	Product name
	AT5		AT10		AT20	
16	H088000026	CJ-AT5-16-03	H088000034	CJ-AT10-16-03	H088000042	CJ-AT20-16-03
25	H088000027	CJ-AT5-25-03	H088000035	CJ-AT10-25-03	H088000043	CJ-AT20-25-03
32	H088000028	CJ-AT5-32-03	H088000036	CJ-AT10-32-03	H088000044	CJ-AT20-32-03
50	H088000029	CJ-AT5-50-03	H088000037	CJ-AT10-50-03	H088000045	CJ-AT20-50-03
75	H088000030	CJ-AT5-75-03	H088000038	CJ-AT10-75-03	H088000046	CJ-AT20-75-03
100	H088000031	CJ-AT5-100-03	H088000039	CJ-AT10-100-03	H088000047	CJ-AT20-100-03
125	H088000032	CJ-AT5-125-03	H088000040	CJ-AT10-125-03	H088000048	CJ-AT20-125-03
150	H088000033	CJ-AT5-150-03	H088000041	CJ-AT10-150-03	H088000049	CJ-AT20-150-03

Metric pitch								
Width [mm]	Ordering code	Product name	Ordering code	Product name	Ordering code	Product name	Ordering code	Product name
	5M		8M		14M		RPP8	
10	H088000124	CJ-HTD5-10-03	H088000084	CJ-HTD8-10-03	H088000094	CJ-HTD14-10-03		
15	H088000125	CJ-HTD5-15-03	H088000085	CJ-HTD8-15-03	H088000095	CJ-HTD14-15-03		
20	H088000174	CJ-HTD5-20-03	H088000086	CJ-HTD8-20-03	H088000096	CJ-HTD14-20-03	H08D010067	CJ-RPP8-20-03
25	H088000126	CJ-HTD5-25-03	H088000087	CJ-HTD8-25-03	H088000097	CJ-HTD14-25-03		
30	H088000175	CJ-HTD5-30-03	H088000088	CJ-HTD8-30-03	H088000098	CJ-HTD14-30-03		
40	H088000176	CJ-HTD5-40-03	H088000089	CJ-HTD8-40-03	H088000099	CJ-HTD14-40-03		
50	H088000127	CJ-HTD5-50-03	H088000090	CJ-HTD8-50-03	H088000100	CJ-HTD14-50-03	H08D010065	CJ-RPP8-50-03
55					H088000122	CJ-HTD14-55-03		
85			H088000091	CJ-HTD8-85-03	H088000101	CJ-HTD14-85-03	H08D010063	CJ-RPP8-85-03
100	H088000178	CJ-HTD5-100-03	H088000092	CJ-HTD8-100-03	H088000102	CJ-HTD14-100-03	H08D010061	CJ-RPP8-100-03
115					H088000123	CJ-HTD14-115-03		
150	H088000179	CJ-HTD5-150-03	H088000093	CJ-HTD8-150-03	H088000103	CJ-HTD14-150-03	H08D010059	CJ-RPP8-150-03

Metric pitch				
Width [mm]	Ordering code	Product name	Ordering code	Product name
	T5CF		T10CF	
25	H08D010030	CJ-T5CF-25-03	H08D010026	CJ-T10CF-25-03
32	H08D010031	CJ-T5CF-32-03	H08D010027	CJ-T10CF-32-03
50	H08D010032	CJ-T5CF-50-03	H08D010028	CJ-T10CF-50-03
100	H08D010033	CJ-T5CF-100-03	H08D010029	CJ-T10CF-100-03

Metric pitch		
Width [mm]	Ordering code	Product name
	AT10G13	
32	S550050111	CJ-AT10G13-32
50	S550050110	JP AT10G13 50
75	S550050112	JP AT10G13 75
150	S550050154	JP AT10G13 150

Metric pitch				
Width [mm]	Ordering code	Product name	Ordering code	Product name
	DT10		DAT10	
25	S550050150	JP DT10 25	S550050151	JP DAT10 25
32	S550050148	JP DT10 32	S550050149	JP DAT10 32
50	S550050146	JP DT10 50	S550050147	JP DAT10 50
100	S550050144	JP DT10 100	S550050145	JP DAT10 100

Imperial pitch								
Width [inch]	Ordering code	Product name	Ordering code	Product name	Ordering code	Product name	Ordering code	Product name
	XL		L		H		XH	
0.5	H088000107	CJ-XL-050-03	H088000108	CJ-L-050-03	H088000106	CJ-H-050-03		
0.75	H088000074	CJ-XL-075-03	H088000076	CJ-L-075-03	H088000078	CJ-H-075-03	H088000080	CJ-XH-075-03
1	H088000050	CJ-XL-100-03	H088000056	CJ-L-100-03	H088000062	CJ-H-100-03	H088000068	CJ-XH-100-03
1.5	H088000075	CJ-XL-150-03	H088000077	CJ-L-150-03	H088000079	CJ-H-150-03	H088000081	CJ-XH-150-03
2	H08800005	CJ-XL-200-03	H088000057	CJ-L-200-03	H088000063	CJ-H-200-03	H088000069	CJ-XH-200-03
3	H088000052	CJ-XL-300-03	H088000058	CJ-L-300-03	H088000064	CJ-H-300-03	H088000070	CJ-XH-300-03
4	H088000053	CJ-XL-400-03	H088000059	CJ-L-400-03	H088000065	CJ-H-400-03	H088000071	CJ-XH-400-03
5	H088000054	CJ-XL-500-03	H088000060	CJ-L-500-03	H088000066	CJ-H-500-03	H088000072	CJ-XH-500-03
6	H088000055	CJ-XL-600-03	H088000061	CJ-L-600-03	H088000067	CJ-H-600-03	H088000073	CJ-XH-600-03

Manufacturing tolerance open-end belts										
Pitch	T5	T10	T20	AT5	AT10	AT20	XL	L	H	XH
Thickness tolerance [mm]										
Nominal thickness	2.20	4.50	8.00	2.70	4.50	8.00	2.30	3.60	4.30	11.20
Min.	2.05	4.20	7.55	2.50	4.20	7.55	2.15	3.40	4.00	10.70
Max.	2.35	4.80	8.45	2.90	4.80	8.45	2.45	3.80	4.60	11.70
Width tolerance [mm]										
Nominal width	150.0	150.0	150.0	150.0	150.0	150.0	152.4	152.4	152.4	152.4
Min.	149.5	149.0	149.0	149.5	149.5	149.0	151.9	151.9	151.9	151.5
Max.	152.0	150.5	151.0	151.0	150.5	150.5	152.9	153.5	152.9	152.5
Tooth geometry	According to DIN 7721 – metric pitches and DIN ISO 5296 – imperial pitches									
Pitch tolerance	+/- 0.8mm /m									

Manufacturing tolerance open-end belts										
Pitch	5M	8M	14M	RPP8	TT5	ATM10	ATM20	AT5P	AT10P	AT20P
Thickness tolerance [mm]										
Nominal thickness	3.60	5.60	10.00	5.40	2.80	4.50	8.00	2.85	4.85	8.00
Min.	3.40	5.40	9.55	5.10	2.65	4.20	7.55	2.70	4.70	7.55
Max.	3.80	5.80	10.45	5.70	2.95	4.80	8.45	3.00	5.00	8.45
Width tolerance [mm]										
Nominal width	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
Min.	149.5	149.5	149.0	149.5	149.0	149.5	149.0	149.0	149.0	149.0
Max.	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5	150.5
Tooth geometry	According to DIN 7721 – metric pitches and DIN ISO 5296 – imperial pitches									
Pitch tolerance	+/- 0.8mm /m									

Manufacturing tolerance open-end belts							
Pitch	8MP	14MP	AT10G13	HGO	HGA	FL10	TF-102
Thickness tolerance [mm]							
Nominal thickness	5.60	10.00	4.60	4.30	4.30	3.40	4.60
Min.	5.40	9.55	4.20	4.00	4.00	3.30	4.50
Max.	5.80	10.45	4.80	4.60	4.60	3.50	4.70
Width tolerance [mm]							
Nominal width	150.0	150.0	150.0	152.4	152.4	150.0	150.0
Min.	149.5	149.0	149.5	151.4	151.4	149.5	149.0
Max.	150.5	150.5	150.5	152.9	152.9	150.5	151.0
Tooth geometry	According to DIN 7721 – metric pitches and DIN ISO 5296 – imperial pitches						
Pitch tolerance	+/- 0.8mm /m						

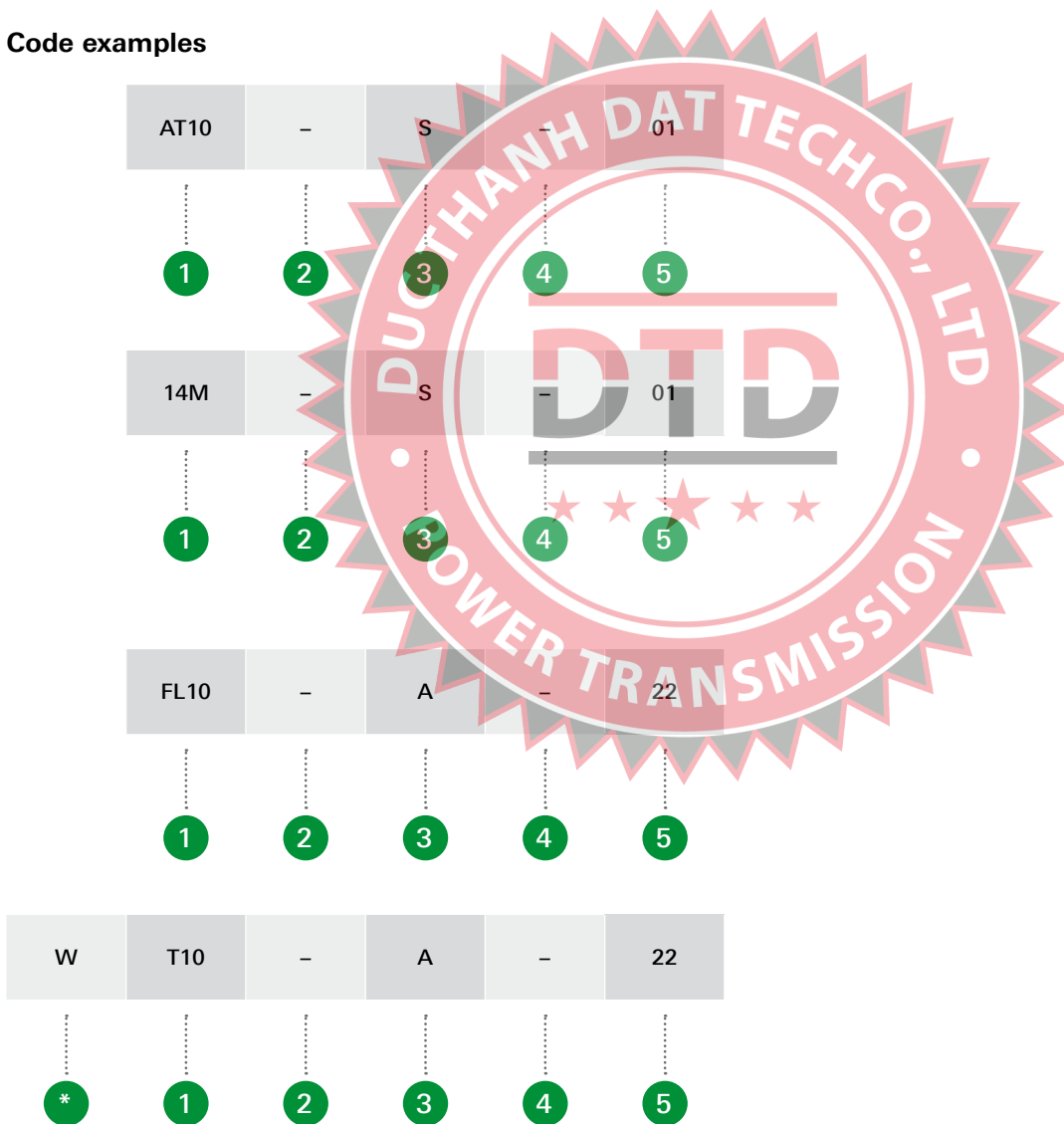
Manufacturing tolerance wide timing belts		
Pitch	T10	H
Thickness tolerance [mm]		
Nominal thickness	4.50	4.30
Min.	4.20	4.00
Max.	4.80	4.60
Width tolerance [mm]		
Nominal width	609.6	609.6
Min.	607.6	607.6
Max.	611.6	611.6
Tooth geometry	According to DIN 7721 – metric pitches and DIN IDO 5296 – imperial pitches	
Pitch tolerance	+/- 0.8mm /m	

Manufacturing tolerance flex seamless timing belts										
Pitch	T5	T10	T20	AT5	AT10	AT20	XL	L	H	XH
Thickness tolerance [mm]										
Nominal thickness	2.20	4.50	8.00	2.70	4.50	8.00	2.30	3.60	4.30	11.20
Min.	2.05	4.20	7.55	2.50	4.20	7.55	2.00	3.30	4.00	10.70
Max.	2.35	4.80	8.45	2.90	4.80	8.45	2.60	3.90	4.60	11.70
Width tolerance [mm]										
Nominal width	150.0	150.0	150.0	150.0	150.0	150.0	152.4	152.4	152.4	152.4
Min.	149.5	149.5	149.0	149.5	149.5	149.0	151.9	151.9	151.9	151.4
Max.	150.5	150.5	151.0	150.5	150.5	151.0	152.9	152.9	152.9	153.4
Tooth geometry	According to DIN 7721 – metric pitches and DIN ISO 5296 – imperial pitches									
Pitch tolerance	+/- 0.8mm /m									

Manufacturing tolerance flex seamless timing belts				
Pitch	5M	8M	14M	RPP8
Thickness tolerance [mm]				
Nominal thickness	3.60	5.60	10.00	5.40
Min.	3.40	5.30	9.55	5.10
Max.	3.80	5.90	10.45	5.70
Width tolerance [mm]				
Nominal width	150.0	150.0	150.0	150.0
Min.	149.5	149.5	149.0	149.5
Max.	150.5	150.5	151.0	150.5
Tooth geometry	According to DIN 7721 – metric pitches and DIN ISO 5296 – Imperial pitches			
Pitch tolerance	+/- 0.8mm /m			

- * Prefix of timing belt sub-group (max 2 units)
- 1 Type of tooth (shape) and pitch (max 5 units)
- 2 Reading aid
- 3 Tensile member (cord) material (max 2 units)
- 4 Reading aid
- 5 Material type (comprises color) (2 units)

Code examples



F	AT20	-	S	-	01
---	------	---	---	---	----



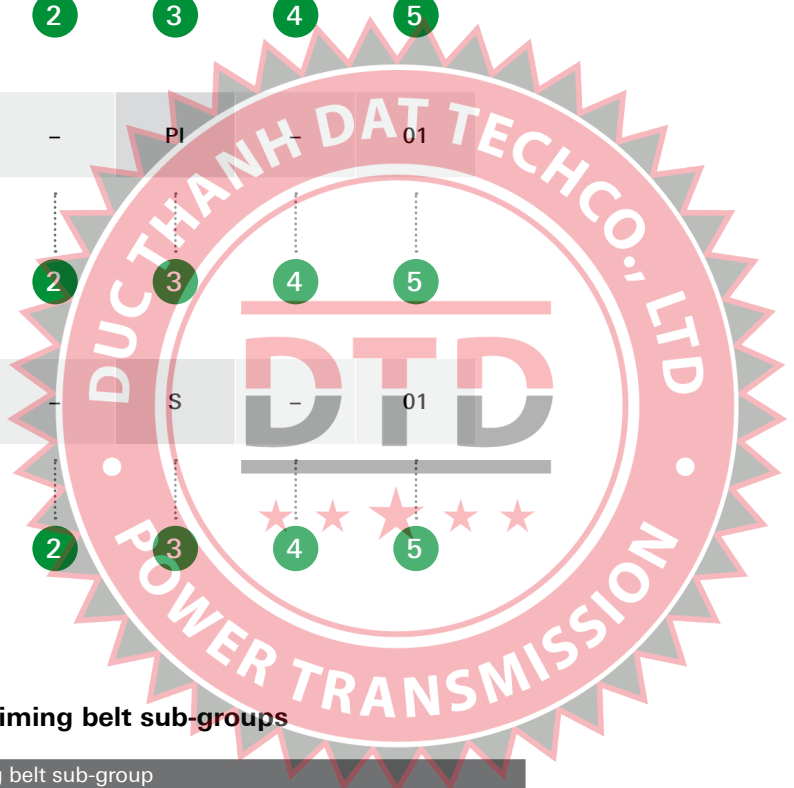
DF	AT20	-	S	-	01
----	------	---	---	---	----



DF	AT20	-	PI	-	01
----	------	---	----	---	----



D	AT10	-	S	-	01
---	------	---	---	---	----



*** HabaSYNC® timing belt sub-groups**

Code prefix	Timing belt sub-group
None	Open-end timing belts
C	Cast timing belts
DF	Double-sided truly endless timing belts
D	Double-sided timing belts
F	Truly endless timing belts
N	Neoprene timing belts
W	Wide timing belts

Product code structure for HabaSYNC® timing belts

Detailed explanation of code key

Basic code explanation

1 1st code position – max 5 units – Type of tooth (shape) and pitch

AT5	Metric pitch 5 mm, modified trapezoid toothed
AT10	Metric pitch 10 mm, modified trapezoid toothed
AT20	Metric pitch 20 mm, modified trapezoid toothed
T5	Metric pitch 5 mm, trapezoid toothed
T10	Metric pitch 10 mm, trapezoid toothed
T20	Metric pitch 20 mm, trapezoid toothed
5M	Metric pitch 5 mm, curvilinear toothed shape
8M	Metric pitch 8 mm, curvilinear toothed shape
14M	Metric pitch 14 mm, curvilinear toothed shape
XL	Imperial pitch 1/5" (5.08 mm), trapezoid toothed
L	Imperial pitch 3/8" (9.525 mm), trapezoid toothed
H	Imperial pitch 1/2" (12.700 mm), trapezoid toothed
XH	Imperial pitch 7/8" (22.225 mm), trapezoid toothed
RPP8	Metric pitch 8 mm, specific curvilinear toothed shape
ATM10	Metric pitch 10 mm, modified trapezoid toothed, designed with space between slitting lanes for holes of 6 mm max for mechanical attachments
ATM20	Metric pitch 20 mm, modified trapezoid toothed, designed with space between slitting lanes for holes of 6 mm max for mechanical attachments
TT5	Metric pitch 5 mm, trapezoid toothed, additional 0.6 mm matrix material on the conveying side
FL10	Flat (timing) belt with metric pitch 10 mm but without teeth

2 Interruption – Reading aid – Hyphen (used on product data sheets (PDS) and marketing documentation)

3 3rd code position – 1 unit – Tensile member (cord) material

A	Aramid
C	Carbon (fiber)
G	Glass (fiber)
H	Highly flexible steel cords
I	Stainless steel
N	No cord
P	Performance steel
S	(Standard) Steel
T	Stainless steel PU covered
Special performance tensile member variants	
PA	Performance aramid
PH	Performance highly flexible steel
PI	Performance stainless steel
PT	Performance stainless steel PU covered

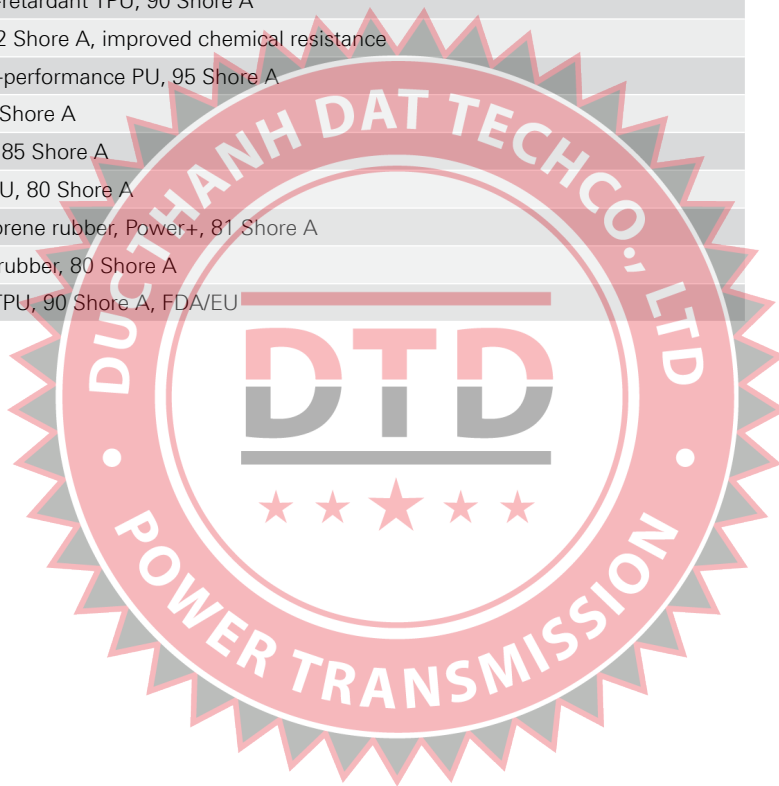
Product code structure for HabaSYNC® timing belts

Detailed explanation of code key

4 Interruption – Reading aid – Hyphen (used on product data sheets (PDS) and marketing documentation)

5 5th code position – 2 units – Material type (comprises color)

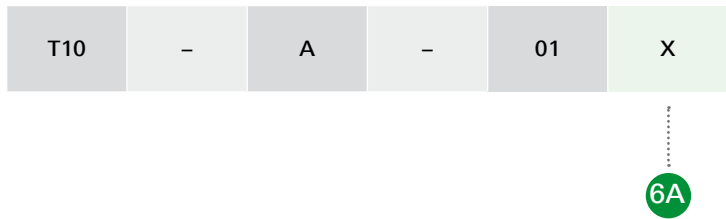
01	White TPU, 92 Shore A
02	Transparent TPU, 88 Shore A
03	Green TPU, 88 Shore A
04	White TPU, 92 Shore A, improved chemical resistance
05	Blue TPU, 90 Shore A, FDA/EU
06	Black TPU, 92 Shore A
07	Orange TPU, 88 Shore A
08	White, flame-retardant TPU, 90 Shore A
09	Black TPU, 92 Shore A, improved chemical resistance
12	Natural, high-performance PU, 95 Shore A
13	Red TPU, 90 Shore A
14	Orange TPU, 85 Shore A
15	Light blue TPU, 80 Shore A
20	Black chloroprene rubber, Power+, 81 Shore A
21	Black HNBR rubber, 80 Shore A
22	Transparent TPU, 90 Shore A, FDA/EU



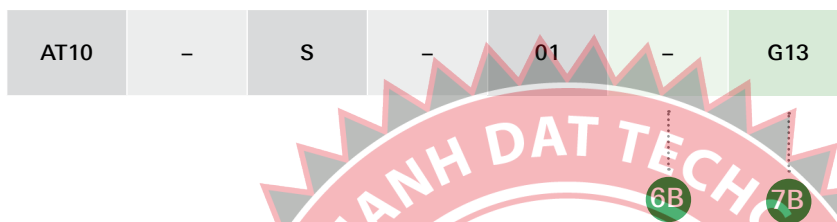
Product code structure for HabaSYNC® timing belts

Detailed explanation of code key

HabaSYNC® timing belts with variant versions



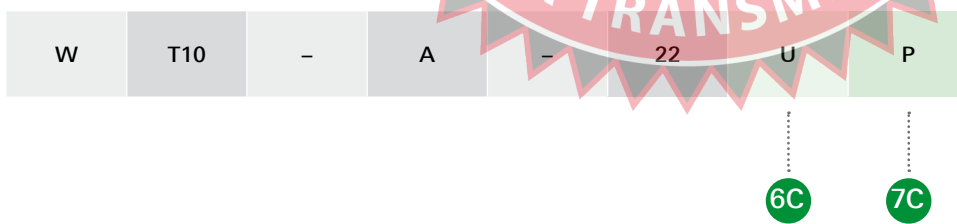
HabaSYNC® open end timing belts with possible additions



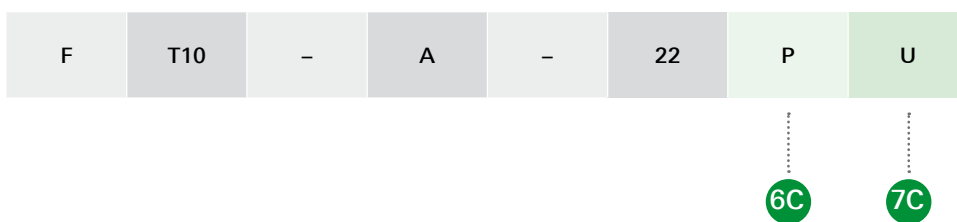
HabaSYNC® open end timing belts with possible additions



HabaSYNC® wide timing belts



HabaSYNC® truly endless belts with possible additions



Product code structure for HabaSYNC® timing belts

Detailed explanation of code key

- 6A** Only needed for timing belts with variant versions
6th code position – max. 2 units – Extra thickness / flight adaptation

X	Slightly increased conveying side with 0.5 mm extra thickness	T10-A-01 X
D	Heavy belt version prepared for double teeth fabrication	T10-A-01 D
E	Heavy belt version with 1.3 mm extra thickness	T10-A-01 E
F	Heavy belt version with 1.4 mm extra thickness	T10-A-01 F
M	Heavy belt version with 1.5 mm extra thickness	T10-A-01 M
H	Heavy belt version with 2.0 mm extra thickness	T10-A-01 H
I	Heavy belt version with 2.5 mm extra thickness	T10-A-01 I
J	Heavy belt version with 3.0 mm extra thickness	T10-A-05 J
K	Heavy belt version with 4.0 mm extra thickness	T10-A-05 K
L	Heavy belt version with 5.5 mm extra thickness	T10-A-05 L
Y	Heavy belt version with 7.0 mm extra thickness	T10-A-05 Y
Z	Heavy belt version with 4.25 mm extra thickness	T10-A-01 Z
CF	Closed flight version with encapsulated tensile members (sealed tooth side to protect the cords)	T10-A-05 CF

- 6B** Only needed for timing belts with integrated tracking guide
6th code position – 1 unit – Reading aid

- 7B** Only needed for timing belts with integrated tracking guide –
7th code position – max 3 units – Tracking guide

G6	Self-tracking timing belts provide integrally extruded 6 mm guide profile
G10	Self-tracking timing belts provide integrally extruded 10 mm guide profile
G13	Self-tracking timing belts provide integrally extruded 13 mm guide profile
GA	Self-tracking timing belts provide integrally extruded 0.50" guide profile
GO	Self-tracking timing belts provide integrally extruded 0.38" guide profile

End of the basic belt code mentioned in the header on the PDS.

Product code structure for HabaSYNC® timing belts

Detailed explanation of code key

6C 7C Needed to identify the basic belt type more precisely –
Shifting position* – 2 units – Fabric facings on tooth and conveying side

U	U	Uncovered tooth and conveying side - no cover on both sides
P	U	Tooth side: low coefficient of friction polyamide fabric, green Conveying side: uncovered
U	P	Tooth side: uncovered Conveying side: high-abrasion resistant polyamide fabric, green
P	P	Tooth side: low coefficient of friction polyamide fabric, green Conveying side: high-abrasion resistant polyamide fabric, green
Special options for fabric facings on tooth and conveying side		
A	A	Tooth side: antistatic polyamide fabric, black Conveying side: antistatic polyamide fabric, black
A	U	Tooth side: antistatic polyamide fabric, black Conveying side: uncovered
U	H	Tooth side: uncovered Conveying side: Heatmate (aramid fleece)
P	H	Tooth side: high-abrasion resistant polyamide fabric, green Conveying side: Heatmate (aramid fleece)
B	U	Tooth side: polyamide fabric, black Conveying side: uncovered
W	U	Tooth side: polyamide fabric, white, food approved Conveying side: uncovered
U	G	Tooth side: uncovered Conveying side: glossy surface

Remark: For different facing on tooth and conveying side, consult the HabaSYNC® Product Manager or your local HabaSYNC® specialist. Facing configurations are based per pitch type and timing belt sub-group. Not all configurations are available for all pitches and sub-groups.

“Standard” HabaSYNC® timing belt code ends here.

In order confirmations, invoices, etc. further details can be used to describe belt types.

Shifting position* (up to 5 units) – Slitting lane set-up

15x10	15 times 10 (mm)
10x15	10 times 15 (mm)
9x16	9 times 16 (mm)
4x25	4 times 25 (mm)
6x25	6 times 25 (mm)
8x25	8 times 25 (mm)
1x600	1 times 600 (mm)
8x075	8 times 0.75 (inch)
xxC	xx = main slit lane measurement accompanied by secondary values (e.g. 8MS01UU85C -> 15-15-85-15-15 or 14MS01UU55C -> 55-20-20-55)

Remark: For different slit lane configurations, consult the HabaSYNC® Product Manager or your local HabaSYNC® specialist. Slit lane configurations are based per pitch type and not all configurations are available for all pitches.

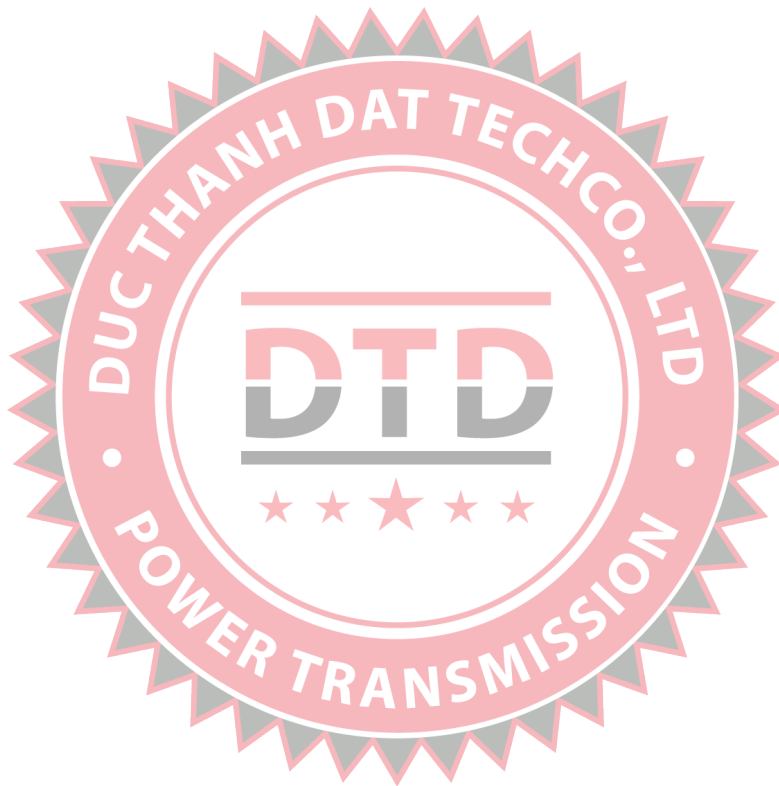
*Position of characters depending on previously mentioned belt features

Customized cords layout:

To better meet your customer application requirements you can adopt slitting lanes to meet specific needs. Fully customized cord layout is possible for flex belt range. The special design requires a drawing and coding added. Standard belt nomenclature will be extended by customized modification number. In case of request please get in touch with a Habasit representative.

Possible additions for Flex belts:

Various options are possible including an additional coating. Extended code was developed to help to describe the customer needs in a consistent way. In case of any request please get in touch with a Habasit representative.



Customers first

Your success is our goal. That is why we don't just offer products; we provide solutions. As committed partners to our customers, we are dedicated to sharing our knowledge and providing full support.

Since our founding in 1946, Habasit has been finding ways to meet customer-specific needs in every application. This is what differentiates us as the #1 worldwide belting provider in the industry today.



Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that have led the global market for decades.



Belt selection and calculation assistance

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at selecalc.habasit.com.



Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.



Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.

Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location.



Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customers' sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.





Committed to innovation

Because our customers' belting challenges and needs are always changing, we consistently invest a substantial amount of labor and resources into the research and development of new products and solutions.

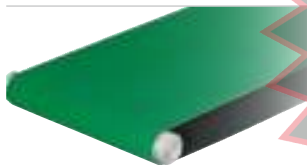
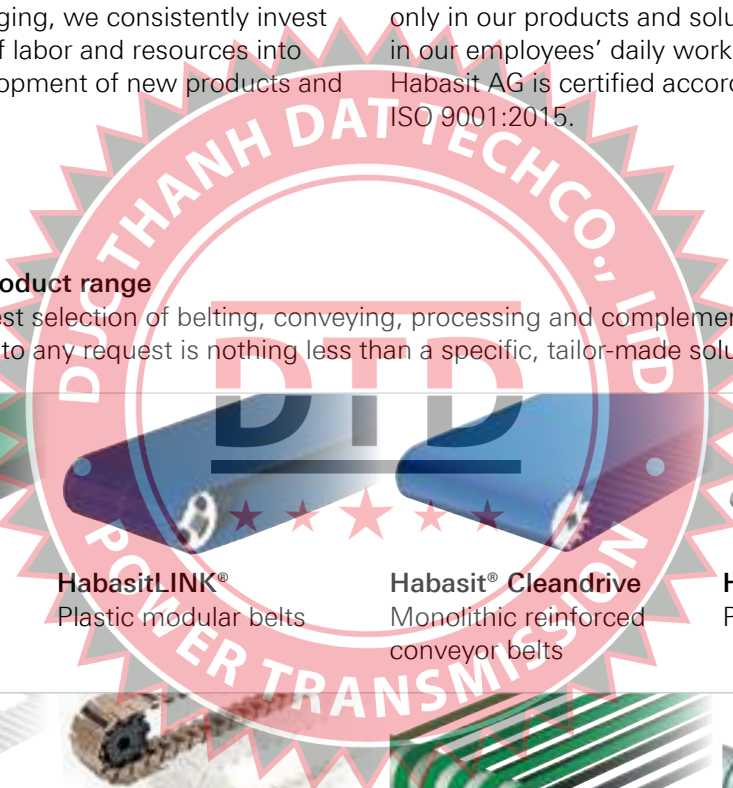
Certified for quality

We deliver the highest quality standards not only in our products and solutions, but also in our employees' daily work processes. Habasit AG is certified according to ISO 9001:2015.



Worldwide leading product range

Habasit offers the largest selection of belting, conveying, processing and complementary products in the industry. Our response to any request is nothing less than a specific, tailor-made solution.



HabaFLOW®
Fabric-based conveyor and processing belts



HabasitLINK®
Plastic modular belts



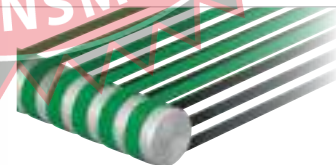
HabaDRIVE®
Power transmission belts



HabaSYNC®
Timing belts



HabaCHAIN®
Chains (slat and conveyor chains)



Machine tapes



Round belts



Seamless belts



HabiPLAST
Profiles, Guides, Wear strips



Accessories
(sprockets, flights, welding profiles, etc.)



Fabrication tools
(joining, cutting & preparing devices)

Australia

Habasit Australia Pty Ltd.
Silverwater, Sydney
Phone: +61 1300 945 455
www.habasit.com.au

Austria

Habasit GmbH, Wiener Neudorf
Phone: +43 1 690 66
www.habasit.at

Belgium & Luxembourg

Habasit Belgium N.V., Zaventem
Phone: +32 27 250 430
www.habasit.be | habasit.lu

Brazil

Habasit do Brasil, Barueri - SP
Phone: +55 11 4789 9022
www.habasit.com.br

Canada

Habasit Canada Ltd., Oakville
Phone: +1 905 827 41 31
www.habasit.ca

China

Habasit East Asia Ltd.
Fotan, Shatin, N.T., Hong Kong
Phone: +852 2145 0150
www.habasit.com.hk

Habasit (Shanghai) Co. Ltd.
Shanghai
Phone: +8621 5488 1218
www.habasit.com.cn

France

Habasit France SAS, Mulhouse
Phone: +33 3 89 33 89 03
www.habasit.fr

Germany

Habasit GmbH, Eppertshausen
Phone: +49 6071 969 0
www.habasit.de

India

Habasit India, Coimbatore
Phone: +91 422 666 78 00
www.habasit.in

Italy

Habasit Italiana SpA
Customer Care: 0438 911333
For int. calls: +39 0438 911444
www.habasit.it

Japan

Habasit Nippon Co., Ltd., Tokyo
Phone: +81 120 07 6339
www.habasit.co.jp

Korea (Republic of)

Habasit Korea Ltd., Seongnam
Phone: +82 31 737 9370
www.habasit.co.kr

Mexico

Habasit Rocua, Zapopan
Phone: +52 33 3824 2358
www.habasitrocua.mx

Netherlands

Habasit Netherlands BV, Nijkerk
Phone: +31 332 472 030
www.habasit.nl

New Zealand

Habasit New Zealand Pty Ltd.
Auckland
Phone: 0800 000 070
www.habasit.co.nz

Nordic countries

Habasit AB, Hindås, Sweden
Phone: +46 301 226 00
www.habasit.se

Poland

Habasit Polska Sp. z o.o.
Dąbrowa Górnicza
Phone: +48 32 639 02 40
www.habasit.pl

Russia

OOO Habasit Ltd.
Moscow Region
Phone: +7 495 966 1566
www.habasit.ru

Singapore

Habasit Far East Pte Ltd.
Singapore
Phone: +65 6862 5566
www.habasit.com.sg

South Africa

Habasit South Africa Pty Ltd.
Gauteng
Phone: +27 10 001 6770
www.habasit.co.za

Spain

Habasit Hispánica S.A.
Barberá del Vallés
Phone: +34 937 191 912
www.habasit.es

Switzerland

Habasit GmbH, Reinach
Phone: +41 61 577 51 00
www.habasit.ch

Taiwan

Habasit (Taiwan) Ltd.
New Taipei City
Phone: +886 2 2267 0538
www.habasit.com.tw

Turkey

Habasit Kayis San.
Ve Tic. Ltd. Sti., Istanbul
Phone: +90 444 70 43
www.habasit.com.tr

Ukraine

Habasit Ukraine LLC., Kyiv
Phone: +38 044 290 88 99
www.habasit.ua

United Kingdom & Ireland

Habasit UK Ltd., Elland
Phone: +44 333 207 6570
www.habasit.co.uk

USA

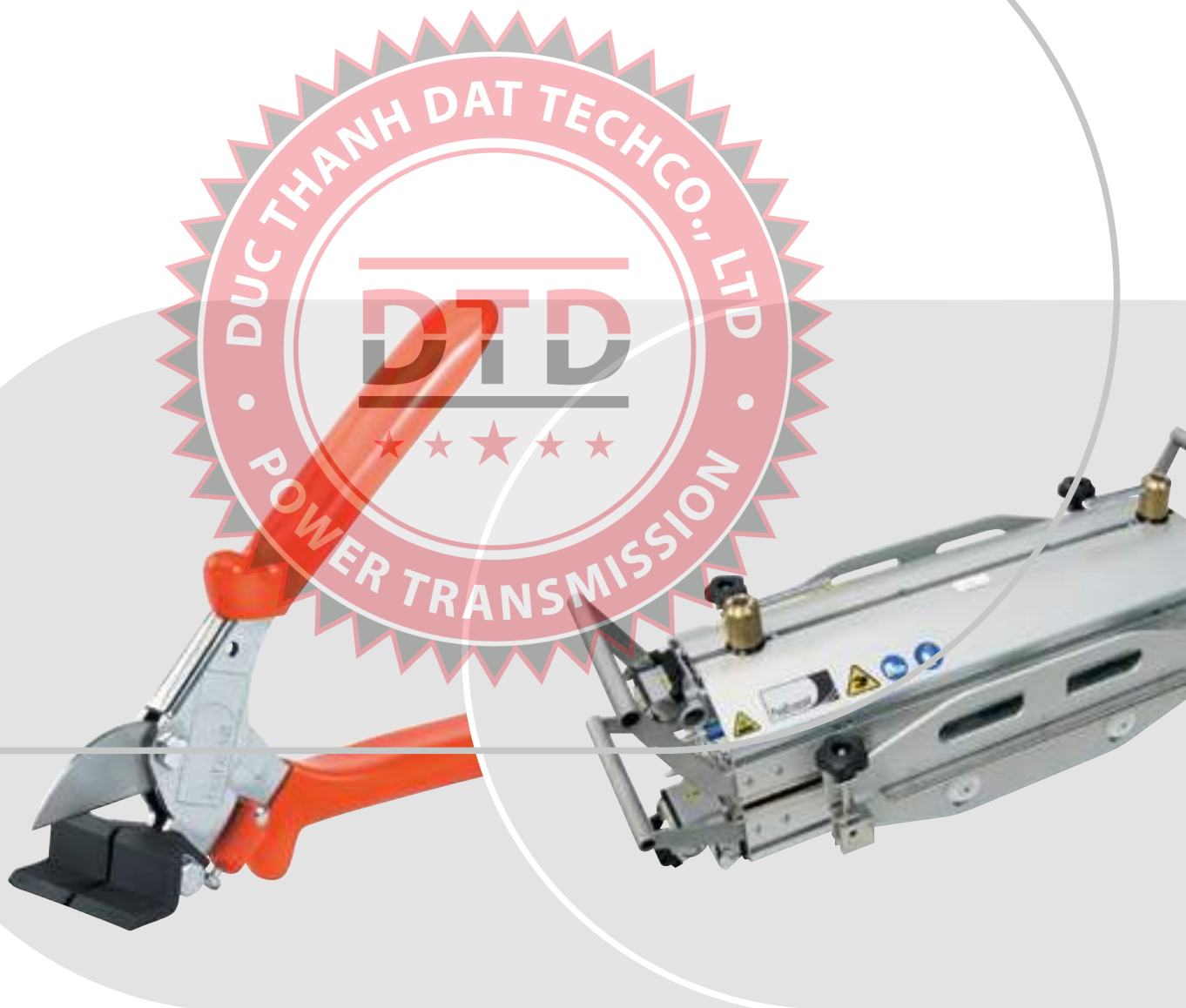
Habasit America
Suwanee, Georgia
Phone: +1 800 458 6431
www.habasitamerica.com

Habasit International AG

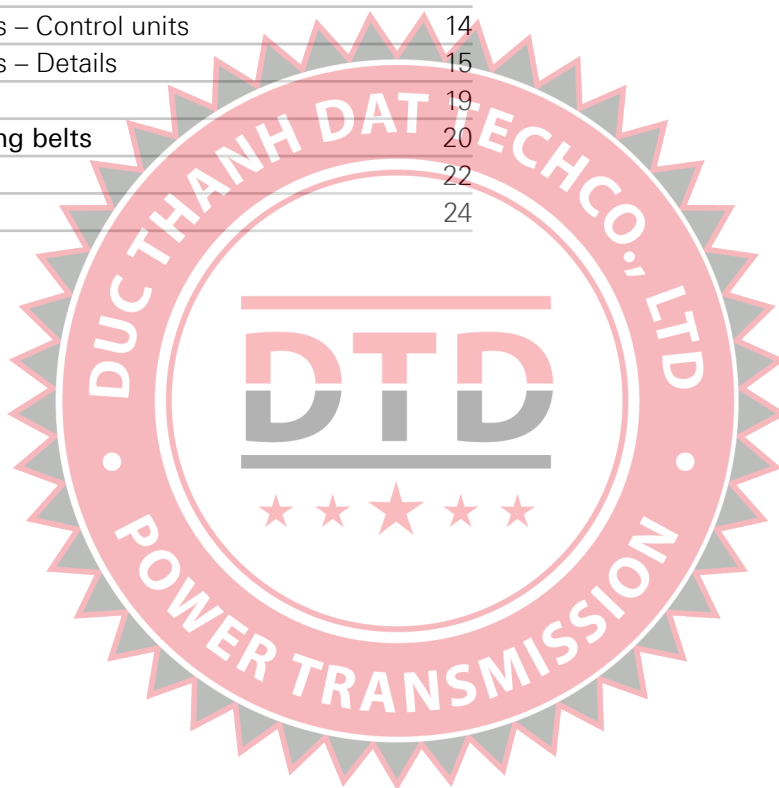
Römerstrasse 1
CH-4153 Reinach, Switzerland
Phone +41 61 715 15 15
Fax +41 61 715 15 55
www.habasit.com

Registered trademarks
Copyright Habasit International AG
Subject to alterations
4451BRO.TIM-en0119HQR

Habasit Fabrication Tools and Hot Presses



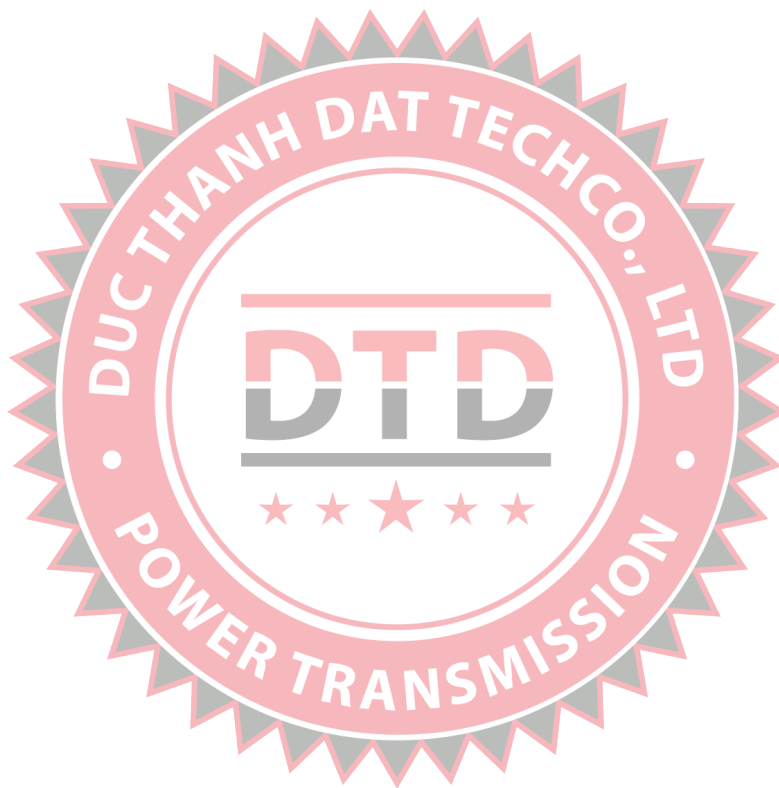
Introduction	3
Joining methods	4
Cutting devices	5
Skiving devices	6
Die-cutting devices	7
Joining devices	8
Quickmelt joining devices	8
Flexproof joining devices	9
Thermofix joining devices	10
Thermofix joining devices	11
Hot-pressing devices	12
Hot-pressing devices – Press series	13
Hot-pressing devices – Control units	14
Hot-pressing devices – Details	15
Guide rails	19
Joining plates for timing belts	20
Solutions in motion	22
Contacts	24



Effective and efficient fabrication of belts on site is made possible with the broad range of Habasit tools. The available equipment series cover the requirements of standard or specialized in-house fabrication, as well as on-site installations of belts and tapes.

The range includes:

- Cutters and slitters for length and width
- Die-cutter and skiving devices for belt end preparation
- Hot-pressing devices for the joining process
- Welders and welding machines for belts, profiles, etc.
- Accessories such as coiling devices, regulating units, guide rails, etc.



Habasit belts are joined using three different standard techniques, each providing different features and advantages, based on the application and the product type to be joined.

Thermofix is a method, suitable for most Habasit products, which only requires simple tools. It can withstand working temperatures up to 100 °C.

Flexproof reduces joints' longitudinal stiffness. Thanks to its finger-shaped ends, it provides the maximum contact surface.

Quickmelt is the easiest and fastest joining technique, mostly used on monolithic belts. It consists of cutting and hot-pressing the belt ends, providing flexible joining areas and a perfect visual result.

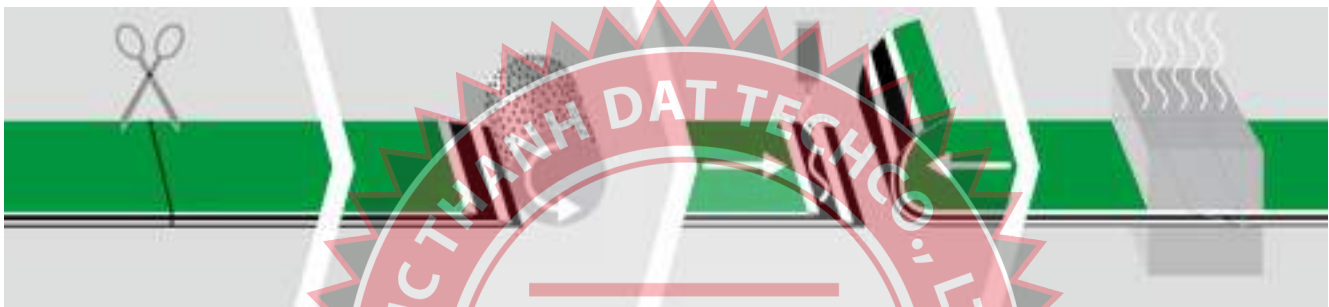
Thermofix

Cut to size

Skive

Apply adhesive

Hot-pressing



Flexproof

Cut to size

Die-cut / finger-cut

Join

Hot-press



Quickmelt

Cut to size and angle

Join

Hot-press



S-16

Manual scissors for cutting round belts, up to 15 mm in diameter. Ideal for Polycord, Habicord, and small section extruded profiles.



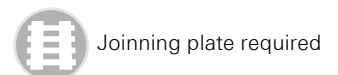
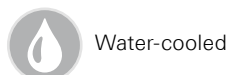
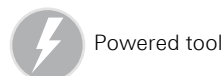
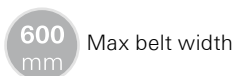
AQ-40

Manual scissors for cutting flat belts, up to 40 mm wide and 3 mm thick. Marks on the cutting bed allow angled cuts. Designed for machine tapes, requiring Quickmelt joining.



Details			Power supply	Product type	Method	Dimensions													
Product name	Max. belt width	Ordering code	Article name	Power [W]	Manual	Timing belts	Conveyor belts	Habasit® Cleanrive	Round belts	Power transmission	Machine tapes	Joining plate required	Flexproof	Quickmelt	Thermofix	Length [mm]	Width [mm]	Height [mm]	Weight [kg]
S-16	15	H080690010	S-16/0	•	•	•	•	•	•	•	•	•	•	•	•	165	40	45	1
AQ-40	40	H080690020	AQ-40/0	•	•	•	•	•	•	•	•	•	•	•	•	220	80	55	1

Key to symbols



AT-60

Manual grinding disc skiving tool for belts requiring Thermofix joining, up to 60 mm wide and 2 mm thick. This tool is designed for occasional preparation of single power transmission belts and spindle tapes.



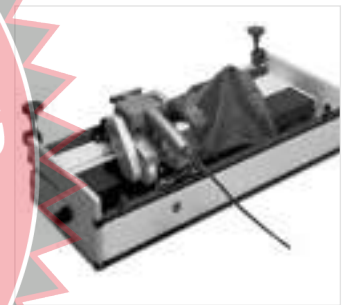
AT-200

Grinding roller skiving tool for belts requiring Thermofix joining, up to 200 mm wide and 7 mm thick. The tool is available in two versions: with and without power drive, which consists of a high-torque power drill.



A-600

Belt sander skiving tool for belts requiring Thermofix joining, up to 600 mm wide and 6 mm thick. Wider belts can also be processed in multiple steps.



Details				Power supply					Product type					Method			Dimensions						
Product name	Max. belt width	Ordering code	Article name	Power [W]	Manual	1 x 120 V	1 x 230 V	3 x 230 V	3 x 400 V	Timing belts	Conveyor belts	Habasit® Cleandrive	Round belts	Power transmission	Machine tapes	Joining plate required	Flexproof	Quickmelt	Thermofix	Length [mm]	Width [mm]	Height [mm]	Weight [kg]
AT-60	60	H080690050	AT-60/0		●						●			●	●			●	220	190	85	2	
AT-200	200	H080690190	AT-200/8	550			●				●			●	●			●	385	405	185	12	
AT-200	200	H080690160	AT-200/0			○	○				●			●	●			●	385	405	185	10	
A-600	600	H080690360	A-600/8	750			●				●				●			●	875	445	255	32	
A-600	600	H080690350	A-600/6	750		●					●				●			●	875	445	255	32	

● Recommended ○ Possible

A-2410

Manual kit for die-cutting of Flexproof geometries on thermoplastic belts up to 5 mm thick. A zig-zag pattern tape guides the operator to ensure proper preparation. This is the simplest tool for on-site preparation of conveyor belts.



AF-42

Manual tool for die-cutting of 10x120 Flexproof geometry on thermoplastic belts up to 40 mm wide. Designed for preparing tangential power transmission belts preparation.

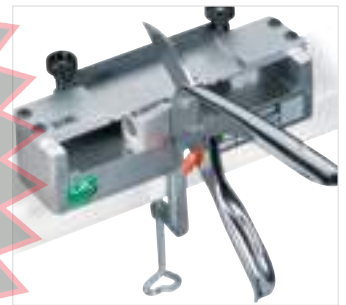
40 mm



AF-102

Manual scissor tool for preparation of 8x30 Flexproof geometry on thermoplastic belts up to 100 mm wide and 2 mm thick. Ideal for machine tapes and spindle tapes.

100 mm



Details				Power supply					Product type					Method			Dimensions							
Product name	Max. belt width	Ordering code	Article name	Power [W]	Manual	1 x 120 V	1 x 230 V	3 x 230 V	3 x 400 V	Timing belts	Conveyor belts	Habasit® Cleandrive	Round belts	Power transmission	Machine tapes	Joining plate required	Flexproof	Quickmelt	Thermofix	Length [mm]	Width [mm]	Height [mm]	Weight [kg]	
A-2410		S080690390	A-2410/0		●						●			●			●							1
AF-42	40	H088000149	AF-42/0		●						○			●			●			445	230	260		8
AF-102	100	H080690060	AF-102/0		●										●		●			200	52	85		2

● Recommended ○ Possible

PQ-01

Quickmelt welding tool, designed for joining round belts. It consists of a W-01 welder and CQ-01 table stand for belt ends positioning.



PQ-02

Quickmelt welding tool, designed for joining round belts. It consists of a W-01 welder and CQ-02 clamping device.



W-01

The W-01 heating welder has been specifically designed for rapid and safe welding of thermoplastic round belts up to a diameter of 15 mm.



PQ-59

Hot-pressing device for joining of thermoplastic belts up to 50 mm wide and 3.6 mm thick. For maximum flexibility, the working temperature can be set via a trimmer control. Specifically designed for machine tapes and spindle tapes.



Details				Power supply				Product type					Method			Dimensions							
Product name	Max. belt width	Ordering code	Article name	Power [W]	Manual	1 x 120 V	1 x 230 V	3 x 230 V	3 x 400 V	Timing belts	Conveyor belts	Habasit® Cleandrive	Round belts	Power transmission	Machine tapes	Joining plate required	Flexproof	Quickmelt	Thermofix	Length [mm]	Width [mm]	Height [mm]	Weight [kg]
PQ-01	15	H088000526	PQ-01/8	80			●						●				●			420	140	120	1
PQ-01	15	H088000525	PQ-01/6	80		●							●				●			420	140	120	1
PQ-02	15	H088000541	PQ-02/8	80			●						●				●			420	140	120	1
PQ-02	15	H088000540	PQ-02/6	80		●							●				●			420	140	120	1
W-01	15	H08N060965	W-01/8	80			●						●				●			250	50	50	1
W-01	15	H088000540	W-01/6	80		●							●				●			250	50	50	1
PQ-59	50	H088000231	PQ-59/8	450			●			○				●	●	○	●			280	70	95	1
PQ-59	50	H088000230	PQ-59/6	450		●				○				●	●	○	●			280	70	95	1

● Recommended ○ Possible

PF-62

Hot-pressing device for Flexproof joining of thermoplastic belts up to 60 mm wide and 5 mm thick. Designed for tangential power transmission belts.



PF-100S

Hot-pressing device for Flexproof joining of thermoplastic belts up to 100 mm wide and 2.5 mm thick.



PF-101

Hot-pressing device for Flexproof and Thermofix joining of thermoplastic belts up to 100 mm wide and 6 mm thick. The external control unit provides full management of the joining cycle parameters (temperature and time) and the cooling fan system.



PF-151TB

Hot-pressing device for joining timing belts up to 152.4 mm wide. The external control unit provides full management of the joining cycle parameters (temperature and time) and the cooling fan system.



Details				Power supply				Product type					Method			Dimensions							
Product name	Max. belt width	Ordering code	Article name	Power [W]	Manual	1 x 120 V	1 x 230 V	3 x 230 V	3 x 400 V	Timing belts	Conveyor belts	Habasit® Cleandrive	Round belts	Power transmission	Machine tapes	Joining plate required	Flexproof	Quickmelt	Thermofix	Length [mm]	Width [mm]	Height [mm]	Weight [kg]
PF-62	60	H088000410	PF-62/8	500			●				●			●	●	●	●			320	176	116	2
PF-62	60	H088000409	PF-62/6	500	●						●			●	●	●	●			320	176	116	2
PF-100S	100	H080690230	PF-100S/8	150			●				●			○	○	●	●			285	102	102	2
PF-100S	100	H080690210	PF-100S/6	150	●						●			○	○	●	●			285	102	102	2
PF-101	100	H080690410	PF-101/8	700			●				●			●	○		●	●		260	190	145	4
PF-101	100	H080690400	PF-101/6	700	●						●			●	○		●	●		260	190	145	4
PF-151TB	152,4	H088000440	PF-151TB/8	2000			●			●						●	●			280	240	110	8
PF-151TB	152,4	H088000439	PF-151TB/6	2000	●					●						●	●			280	240	110	8

● Recommended ○ Possible

PT-50

Hot-pressing device for Thermofix joining of belts up to 50 mm wide and 2 mm thick. It is especially suitable for offline joining of spindle tapes and machine tapes.



PT-55

Hot-pressing device for Thermofix joining of belts up to 50 mm wide and 2.5 mm thick. Thanks to the portable body, it is especially suitable for joining spindle tapes and machine tapes directly on-site.



PT-100

Hot-pressing device for Thermofix offline joining of belts up to 100 mm wide and 6 mm thick.



PT-103

Hot-pressing device for Thermofix joining of belts up to 100 mm wide and 2.5 mm thick. Thanks to the portable body, it is especially suitable for joining power transmission belts directly on-site.



PT-103S

Hot-pressing device for Thermofix joining of belts up to 100 mm wide and 2.5 mm thick. Thanks to the portable body, it is especially suitable for joining of power transmission belts directly on-site. The integrated guide rail permits an easy positioning of belt ends.



PT-300

Hot-pressing device for Thermofix joining of belts up to 300 mm wide and 8 mm thick. The integrated belt clamps permit an easy positioning of belt ends.



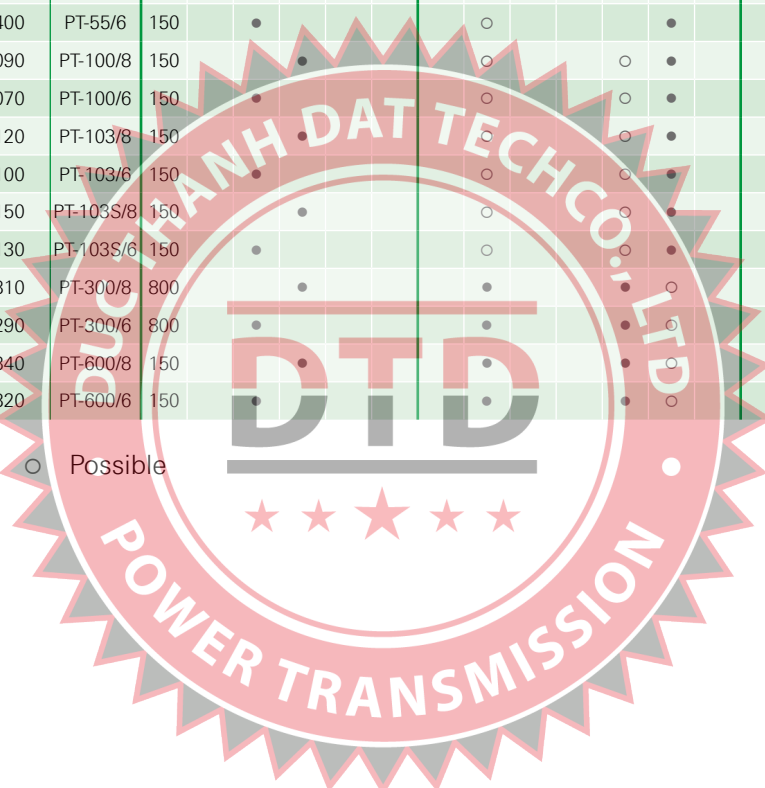
PT-600

Hot-pressing device for Thermofix joining of belts up to 600 mm wide and 8 mm thick. The integrated belt clamps permit easy positioning of belt ends. The compact design allows easy access even in tight spaces.



Details				Power supply					Product type					Method			Dimensions						
Product name	Max. belt width	Ordering code	Article name	Power [W]	Manual	1 x 120 V	1 x 230 V	3 x 230 V	3 x 400 V	Timing belts	Conveyor belts	Habasit® Cleandrive	Round belts	Power transmission	Machine tapes	Joining plate required	Flexproof	Quickmelt	Thermofix	Length [mm]	Width [mm]	Height [mm]	Weight [kg]
PT-50	50	H080691450	PT-50/8	75			●			○					●			●	215	120	84	1	
PT-50	50	H080691430	PT-50/6	75		●				○					●			●	215	120	84	1	
PT-55	50	H080691420	PT-55/8	150			●			○					●			●	280	63	95	1	
PT-55	50	H080691400	PT-55/6	150		●				○					●			●	280	63	95	1	
PT-100	100	H080690090	PT-100/8	150			●			○				○	●			●	285	128	102	2	
PT-100	100	H080690070	PT-100/6	150		●				○				○	●			●	285	128	102	2	
PT-103	100	H080690120	PT-103/8	150			●			○					●			●	289	96	56	1	
PT-103	100	H080690100	PT-103/6	150		●				○					●			●	289	96	56	1	
PT-103S	100	H080690150	PT-103S/8	150			●			○					●			●	300	250	56	1	
PT-103S	100	H080690130	PT-103S/6	150		●				○					●			●	300	250	56	1	
PT-300	300	H080690310	PT-300/8	800			●			○					●			●	420	175	200	12	
PT-300	300	H080690290	PT-300/6	800		●				○					●			●	420	175	200	12	
PT-600	600	H080690340	PT-600/8	150			●			○					●			●	750	160	167	18	
PT-600	600	H080690320	PT-600/6	150		●				○					●			●	750	160	168	18	

● Recommended ○ Possible



The kits provided to join Habasit fabric and monolithic belts consistently deliver outstanding joining quality, high reliability and flexibility.

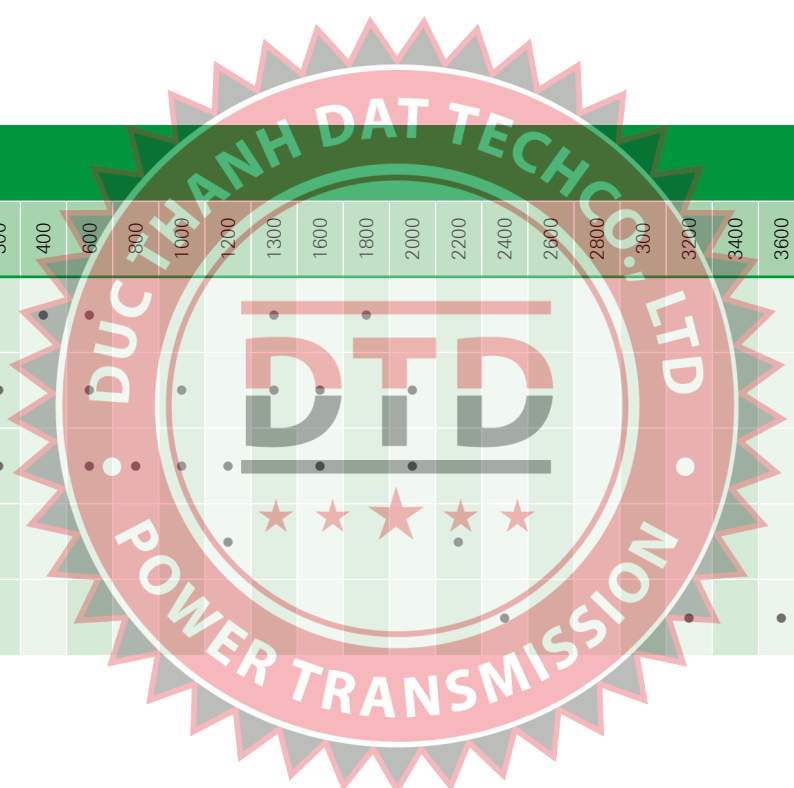
Ease of use is guaranteed by Habasit control units and a constantly updated database of joining parameters, validated by our engineers on Habasit products.

Five different press series are available, to satisfy different needs, such as processable product ranges and joining technologies (Flexproof, Quickmelt and Thermofix).

Each series comprises several press body lengths. They are available as mobile or stationary kits, which normally includes a press body, control unit and accessories.

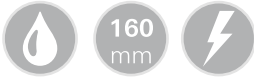


Choose your range																						
Widths [mm]	150	300	400	600	800	1000	1200	1300	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200
PQ-03 Habasit® Cleandrive			•																			☼
PM-09A Multipurpose		•																				☼
PM-09W Multipurpose		•																				☼
PM-HD High duty belts																						☼
PM-04 Extra large																						☼



PM-09W

The PM-09W is a lightweight hot-pressing series designed for joining conveyor belts up to 10 mm thick. Thanks to a 160 mm wide heat equalization plate the press can also be used for 10/120 Flexproof geometry and step-flex (finger over finger) joining.



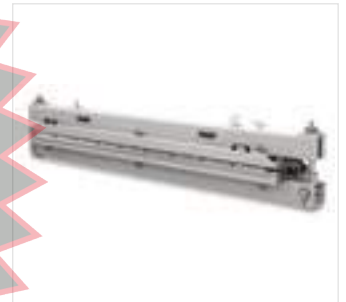
PM-HD

The PM-HD is a heavy duty hot-pressing series designed for joining heavy duty belts up to 12 mm thick. Thanks to a 200 mm wide equalization plate the press can also be used for step-joining of marble belts.



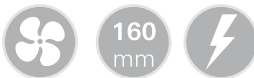
PM-04

The PM-04 is a range of hot-pressing devices, designed for wide belts up to 4200 mm wide and 10 mm thick. Thanks to a 160 mm wide heat equalization plate the press can be used also for 10/120 Flexproof geometry and step-flex (finger over finger) joining.



PM-09A

The PM-09A is a lightweight and air-cooled hot-pressing series designed for joining conveyor belts up to 10 mm thick. Thanks to a 160 mm wide heat equalization plate the press can also be used for 10/120 Flexproof geometry and step-flex (finger over finger) joining.






PQ-03

The PQ-03 heat press series has been specifically developed for joining Habasit® Cleandrive series belts up to 10 mm thick using the Quickmelt method. The press is compact, lightweight and easy to use. It does not need water for cooling and there are no exposed hot parts.



Habasit customized hot-pressing control units are compact and easy to handle. Three different control unit models are available: Pro, Lite, and (only for the PQ-03) Portable. The PMR enables control of all phases of a belt joining cycle, including the water cooling and the subsequent water drain by compressed air. Thanks to multiple connections on the back panel it allows two modes of usage: stationary, together with a fixed cooling unit, or mobile, with a mobile cooling unit and mini-compressor.

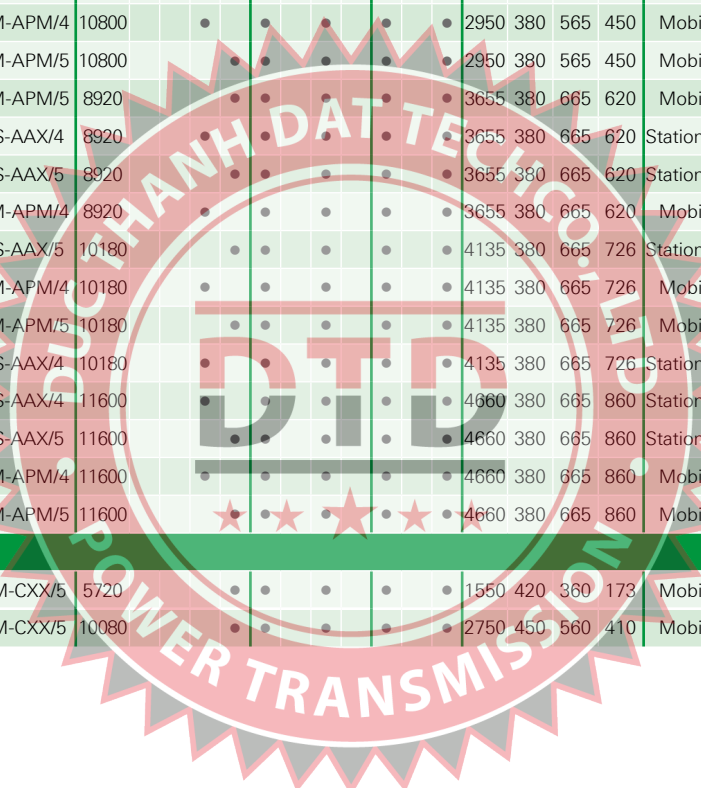
	PMR-06	PMR-07	PFR-101 (for PQ-03 only)
			
Model	Pro	Lite	Portable
Temperature regulation	Yes Both plates Individual control	Yes Both plates Individual control	Yes Both plates Individual control
Time control	Yes	Yes	Yes
Joining parameters	Yes	No	No
Pressure control (Mobile)	By external compressor	By external compressor	No
Cooling control (Mobile)	Auto (PM-04/8)	Auto (PM-04/8)	Yes
Pressure control (Stationary)	Auto (PMC-06)	Manual (PMC-07)	
Cooling control (Stationary)	Auto (PMC-06)	Auto (PMC-07)	

Details			Power supply				Product type				Method			Dimensions				Press details				
Max belt width	Ordering code	P/N	Power [W]	1 x 120 V	1 x 230 V	3 x 230 V	3 x 400 V	Conveyor belts	Habasit® Cleandrive	Power transmission	Machine tapes	Flexproof	Quickmelt	Thermofix	Length [mm]	Width [mm]	Height [mm]	Weight [kg]	Kit version	Control unit	Cooling unit	Press accessories
			PQ-03 Habasit® Cleandrive																			
400	H088000521	PQ-403/8	1000	•				•				•		670	165	230	15	Mobile	PFR-101			
	H088000520	PQ-403/6	1000	•				•				•		670	165	230	15	Mobile	PFR-101			
600	H088000412	PQ-603/8	1200		•			•				•		900	150	200	19	Mobile	PFR-101			
	H088000411	PQ-603/6	1200	•				•				•		900	150	200	19	Mobile	PFR-101			
1300	H088000457	PQ-1303/8	2900					•				•		1690	165	260	62	Mobile	PFR-101			
	H088000456	PQ-1303/6	1600	•				•				•		1690	165	260	62	Mobile	PFR-101			
1800	H088000506	PQ-1803/5	4700					•				•		2220	300	320	89	Mobile	PMR-07/5			
	H088000505	PQ-1803/4	3600					•				•		2220	300	320	89	Mobile	PMR-07/4			
PM-09A air-cooled, multipurpose																						
300	H088000345	PM-309/160A-M-CXM/4	1400		•			•	•	•	•	•	•	790	315	300	30	Mobile	PMR-07/4		MC-05/8	
	H088000346	PM-309/160A-M-CXM/5	1400		•			•	•	•	•	•	•	790	315	300	30	Mobile	PMR-07/5		MC-05/8	
	H088000347	PM-309/160A-M-CXM/8	1400		•			•	•	•	•	•	•	790	315	300	30	Mobile	PMR-07/8		MC-05/8	
600	H088000350	PM-609/160A-M-CXM/8	2600		•			•	•	•	•	•	•	1080	315	300	44	Mobile	PMR-07/8		MC-05/8	
	H088000348	PM-609/160A-M-CXM/4	2600		•			•	•	•	•	•	•	1080	315	300	44	Mobile	PMR-07/4		MC-05/8	
	H088000349	PM-609/160A-M-CXM/5	2600		•			•	•	•	•	•	•	1080	315	300	44	Mobile	PMR-07/5		MC-05/8	
1000	H088000352	PM-1009/160A-M-CXM/5	4000		•			•	•	•	•	•	•	1490	315	300	60	Mobile	PMR-07/5		MC-05/8	
	H088000351	PM-1009/160A-M-CXM/4	4000		•			•	•	•	•	•	•	1490	315	300	60	Mobile	PMR-07/4		MC-05/8	
1350	H088000311	PM-1359/160A-M-CXM/5	5600		•			•	•	•	•	•	•	1850	300	311	90	Mobile	PMR-07/5		MC-05/8	
	H088000310	PM-1359/160A-M-CXM/4	5600		•			•	•	•	•	•	•	1850	300	311	90	Mobile	PMR-07/4		MC-05/8	
1600	H088000247	PM-1609/160A-M-CXM/4	6400		•			•	•	•	•	•	•	2066	300	311	100	Mobile	PMR-07/4		MC-05/8	
	H088000248	PM-1609/160A-M-CXM/5	6400		•			•	•	•	•	•	•	2066	300	311	100	Mobile	PMR-07/5		MC-05/8	
2000	H088000398	PM-2009/160A-M-CXM/4	7200		•			•	•	•	•	•	•	2490	300	400	162	Mobile	PMR-07/4		MC-05/8	
	H088000399	PM-2009/160A-M-CXM/5	7200		•			•	•	•	•	•	•	2490	300	400	162	Mobile	PMR-07/5		MC-05/8	

Details			Power supply				Product type				Method				Dimensions				Press details			
Max belt width	Ordering code	P/N	Power [W]	1 x 120 V	1 x 230 V	3 x 230 V	3 x 400 V	Conveyor belts	Habasit® Cleandrive	Power transmission	Machine tapes	Flexproof	Quickmelt	Thermofix	Length [mm]	Width [mm]	Height [mm]	Weight [kg]	Kit version	Control unit	Cooling unit	Press accessories
PM-09W water-cooled, multipurpose																						
300	H088000260	PM-309/160W-S-AAX/5	1120												675	380	300	31	Stationary	PMR-06/5	PMC-06	
	H088000264	PM-309/160W-M-APM/8	1120												675	380	300	31	Mobile	PMR-06/8	PM-04/8	MC-05/8
	H088000263	PM-309/160W-M-APM/5	1120												675	380	300	31	Mobile	PMR-06/5	PM-04/8	MC-05/8
	H088000261	PM-309/160W-S-AAX/8	1120												675	380	300	31	Stationary	PMR-06/8	PMC-06	
	H088000259	PM-309/160W-S-AAX/4	1120												675	380	300	31	Stationary	PMR-06/4	PMC-06	
	H088000258	PM-309/160W-M-CPM/8	1120												675	380	300	31	Mobile	PMR-07/8	PM-04/8	MC-05/8
	H088000257	PM-309/160W-M-CPM/6	1120												675	380	300	31	Mobile	PMR-07/6	PM-04/8	MC-05/8
	H088000256	PM-309/160W-M-CPM/5	1120												675	380	300	31	Mobile	PMR-07/5	PM-04/8	MC-05/8
	H088000251	PM-309/160W-S-CCX/4	1120												675	380	300	31	Stationary	PMR-07/4	PMC-07	
	H088000254	PM-309/160W-S-CCX/8	1120												675	380	300	31	Stationary	PMR-07/8	PMC-07	
	H088000253	PM-309/160W-S-CCX/6	1120												675	380	300	31	Stationary	PMR-07/6	PMC-07	
	H088000252	PM-309/160W-S-CCX/5	1120												675	380	300	31	Stationary	PMR-07/5	PMC-07	
	H088000255	PM-309/160W-M-CPM/4	1120												675	380	300	31	Mobile	PMR-07/4	PM-04/8	MC-05/8
	H088000262	PM-309/160W-M-APM/4	1120												675	380	300	31	Mobile	PMR-06/4	PM-04/8	MC-05/8
600	H088000274	PM-609/160W-S-AAX/8	2080												925	380	300	46	Stationary	PMR-06/8	PMC-06	
	H088000273	PM-609/160W-S-AAX/5	2080												925	380	300	46	Stationary	PMR-06/5	PMC-06	
	H088000272	PM-609/160W-S-AAX/4	2080												925	380	300	46	Stationary	PMR-06/4	PMC-06	
	H088000271	PM-609/160W-M-CPM/8	2080												925	380	300	46	Mobile	PMR-07/8	PM-04/8	MC-05/8
	H088000270	PM-609/160W-M-CPM/5	2080												925	380	300	46	Mobile	PMR-07/5	PM-04/8	MC-05/8
	H088000269	PM-609/160W-M-CPM/4	2080												925	380	300	46	Mobile	PMR-07/4	PM-04/8	MC-05/8
	H088000268	PM-609/160W-S-CCX/8	2080												925	380	300	46	Stationary	PMR-07/8	PMC-07	
	H088000266	PM-609/160W-S-CCX/4	2080												925	380	300	46	Stationary	PMR-07/4	PMC-07	
	H088000276	PM-609/160W-M-APM/5	2080												925	380	300	46	Mobile	PMR-06/5	PM-04/8	MC-05/8
	H088000277	PM-609/160W-M-APM/8	2080												925	380	300	46	Mobile	PMR-06/8	PM-04/8	MC-05/8
	H088000267	PM-609/160W-S-CCX/5	2080												925	380	300	46	Stationary	PMR-07/5	PMC-07	
800	H088000275	PM-609/160W-M-APM/4	2080												925	380	300	46	Mobile	PMR-06/4	PM-04/8	MC-05/8
	H088000289	PM-809/160W-M-APM/5	2880												1120	380	300	55	Mobile	PMR-06/5	PM-04/8	MC-05/8
	H088000290	PM-809/160W-M-APM/8	2880												1120	380	300	55	Mobile	PMR-06/8	PM-04/8	MC-05/8
	H088000280	PM-809/160W-S-CCX/5	2880												1120	380	300	55	Stationary	PMR-07/5	PMC-07	
	H088000281	PM-809/160W-S-CCX/8	2880												1120	380	300	55	Stationary	PMR-07/8	PMC-07	
	H088000282	PM-809/160W-M-CPM/4	2880												1120	380	300	55	Mobile	PMR-07/4	PM-04/8	MC-05/8
	H088000283	PM-809/160W-M-CPM/5	2880												1120	380	300	55	Mobile	PMR-07/5	PM-04/8	MC-05/8
	H088000284	PM-809/160W-M-CPM/8	2880												1120	380	300	55	Mobile	PMR-07/8	PM-04/8	MC-05/8
	H088000285	PM-809/160W-S-AAX/4	2880												1120	380	300	55	Stationary	PMR-06/4	PMC-06	
	H088000286	PM-809/160W-S-AAX/5	2880												1120	380	300	55	Stationary	PMR-06/5	PMC-06	
	H088000287	PM-809/160W-S-AAX/8	2880												1120	380	300	55	Stationary	PMR-06/8	PMC-06	
H088000288	PM-809/160W-M-APM/4	2880												1120	380	300	55	Mobile	PMR-06/4	PM-04/8	MC-05/8	
H088000279	PM-809/160W-S-CCX/4	2880												1120	380	300	55	Stationary	PMR-07/4	PMC-07		

Details			Power supply				Product type				Method			Dimensions				Press details				
Max belt width	Ordering code	P/N	Power [W]	1 x 120 V	1 x 230 V	3 x 230 V	3 x 400 V	Conveyor belts	Habasit® Cleandrive	Power transmission	Machine tapes	Flexproof	Quickmelt	Thermofix	Length [mm]	Width [mm]	Height [mm]	Weight [kg]	Kit version	Control unit	Cooling unit	Press accessories
			PM-09W water-cooled, multipurpose																			
1000	H088000083	PM-1009/160W-M-APM/4	3360												1350	380	300	69	Mobile	PMR-06/4	PM-04/8	MC-05/8
	H088000173	PM-1009/160W-M-CPM/5	3360												1350	380	300	69	Mobile	PMR-07/5	PM-04/8	MC-05/8
	H088000180	PM-1009/160W-S-CCX/5	3360												1350	380	300	69	Stationary	PMR-07/5	PMC-07	
	H088000137	PM-1009/160W-S-AAX/4	3360												1350	380	300	69	Stationary	PMR-06/4	PMC-06	
	H088000112	PM-1009/160W-S-CCX/8	3360												1350	380	300	69	Stationary	PMR-07/8	PMC-07	
	H088000111	PM-1009/160W-S-AAX/5	3360												1350	380	300	69	Stationary	PMR-06/5	PMC-06	
	H088000110	PM-1009/160W-M-CPM/8	3360												1350	380	300	69	Mobile	PMR-07/8	PM-04/8	MC-05/8
	H088000182	PM-1009/160W-S-AAX/8	3360												1350	380	300	69	Stationary	PMR-06/8	PMC-06	
	H088000321	PM-1009/160W-M-CPM/4	3360												1350	380	300	69	Mobile	PMR-07/4	PM-04/8	MC-05/8
	H088000166	PM-1009/160W-M-APM/8	3360												1350	380	300	69	Mobile	PMR-06/8	PM-04/8	MC-05/8
H088000320	PM-1009/160W-S-CCX/4	3360												1350	380	300	69	Stationary	PMR-07/4	PMC-07		
H088000109	PM-1009/160W-M-APM/5	3360												1350	380	300	69	Mobile	PMR-06/5	PM-04/8	MC-05/8	
1200	H088000187	PM-1209/160W-M-APM/4	4160												1630	400	300	92	Mobile	PMR-06/4	PM-04/8	MC-05/8
	H088000322	PM-1209/160W-M-CPM/4	4160												1630	400	300	92	Mobile	PMR-07/4	PM-04/8	MC-05/8
	H088000233	PM-1209/160W-S-CCX/5	4160												1630	400	300	92	Stationary	PMR-07/5	PMC-07	
	H088000147	PM-1209/160W-M-APM/5	4160												1630	400	300	92	Mobile	PMR-06/5	PM-04/8	MC-05/8
	H088000140	PM-1209/160W-M-CPM/5	4160												1630	400	300	92	Mobile	PMR-07/5	PM-04/8	MC-05/8
	H088000323	PM-1209/160W-S-CCX/4	4160												1630	400	300	92	Stationary	PMR-07/4	PMC-07	
	H088000312	PM-1209/160W-S-AAX/5	4160												1630	400	300	92	Stationary	PMR-06/5	PMC-06	
H088000324	PM-1209/160W-S-AAX/4	4160												1630	400	300	92	Stationary	PMR-06/4	PMC-06		
1600	H088000360	PM-1609/160W-S-AAX/5	5200												1920	380	400	150	Stationary	PMR-06/5	PMC-06	
	H088000361	PM-1609/160W-M-APM/4	5200												1920	380	400	150	Mobile	PMR-06/4	PM-04/8	MC-05/8
	H088000355	PM-1609/160W-S-CCX/4	5200												1920	380	400	150	Stationary	PMR-07/4	PMC-07	
	H088000356	PM-1609/160W-S-CCX/5	5200												1920	380	400	150	Stationary	PMR-07/5	PMC-07	
	H088000357	PM-1609/160W-M-CPM/4	5200												1920	380	400	150	Mobile	PMR-07/4	PM-04/8	MC-05/8
	H088000358	PM-1609/160W-M-CPM/5	5200												1920	380	400	150	Mobile	PMR-07/5	PM-04/8	MC-05/8
	H088000362	PM-1609/160W-M-APM/5	5200												1920	380	400	150	Mobile	PMR-06/5	PM-04/8	MC-05/8
	H088000359	PM-1609/160W-S-AAX/4	5200												1920	380	400	150	Stationary	PMR-06/4	PMC-06	
2000	H088000371	PM-2009/160W-M-APM/5	6400												2320	380	400	174	Mobile	PMR-06/5	PM-04/8	MC-05/8
	H088000365	PM-2009/160W-S-CCX/5	6400												2320	380	400	174	Stationary	PMR-07/5	PMC-07	
	H088000366	PM-2009/160W-M-CPM/4	6400												2320	380	400	174	Mobile	PMR-07/4	PM-04/8	MC-05/8
	H088000367	PM-2009/160W-M-CPM/5	6400												2320	380	400	174	Mobile	PMR-07/5	PM-04/8	MC-05/8
	H088000368	PM-2009/160W-S-AAX/4	6400												2320	380	400	174	Stationary	PMR-06/4	PMC-06	
	H088000369	PM-2009/160W-S-AAX/5	6400												2320	380	400	174	Stationary	PMR-06/5	PMC-06	
	H088000370	PM-2009/160W-M-APM/4	6400												2320	380	400	174	Mobile	PMR-06/4	PM-04/8	MC-05/8
	H088000364	PM-2009/160W-S-CCX/4	6400												2320	380	400	174	Stationary	PMR-07/4	PMC-07	

Details			Power supply				Product type				Method			Dimensions				Press details			
Max belt width	Ordering code	P/N	Power [W]	Power supply			Conveyor belts	Habasit® Cleandrive	Power transmission	Machine tapes	Flexproof	Quickmelt	Thermofix	Length [mm]	Width [mm]	Height [mm]	Weight [kg]	Kit version	Control unit	Cooling unit	Press accessories
				1 x 120 V	1 x 230 V	3 x 230 V															
PM-04 wide belts, multipurpose																					
2400	H080691141	PM-2404/160W-S-AAX/4	10800		•		•	•	•	•	•	•	2950	380	565	450	Stationary	PMR-06/4	PMC-06		
	H080691142	PM-2404/160W-S-AAX/5	10800			•	•	•	•	•	•	•	2950	380	565	450	Stationary	PMR-06/5	PMC-06		
	H080691143	PM-2404/160W-M-APM/4	10800		•		•	•	•	•	•	•	2950	380	565	450	Mobile	PMR-06/4	PM-04/8	MC-05/8	
	H080691144	PM-2404/160W-M-APM/5	10800			•	•	•	•	•	•	•	2950	380	565	450	Mobile	PMR-06/5	PM-04/8	MC-05/8	
3200	H080691154	PM-3204/160W-M-APM/5	8920		•		•	•	•	•	•	•	3655	380	665	620	Mobile	PMR-06/5	PM-04/8	MC-05/8	
	H080691151	PM-3204/160W-S-AAX/4	8920			•	•	•	•	•	•	•	3655	380	665	620	Stationary	PMR-06/4	PMC-06		
	H080691152	PM-3204/160W-S-AAX/5	8920			•	•	•	•	•	•	•	3655	380	665	620	Stationary	PMR-06/5	PMC-06		
	H080691153	PM-3204/160W-M-APM/4	8920		•		•	•	•	•	•	•	3655	380	665	620	Mobile	PMR-06/4	PM-04/8	MC-05/8	
3600	H080691157	PM-3604/160W-S-AAX/5	10180			•	•	•	•	•	•	•	4135	380	665	726	Stationary	PMR-06/5	PMC-06		
	H080691158	PM-3604/160W-M-APM/4	10180		•		•	•	•	•	•	•	4135	380	665	726	Mobile	PMR-06/4	PM-04/8	MC-05/8	
	H080691159	PM-3604/160W-M-APM/5	10180			•	•	•	•	•	•	•	4135	380	665	726	Mobile	PMR-06/5	PM-04/8	MC-05/8	
	H080691156	PM-3604/160W-S-AAX/4	10180		•		•	•	•	•	•	•	4135	380	665	726	Stationary	PMR-06/4	PMC-06		
4200	H080691161	PM-4204/160W-S-AAX/4	11600			•	•	•	•	•	•	•	4660	380	665	860	Stationary	PMR-06/4	PMC-06		
	H080691162	PM-4204/160W-S-AAX/5	11600			•	•	•	•	•	•	•	4660	380	665	860	Stationary	PMR-06/5	PMC-06		
	H080691163	PM-4204/160W-M-APM/4	11600		•		•	•	•	•	•	•	4660	380	665	860	Mobile	PMR-06/4	PM-04/8	MC-05/8	
	H080691164	PM-4204/160W-M-APM/5	11600			•	•	•	•	•	•	•	4660	380	665	860	Mobile	PMR-06/5	PM-04/8	MC-05/8	
PM-HD high duty																					
1200	H088000503	PM-1201/200W-M-CXX/5	5720			•	•	•	•	•	•	•	1550	420	360	173	Mobile	PMR-07/5			
2200	H088000504	PM-2201/200W-M-CXX/5	10080			•	•	•	•	•	•	•	2750	450	560	410	Mobile	PMR-07/5			






When using hot-pressing tools, in order to properly position the belt ends and obtain a perfect joining result, specific guide rails have been designed for our PQ-59, PF-62 and PF-100S devices. A large choice of fixed-width guide rails is available, and if you are looking for high flexibility (or minimal on site setup) adjustable versions are also available.



Fixed width

Adjustable width

	Guide rails for PQ-59	Guide rails for PF-100	Guide rails for PF-62
			
Width [mm]	Ordering code		
6	H080672006		
8	H080672008		
10	H080672010		
11	H080672011		
12	H080672012		
13	H080672013		
14	H080672014		
15	H080672015		
16	H080672016		
18	H080672018		
20	H080672020		
22	H080672022		
25	H080672025		
30	H080672030		
35	H080672035		
40	H080672040		
42	H080672226		
50	H080672050		
55	H080672225		
60	H080672224		
75	H080672223		
80	H080672222		
90	H080672221		
100	H080672220		
*	H080672201		
Width [inch]	Ordering code		
1 1/2"	H080672106		
**	H080672211		

* 25, 30, 35, 38, 40, 45, 50, 60

** 1", 1 1/4", 1 3/8", 1 1/2", 1 5/8", 1 3/4", 2" 2 1/4"

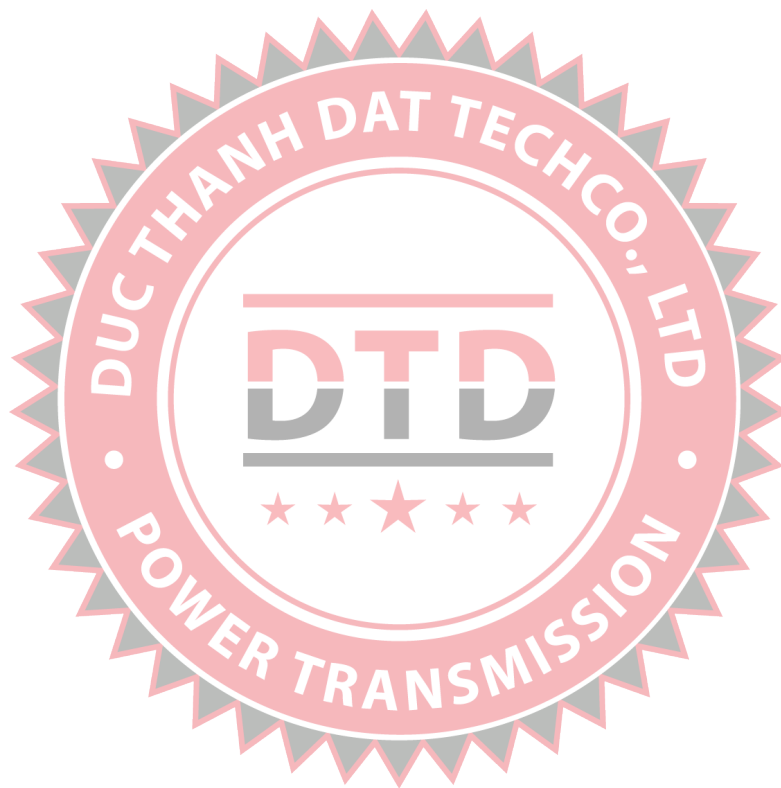
When HabaSYNC® timing belts need to be joined, Habasit joining plates provide outstanding results and smooth pulley engagement. Thanks to a special micro-coating, Habasit joining plates have excellent anti-sticking properties. A huge variety of pitch-width alternatives is available to cover every situation, including both metric and imperial standard pitches.

Metric pitch						
Width [mm]	Ordering code	Product name	Ordering code	Product name	Ordering code	Product name
	T5		T10		T20	
10	H088000105	CJ-T5-10-03				
16	H088000002	CJ-T5-16-03	H088000010	CJ-T10-16-03	H088000018	CJ-T20-16-03
25	H088000003	CJ-T5-25-03	H088000011	CJ-T10-25-03	H088000019	CJ-T20-25-03
32	H088000004	CJ-T5-32-03	H088000012	CJ-T10-32-03	H088000020	CJ-T20-32-03
50	H088000005	CJ-T5-50-03	H088000013	CJ-T10-50-03	H088000021	CJ-T20-50-03
75	H088000006	CJ-T5-75-03	H088000014	CJ-T10-75-03	H088000022	CJ-T20-75-03
100	H088000007	CJ-T5-100-03	H088000015	CJ-T10-100-03	H088000023	CJ-T20-100-03
125	H088000008	CJ-T5-125-03	H088000016	CJ-T10-125-03	H088000024	CJ-T20-125-03
150	H088000009	CJ-T5-150-03	H088000017	CJ-T10-150-03	H088000025	CJ-T20-150-03

Metric pitch						
Width [mm]	Ordering code	Product name	Ordering code	Product name	Ordering code	Product name
	AT5		AT10		AT20	
16	H088000026	CJ-AT5-16-03	H088000034	CJ-AT10-16-03	H088000042	CJ-AT20-16-03
25	H088000027	CJ-AT5-25-03	H088000035	CJ-AT10-25-03	H088000043	CJ-AT20-25-03
32	H088000028	CJ-AT5-32-03	H088000036	CJ-AT10-32-03	H088000044	CJ-AT20-32-03
50	H088000029	CJ-AT5-50-03	H088000037	CJ-AT10-50-03	H088000045	CJ-AT20-50-03
75	H088000030	CJ-AT5-75-03	H088000038	CJ-AT10-75-03	H088000046	CJ-AT20-75-03
100	H088000031	CJ-AT5-100-03	H088000039	CJ-AT10-100-03	H088000047	CJ-AT20-100-03
125	H088000032	CJ-AT5-125-03	H088000040	CJ-AT10-125-03	H088000048	CJ-AT20-125-03
150	H088000033	CJ-AT5-150-03	H088000041	CJ-AT10-150-03	H088000049	CJ-AT20-150-03

Metric pitch								
Width [mm]	Ordering code	Product name	Ordering code	Product name	Ordering code	Product name	Ordering code	Product name
	5M		8M		14M		RPP8	
10	H088000124	CJ-HTD5-10-03	H088000084	CJ-HTD8-10-03	H088000094	CJ-HTD14-10-03		
15	H088000125	CJ-HTD5-15-03	H088000085	CJ-HTD8-15-03	H088000095	CJ-HTD14-15-03		
20	H088000174	CJ-HTD5-20-03	H088000086	CJ-HTD8-20-03	H088000096	CJ-HTD14-20-03	H08D010067	CJ-RPP8-20-03
25	H088000126	CJ-HTD5-25-03	H088000087	CJ-HTD8-25-03	H088000097	CJ-HTD14-25-03		
30	H088000175	CJ-HTD5-30-03	H088000088	CJ-HTD8-30-03	H088000098	CJ-HTD14-30-03		
40	H088000176	CJ-HTD5-40-03	H088000089	CJ-HTD8-40-03	H088000099	CJ-HTD14-40-03		
50	H088000127	CJ-HTD5-50-03	H088000090	CJ-HTD8-50-03	H088000100	CJ-HTD14-50-03	H08D010065	CJ-RPP8-50-03
55					H088000122	CJ-HTD14-55-03		
85			H088000091	CJ-HTD8-85-03	H088000101	CJ-HTD14-85-03	H08D010063	CJ-RPP8-85-03
100	H088000178	CJ-HTD5-100-03	H088000092	CJ-HTD8-100-03	H088000102	CJ-HTD14-100-03	H08D010061	CJ-RPP8-100-03
115					H088000123	CJ-HTD14-115-03		
150	H088000179	CJ-HTD5-150-03	H088000093	CJ-HTD8-150-03	H088000103	CJ-HTD14-150-03	H08D010059	CJ-RPP8-150-03

Imperial pitch								
Width [inch]	Ordering code	Product name	Ordering code	Product name	Ordering code	Product name	Ordering code	Product name
	XL		L		H		XH	
0.5	H088000107	CJ-XL-050-03	H088000108	CJ-L-050-03	H088000106	CJ-H-050-03		
0.75	H088000074	CJ-XL-075-03	H088000076	CJ-L-075-03	H088000078	CJ-H-075-03	H088000080	CJ-XH-075-03
1	H088000050	CJ-XL-100-03	H088000056	CJ-L-100-03	H088000062	CJ-H-100-03	H088000068	CJ-XH-100-03
1.5	H088000075	CJ-XL-150-03	H088000077	CJ-L-150-03	H088000079	CJ-H-150-03	H088000081	CJ-XH-150-03
2	H088000005	CJ-XL-200-03	H088000057	CJ-L-200-03	H088000063	CJ-H-200-03	H088000069	CJ-XH-200-03
3	H088000052	CJ-XL-300-03	H088000058	CJ-L-300-03	H088000064	CJ-H-300-03	H088000070	CJ-XH-300-03
4	H088000053	CJ-XL-400-03	H088000059	CJ-L-400-03	H088000065	CJ-H-400-03	H088000071	CJ-XH-400-03
5	H088000054	CJ-XL-500-03	H088000060	CJ-L-500-03	H088000066	CJ-H-500-03	H088000072	CJ-XH-500-03
6	H088000055	CJ-XL-600-03	H088000061	CJ-L-600-03	H088000067	CJ-H-600-03	H088000073	CJ-XH-600-03



Customers first

Your success is our goal. That is why we don't just offer products; we provide solutions. As committed partners to our customers, we are dedicated to sharing our knowledge and providing full support.

Since our founding in 1946, Habasit has been finding ways to meet customer-specific needs in every application. This is what differentiates us as the #1 worldwide belting provider in the industry today.



Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest level of support, together with top-quality products that have led the global market for decades.



Belt selection and calculation assistance

We are always glad to help you select the most suitable belt for any application for your convenience. We now also provide the free online tool 'SeleCalc' which allows you to easily make selections and calculations yourself. Simply register online at selecalc.habasit.com.



Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.



Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.



Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. This includes proper procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location.



Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customers' sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.



Committed to innovation

Because our customers' belting challenges and needs are always changing, we consistently invest a substantial amount of labor and resources into the research and development of new products and solutions.

Certified for quality

We deliver the highest quality standards not only in our products and solutions, but also in our employees' daily work processes. Habasit AG is certified according to ISO 9001:2015.



Worldwide leading product range

Habasit offers the largest selection of belting, conveying, processing and complementary products in the industry. Our response to any request is nothing less than a specific, tailor-made solution.



HabaFLOW®
Fabric-based conveyor and processing belts



HabasitLINK®
Plastic modular belts



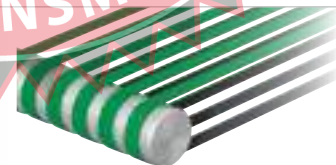
HabaDRIVE®
Power transmission belts



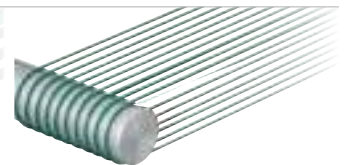
HabaSYNC®
Timing belts



HabaCHAIN®
Chains (slat and conveyor chains)



Machine tapes



Round belts



Seamless belts



HabiPLAST
Profiles, Guides, Wear strips



Accessories
(sprockets, flights, welding profiles, etc.)



Fabrication tools
(joining, cutting & preparing devices)

Australia

Habasit Australia Pty Ltd.
Silverwater, Sydney
Phone: +61 1300 945 455
www.habasit.com.au

Austria

Habasit GmbH, Wiener Neudorf
Phone: +43 1 690 66
www.habasit.at

Belgium & Luxembourg

Habasit Belgium N.V., Zaventem
Phone: +32 27 250 430
www.habasit.be | habasit.lu

Brazil

Habasit do Brasil, Barueri - SP
Phone: +55 11 4789 9022
www.habasit.com.br

Canada

Habasit Canada Ltd., Oakville
Phone: +1 905 827 41 31
www.habasit.ca

China

Habasit East Asia Ltd.
Fotan, Shatin, N.T., Hong Kong
Phone: +852 2145 0150
www.habasit.com.hk

Habasit (Shanghai) Co. Ltd.
Shanghai
Phone: +8621 5488 1218
www.habasit.com.cn

France

Habasit France SAS, Mulhouse
Phone: +33 3 89 33 89 03
www.habasit.fr

Germany

Habasit GmbH, Eppertshausen
Phone: +49 6071 969 0
www.habasit.de

India

Habasit India, Coimbatore
Phone: +91 422 666 78 00
www.habasit.in

Italy

Habasit Italiana SpA
Customer Care: 0438 911333
For int. calls: +39 0438 911444
www.habasit.it

Japan

Habasit Nippon Co., Ltd., Tokyo
Phone: +81 120 07 6339
www.habasit.co.jp

Korea (Republic of)

Habasit Korea Ltd., Seongnam
Phone: +82 31 737 9370
www.habasit.co.kr

Mexico

Habasit Rocua, Zapopan
Phone: +52 33 3824 2358
www.habasitrocua.mx

Netherlands

Habasit Netherlands BV, Nijkerk
Phone: +31 332 472 030
www.habasit.nl

New Zealand

Habasit New Zealand Pty Ltd.
Auckland
Phone: 0800 000 070
www.habasit.co.nz

Nordic countries

Habasit AB, Hindås, Sweden
Phone: +46 301 226 00
www.habasit.se

Poland

Habasit Polska Sp. z o.o.
Dąbrowa Górnicza
Phone: +48 32 639 02 40
www.habasit.pl

Russia

OOO Habasit Ltd.
Moscow Region
Phone: +7 495 966 1566
www.habasit.ru

Singapore

Habasit Far East Pte Ltd.
Singapore
Phone: +65 6862 5566
www.habasit.com.sg

South Africa

Habasit South Africa Pty Ltd.
Gauteng
Phone: +27 10 001 6770
www.habasit.co.za

Spain

Habasit Hispánica S.A.
Barberá del Vallés
Phone: +34 937 191 912
www.habasit.es

Switzerland

Habasit GmbH, Reinach
Phone: +41 61 577 51 00
www.habasit.ch

Taiwan

Habasit (Taiwan) Ltd.
New Taipei City
Phone: +886 2 2267 0538
www.habasit.com.tw

Turkey

Habasit Kayis San.
Ve Tic. Ltd. Sti., Istanbul
Phone: +90 444 70 43
www.habasit.com.tr

Ukraine

Habasit Ukraine LLC., Kyiv
Phone: +38 044 290 88 99
www.habasit.ua

United Kingdom & Ireland

Habasit UK Ltd., Elland
Phone: +44 333 207 6570
www.habasit.co.uk

USA

Habasit America
Suwanee, Georgia
Phone: +1 800 458 6431
www.habasitamerica.com

Habasit International AG

Römerstrasse 1
CH-4153 Reinach, Switzerland
Phone +41 61 715 15 15
Fax +41 61 715 15 55
www.habasit.com

Registered trademarks
Copyright Habasit International AG
Subject to alterations
4005BRO.TOL-en1117ITA

Save Energy and Costs with Power Transmission Belts

With energy costs increasing continuously, Habasit has the right solutions for energy and cost savings.

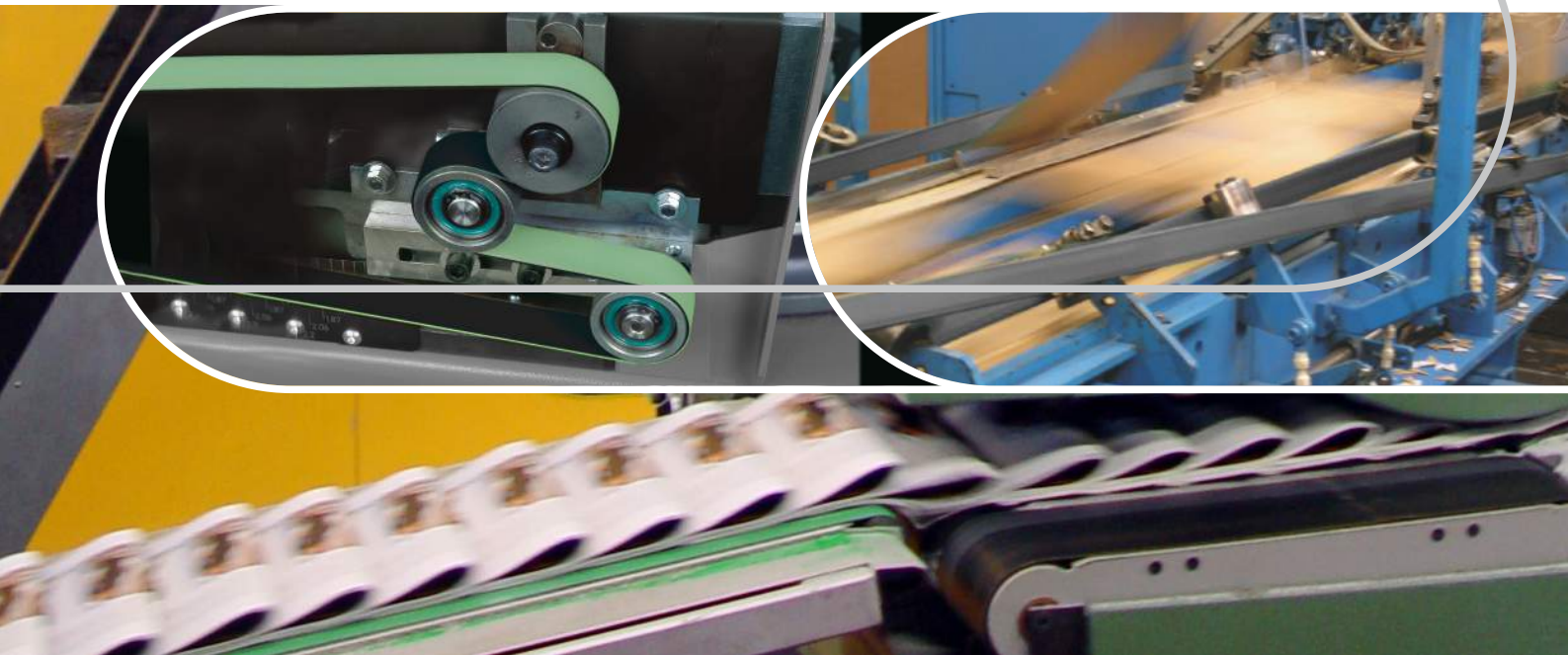
Our belts and tapes offer:



- High efficiency
- High machine performance
- Low energy consumption
- Low costs



4% - 6% energy and cost savings



Outstanding benefits: TC and TF power transmission belts

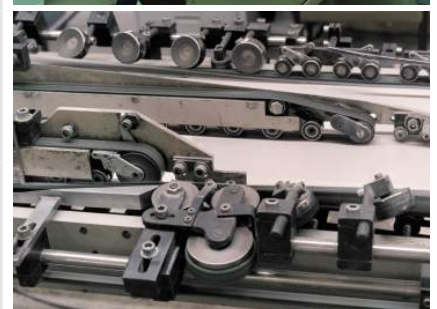
Developed for excellence

Habasit has developed its unique TC and TF belt ranges based on experience, ongoing research, close contacts with the industry, and long-term partnerships with leading machine manufacturers.

TC power transmission belts: The high-efficiency power transmission belts with a **polyester** traction layer, which provide accurate machine speed and perfect quality of machine output.

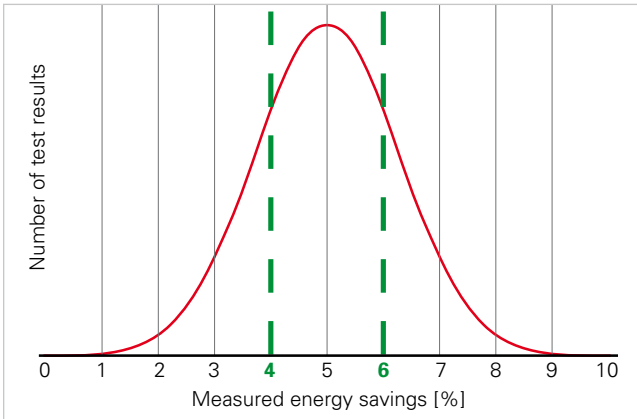
TF power transmission belts: The high-efficiency power transmission belts with an **aramide** traction layer are perfectly suitable for very long belts, and shortest take-up combined with accurate machine speed and perfect quality of output.

Features	TC	TF	Benefits
<ul style="list-style-type: none"> High efficiency 	●	●	<ul style="list-style-type: none"> → Energy and cost savings → Energy consumption reduced by 4% – 6% → Economical → Reduced operating costs
<ul style="list-style-type: none"> Adhesive-free joining method 	●	●	<ul style="list-style-type: none"> → Simple and fast joining → Easy handling (no adhesives) → Minimum equipment required → Short machine downtimes → Reduced operating costs
<ul style="list-style-type: none"> Reliable and homogeneous joining quality 	●	●	<ul style="list-style-type: none"> → High machine speeds → No vibration → Consistent quality of produced goods
<ul style="list-style-type: none"> TC range: high elastic modulus 	●	●	<ul style="list-style-type: none"> → High accuracy of speed → Consistent quality of produced goods
<ul style="list-style-type: none"> TF range: top-grade elastic modulus 		●	<ul style="list-style-type: none"> → Highest accuracy of speed even with very long belts
<ul style="list-style-type: none"> Optimized design 	●	●	<ul style="list-style-type: none"> → Low noise emissions



For technical details or further information, please contact your local Habasit representative:
www.habasit.com

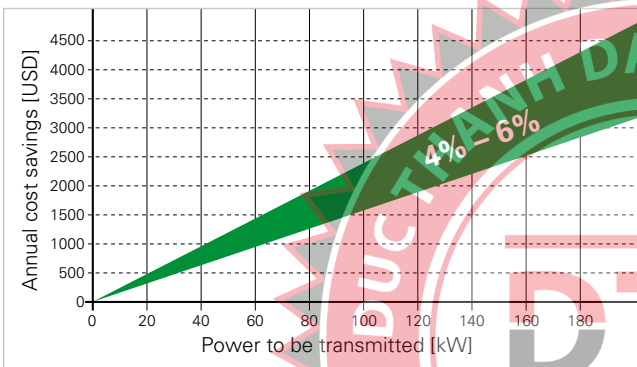
TC and TF flat belt drives compared with V-belt drives



Join the energy-saving campaign

For peripheral equipment and plant infrastructure (e.g. fans, compressors, vacuum pumps, blowers, etc.)

Habasit provides optimized driving belt solutions. Conversion campaigns at over 2,000 sites have demonstrated that switching from V-belts to Habasit's flat belts reduces energy consumption by **4% to 6%**.



Check your approximate energy cost-saving potential

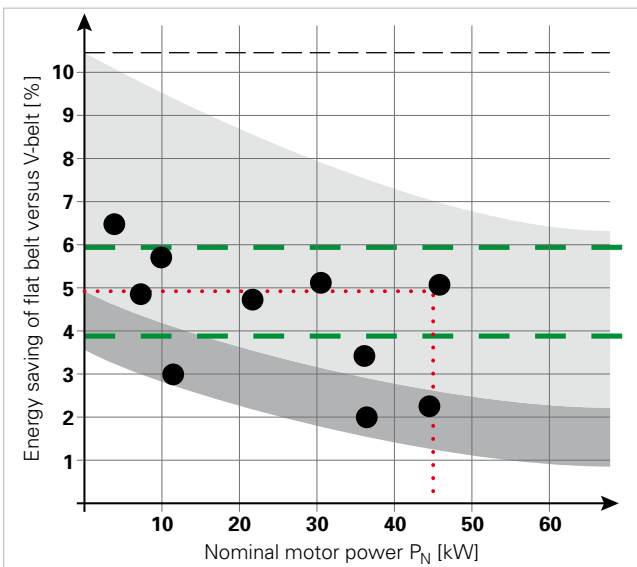
Assumption:
12 h/day
330 days/year
0.10 USD/kWh

**4% - 6%
energy
and cost
savings**



Energy savings on fan drives

The energy-saving properties of the flat belt drive compared to the V-belt drive have been proved during practical tests.



● The illustration indicates the saved energy as a percentage, depending the nominal power of the installed motor.

- Partial load range
- Rated load (full load) range

Example (red dotted line):

Energy saving of a fan drive equipped with flat belts on a 45 kW motor:

- at rated load (full load) about 2%
- at partial load about 5%

As electric motors usually work at partial load, the energy-saving potential of a flat belt drive is considerable.

Average: **4% to 6% energy savings.**

Austria

Habasit GmbH, Wien
Phone: +43 1 690 66
www.habasit.at

Belgium

Habasit Belgium N.V., Zaventem
Phone: +32 27 250 430
www.habasit.be

Canada

Habasit Canada Ltd., Oakville
Phone: +1 905 827 41 31
www.habasit.ca

China

Habasit East Asia Ltd., Hong Kong
Phone: +85 221 450 150
www.habasit.com.hk

Habasit (Shanghai) Co., Ltd.
Shanghai
Phone: +8621 5488 1228
Phone: +8621 5488 1218
www.habasit.com.hk

France

Habasit France S.A.S., Mulhouse
Phone: +33 389 338 903
www.habasit.fr

Germany

Habasit GmbH
Eppertshausen
Phone: +49 6071 969 0
www.habasit.de

India

Habasit-lakoka Pvt. Ltd., Coimbatore
Phone: +91 422 262 78 79
www.habasitlakoka.com

Italy

Habasit Italiana SpA
Customer Care:
Phone: 199 199 333
For int. calls: +39 0438 911 444
www.habasit.it

Japan

Habasit Nippon Co. Ltd., Yokohama
Phone: +81 454 760 371
www.habasit.co.jp

Netherlands

Habasit Netherlands BV, Nijkerk
Phone: +31 332 472 030
www.habasit.nl

New Zealand

Habasit Australasia Ltd., Hornby
Phone: +64 3348 5600
www.habasit.co.nz

Norway

Habasit Norge A/S, Oslo
Phone: +47 815 58 458
www.habasit.no

Poland

Habasit Polska Sp. z o.o.,
Dąbrowa Górnicza,
Phone: +48 32639 02 40
www.habasit.pl

Russia

OOO Habasit Ltd., St. Petersburg
Phone: +7 812 600 40 80
www.habasit.ru

Singapore

Habasit Far East Pte. Ltd., Singapore
Phone: +65 636 255 66
www.habasit.com.sg

Spain

Habasit Hispanica S.A.,
Barberà del Vallès
Phone: +34 937 191 912
www.habasit.es

Sweden

Habasit AB, Hindas
Phone: +46 30 122 600
www.habasit.se

Switzerland

Habasit GmbH, Reinach
Phone: +41 61 577 51 00
www.habasit.ch

Taiwan

Habasit Rossi (Taiwan) Ltd.
Taipei Hsien
Phone: +886 2 2267 0538
www.habasit.com.tw

Turkey

Habasit Kayis San. Ve Tic. Ltd. Sti.
Yenibosna - Bahcelievler - Istanbul
Phone: +90 212 654 94 04
www.habasit.com.tr

Ukraine

Habasit Ukraina, Vinnica
Phone: +38 0432 58 47 35
www.habasit.ua

United Kingdom and Ireland

Habasit Rossi (UK) Ltd., Silsden
Phone: +44 844 835 9555
www.habasitrossi.co.uk

USA

Habasit America
Conveyor belts, power
transmission belts, gearmotors
Suwanee, Georgia
Phone: +1 800 458 6431
www.habasitamerica.com

Habasit America
Seamless belts, timing belts
Middletown, Connecticut
Phone: +1 860 632 2211
www.seamlessbelts.com
www.habasync.com

Rossi is one of Europe's largest manufacturers of gear reducers, gearmotors, inverters, standard and brakemotors, and is a member of the Habasit Group.

Rossi S.p.A.
Via Emilia Ovest 915/A
41123 Modena – Italy
Phone: +39 059 33 02 88
www.rossi-group.com
info@rossi-group.com

Product liability, application considerations

If the proper selection and application of Habasit products are not recommended by an authorized Habasit sales specialist, the selection and application of Habasit products, including the related area of product safety, are the responsibility of the customer. All indications / information are recommendations and believed to be reliable, but no representations, guarantees, or warranties of any kind are made as to their accuracy or suitability for particular applications. The data provided herein are based on laboratory work with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experiences can lead to modifications and changes within a short time without prior notice.

BECAUSE CONDITIONS OF USE ARE OUTSIDE OF HABASIT'S AND ITS AFFILIATED COMPANIES' CONTROL, WE CANNOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS MENTIONED HEREIN. THIS ALSO APPLIES TO PROCESS RESULTS / OUTPUT / MANUFACTURING GOODS AS WELL AS TO POSSIBLE DEFECTS, DAMAGES, CONSEQUENTIAL DAMAGES, AND FURTHER-REACHING CONSEQUENCES.

**Headquarters**

Habasit AG
CH-4153 Reinach-Basel
Phone +41 61 715 15 15
Fax +41 61 715 15 55
E-mail info@habasit.com
www.habasit.com

Copyright Habasit AG
Subject to alterations
Printed in Switzerland
Publication data:
4312FLY.PTB-en0112HOR

Textile Industry Habasit Power Transmission and Conveyor Belts for Yarn Processing

Habasit – Solutions in motion



Innovation is a key word at Habasit

Yarn manufacturing requires a wide range of power transmission belts, spindle tapes and conveyor belts. Habasit has developed an extensive variety of solutions that allow customers to choose the best product for their application. Special focus of all developments is on increased service life, higher reliability, reduced energy consumption and improved price/value ratio.

Habasit works closely with the leading machine manufacturers and end-user groups to ensure customer oriented product and service developments, to ensure high quality and fast time to market.

An example of this are the new TC and TCF thermoplastic power transmission belts with polyester (PET) fabric as traction layer.

More than 50 years of experience

With a comprehensive global network, Habasit is able to respond to any request that you may have with nothing less than an outstanding belting solution of highest quality, tailored to your specific needs.

Focus on yarn processing

Habasit is the leading belt manufacturer world wide offering a complete product range for all applications in the short and long staple as well as in the man made fibre industry. From bale opening to winding and twisting.

Contents

Introduction	2-3
Process overview: Yarn manufacturing/blow room	4-5
Process overview: Ring spinning for carded yarn	6-7
Process overview: Ring spinning for combed yarn	8-9
Process overview: OE rotor spinning	10-11
Variety of power transmission belts	12
Variety of spindle tapes	13
Textile application table/belts selection guide/technical key data	14-15
Features and benefits	16-18
Services	19-21
The Habasit Solution	23



Polyester power transmission belts

TC-tangential- and flat belts combine the benefits of Polyamide and Aramid belts such as high reliability, long service life with excellent damping properties. They are suitable for high speed machines and can cope very well with small pulley diameters and reversed bendings.

Aramid power transmission belts

TF-tangential- and flat belts are the best solution for compact driving configurations. The TF belts provide maximum power transmission efficiency and minimum spindle rpm deviation due to the high modulus of elasticity of the Aramid traction fabric.

Polyamide power transmission belts

S-, F-, and A-Polyamide tangential- and flat belts are the market leader and known for high reliability and long service life due to the high stretched and robust Polyamide traction layer.

Polyester spindle tapes

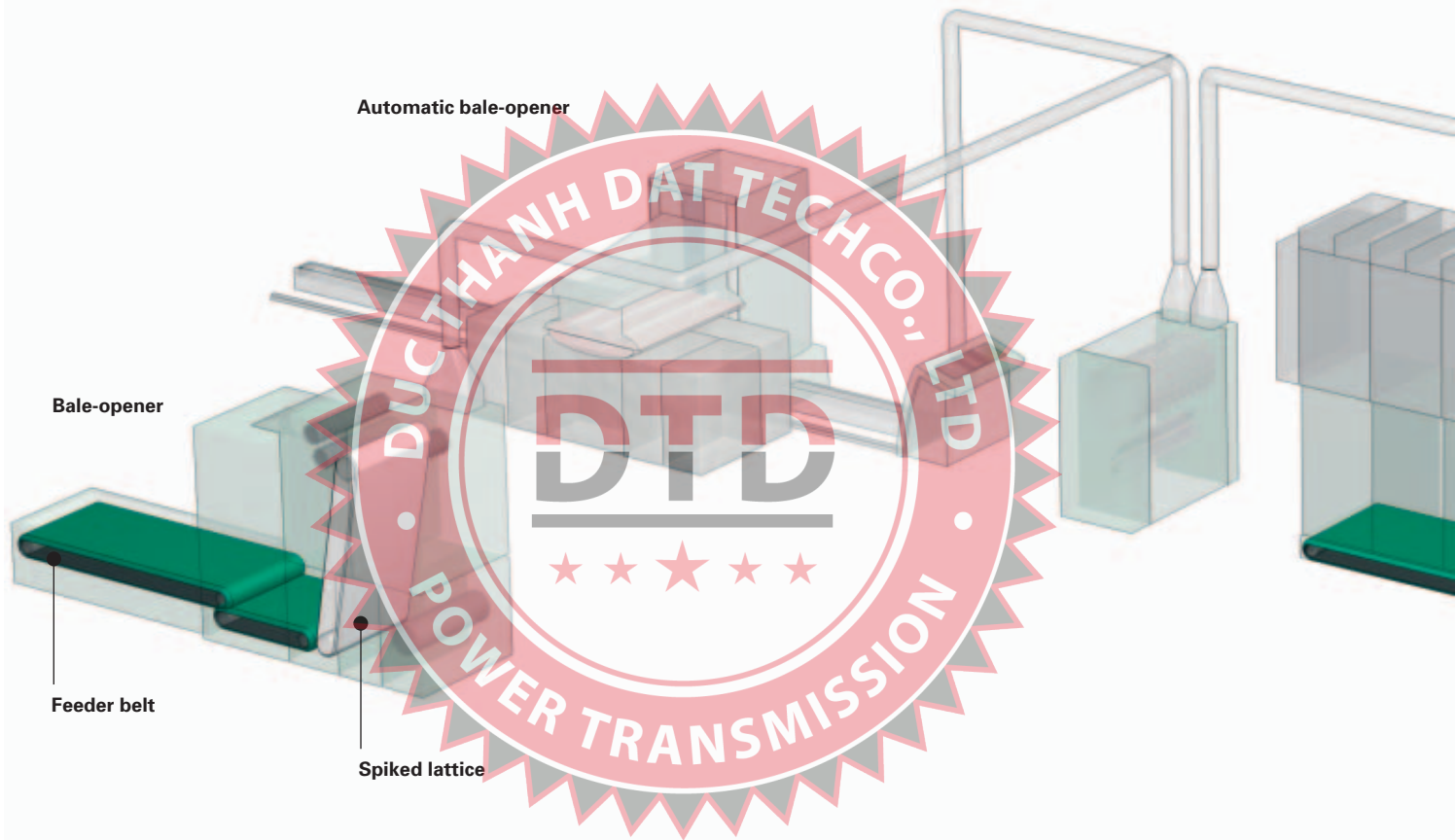
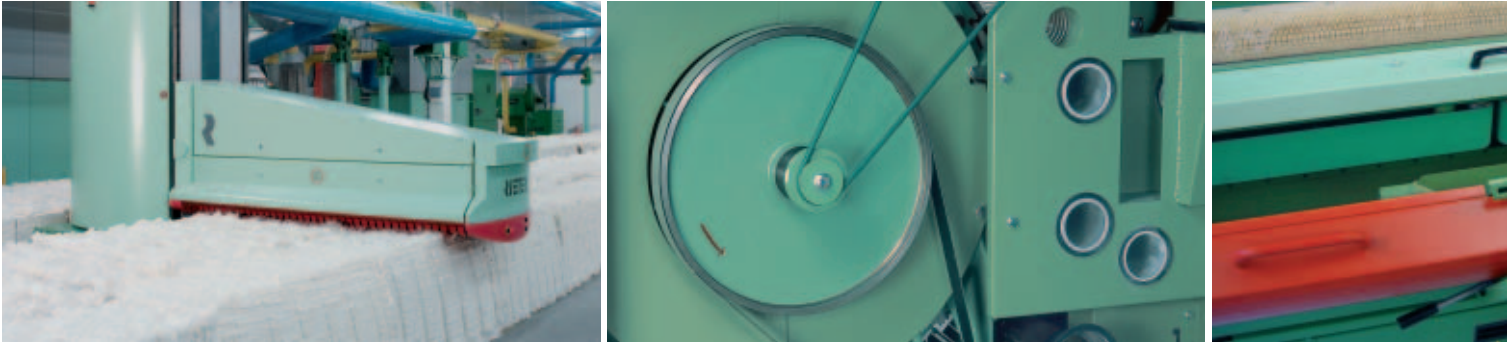
W-Polyester spindle tapes are suitable for ring spinning frames with spindle speeds above 20,000 rpm because of the knocking free and flexible Flexproof joining system. There is no disturbing fiber fly accumulation due to the permanently antistatic properties and the impregnated friction covers.

Polyamide spindle tapes

Market leading Habasit **TS- and HS-spindle tapes** were already setting the standards for spindle tapes decades ago and are highly appreciated by our customers around the world.



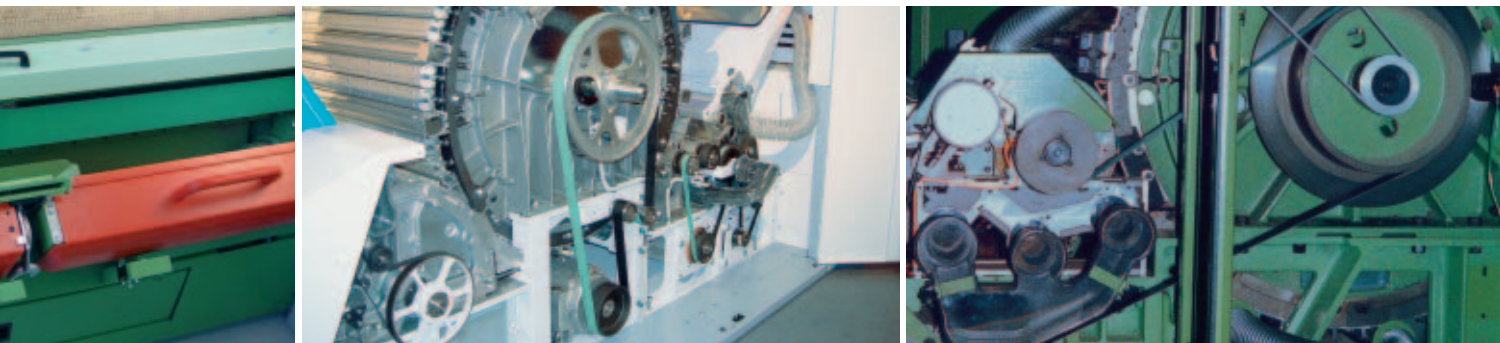
Process overview: Yarn manufacturing / blow room



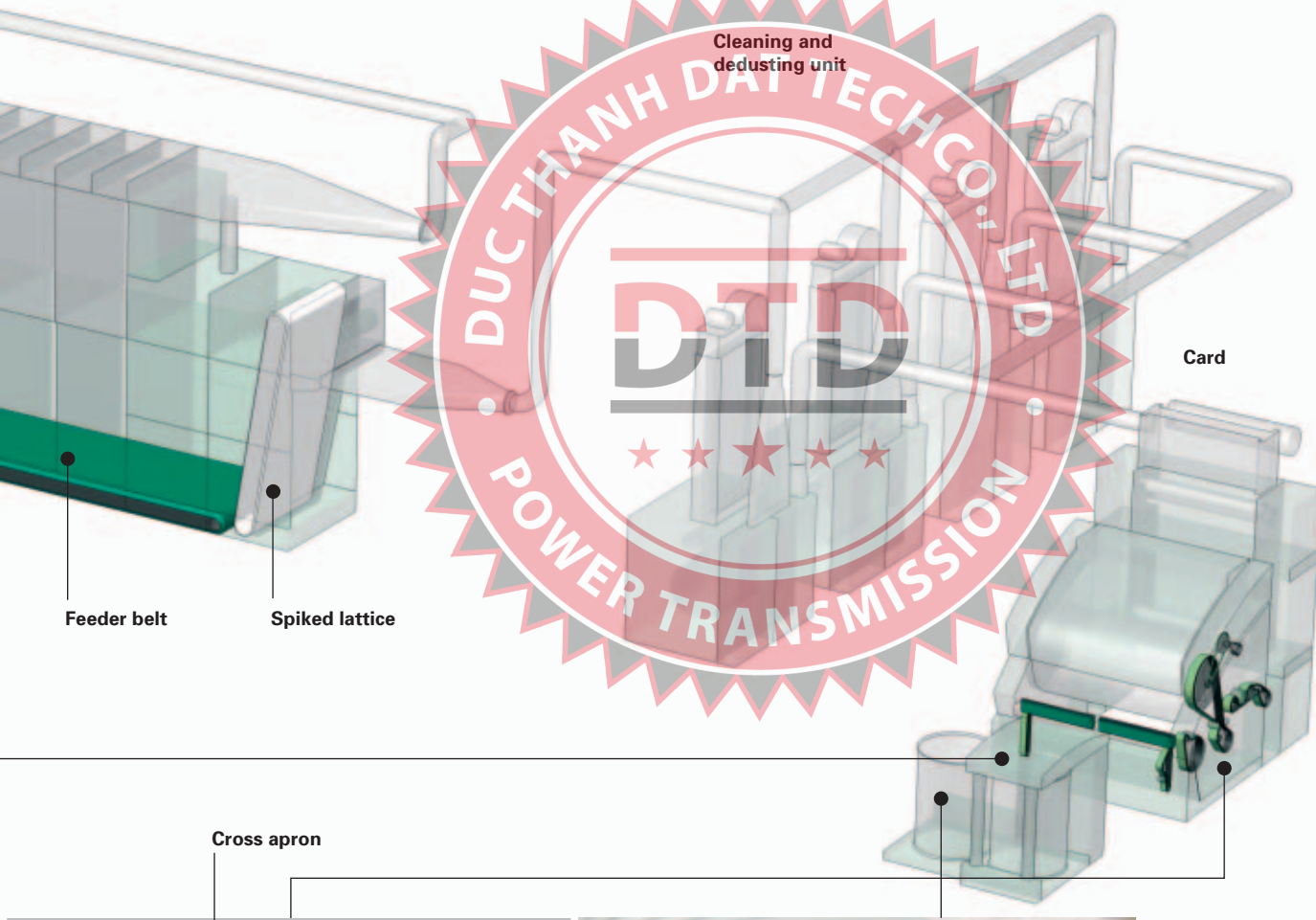
Driving belt



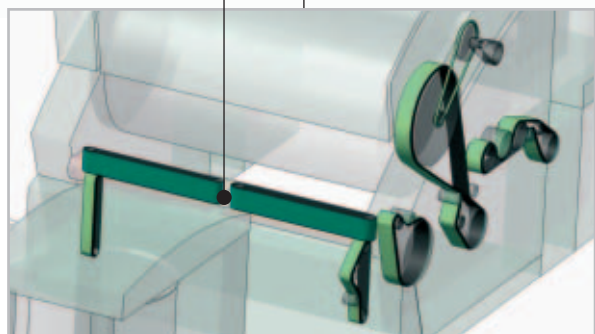
Remark: The drawings show schematic examples of selected applications/processes. The drawings don't lay claim to completeness. The belt recommendations (use/application/layout) can only be considered as a general hint. Due to the complexity of the various processes and technical requirements and the decisive external influences (e.g. nature or property of transported goods, process speed, steps of treatment/handling, environment or process temperature, humidity, chemicals, additives, ingredients, recipes, etc.) there is a large variety of solutions possible.



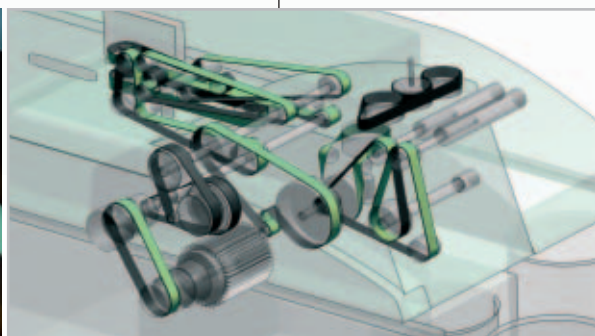
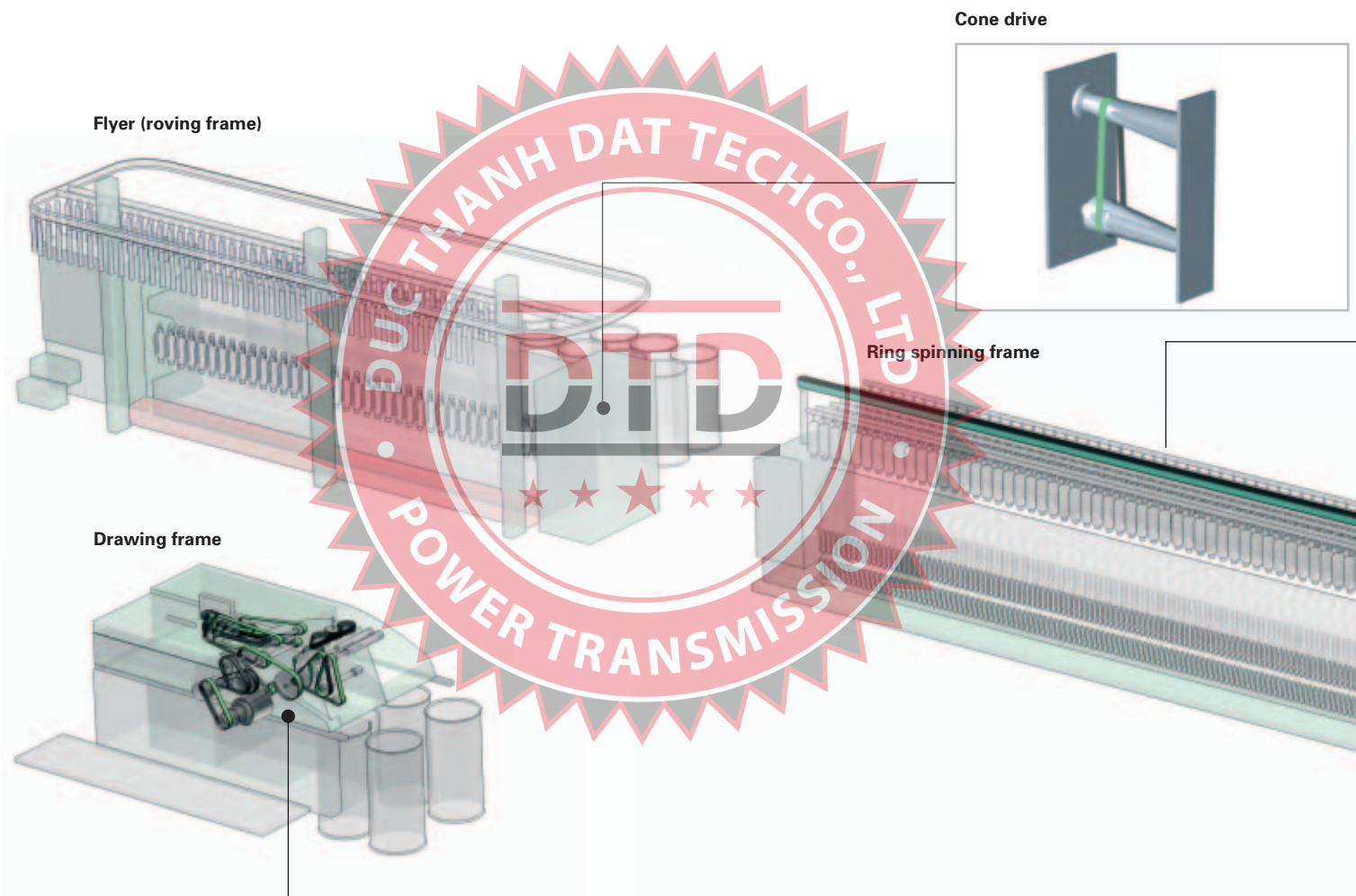
Blending opener

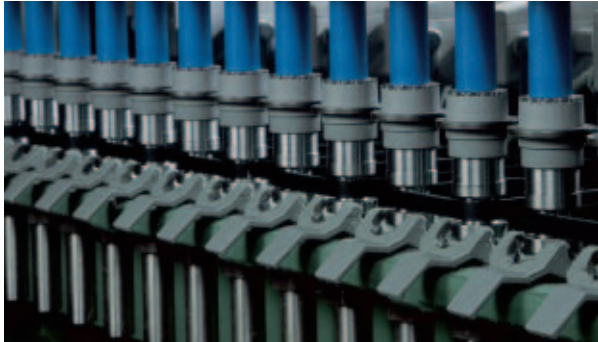


Cross apron



Process overview: Ring spinning for carded yarn

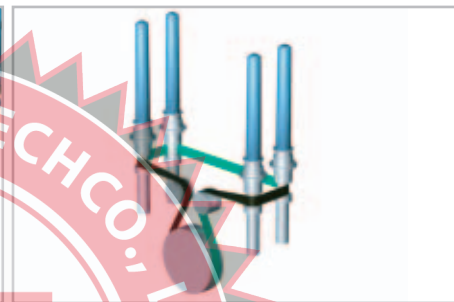
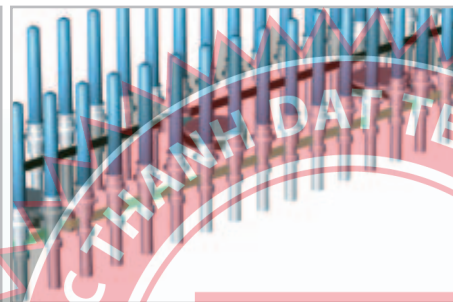
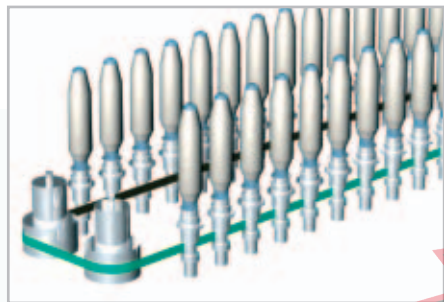




Tangential belt drive

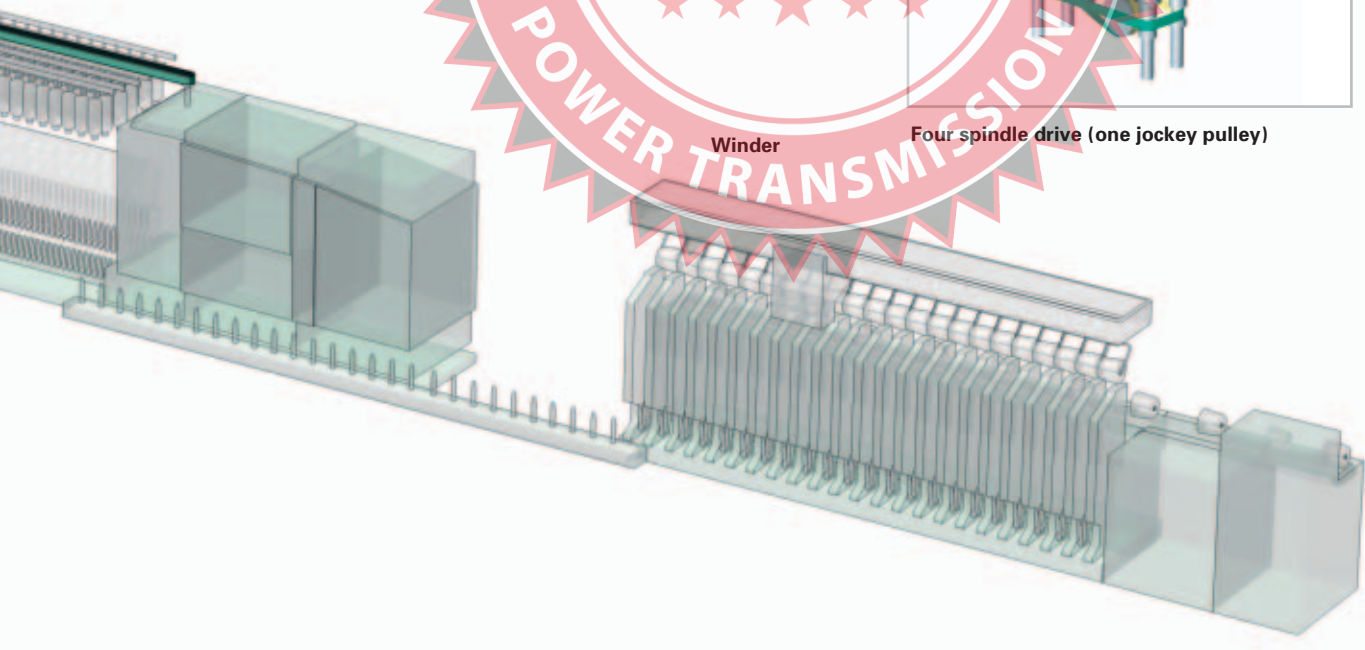
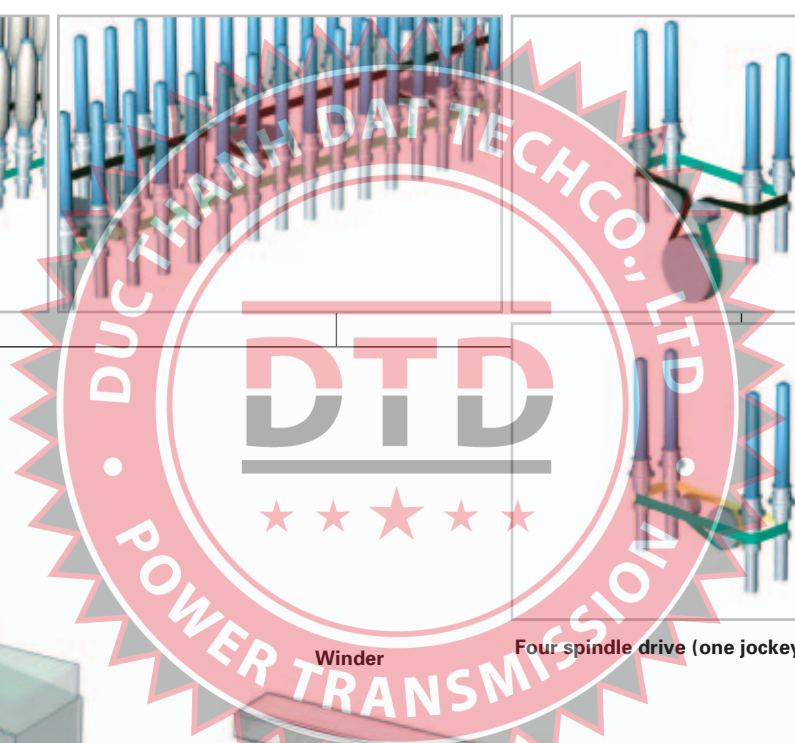
Group/section drive

Four spindle drive (two jockey pulleys)



Winder

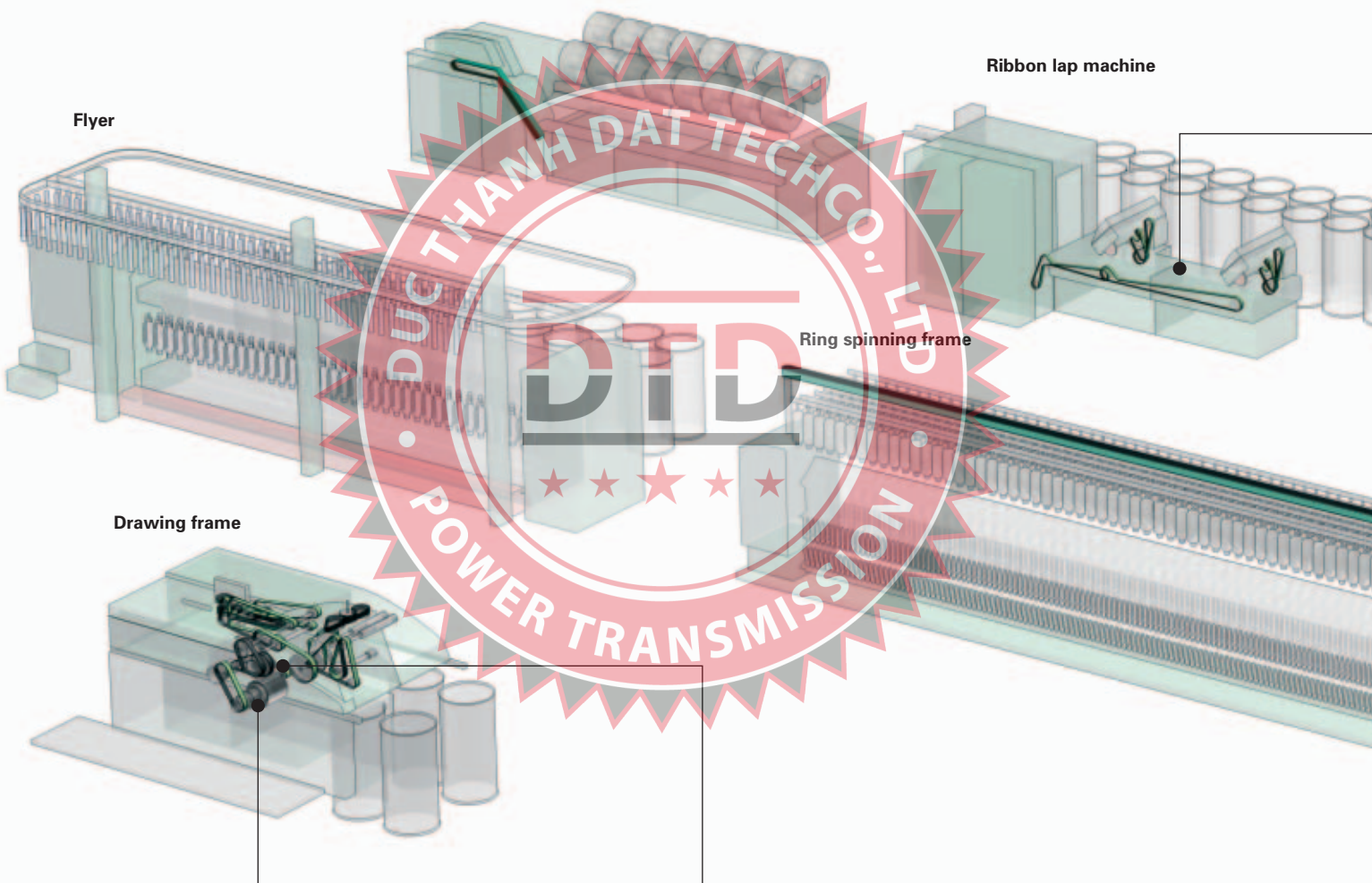
Four spindle drive (one jockey pulley)



Process overview: Ring spinning for combed yarn



Comber

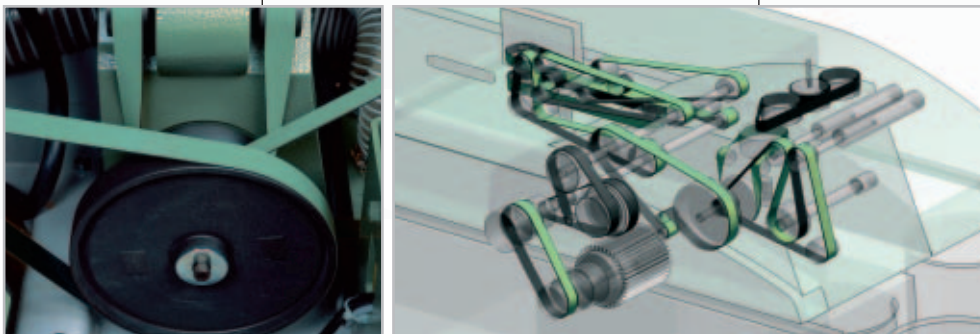


Flyer

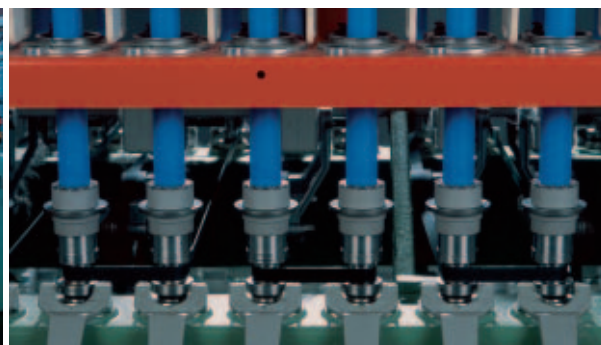
Ribbon lap machine

Ring spinning frame

Drawing frame

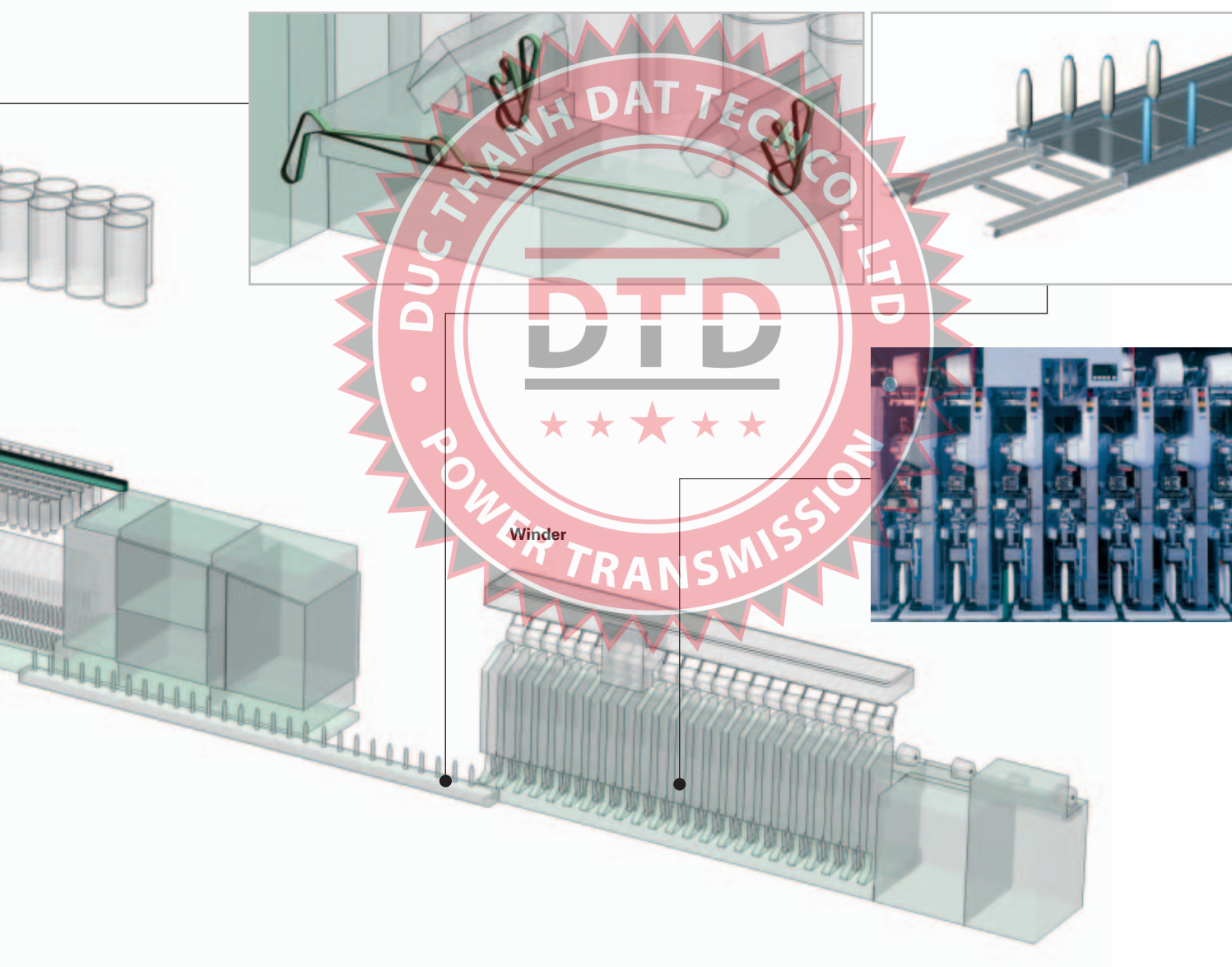


Drawing system driving belt



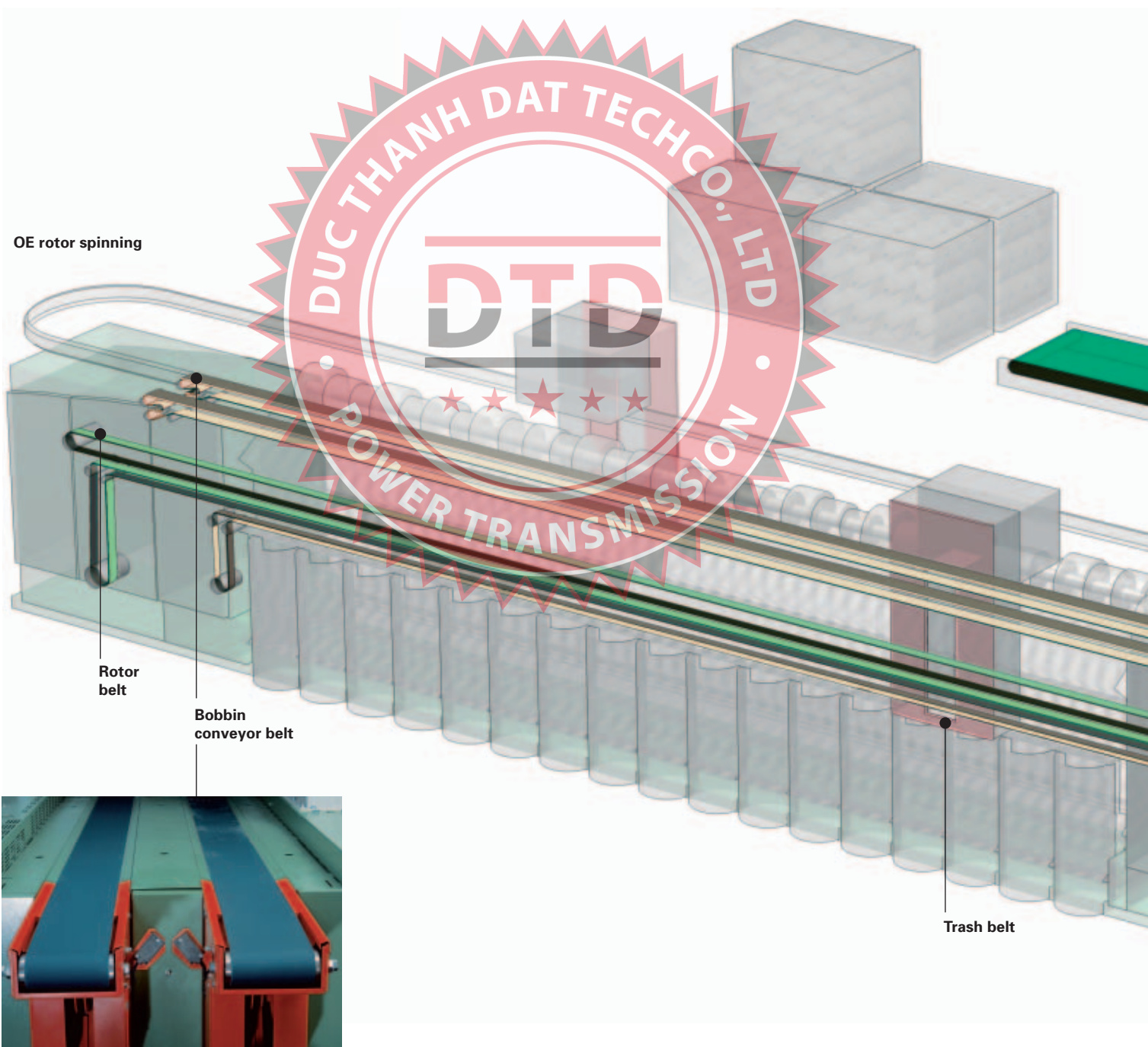
Driving belt

Bobbin conveyor belt



Remark: The drawings show schematic examples of selected applications/processes. The drawings don't lay claim to completeness. The belt recommendations (use/application/layout) can only be considered as a general hint. Due to the complexity of the various processes and technical requirements and the decisive external influences (e.g. nature or property of transported goods, process speed, steps of treatment/handling, environment or process temperature, humidity, chemicals, additives, ingredients, recipes, etc.) there is a large variety of solutions possible.

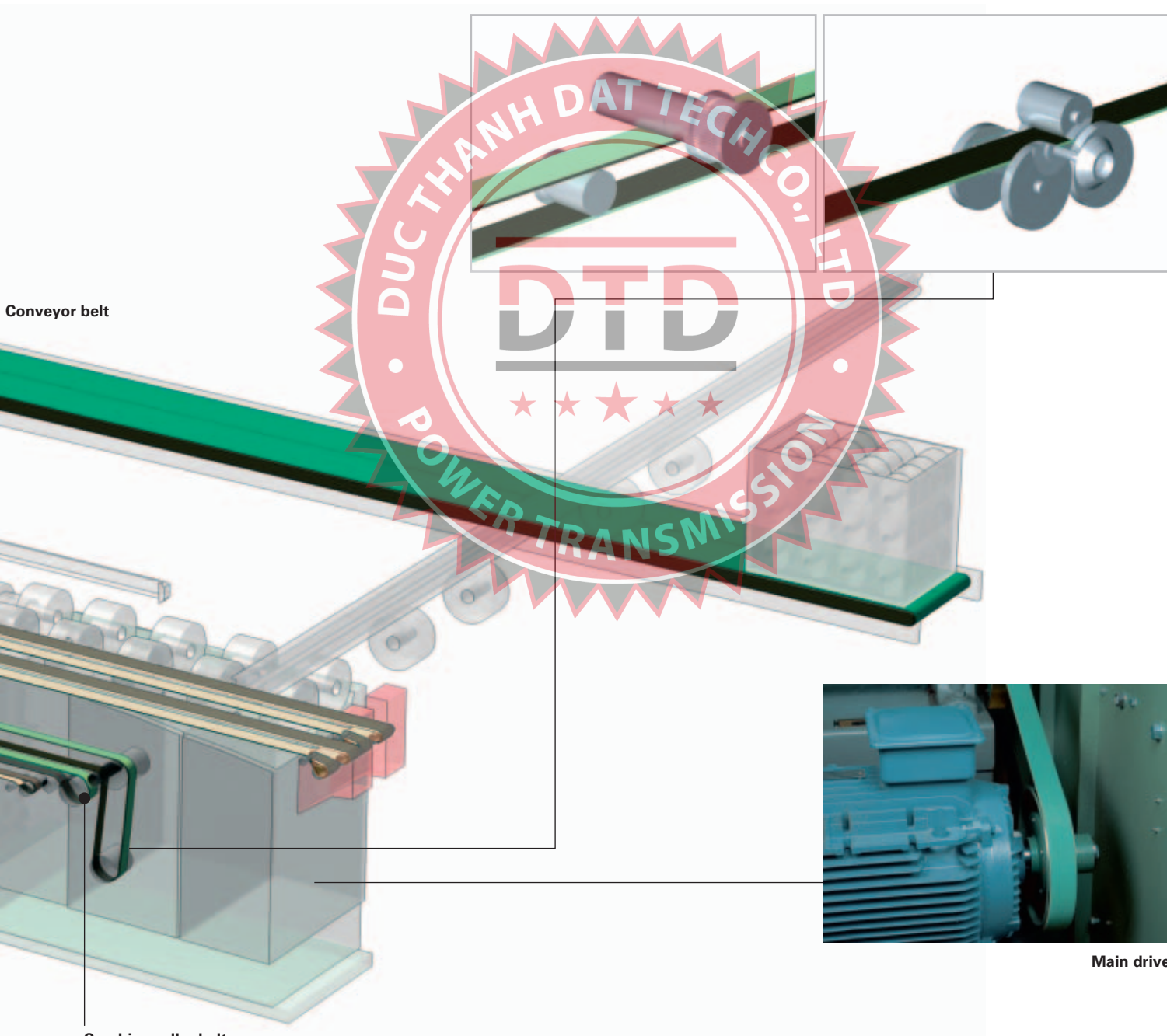
Process overview: OE rotor spinning





Combing roller belt

OE drive



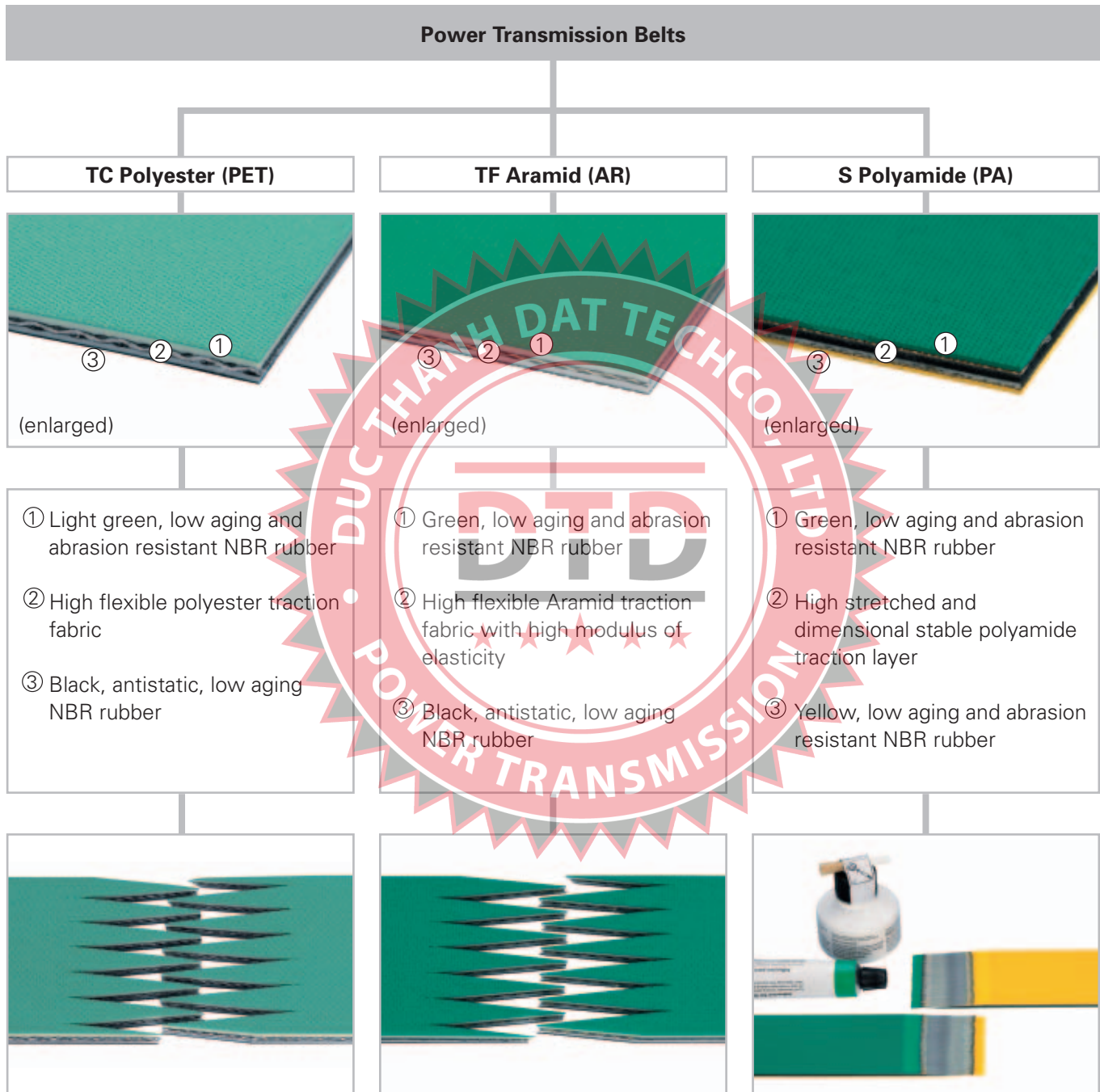
Conveyor belt

Combing roller belt

Main drive

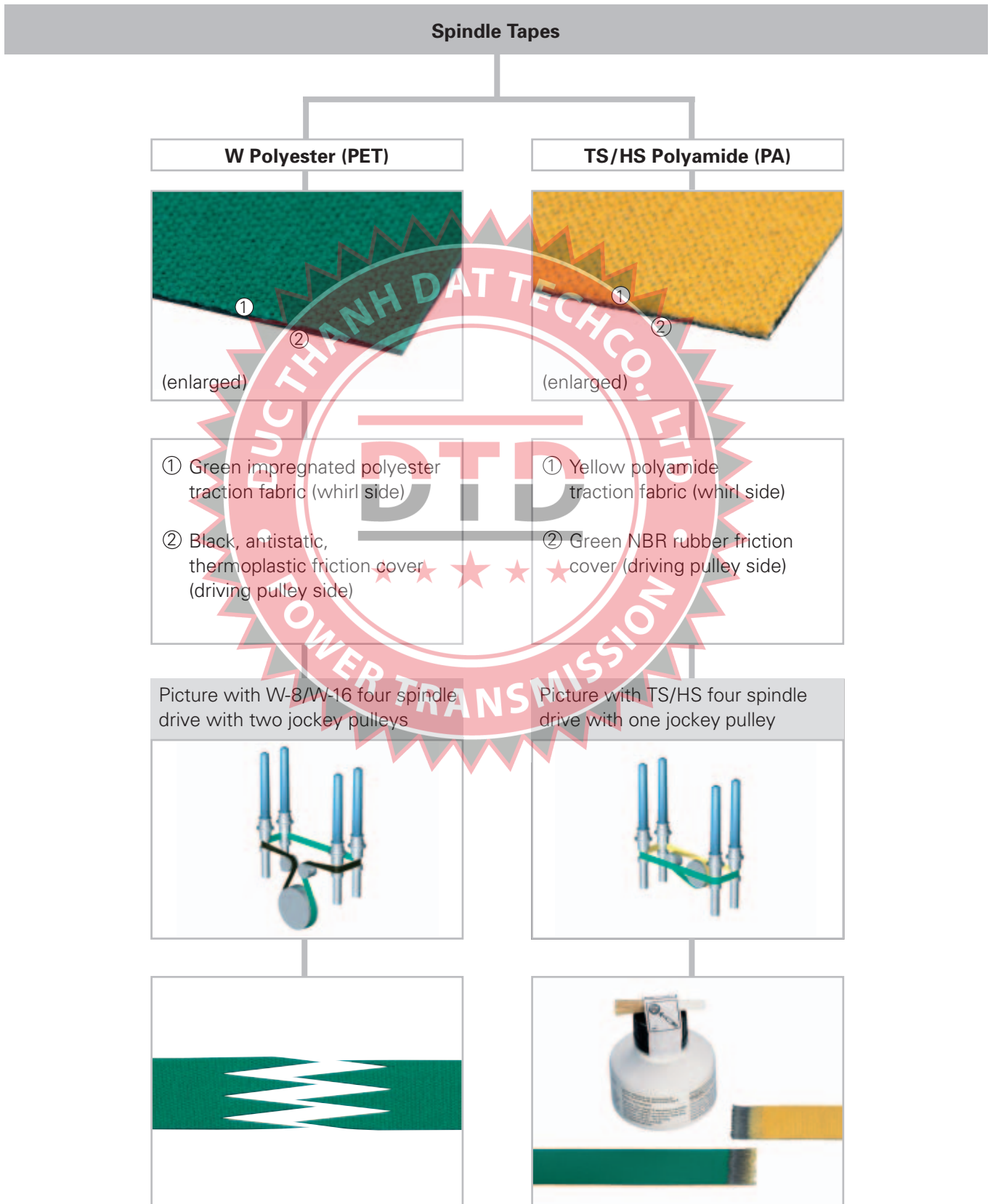
The right choice

Habasit has developed an extensive variety of different power transmission belts that allow the customer to choose the most suitable belt for their specific application requirements.



The right choice

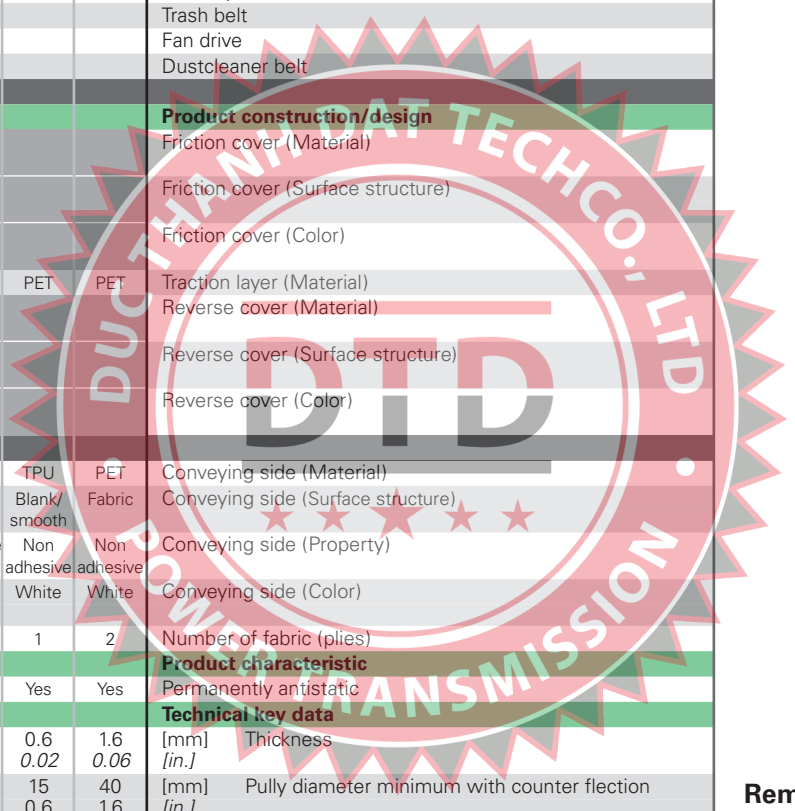
Habasit has developed an extensive variety of spindle tapes that allow the customer to choose the most suitable tape for their specific application requirements.



Textile application table/belt selection guide/technical key data (s

		Power transmission belts														
		Belt type	TC-20EF	TC-20/25EF	TC-35ER	TC-35/30ER	TC-35/35ER	TC-55ER	TCF-20E	TCF-35E	TCF-55E	TF-15	TF-22	TF-33	TF-50	S-140H
Belt application		Tangential drive	•	•	•	•	•	•				•	•	•	•	
		Rotor drive		•	•											
		Combing roll drive	•	•	•											
		Main drive	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		Cross drive														
		Four/two/one spindle drive														
		Cross apron														
		Bobbin conveying														
		Cops conveying														
		Feeder belt														
		Delivery belt														
		Trash belt														
		Fan drive	•		•			•	•	•	•					
		Dustcleaner belt	•		•											
Product construction/design		Friction cover (Material)	NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR	NBR
		Friction cover (Surface structure)	Rough	Rough	Rough	Rough	Rough	Rough	Rough	Rough	Rough	Rough	Rough	Rough	Rough	Rough
		Friction cover (Color)	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black
		Traction layer (Material)	PET	PET	PET	PET	PET	PET	PET	PET	PET	Aramid	Aramid	Aramid	Aramid	Aramid
		Reverse cover (Material)	NBR	NBR	NBR	NBR	NBR	NBR	NBR	Hamid foil	Hamid foil	Hamid foil	NBR	NBR	NBR	NBR
		Reverse cover (Surface structure)	Fine structure	Fine structure	Rough	Rough	Rough	Rough	Rough	Fine structure	Fine structure	Fine structure	Fine structure	Rough	Rough	Rough
		Reverse cover (Color)	Light green	Light green	Light green	Light green	Light green	Light green	Light green	White	White	White	Green	Green	Green	Green
		Conveying side (Material)														
		Conveying side (Surface structure)														
		Conveying side (Property)														
		Conveying side (Color)														
		Number of fabric (plies)														
Product characteristic		Permanently antistatic	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Technical key data		Thickness [mm]	2.0	2.5	2.5	3.0	3.5	3.0	2.2	2.6	2.7	2.0	2.4	3.0	3.9	
		[in.]	0.08	0.1	0.1	0.12	0.14	0.12	0.09	0.1	0.11	0.08	0.09	0.12	0.15	
		Pully diameter minimum with counter flecion [mm]	25	50	50	50	70	70	50	50	70	32	63	90	140	
		[in.]	1	2	2	2	2.8	2.8	2.0	2.0	2.8	1.3	2.5	3.5	5.5	
		Tensile force for 1% elongation (k1% after running-in) [N/mm]	10	12	17	17		26	12	17	26	15	22	33	50	
		per unit of width (Habasit standard 320.013) [lbs./in.]	57	69	97	97		148	69	97	148	86	126	188	286	
		Tensile force for 1% elongation (k1% static) [N/mm]														
		per unit of width (Habasit standard 320.064) [lbs./in.]														
		Tensile force 1% elongation (k1% static) [N/mm]					17									
		per unit of width (Habasit standard 320.111) [lbs./in.]					97									
		Tensile force for 8% elongation (k8% static) [N/mm]														
		per unit of width (Habasit standard 320.063) [lbs./in.]														
Joining system		Flexproof	•	•	•	•	•	•	•	•	•	•	•	•	•	•
		Quickmelt														
		Thermofix														
		Belt type	TC-20EF	TC-20/25EF	TC-35ER	TC-35/30ER	TC-35/35ER	TC-55ER	TCF-20E	TCF-35E	TCF-55E	TF-15	TF-22	TF-33	TF-50	S-140H

SNB-5E	SNB-8E	SNB-12E	SAB-4E	FNB-2E	NNT-8EEWE	Belt type
						Belt application
						Tangential drive
						Rotor drive
						Combing roll drive
						Main drive
						Cross drive
						Four/two/one spindle drive
				•		Cross apron
•	•	•			•	Bobbin conveying
					•	Cops conveying
						Feeder belt
						Delivery belt
•	•		•			Trash belt
						Fan drive
						Dustcleaner belt
						Product construction/design
						Friction cover (Material)
						Friction cover (Surface structure)
						Friction cover (Color)
PET	PET	PET	PET	PET	PET	Traction layer (Material)
						Reverse cover (Material)
						Reverse cover (Surface structure)
						Reverse cover (Color)
PVC	PVC	PVC	PVC	TPU	PET	Conveying side (Material)
Sand finish	Sand finish	Sand finish	Blank/smooth	Blank/smooth	Fabric	Conveying side (Surface structure)
Non adhesive	Non adhesive	Non adhesive	Adhesive	Non adhesive	Non adhesive	Conveying side (Property)
Anthracite	Anthracite	Anthracite	Anthracite	White	White	Conveying side (Color)
2	2	2	1	1	2	Number of fabric (plies)
						Product characteristic
Yes	Yes	Yes	Yes	Yes	Yes	Permanently antistatic
						Technical key data
1.65 0.06	2.1 0.08	2.5 0.1	1.2 0.05	0.6 0.02	1.6 0.06	[mm] [in.] Thickness
25 1	40 1.6	80 3.1	30 1.2	15 0.6	40 1.6	[mm] [in.] Pulley diameter minimum with counter flection
						[N/mm] [lbs./in.] Tensile force for 1% elongation (k1% after running-in) per unit of width (Habasit standard 320.013)
7 40	10 57	16 91	6 34	4 23		[N/mm] [lbs./in.] Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard 320.064)
					8 46	[N/mm] [lbs./in.] Tensile force 1% elongation (k1% static) per unit of width (Habasit standard 320.111)
						[N/mm] [lbs./in.] Tensile force for 8% elongation (k8% static) per unit of width (Habasit standard 320.063)
						Joining system
•	•	•	•	•	•	Flexproof
						Quickmelt
						Thermofix
SNB-5E	SNB-8E	SNB-12E	SAB-4E	FNB-2E	NNT-8EEWE	Belt type



Remarks

All data are approximate values under standard climatic conditions: 23 °C/73 °F, 50% relative humidity (DIN 50005/ISO 554), and are based on the Habasit Master Joining Method.

Remarks

All data are approximate values under standard climatic conditions: 23 °C/73 °F, 50% relative humidity (DIN 50005/ISO 554), and are based on the Habasit Master Joining Method.

Legend

Armid	= Aramide
CEL	= Cellulose
CO	= Cotton
EPDM	= Ethylenpropyleneterpolymer (also called EPT)
Gro.	= Groove (longitudinal groove structure)
Hamid	= Habasit thermoplastic compound
H.	= Hard
Impr. fabric	= Impregnated fabric
Longitudin.	= Longitudinal (longitudinal groove structure)
Mat	= Mat (dull finish)
Medium-adh.	= Medium-adhesive
NA	= Not available
NBR	= Acrylonitrile-Butadiene-Rubber
Non-adh.	= Non-adhesive
Nonwoven	= Web/fleece
PA	= Polyamide
PA/CO	= Polyamide/cotton
PE	= Polyethylene
PET	= Polyester
PET/CO	= Polyester/cotton
POM	= Polyoxymethylene
PP	= Polypropylene
PUR	= Polyurethane cross linked
PVC	= Polyvinylchloride
Quadrillé	= Quadrangular pattern
Sawtooth str., struct.	= Sawtooth profile structure
Super-adh.	= Soft. super-adhesive
TPO	= Polyolefine thermoplastic
TPU	= Polyurethane thermoplastic
Transp.	= Transparent (clear)
Waffle struct.	= Waffle structure
●	= applicable
●	= conditionally applicable
–	= not applicable



Product key data overview

You will find the key data for most Habasit products on the Habasit Websites:

www.habasit.com

Select an affiliated company

- e.g. United Kingdom

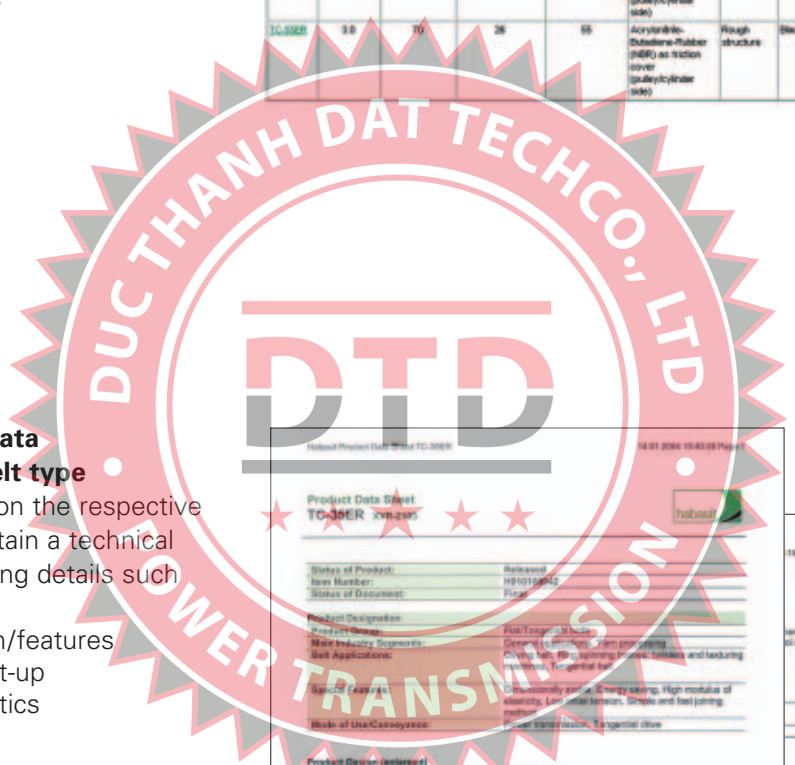
Products

- e.g. Machine Tapes

Product Data

- Overview

Product code	Technical Data				Product Construction/Design						
	Thickness [mm]	Pulley diameter (minimum) [mm]	Tensile force for 1% elongation (at 1% strain) [N/mm]	Nominal peripheral force per unit of width [N/mm]	Friction cover		Traction layer		Reverse cover		
					Material	Surface structure	Color	Material	Material	Surface structure	Color
TC-30ER	2.8	35	15	25	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)	Rough structure	Black	Polyester fabric (PET)	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (inflat side)	Fine structure	Light green
TC-30GSE	2.5	30	12	25	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)	Rough structure	Black	Polyester fabric (PET)	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (inflat side)	Fine structure	Light green
TC-30SE	2.5	30	17	35	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)	Rough structure	Black	Polyester fabric (PET)	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (inflat side)	Rough structure	Light green
TC-30GSE	3.0	30	17	35	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)	Rough structure	Black	Polyester fabric (PET)	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (inflat side)	Rough structure	Light green
TC-30SE	3.0	30	26	55	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)	Rough structure	Black	Polyester fabric (PET)	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (inflat side)	Rough structure	Light green



Detailed technical data for each product/belt type

With one more click on the respective belt type, you will obtain a technical data overview, showing details such as:

- Product designation/features
- Product design/built-up
- Product characteristics
- Technical data etc.

Product Data Sheet
TC-30ER

Released: 19/01/2008
Page 1 of 3

Product Designation: TC-30ER

State of Product: Released

Issue Number: 01

Status of Document: Final

Product Designation: TC-30ER

Product Name: Flat Top, Machine Tapes

State Industry Sectors: Chemical, Machine, Farm processing

Best Applications: Conveyors, Drilling, Spinning, Textiles and Texturing, Rubber, Textile

Special Features: Chemically stable, Shock-resistant, High modulus of elasticity, Low heat tension, Simple and fast joining, Self-cleaning, Tangential drive

Risks of Use/Consequences: See technical data

Product Design (simplified)

Product Construction/Design

1. Friction cover (Material):	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)
1. Friction cover (Surface structure):	Rough structure
1. Traction layer (Color):	Black
2. Traction Layer (Material):	Polyester fabric (PET)
2. Reverse cover (Material):	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (inflat side)
2. Reverse cover (Surface structure):	Rough structure
2. Reverse cover (Color):	Light green

Used in accordance with the following standards:
 - ISO 10241-1:2001 (Mechanical Safety of Conveyors)
 - EN 12052:2000 (Safety of Conveyors)
 - EN 12053:2000 (Safety of Conveyors)
 - EN 12054:2000 (Safety of Conveyors)
 - EN 12055:2000 (Safety of Conveyors)
 - EN 12056:2000 (Safety of Conveyors)
 - EN 12057:2000 (Safety of Conveyors)
 - EN 12058:2000 (Safety of Conveyors)
 - EN 12059:2000 (Safety of Conveyors)
 - EN 12060:2000 (Safety of Conveyors)
 - EN 12061:2000 (Safety of Conveyors)
 - EN 12062:2000 (Safety of Conveyors)
 - EN 12063:2000 (Safety of Conveyors)
 - EN 12064:2000 (Safety of Conveyors)
 - EN 12065:2000 (Safety of Conveyors)
 - EN 12066:2000 (Safety of Conveyors)
 - EN 12067:2000 (Safety of Conveyors)
 - EN 12068:2000 (Safety of Conveyors)
 - EN 12069:2000 (Safety of Conveyors)
 - EN 12070:2000 (Safety of Conveyors)
 - EN 12071:2000 (Safety of Conveyors)
 - EN 12072:2000 (Safety of Conveyors)
 - EN 12073:2000 (Safety of Conveyors)
 - EN 12074:2000 (Safety of Conveyors)
 - EN 12075:2000 (Safety of Conveyors)
 - EN 12076:2000 (Safety of Conveyors)
 - EN 12077:2000 (Safety of Conveyors)
 - EN 12078:2000 (Safety of Conveyors)
 - EN 12079:2000 (Safety of Conveyors)
 - EN 12080:2000 (Safety of Conveyors)
 - EN 12081:2000 (Safety of Conveyors)
 - EN 12082:2000 (Safety of Conveyors)
 - EN 12083:2000 (Safety of Conveyors)
 - EN 12084:2000 (Safety of Conveyors)
 - EN 12085:2000 (Safety of Conveyors)
 - EN 12086:2000 (Safety of Conveyors)
 - EN 12087:2000 (Safety of Conveyors)
 - EN 12088:2000 (Safety of Conveyors)
 - EN 12089:2000 (Safety of Conveyors)
 - EN 12090:2000 (Safety of Conveyors)
 - EN 12091:2000 (Safety of Conveyors)
 - EN 12092:2000 (Safety of Conveyors)
 - EN 12093:2000 (Safety of Conveyors)
 - EN 12094:2000 (Safety of Conveyors)
 - EN 12095:2000 (Safety of Conveyors)
 - EN 12096:2000 (Safety of Conveyors)
 - EN 12097:2000 (Safety of Conveyors)
 - EN 12098:2000 (Safety of Conveyors)
 - EN 12099:2000 (Safety of Conveyors)
 - EN 12100:2000 (Safety of Conveyors)

Follow the installing and maintenance instructions which are supplied with each product delivery.

Features and benefits

Power transmission belts

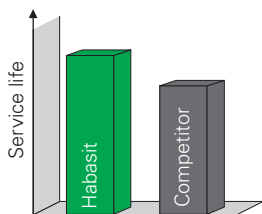
Polyester TC power transmission belts (PET)

Habasit developed this unique product range as a result of very close contacts to the textile industry, partnerships with leading machine manufacturers worldwide and ongoing research. Habasit has gained much experience with polyester products in different industries and applications over the years. The result is a product range with a perfect price-to-value ratio.



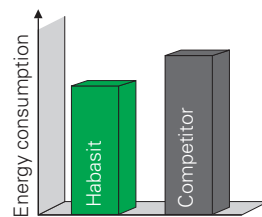
Features

Benefits



- Very flexible belt

- Longest service life
- Outstanding reliability
- Suitable for small pulley diameters



- Reduced energy consumption

- Maximum efficiency
- Economical production
- Energy cost saving

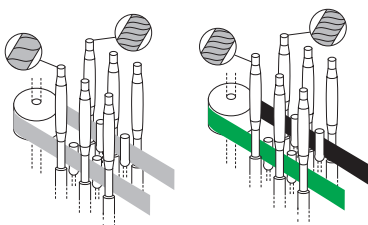


- New opportunities and new solutions

- Best price / value ratio
- Recommended for both demanding and straightforward applications

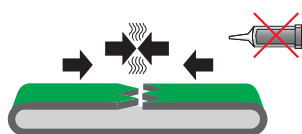
Competitor

Habasit



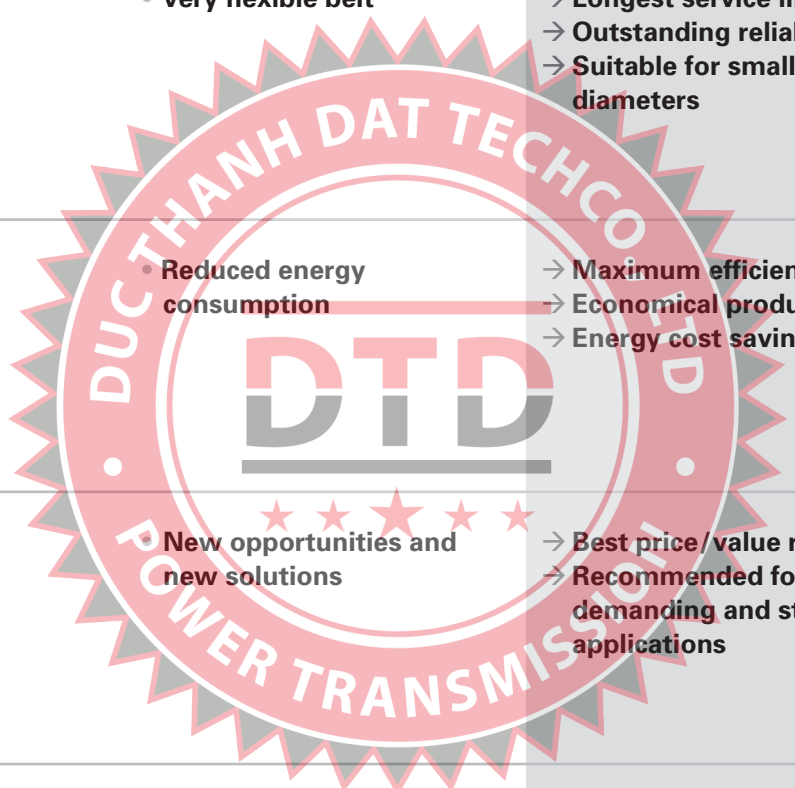
- Constant and uniform yarn twist

- Best yarn quality
- Highest productivity



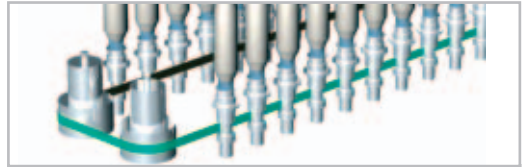
- Simple and fast joining method (Flexproof)

- Easy handling
- Adhesive-free joint
- Short machine downtimes
- S and Z direction possible



Aramid power transmission belts (AR)

TF-Tangential/flat belts are used for future-oriented and extremely compact driving configurations at very high speeds. Aramid power transmission belts are highly appreciated in the market due to their high efficiency, energy saving features and high power transmission. They run at a very low initial working tension with little noise. Aramid belts have greater dimensional stability, which saves time during installation, reduces maintenance work and guarantees a long service life for the belt.



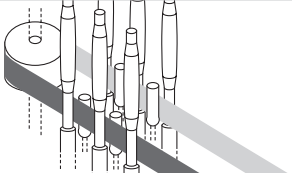
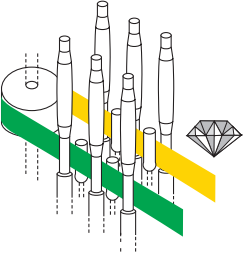
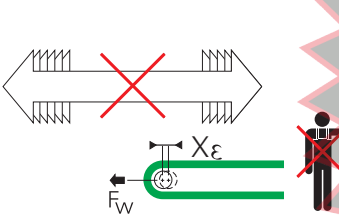
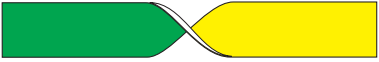
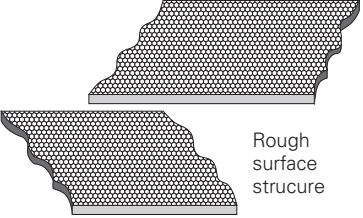
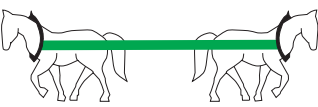
	Features	Benefits
	<ul style="list-style-type: none"> • Constant and uniform yarn twist 	<ul style="list-style-type: none"> → High yarn quality → High productivity
	<ul style="list-style-type: none"> • Reduced energy consumption 	<ul style="list-style-type: none"> → Maximum efficiency → Economical production → Energy cost saving
	<ul style="list-style-type: none"> • Low sensitivity to humidity 	<ul style="list-style-type: none"> → High dimensional stability → No re-tensioning → No downtimes
	<ul style="list-style-type: none"> • Stable modulus of elasticity 	<ul style="list-style-type: none"> → High dimensional stability → No re-tensioning → No downtimes
	<ul style="list-style-type: none"> • Simple and fast joining method (Flexproof) • Adhesive-free joint 	<ul style="list-style-type: none"> → Easy handling → Minimum equipment needed → Short machine downtimes → S and Z direction possible

Features and benefits

Power transmission belts

Polyamide power transmission belts (PA)

Polyamide power transmission belts from Habasit, the market leader, with sustainable competitive advantages are found on spinning, twisting and texturing machines all over the world. They have an extremely long service life during which they guarantee consistently high power transmission. We supply the required length and width on request, offering total freedom of design to engineers.

	 Benefits
 <ul style="list-style-type: none"> • Long service life of the belt 	<ul style="list-style-type: none"> → Constant and uniform spindle rpm → High productivity
 <ul style="list-style-type: none"> • Stable modulus of elasticity after running-in 	<ul style="list-style-type: none"> → No re-tensioning → No downtimes → No maintenance
 green yellow	<ul style="list-style-type: none"> → Two colors for easy and safe installation → No twisting of the belt → No installing mistake → Short machine downtimes
 Rough surface structure	<ul style="list-style-type: none"> → No soiling → No slippage → Reduced maintenance costs
 <ul style="list-style-type: none"> • Forgiving • Good dimensional stability 	<ul style="list-style-type: none"> → Belt can handle intermittent overloads → Process reliability → Long belt life

Features and benefits

Spindle tapes

Polyester spindle tapes (PET)

Habasit W-spindle tapes were developed in intensive cooperation with a leading Swiss machine manufacturer and first introduced to the market in the late 80's. The main focus was suitability for spindle speeds over 20,000 rpm, no fiber fly accumulation as well as a long and reliable service life. These development goals were all achieved which is why leading machine manufacturers in Switzerland, Japan, China and India are using W-spindle tapes for the original equipment.



Features	Benefits
	<ul style="list-style-type: none"> • No fibre accumulation
	<ul style="list-style-type: none"> → Constant spindle speed → No increased energy consumption → No need for cleaning → No interruption of production → Uniform yarn quality
	<ul style="list-style-type: none"> • Simple and fast joining method (Flexproof) • Minimized speed loss during spindle stop
<ul style="list-style-type: none"> → Easy handling → Adhesive-free joint → Short machine downtimes → S and Z direction possible → Uniform yarn quality → Increased efficiency → Cost saving 	

Polyamide spindle tapes (PA)

	<ul style="list-style-type: none"> • Long service life 	<ul style="list-style-type: none"> → Robust → Reliable
	<ul style="list-style-type: none"> • Good price/value ratio 	<ul style="list-style-type: none"> → Economical tapes for economical production → Cost saving
	<ul style="list-style-type: none"> • Less maintenance 	<ul style="list-style-type: none"> → No soiling → Reduced machine downtimes → Increased productivity → Cost saving

Offering superior fabrication capabilities is a key element in Habasit's service concept. Fabrication can take place either in the facilities of the supplier or on-site at the end user. These two approaches need different philosophies. Habasit has solutions for both cases.



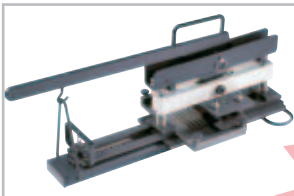
A well adapted range of joining systems

Depending on the application, Habasit can deliver belts joined with various joining systems or support you in doing these on-site. Our standard joining systems are **Thermofix** (skived joint), **Flexproof** (finger joint), **Quickmelt** (butt end joint), Step-Flex (finger over finger) and mechanical fasteners (plastic spiral lacing or a wide range of the prevalent metal fasteners are other offerings).



Tools for on-site fabrication

Because we understand your processes, we can support you with cost effective high quality tools that keep your equipment up and running. In case of emergency our tools will help to minimize breakdown time and support efficiently the joining process. Habasit offers skivers to prepare belt ends of polyamid power transmission belts and spindle tapes prior to joining. Finger cutting devices to prepare Aramid and polyester power transmission belts and TPU spindle tapes are in the range as well. A selection of hot pressing devices to fit your applications and guarantee optimum quality complement the range.



On site installation service

In cases where having the tools ready on-site is not economical you can be sure to have a Habasit affiliate or service partner nearby who can offer the required fabrication service and bring in the necessary equipment.



High quality auxiliary material

Our custom-made adhesives and meltable foils make sure that the quality of the original belt product is not compromised by the joint.

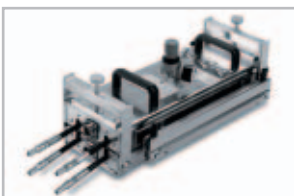


Belt product alternatives to match the desired fabrication system

For all major yarn processing applications Habasit offers alternative belt products depending on the desired joining system:



Joining system		Flexproof	Thermofix
Spindle tape	W-8	•	-
	TS-5/HS-5	-	•
Tangential belt	TC-	•	-
	TF-	•	-
	S-range	-	•



Thus we can offer the right product for your existing fabrication tools, or meet the increasing demand for adhesive-free joining systems.

Fabrication ex works

Our state-of-the-art fabrication facilities ensure that your orders are fulfilled on time, with optimum quality and at the best economic conditions

Custom stamping

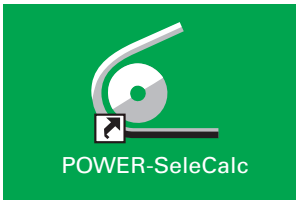
Need a belt marked with the proper spare part number and application instructions? Our custom stamping can take care of that.

Offering a comprehensive range of services is part of Habasit's belting solutions approach. We are committed partners of our customers, and we consider the sharing of knowledge and providing of support as an essential task. And this we offer:



Consulting and technical support

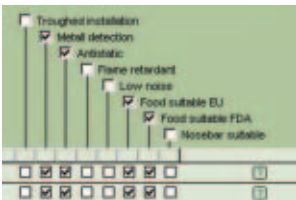
Habasit offers the best consulting and technical support on the belting market for fabric based belts and plastic modular belts founded on the experience and competence acquired in more than 50 years.



Belt selection and calculation

For our customers we select and calculate the most suitable belt for a specific application. However, customers may do it themselves thanks to the state-of-the-art Habasit selection and calculation programs "SeleCalc". For ordering these programs free of charge simply call the nearest Habasit partner or contact: info@habasit.com

POWER-SeleCalc = Power transmission belt selection and calculation



Fabrication or assembling

We join fabric belts or assemble plastic modular belts at our locations or on-site directly on the machine or on the system.



Shortest lead times and installing service at hand

Habasit owns 25 **Affiliated Companies** located in North America, Europe and Asia, each with own inventory, fabrication, assembling and service facilities.

Together with our country managers, representative offices and a large number of qualified distributors we are in a position to react quickly, competently and reliably to customers' demands on an international scale.



Testing at customer's site

If required we are testing process functionality, alternative products and variations of fabric belts or modular belts at the customer's site.

Belt inspections and analyses

We are carrying through belt inspections, analyses, surveys per location and work out the necessary reports and recommendations.



Belt repair

We have developed sophisticated repair methods and equipments with proven effectiveness.

Process optimization proposals

We analyze processes together with the customer and submit proposals for optimization, e.g. added value for the machinery/process output, output increase.

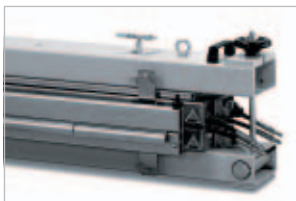


Special belt fabrication

We offer special fabrications, such as longitudinal joining, edge sealing, profile welding, guide profiles welding, hole punching, side skirt installations, curve conveyor layout/cutting preparation, etc.

General services (contd.)

Customized services



Joining tools and auxiliaries equipment

To support an effective and efficient fabrication of our belts, we developed and offer a broad range of tools and devices designed to meet the needs of our customers and distribution/service partners. This range covers the requirements of inhouse fabrication (series and specialties) as well as those of on-site installations of conveyor, power transmission belts and tapes.



For example slitters, skiving tools, finger cutting tools, hot-presses and auxiliaries like coiling and welding devices. For plastic modular belts HabasitLINK® we are well equipped with own designed and manufactured semi-automated assembling machines.



Training

Habasit organizes training programs and provides supporting tools to ensure optimal use of our products and prolonging their life cycle. Fabrication, installing, assembling, maintenance and belt repair training is carried through at Habasit's or at customer's site.



Specific application knowledge transfer

Habasit provides application specific knowledge transfer for process specific issues to allow for optimal use of our products and to optimize machinery and processes (e.g. cleaning, hygiene/sanitation).

Guaranteed performance

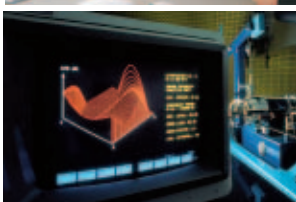
Our faith in our products is such that if one of our sales specialists has recommended a belt for a specific application, we will guarantee its performance. Should for any reason that belt not perform optimally, your money will be refunded unconditionally.

Customized services



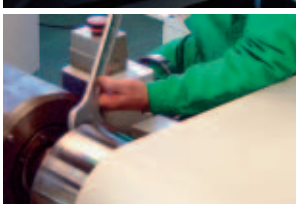
Designing the future "Partner in Design"

Habasit believes in partnership. For joint design developments our engineering team is looking for strong cooperation with the customer's engineering team, preferably at a very early stage. We offer this cooperation to large customers.
Co-design: We work together for success



Testing offer for customer

R&D expertise, laboratory and test equipment are offered for the customer's specific process needs like mechanical endurance testing, influence of customer/process used chemicals/ingredients or thermal influence behavior on belts.



Belt monitoring

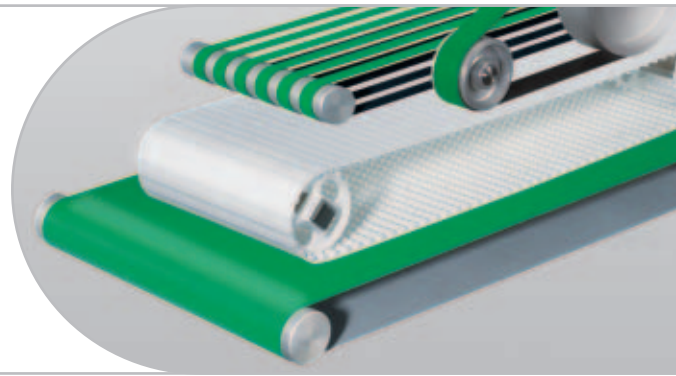
A customized Habasit service that includes maintenance, regular belt monitoring reports, regular review meetings with the responsible for process/production at customer's site.

Customized service agreements

According to the specific needs of our customers we offer customized services like inventory, emergency service, belt exchange services or order/re-order management.

The Habasit Solution

**At Habasit, we listen. We innovate.
And we deliver integrated belting
solutions – right first time.**



Customer first

Habasit understands that our success depends on the success of our customers. That's why we offer solutions, not just products; partnership, not just sales. Our innovative belting solutions are tailored exactly to specific needs. We guarantee best value for money in every application. Since its foundation in 1946, Habasit has proven this understanding of customer needs for more than 50 years. That's why we are the no.1 in belting. Worldwide.



Product range

Habasit offers the largest selection of fabric and plastic modular belts in the industry. Our answer to any request is nothing less than a specific, tailor-made solution.

Fabric conveyor & processing belts

Plastic modular belts

Power transmission belts

Machine tapes

Seamless belts

Round belts

Timing belts

Auxiliaries (e.g. profiles, tools)

Innovation / R&D

Habasit is strongly committed to the continuous development of innovative, value-added solutions. More than 3% of our staff is dedicated exclusively to R&D; the annual investment in this area exceeds 8% of the turnover.



Global network

Facts & figures

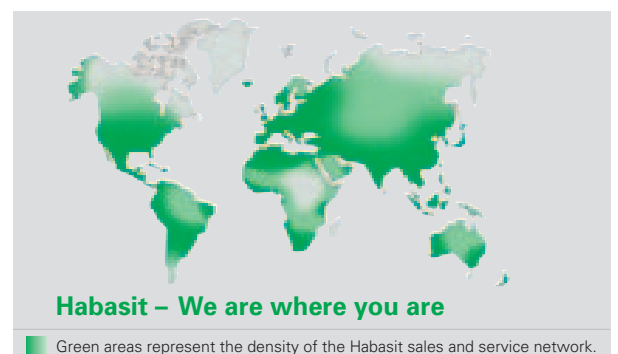
Founded	1946
Turnover 2003	CHF 418 million
Sales to market	4.2 million m ²
Employees	more than 2200
Production plants	12
Affiliated companies	25
Representatives	in over 50 countries
Service centers	over 250 globally

Services & guarantees

Our extensive organization is prepared to support you anywhere in the world. Engineering and emergency assistance, quotes and order status are just a phone call away. Wherever you are. Whenever you need us.

Quality

Highest quality standards are found not only in products, but also in our employees' daily work process. Based on a worldwide TQM approach, Habasit started very early to implement a quality system and was certified already in 1987 according to ISO 9001 / EN 29001. In 1996 Habasit was certified according to ISO 9001:1994. Since then we undergo periodically quality audits performed by an independent certification body. In the year 2002 we achieved certification according to the revised standard ISO 9001:2000.



Austria

Habasit GmbH, Wien
 Phone: +43 1 690 66
 www.habasit.at

Belgium

Habasit Belgium N.V., Zaventem
 Phone: +32 2 725 04 30
 www.habasit.be

Canada

Habasit Canada Ltd., Oakville
 Phone: +1 905 827 4131
 www.habasit.ca

China

Habasit East Asia Ltd., Hong Kong
 Phone: +852 2145 01 50
 www.habasit.com/hk

Czech Republic

Habasit Bohemia spol. s.r.o., Brno
 Phone: +4205 41 421 651
 www.habasit.cz

France

Habasit France S.A., Mulhouse
 Phone: +33 389 33 89 03
 www.habasit.fr

Germany

Habasit GmbH, Eppertshausen
 Phone: +49 6071 969 0
 www.habasit.de

Hungary

Habasit Hungária Kft., Esztergom
 Phone: +36 33 510 610
 www.habasit.hu

India

Habasit-lakoka Pvt. Ltd., Coimbatore
 Phone: +91 422 262 78 79
 www.habasitiakoka.com

Italy

Habasit Italiana Spa
 Customer Care:
 Phone: 199 199 333
 For int. calls: +39 0438 911444
 www.habasit.it

Japan

Habasit Nippon Co. Ltd., Yokohama
 Phone: +81 45 476 03 71
 www.habasit.co.jp

Latvia

Habasit Baltic SIA, Daugavpils
 Phone: +371 54 074 88
 www.habasit.lv

Netherlands

Habasit Netherlands BV, Nijkerk
 Phone: +31 33 24 72 030
 www.habasit.nl

Norway

Habasit Norge A/S, Oslo
 Phone: +47 22 90 92 80
 www.habasit.no

Romania

Habasit Import/Export Romania SRL,
 Bucuresti, Phone: +40 21 323 95 65
 www.habasit.ro

Russia

Habasit Moscow
 Phone: +7 09 59 561 508
 www.habasit.ru

Singapore

Habasit Far East Pte. Ltd., Singapore
 Phone: +65 6862 55 66
 www.habasit.com.sg

Spain

Habasit Hispanica S.A.,
 Barberà del Vallès
 Phone: +34 93 719 19 12
 www.habasit.com

Sweden

Habasit AB, Hindas
 Phone: +46 301 226 00
 www.habasit.se

Switzerland

Habasit Schweiz, Reinach
 Phone: +41 61 715 15 75
 www.habasit.ch

Taiwan

Habasit East Asia (Taiwan) Ltd.
 Taipei Hsien
 Phone: +886 2 8261 8330
 www.habasit.com.tw

Ukraine

Habasit Ukraina, Vinnica
 Phone: +38 0432 53 17 35
 or +38 0432 53 67 38
 www.habasit.ua

United Kingdom and Ireland

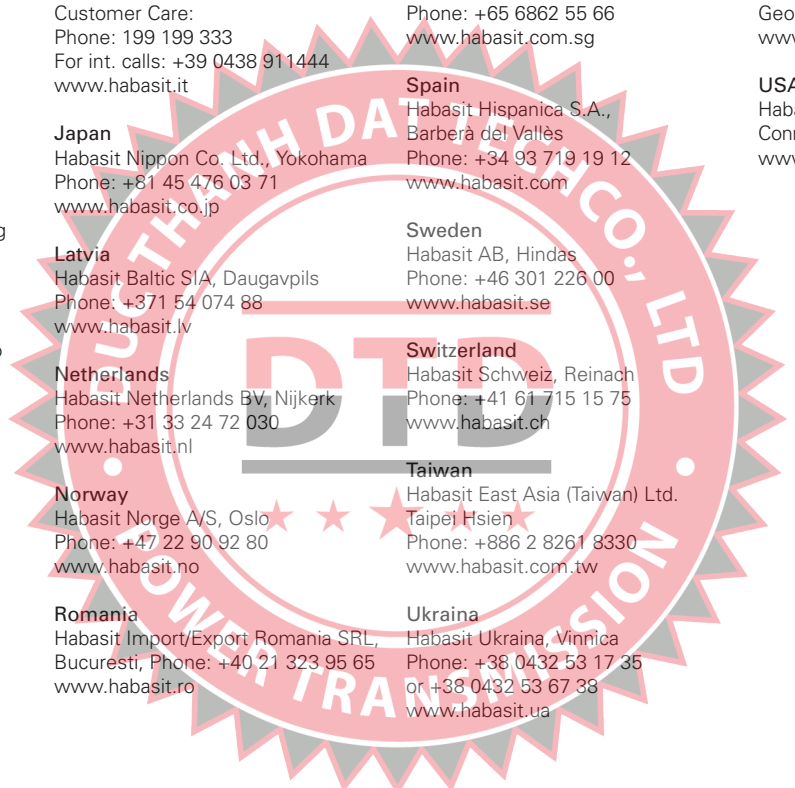
Habasit, Corby
 Phone: +44 1536 402 340
 www.habasit.co.uk

USA

Habasit Belting Inc., Suwanee,
 Georgia, Phone: +1 800 458 6431
 www.habasitusa.com

USA (Seamless belts only)

Habasit ABT Inc., Middletown,
 Connecticut, Phone: +1 860 632 2211
 www.habasitabt.com

**Product liability, application considerations**

If the proper selection and application of Habasit products are not recommended by an authorized Habasit sales specialist, the selection and application of Habasit products, including the related area of product safety, are the responsibility of the customer.

All indications/information are recommendations and believed to be reliable, but no representations, guarantees, or warranties of any kind are made as to their accuracy or suitability for particular applications. The data provided herein are based on laboratory work with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experiences can lead to modifications and changes within a short time without prior notice.

BECAUSE CONDITIONS OF USE ARE OUTSIDE OF HABASIT'S AND ITS AFFILIATED COMPANIES CONTROL, WE CANNOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS MENTIONED HEREIN. THIS ALSO APPLIES TO PROCESS RESULTS / OUTPUT / MANUFACTURING GOODS AS WELL AS TO POSSIBLE DEFECTS, DAMAGES, CONSEQUENTIAL DAMAGES, AND FURTHER-REACHING CONSEQUENCES.

Headquarters

Habasit AG
 Römerstrasse 1
 CH-4153 Reinach, Switzerland
 Phone +41 61 715 15 15
 Fax +41 61 715 15 55
 E-mail info@habasit.com
 www.habasit.com

Registered trademarks

Copyright Habasit AG
 Subject to alterations
 Printed in Switzerland
 Publication data:
 2006BRO.TEX-en0304HQR