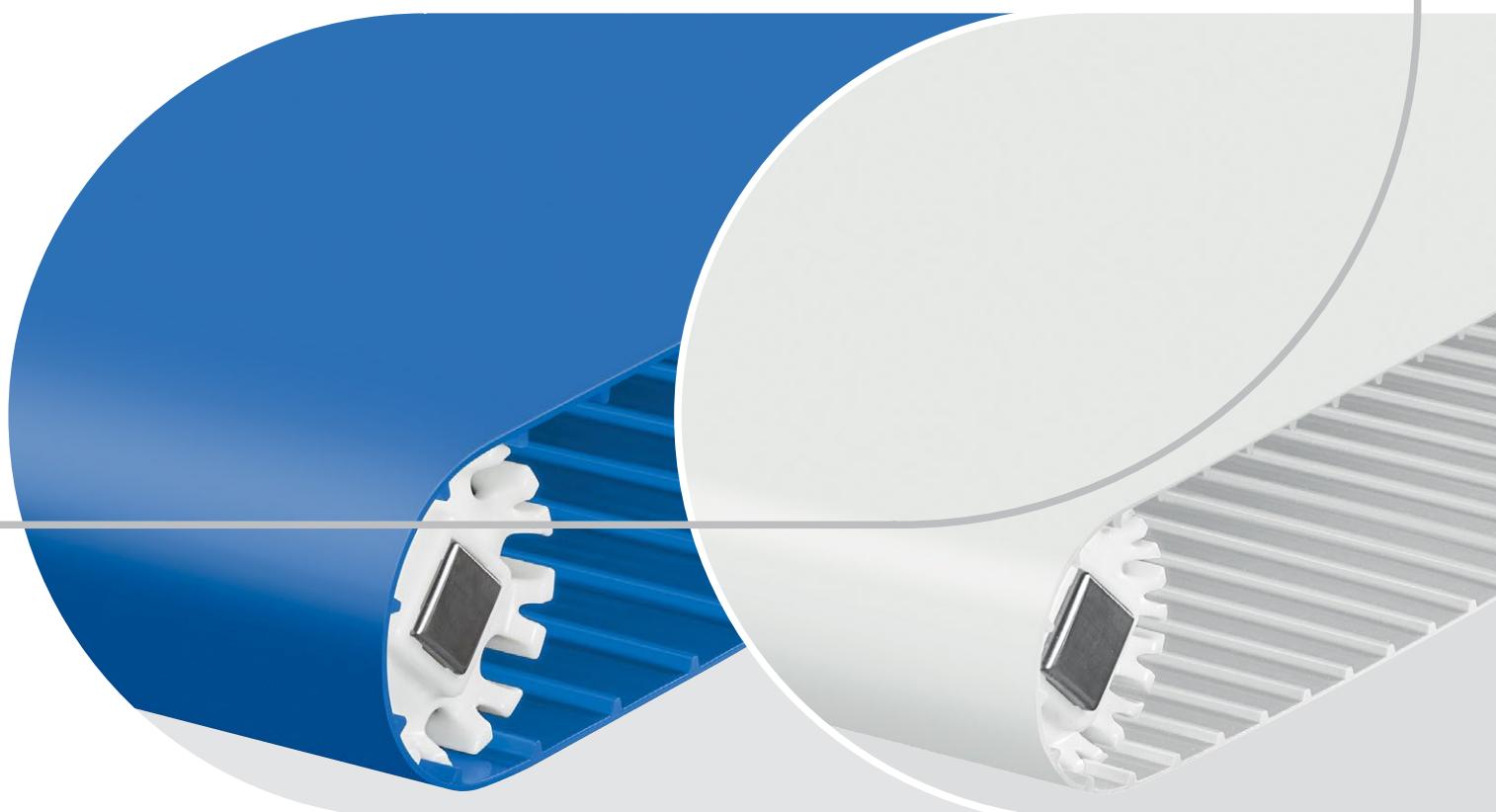


Habasit Cleandrive™

Aramid reinforced monolithic TPU conveyor belts



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Introduction

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.



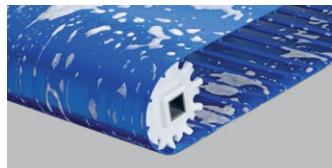
Premium TPU belt material for food safety

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.



Premium TPU belt material:
superior abrasion resistance
and hydrolysis resistance



Cords maintain tension
for reliable sprocket
engagement

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.



Fully extruded monolithic
belt design and hygienic
round corners

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.

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.



Narrow transfers possible

Product Range Overview – Friction drive belts

CD FD3

Colors: cobalt blue and white

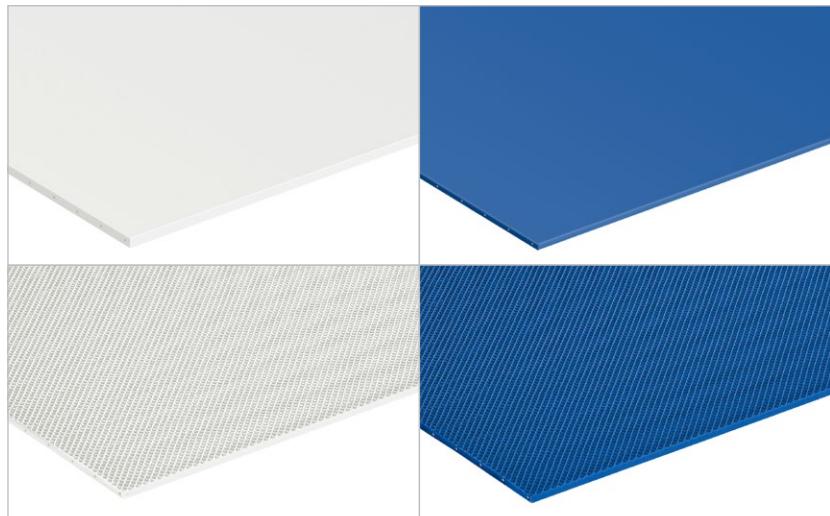
Surface: smooth

Min. diameter = 30 mm / 1.18"

Surface: waffle

Min. diameter = 35 mm / 1.38"

Hygienic alternative
to coated fabric belts



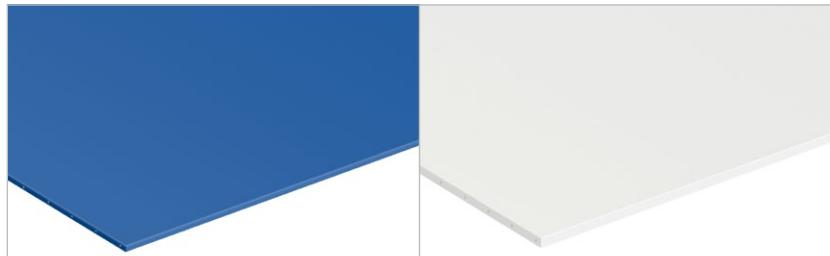
CD FD2

Colors: cobalt blue and white

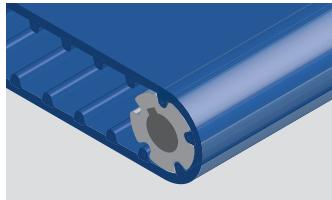
Surface: smooth

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.



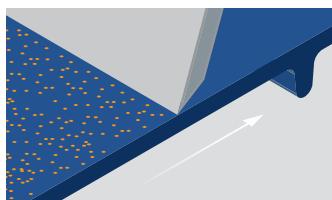
Easy conveyor construction, installation and retrofit

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.



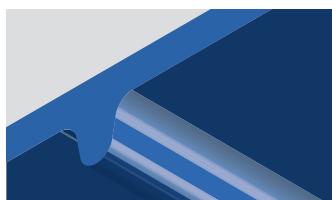
Aramid reinforced design

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



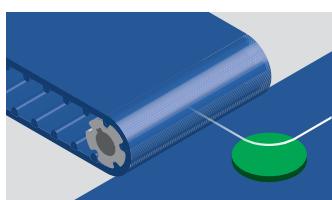
Scraper friendly

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

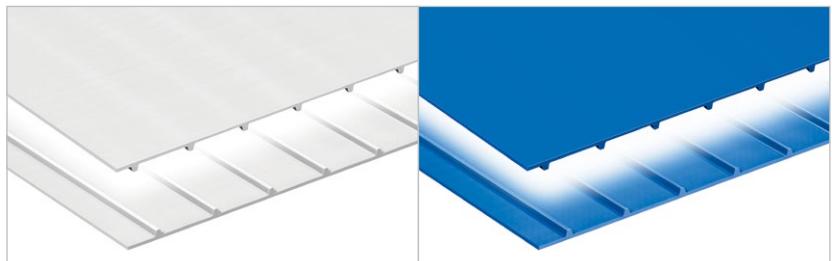
Colors: cobalt blue and white

Surface: smooth

Min. pitch diameter = 80.8 mm / 3.20"

All-purpose conveying

Smallest 2" drive pulley on the market



CD M25

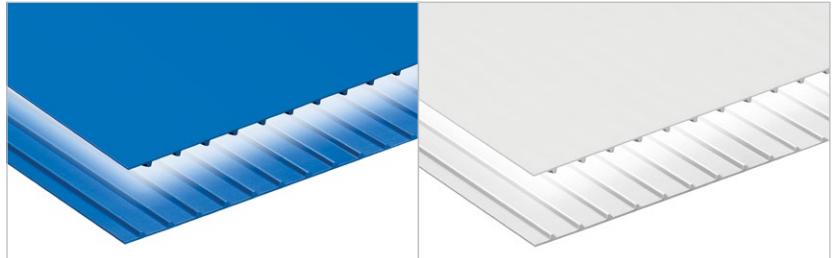
Colors: cobalt blue and white

Surface: smooth

Min. pitch diameter = 60.1 mm / 2.37"

Compact installations

Narrow transfers



CD H5

Colors: cobalt blue and white

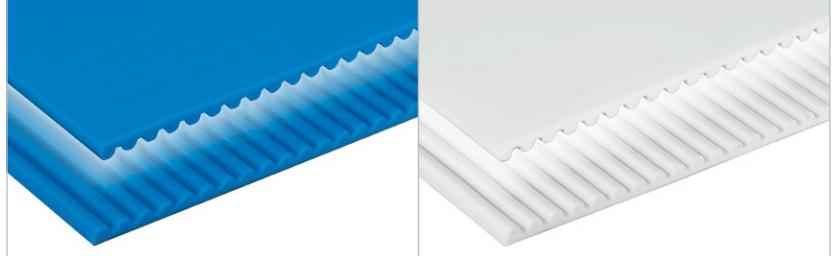
Surface: smooth

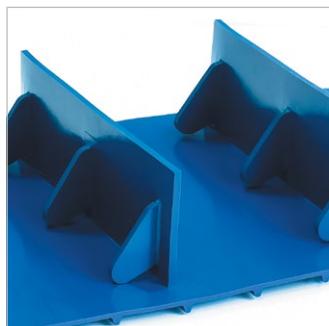
Min. pitch diameter = 60.1 mm / 2.37"

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.



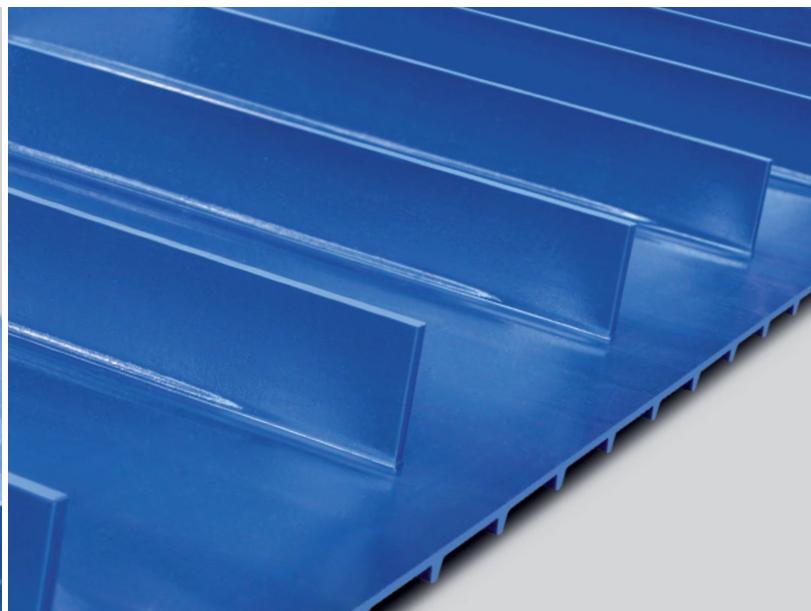
Standard and customized flights

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.

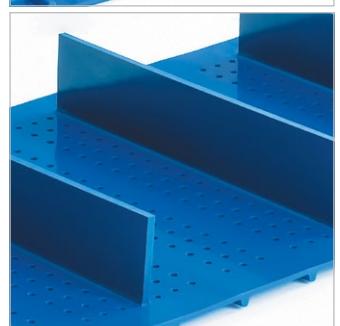


Standard and customized sidewalls

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.



Belt accessories – Profiles / Cleats

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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

Belt accessories – Tracking guides

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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

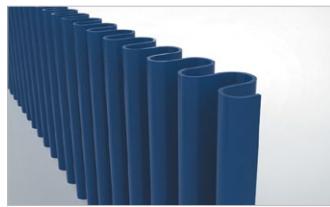


E-PV+NN – Deep notched

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

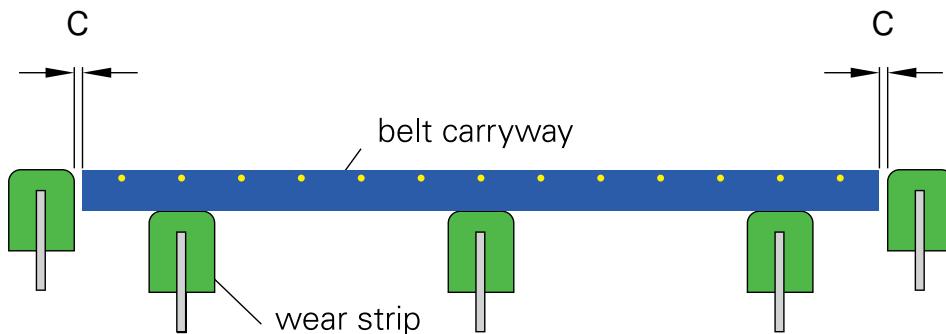
Material	TPU+	TPU+
Hardness	87ShA	87ShA
Color	Cobalt blue	White
Food grade	•	•
Hydrol. Resist.	•	•
Thickness [mm]	Product name	
1.3	E-PL13-HC-B40	E-PL13-HW-B40
2.2	E-FB22-HC-C100	E-FB22-HW-C100

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.

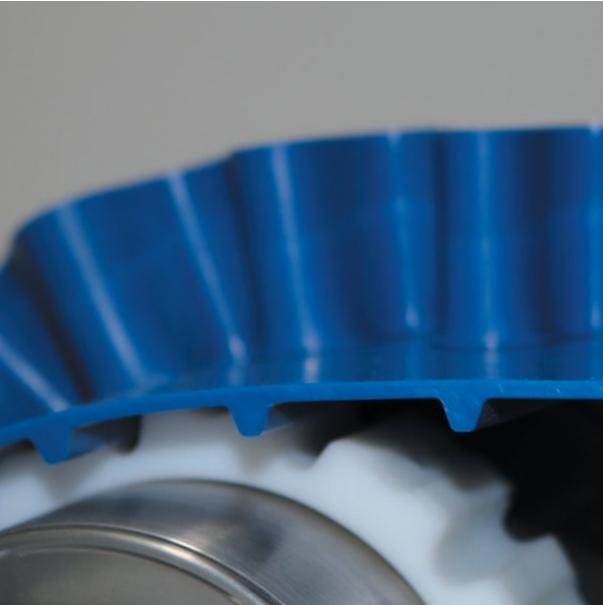
For detailed information and support please contact your local Habasit partner.



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.



Hot-pressing devices – Details

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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			

Hot-pressing devices – Control units

17

	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.

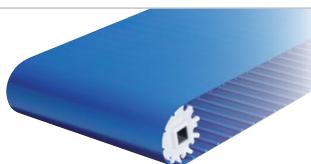


Worldwide leading product range

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



HabaSYNC®
Timing belts



HabaCHAIN®
Chains (slat and
conveyor chains)



HabaDRIVE®
Power transmission belts



Machine tapes



Seamless belts



HabiPLAST™
Profiles, Guides,
Wear strips



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



Fabrication tools
(joining, cutting &
preparing devices)

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