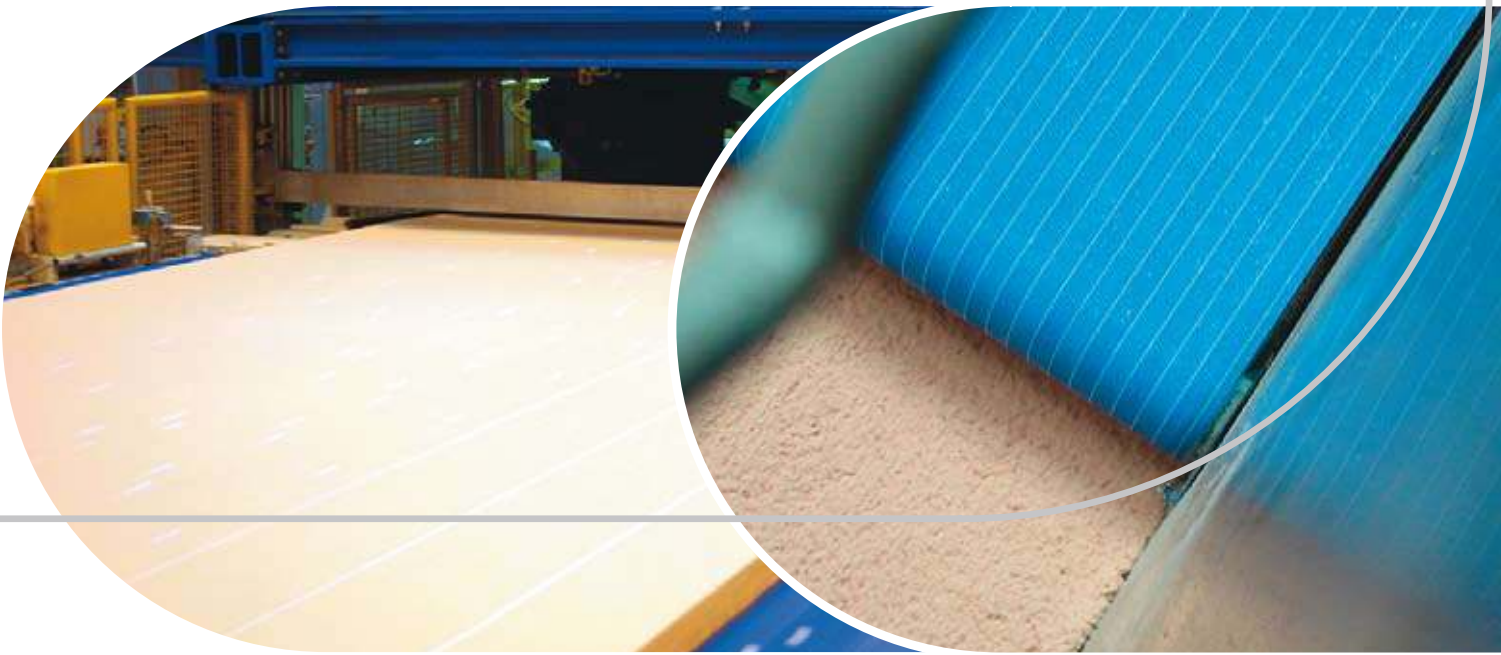


# Wood Industry

## Belts for the Board and Panel Manufacturing

Habasit – Solutions in motion



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**Product liability, application considerations**

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**Solution provider for the wood industry**

Wood processing machines require a wide range of industrial belting. Habasit has developed an adapted range of solutions in power transmission, conveyor and processing belts.

This is why Habasit is able to offer the most suitable belt for every application, from solid wood processing to industrial furniture manufacturing up to production lines of all kinds for engineered wood products such as particle board, MDF/HDF, OSB, plywood and LVL.

Thanks to close co-operation with leading machine manufacturers, suppliers and industry specialists, Habasit has developed and provides a specialized, customer-oriented application range of products and fabrication technology. These are backed by skilled consulting in all areas of wood-based panel manufacturing.

Are you looking for reliable and long-lasting belts with an excellent price-to-value ratio for your wood composite board production line? Habasit products are renowned on the market for their excellent quality and high reliability. They are recommended by leading manufacturers worldwide.

Without any doubt, this fact has a lot to do with the confidence these companies have in Habasit's ability to deliver high quality and competitively priced replacement belts on time anywhere in the world. Habasit fully meets their expectations, and this is confirmed by our outstanding market position in the OEM (Original Equipment Manufacturer) and EU (End User) business.

**Innovation is a key word at Habasit**

Continuous development has led to an extensive variety of solutions, from fabric based conveyor and processing belts to HabasitLINK® plastic modular belts and HabaSYNC® timing belts, enabling our customers to choose the best possible product for their application.

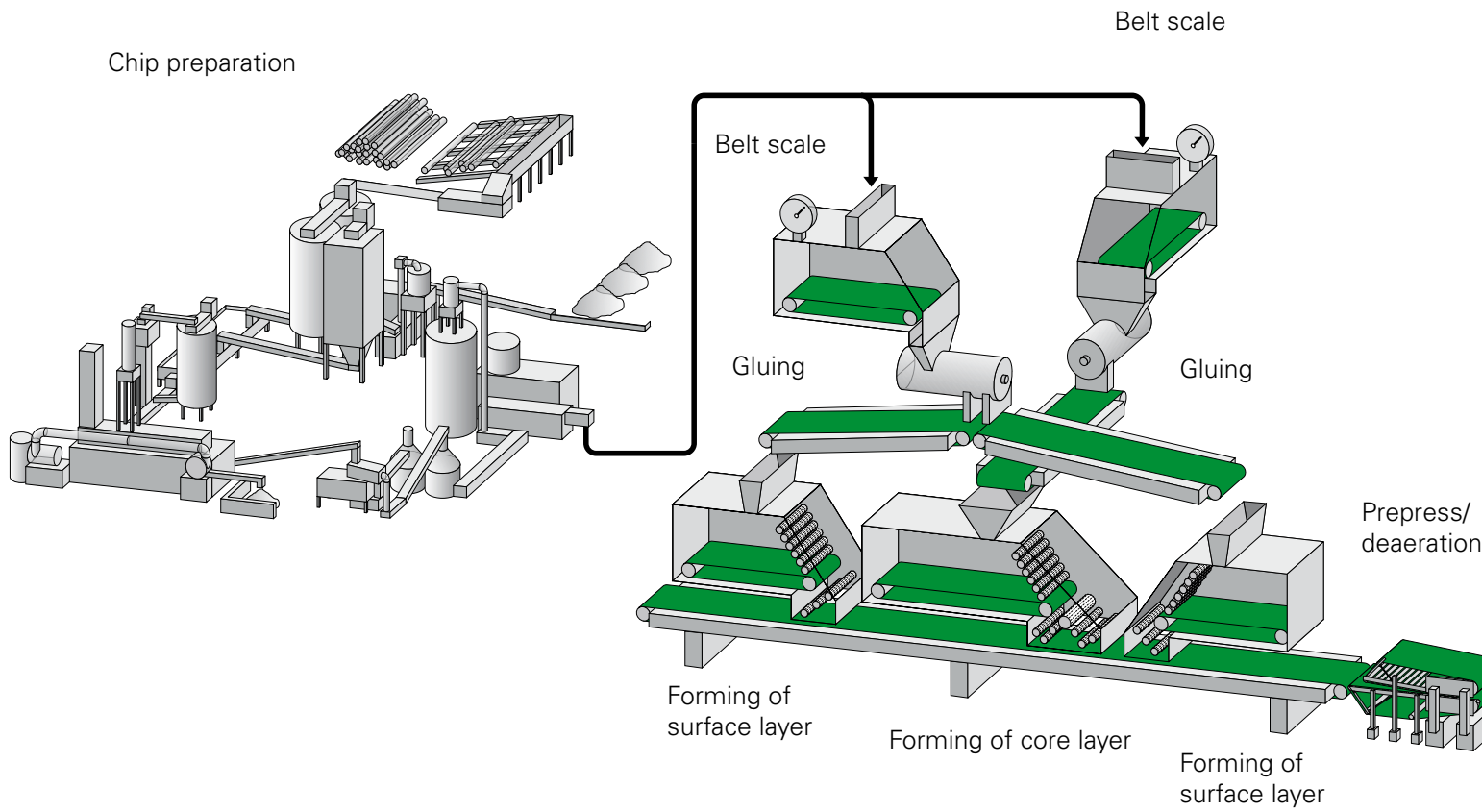
**Competence and experience**

Habasit application engineers, technicians and joining specialists are at your disposal to provide you with professional consulting, superb customer service and excellent support. For more than 60 years, since its foundation in 1946, Habasit has proved that it understands customers' needs. Thanks to its comprehensive global network, Habasit is able to respond to any request that you may have, with nothing less than an outstanding belting solution of top quality tailored to your specific needs.



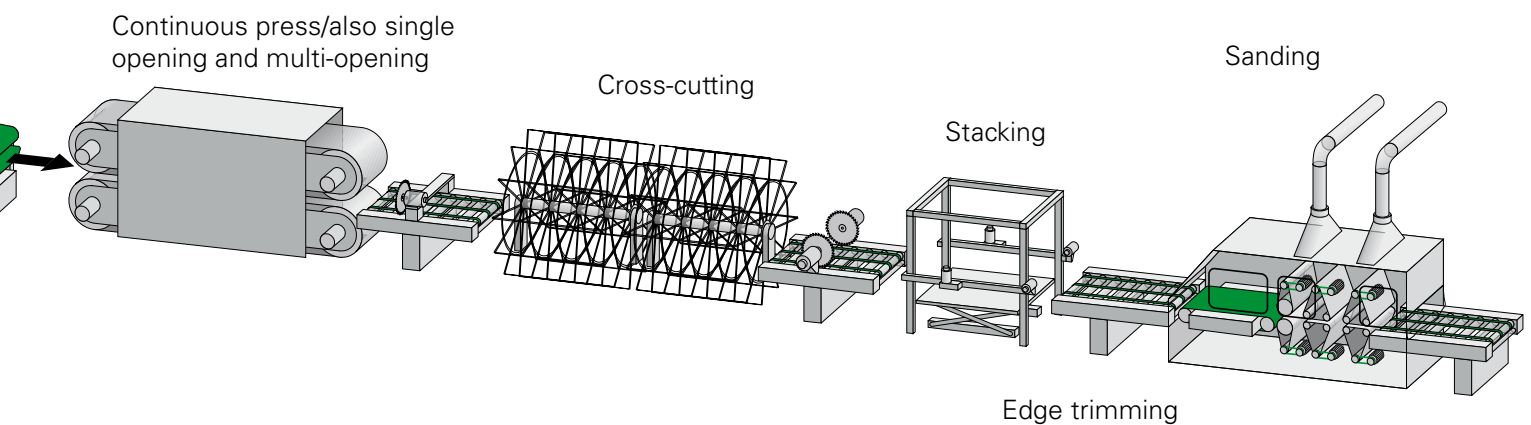


**Particleboard manufacturing**





Habasit offers solutions for:  
PB, MDF/HDF, OSB, Plywood and LVL



**Remark:** The drawings show schematic examples of selected applications/processes. The drawings don't lay claim to completeness. The belt recommendations (use/application/layout) should be considered as a general example only. Due to the complexity of the various processes and technical requirements as well as other 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.

## The right choice

Habasit has developed an extensive variety of solutions that allow customers to choose the best product for their specific application. Habasit is the only belt supplier in the industry to manufacture and offer the full package of belting, conveying, processing and complementary products.

## Driving belts, conveyor and processing

Design/material/co

### HabaDRIVE® Power transmission belts PoPower transmission belts



#### Aramide

- TF-series

#### Polyester

- TC-series
- TCF-series

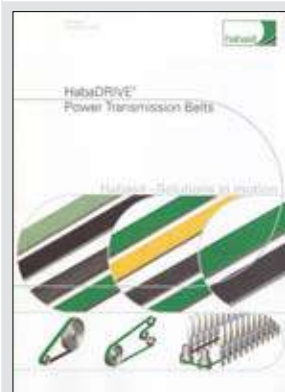
#### Polyamide

- S-series
- F-series
- A-series

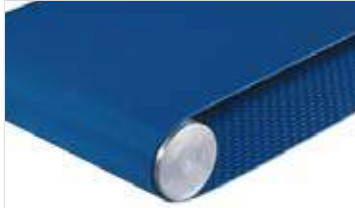
#### Polyurethane round belts

- Polycord®-series

Please consult product brochure 4132 HabaDRIVE® Power Transmission Belts for details/further information



### HabaFLOW® Fabric conveyor and processing belts



High duty conveyor and processing belts

#### TPU coated

#### Fabric covers

#### NBR or EPDM covers

- E... -series
- H... -series
- HAT-series
- HAL-series
- HAR-series
- SAG-series
- F... -series

#### PVC-coated

- N-Line
- Standard Line

#### Nonwoven

- G... -series

Detailed characteristics, belt features and customer benefits can be found after the application overview

### HabasitLINK® & KVP® Plastic modular belts



#### PP (Polypropylene)

#### PE (Polyethylene)

#### POM/AC (Polyoxymethylene/Acetal)

#### PA (Polyamide)

Modular belts are an alternative to fabric based belts predominantly for conveyors, logistics, packaging, warehousing, etc.

Please consult product brochure 4000 HabasitLINK® Plastic Modular Belts or brochure 4178 Product Guide for details/further information



### HabaCHAIN® Slat and conveyor chain



Large variety of plastic materials available:

#### DP Standard POM (Polyoxymethylene)

#### LF Low-friction POM

#### PT Extra low-friction POM

#### TS Extra low-friction/semi-conductive

#### PK Extra wear-resistant

#### EC Electro conductive

#### HT High-temperature resistant

#### WK Extra wear-resistant (Aramid fiber filled)

#### WR Extra wear-resistant

#### PP Chemical resistant, glass fiber reinforced

#### CR Extremely chemical resistant

#### MD Metal-detectable color







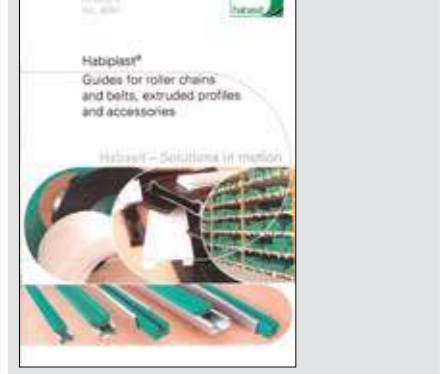
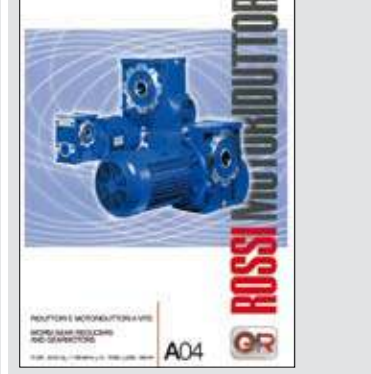
#### FR Flame-retardant

#### MG Patented magnetic

Please consult product brochure 4185 HabaCHAIN® Slat and Conveyor Chain or brochure 4185 Product Guide for details/further information



## belts for the board and panel industry

<p>ns</p> 	<p><b>HabaSYNC®</b> Timing belts</p> 	<p><b>HabiPLAST®</b> Profiles, guides, wear strips</p> 	<p><b>Rossi gearmotors</b></p> 
<p>materials oxymethylene) DM f-lubricating sistant ) (abrasive goods) glass fiber resistant mpound sensitive resin</p>	<p><b>Polyurethane</b> with <b>steel</b> cord tensile member <b>Polyurethane</b> with <b>aramide</b> tensile member <b>Imperial pitch belts</b> (trapezoid) XL, L, H, XH <b>Metric T belts</b> (trapezoid) T5, T10, T20 <b>Metric AT belts</b> (modified trapezoid) AT5, AT10, AT20 All in standard 92 Shore A white TPU <b>Polyamide facings</b> are available on either the tooth side, conveying side, or on both sides</p>	<p><b>PE</b> Polyethylene <b>PA</b> Polyamide <b>POM</b> Polyoxymethylene <b>PET</b> Polyethylene Terephthalate <b>PTFE</b> Polytetrafluorethylene <b>PVC</b> Polyvinylchloride <b>PP</b> Polypropylene</p> <p>HabiPLAST® extruded profiles are the optimal complement for HabaCHAIN® slat and conveyor chains and HabasitLINK® &amp; KVP® modular belts</p>	<p>Habasit's partner Rossi Motoriduttori is one of Europe's largest groups for the production of gear reducers, gearmotors, electronic speed variation and brake motors</p>
<p>rochure 4122 nveyor Chains t Guide for n</p>	<p>Please consult product brochure 4107 HabaSYNC® Timing Belts or brochure 6018 engineering guide for details/further information</p>	<p>Please consult product brochure HabiPLAST® 4097 guides for roller chains and belts, extruded profiles and accessories for details/further information</p>	<p>For detailed information please visit: <a href="http://www.rossi-group.com">www.rossi-group.com</a></p>
			

Belt	PVC coated			
	SNB-12E	SAB-18E	SNB-18E	NAB-8EXDV
<b>Wood fiber/flake preparation</b>				
Flaker/chipper/hammermill drives				
(Wet/dry) bin belts	•	•		•
Transfer line belts	•	•		•
Scale belts				
Shuttle conveyors				•
Bunker bottom belts	•	•	•	
Forming machine			•	
<b>Forming line</b>				
Forming belts	•			
Prepress belts				
Deaeration belts				
Saw table belts	•			
Accelerator belts	•			
Transfer belts	•			
Tipple belts	•			
Preloader belts	•			
Tray loader belts				
Screen return belts				
Trash conveyor belts	•			
<b>Board handling</b>				
Trimming	•	•		•
Cross-cutting	•	•		•
Sanding/calibrating				
Board handling (live roller lines)				
<b>Product construction/design</b>				
Conveying side (material)	PVC	PVC	PVC	PVC
Conveying side (surface)	sand finish	sand finish	sand finish	smooth
Conveying side (property)	non-adhesive	adhesive	non-adhesive	adhesive
Conveying side (color)	anthracite	anthracite	anthracite	dark green
Number of fabrics (plies)	2	2	3	2
<b>Product characteristics</b>				
Permanently antistatic	yes	yes	yes	no
Metal detector suitable	no	no	no	yes
<b>Technical key data</b>				
Thickness (mm/in)	2.50/0.1	4.00/0.16	3.30/0.13	2.00/0.08
Nosebar radius (minimum)(mm/in)	–	–	–	–
Pulley diameter (minimum)(mm/in)	60/2.4	80/3.1	80/3.1	32/1.3
Pulley diameter minimum with counter flection (mm/in)	80/3.1	100/3.9	100/3.9	40/1.6
Tensile force for 1% elongation (k1% static) (N/mm / lbs/in)	16/91	22/126	18/103	8/46
Admissible tensile force per unit of width (N/mm / lbs/in)	20/114	29/166	30/171	8/46
Operating temperature admissible (continuous) C°	-5 / +70	-5 / +70	-5 / +70	-10 / +70
F°	+23 / +158	+23 / +158	+23 / +158	+14 / +158
Seamless manufacturing width (mm/in)	4000/157	2400/94	4000/157	3000/118
<b>Joining</b>				
Flexproof (F) Thermofix (T) Mechanical fastener (M)	F/T/M	F/T/M	F/T/M	M





Belt	TPU coated				
	ENB-8ERCH	EMB-12EMCH	ENB-12ERCH	EMB-20EMCH	ENU-50A
<b>Wood fiber/flake preparation</b>					
Flaker/chipper/hammermill drives					
(Wet/dry) bin belts					
Transfer line belts					
Scale belts	•	•	•	•	
Shuttle conveyors	•	•	•	•	
Bunker bottom belts				•	
Forming machine					
<b>Forming line</b>					
Forming belts	•	•	•	•	
Prepress belts					•
Deaeration belts					
Saw table belts	•	•	•	•	
Accelerator belts	•	•	•	•	
Transfer belts	•	•	•	•	
Tipple belts	•	•	•	•	
Preloader belts	•	•	•	•	
Tray loader belts					
Screen return belts					
Trash conveyor belts					
<b>Board handling</b>					
Trimming	•	•	•	•	
Cross-cutting	•	•	•	•	
Sanding/calibrating					
Board handling (live roller lines)					•
<b>Product construction/design</b>					
Conveying side (material)	TPU	TPU	TPU	TPU	TPU
Conveying side (surface)	smooth	matt	matt	matt	blank/smooth
Conveying side (property)	non-adhesive	med.-adhesive	non-adhesive	med.-adhesive	non-adhesive
Conveying side (color)	cobalt blue	cobalt blue	cobalt blue	cobalt blue	black
Number of fabrics (plies)	2	2	2	2	3
<b>Product characteristics</b>					
Permanently antistatic	yes	yes	yes	yes	yes
Metal detector suitable	yes	yes	yes	yes	no
<b>Technical key data</b>					
Thickness (mm/in)	1.5/0.06	1.70/0.07	1.7/0.07	1.7/0.07	2.30/0.09
Nosebar radius (minimum)(mm/in)	4/0.16	8/0.31	7/0.28	7/0.28	–
Pulley diameter (minimum)(mm/in)	20/0.8	15/0.6	25/1	15/0.6	80/3.1
Pulley diameter minimum with counter flection (mm/in)	30/1.2	40/1.6	40/1.6	40/1.6	80/3.1
Tensile force for 1% elongation (k1% static) (N/mm / lbs/in)	8/46	12/69	12/69	20/114	50/286
Admissible tensile force per unit of width (N/mm / lbs/in)	–	20/114	36/206	36/206	50/286
Operating temperature admissible (continuous) C°	-10 / +70	-30 / +80	-10 / +70	-30 / +80	-15 / +70
F°	-14 / +158	-22 / +176	+14 / +158	-22 / +176	+5 / +158
Seamless manufacturing width (mm/in)	4000/157	4000/157	4000/157	4000/157	4000/157
<b>Joining</b>					
Flexproof (F) Thermofix (T) Mechanical fastener (M)	F	F/T	F	F	F



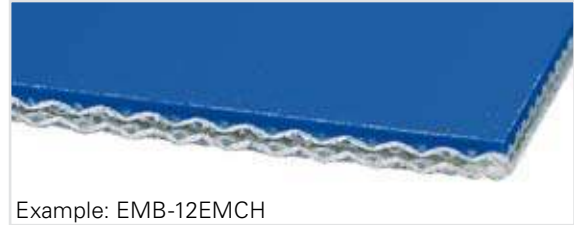
Belt	Fabric			Nonwoven	
	ENR-12EGSL	ENR-12E	ENT-12E	G30/ONNB6E	G35/ONNB6E
<b>Wood fiber/flake preparation</b>					
Flaker/chipper/hammermill drives					
(Wet/dry) bin belts					
Transfer line belts					
Scale belts					
Shuttle conveyors					
Bunker bottom belts					
Forming machine					
<b>Forming line</b>					
Forming belts					
Prepress belts					
Deaeration belts	•	•	•		
Saw table belts					
Accelerator belts					
Transfer belts					
Tipple belts					
Preloader belts					
Tray loader belts					
Screen return belts				•	•
Trash conveyor belts				•	•
<b>Board handling</b>					
Trimming				•	•
Cross-cutting				•	•
Sanding/calibrating					
Board handling (live roller lines)					
<b>Product construction/design</b>					
Conveying side (material)	PET	PET	PET	PET	PET
Conveying side (surface)	fabric	fabric	fabric	impregnated fleece	impregnated fleece
Conveying side (property)	non-adhesive	non-adhesive	non-adhesive	non-adhesive	non-adhesive
Conveying side (color)	sky blue	blue	white	black	black
Number of fabrics (plies)	1	1	1	1	1
<b>Product characteristics</b>					
Permanently antistatic	yes	yes	yes	yes	yes
Metal detector suitable	yes	yes	yes	no	no
<b>Technical key data</b>					
Thickness (mm/in)	1.7/0.067	1.80/0.07	0.85/0.03	4.00/0.16	5.6/0.22
Nosebar radius (minimum) (mm/in)	–	–	–	–	–
Pulley diameter (minimum) (mm/in)	80/3.1	80/3.1	48/1.9	50/2	100/4
Pulley diameter minimum with counter flection (mm/in)	80/3.1	80/3.1	48/1.9	50/2	100/4
Tensile force for 1% elongation (k1% static) (N/mm / lbs/in)	12/69	12/69	12/69	30/171	35/200
Admissible tensile force per unit of width (N/mm / lbs/in)	18/103	18/103	18/103	30/171	35/200
Operating temperature admissible (continuous) C°	-30 / 80	-30 / +80	-30 / +80	-10 / +80	-10 / +80
F°	-22 / +176	-22 / +176	-22 / +176	+14 / +176	+14 / +176
Seamless manufacturing width (mm/in)	3600/142	3600/142	3600/142	2000/79	2000/79
<b>Joining system</b>					
Flexproof (F) Thermofix (T) Mechanical fastener (M)	F/M	F/M	F/M	F/M	F/M



Belt	Power transmission on one side			
	A-4	A-5	TCF-55EL	TF-75TE
<b>Wood fiber/flake preparation</b>				
Flaker/chipper/hammermill drives	•	•	•	•
(Wet/dry) bin belts				
Transfer line belts				
Scale belts				
Shuttle conveyors				
Bunker bottom belts				
Forming machine				
<b>Forming line</b>				
Forming belts				
Prepress belts				
Deaeration belts				
Saw table belts				
Accelerator belts				
Transfer belts				
Tipple belts				
Preloader belts				
Tray loader belts				
Screen return belts				
Trash conveyor belts				
<b>Board handling</b>				
Trimming				
Cross-cutting				
Sanding/calibrating			•	
Board handling (live roller lines)			•	•
<b>Product construction/design</b>				
Friction cover (material)	NBR	NBR	NBR	NBR
Friction cover (surface)	grooved	grooved	grooved	rough structure
Friction cover (color)	black	black	black	black
Traction layer (material)	polyamide (PA)	polyamide (PA)	polyester fabric	aramid
Reverse cover (material)	NBR	NBR	Hamid	Polyester fabric
Reverse cover (surface)	rough structure	rough structure	fine structure	fabric
Reverse cover (color)	green	green	green	white
<b>Product characteristics</b>				
Permanently antistatic	yes	yes	yes	yes
<b>Technical key data</b>				
Thickness (mm/in)	5.0/0.2	6.8/0.27	3.5/0.14	4.4/0.17
Pulley diameter (minimum) (mm/in)	280/11	450/18	150/6	200/8
Pulley diameter minimum with counter flection (mm/in)	280/11	450/18	150/6	200/8
Tensile force for 1% elongation (k1% after running in) (N/mm / lbs/in)	21/120	30/171	25/143	70/400
Nominal peripheral force per unit of width (N/mm / lbs/in)	63/360	92/525	53/303	70/400
Admissible operating temperature (continuous) C°	-20 / +100	-20 / +100	-20 / +70	-20 / +65
F°	-4 / +212	-4 / +212	-4 / +158	-4 / +149
Seamless manufacturing width (mm/in)	1200/47	1200/47	1100/43	1100/43
<b>Joining system</b>				
Flexproof (F) Thermofix (T) Mechanical fastener (M)	T	T	F	F



The Habasit Extraline forming, transfer or accelerator belts have been specifically developed to cope with the requirements of all the belt applications of the forming process. These processing belts are designed to run over live nosebars with high loads and long conveying distances. Their excellent stability and thickness precision over length and width enable manufacturing of very thin boards. The suitability for the use with highly sensitive metal detectors allows to protect the very expensive production equipment.



Example: EMB-12EMCH

	Features	Benefits
	<ul style="list-style-type: none"> <li>• Longitudinal flexibility combined with transversal rigidity</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Suitable for live nosebars at high tensile force</b></li> <li>• <b>Constant running speed with high load over very long distances</b></li> <li>• <b>Perfectly flat laying</b></li> <li>• <b>Excellent tracking properties</b></li> <li>• <b>High production safety</b></li> </ul>
	<ul style="list-style-type: none"> <li>• Suitable for use with highly sensitive metal detectors</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Detection of the smallest metal particles, both magnetic (iron) and non-magnetic (stainless steel)</b></li> <li>• <b>Product and process security</b></li> <li>• <b>Protection of very expensive production equipment</b></li> </ul>
	<ul style="list-style-type: none"> <li>• High chemical and abrasion resistance</li> </ul>	<ul style="list-style-type: none"> <li>• <b>No alteration of the belt surface and its properties by chemicals/ release agents commercially used in the wood-based panel production</b></li> <li>• <b>No sticking/accumulation on the belt</b></li> <li>• <b>Maintenance-free</b></li> <li>• <b>Long belt life</b></li> </ul>
	<ul style="list-style-type: none"> <li>• Permanently antistatic</li> </ul>	<ul style="list-style-type: none"> <li>• <b>No generation of sparks</b></li> <li>• <b>No interference with electronic controls</b></li> <li>• <b>No build up of electrostatic charge</b></li> <li>• <b>No dust nor dirt accumulation</b></li> <li>• <b>High process reliability and safety</b></li> </ul>



The perfect prepressing of the mat is made possible thanks to the high module of elasticity, obtained with the use of both aramide and polyester fabrics, combined with the excellent pressure resistance and compression distribution of the Habasit Extraline prepress belts. Their robust surface with high chemical and mechanical resistance ensures a maintenance-free operation and a long belt life.



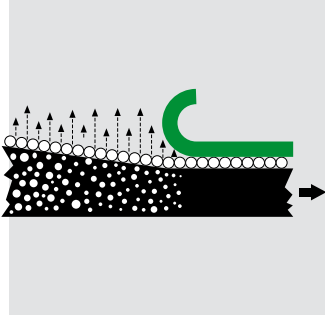
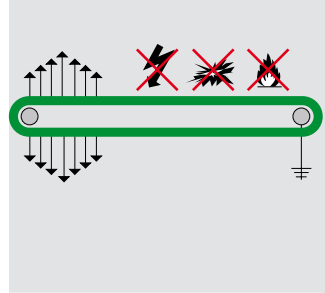
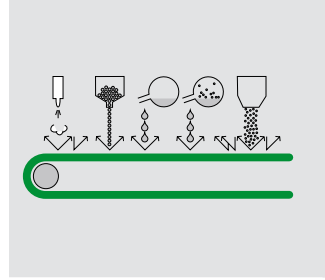
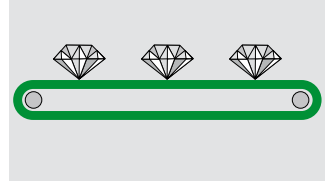
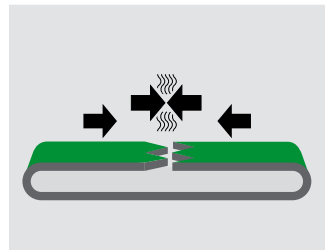
Example: ENA-151AEBH

	Features	Benefits
	<ul style="list-style-type: none"> <li>Abrasion-resistant, homogeneous belt surface</li> </ul>	<ul style="list-style-type: none"> <li><b>Extremely high abrasion resistance</b></li> <li><b>Long service life (service life &gt;10 million continuous m of board)</b></li> </ul>
	<ul style="list-style-type: none"> <li>Permanently antistatic</li> </ul>	<ul style="list-style-type: none"> <li><b>No adhesion of chips and fibers</b></li> <li><b>No sparks by electrostatic charge</b></li> <li><b>Highest production safety</b></li> <li><b>High productivity</b></li> </ul>
	<ul style="list-style-type: none"> <li>High chemical resistance</li> </ul>	<ul style="list-style-type: none"> <li><b>No alteration of the belt due to chemicals involved in the process</b></li> <li><b>No sticking/accumulation on the belt</b></li> <li><b>Maintenance-free</b></li> <li><b>Long belt life</b></li> </ul>
	<ul style="list-style-type: none"> <li>High pressure resistance</li> <li>Excellent distribution of compression</li> </ul>	<ul style="list-style-type: none"> <li><b>Maximum pre-compressing of chip and fibers</b></li> <li><b>Regular pressing of the chip cake</b></li> <li><b>High quality production</b></li> <li><b>High productivity</b></li> </ul>
	<ul style="list-style-type: none"> <li>High modulus of elasticity</li> </ul>	<ul style="list-style-type: none"> <li><b>No retensioning</b></li> <li><b>Maintenance-free operation</b></li> <li><b>No production interruption</b></li> </ul>

The Habasit Extraline deaeration belts for both MDF and particleboard manufacturing are the key to an increased productivity thanks to their high and controlled air flow rates. Their robust construction based on polyester monofilament provides a high chemical and abrasion resistance for a long and maintenance-free belt life. The fast and well prepared Flexproof joining method allows a high strength joining, keeping the production interruption to a minimum.



Example: ENR-12E

	<b>Features</b>	<b>Benefits</b>
	<ul style="list-style-type: none"> <li>• High airflow rate</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Excellent deaeration process</b></li> <li>• <b>Increased density of top layer</b></li> <li>• <b>Increased line speed</b></li> <li>• <b>Less sanding efforts</b></li> <li>• <b>High quality production</b></li> <li>• <b>High productivity</b></li> </ul>
	<ul style="list-style-type: none"> <li>• Permanently antistatic</li> </ul>	<ul style="list-style-type: none"> <li>• <b>No adhesion of chips and fibers</b></li> <li>• <b>No sparks by electrostatic discharge</b></li> <li>• <b>Highest production safety</b></li> <li>• <b>High productivity</b></li> </ul>
	<ul style="list-style-type: none"> <li>• High chemical resistance</li> </ul>	<ul style="list-style-type: none"> <li>• <b>No alteration of the belt due to chemicals involved in the process</b></li> <li>• <b>No sticking/accumulation on the belt</b></li> <li>• <b>Maintenance-free</b></li> <li>• <b>Long belt life</b></li> </ul>
	<ul style="list-style-type: none"> <li>• High abrasion resistance</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Strong monofilament polyester</b></li> <li>• <b>Long service life</b></li> </ul>
	<ul style="list-style-type: none"> <li>• Flexproof joining on site</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Easy handling</b></li> <li>• <b>Fast and well prepared method</b></li> <li>• <b>High flexibility and strength</b></li> <li>• <b>Short production interruptions</b></li> </ul>

Habasit offers a wide range of TPU and PVC coated conveyor belts (High duty, N-Line and Standard). The vast range of different combinations of surface characteristics, structures, traction layers and classes of strength ensure a high performing, reliable and economic solution for all transportation requirements.

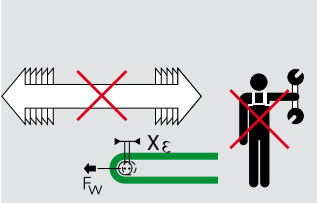
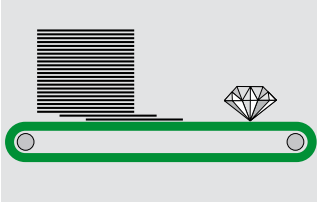
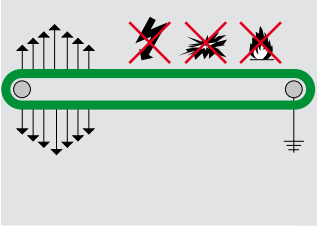
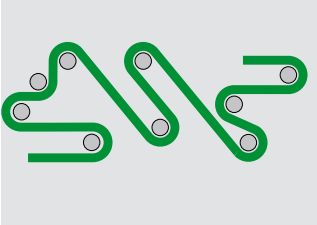
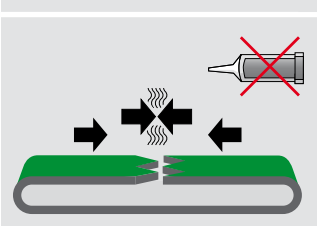


Example: HAG-12E

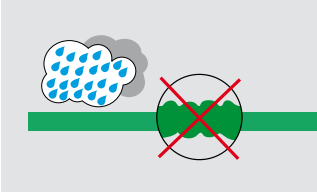
	Features	Benefits
	<ul style="list-style-type: none"> <li>• Wide range of various surface types and structures</li> </ul>	<ul style="list-style-type: none"> <li>• <b>The right conveyor belt for each application</b></li> <li>• <b>Gentle treatment of goods</b></li> <li>• <b>Long belt life</b></li> </ul>
	<ul style="list-style-type: none"> <li>• Permanently antistatic belting available</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Less dust and dirt attraction</b></li> <li>• <b>Process reliability</b></li> <li>• <b>Low maintenance cost</b></li> </ul>
	<ul style="list-style-type: none"> <li>• Stable modulus of elasticity after running-in</li> </ul>	<ul style="list-style-type: none"> <li>• <b>No retensioning, no downtimes</b></li> </ul>
	<ul style="list-style-type: none"> <li>• Various types with optimized covers</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Gentle treatment of goods</b></li> <li>• <b>Reliable conveying properties</b></li> <li>• <b>Excellent abrasion resistance</b></li> </ul>
	<ul style="list-style-type: none"> <li>• Simple and fast joining method</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Easy handling</b></li> <li>• <b>Adhesive-free joint</b></li> <li>• <b>Short machine downtimes</b></li> </ul>

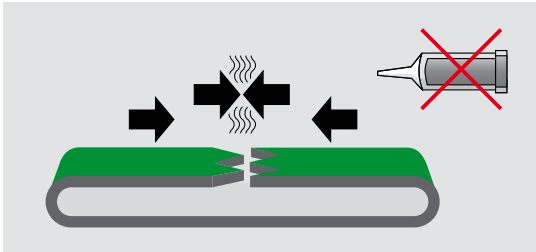
Habasit Aramid-, Polyamide and Polyester power transmission belts are the perfect solution for compact driving configurations, serpentine drives, live roller drives in the downstream, cut to size or T&G (Tongue & Groove) sections. They cope perfectly with reversed bendings and very high speeds. They have an extremely long life and guarantee consistently high power transmission throughout their service life.



	<b>Features</b>	<b>Benefits</b>
	<ul style="list-style-type: none"> <li>• High and stable modulus of elasticity</li> </ul>	<ul style="list-style-type: none"> <li>• <b>High dimensional stability</b></li> <li>• <b>No retensioning, no downtimes</b></li> </ul>
	<ul style="list-style-type: none"> <li>• Forgiving</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Can handle intermittent overloads</b></li> </ul>
	<ul style="list-style-type: none"> <li>• Permanently antistatic</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Less dust and dirt attraction</b></li> <li>• <b>Process reliability</b></li> <li>• <b>Low maintenance cost</b></li> </ul>
	<ul style="list-style-type: none"> <li>• Uniform longitudinal flexibility</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Belt can cope with small pulley diameters, compact design</b></li> <li>• <b>Lower costs</b></li> <li>• <b>Long belt life</b></li> <li>• <b>Easy handling</b></li> </ul>
	<ul style="list-style-type: none"> <li>• Simple and fast joining method</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Minimum equipment needed</b></li> <li>• <b>Short machine downtimes</b></li> </ul>

**Aramid and polyester power transmission belts**

	<ul style="list-style-type: none"> <li>• Low sensitivity to humidity</li> </ul>	<ul style="list-style-type: none"> <li>• <b>High dimensional stability</b></li> <li>• <b>No retensioning, no downtimes</b></li> </ul>
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## Fabrication/joining method

TC- and TF- belt types can be joined with the adhesive-free Flexproof method.

### The Flexproof joining method stands for:

- Simple handling steps
- Fast execution/joining

### The Flexproof joining benefits are:

- Easy handling
- Adhesive-free joint = high belt flexibility
- Minimum equipment needed
- Short machine downtimes

### Tools, fabrication tools and auxiliaries

Offering superior fabrication capabilities is a key element of Habasit's service concept. Fabrication can take place either in the facilities of the belt supplier or on site at the end user. The joining itself can either be made by the customer or by Habasit's on-site service.

These two approaches need different philosophies. Habasit has solutions for both cases: A well adapted range of joining tools/systems and an extensive service network.

## Installation services

### 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 downtime and support efficiently the joining process. Habasit offers zig-zag cutting devices to prepare polyester folder-gluer and power transmission belts. A selection of hot pressing devices to fit your applications and to guarantee optimum quality complement the tool package.

### 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 and bring in the necessary equipment for the required fabrication and installation service.

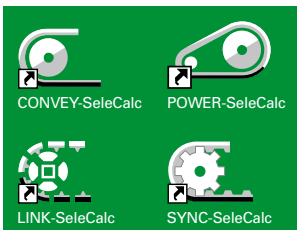
**Comprehensive services are central to Habasit’s belting solution approach.**

**As committed partners to our customers, we are dedicated to sharing our knowledge and to providing full support.**



**Comprehensive consulting and technical support**

Habasit offers the best consulting and technical support on the belting market. Everything revolves around our customers. Each affiliate has its own belting experts. The Habasit team proudly provides the highest levels of support and top quality products enjoyed by the global market for over 60 years.



**Assistance with belt selection and calculation**

We will select and calculate the most suitable belt for your specific application. You also may do this yourself with our state-of-the-art Habasit selection and calculation program “SeleCalc”. To order this program free of charge, simply call your nearest Habasit partner or contact: [info@habasit.com](mailto:info@habasit.com).



**Fabrication, assembly and local installation services for quick reaction times**

We make belts endless or assemble modular belts or chains, either at our own locations or on-site directly on your machine or system. Habasit operates 33 affiliated companies worldwide, each with its own inventory, fabrication, assembly and service facilities. Together with our representative offices and numerous qualified distributors, we can react quickly, competently and reliably to satisfy all your demands.



**Customer training programs**

Habasit offers training programs and provides support tools to ensure optimal use of our products and to prolong their lifecycles. Training on fabrication, installation, assembly, maintenance and belt repair takes place at Habasit sites or at your location.



**Belt monitoring, inspections, analyses and process optimization proposals**

We organize and handle belt maintenance, inspections, analyses and surveys for your locations. On request we will also work with you to develop optimization proposals, e.g. to achieve added value from the machinery or process output.



**Design assistance for customized solutions**

Habasit believes in partnership. Our engineering team will work closely with your engineers on joint design developments, preferably from a very early stage. We particularly recommend this for projects involving new technologies or large-scale modifications and adaptations.

**At Habasit, we listen to our customers, innovate continuously and deliver reliable solutions to meet your every need.**

### Customers come first

At Habasit we understand that our success depends on your success. This is why we offer solutions, not just products; partnership, not just sales.

Since our foundation in 1946, Habasit has brought this understanding of customer needs to life every day and for every application. That's why we're the No. 1 in belting today. Worldwide.



### Committed to innovation

Habasit is strongly committed to the continuous development of innovative, value-added solutions. Over 3% of our staff are dedicated exclusively to R&D, and our annual investment in this area exceeds 8% of turnover.



### 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 9001:2000.



### 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.

A selection of our product ranges:



**HabaFLOW®**  
Fabric based conveyor and processing belts



**HabasitLINK® & KVP®**  
Plastic modular belts



**HabaDRIVE®**  
Power transmission belts



**HabaSYNC®**  
Timing belts



**HabaCHAIN®**  
Chains (slat and conveyor chains)



**HabiPLAST®**  
Profiles, guides, wear strips



Machine tapes



Seamless belts



Round belts



Fabrication tools (joining tools)



Gear reducers, gearmotors, motion control



Electric motors

### Worldwide support

Our extensive organization is ready 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.

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