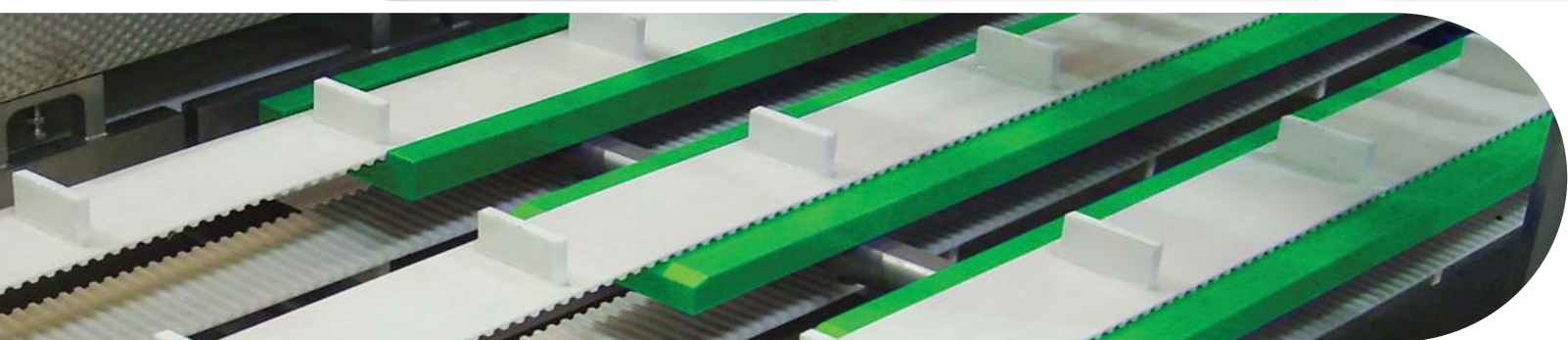


HabaSYNC® Timing Belt Accessories

Habasit – Solutions in motion

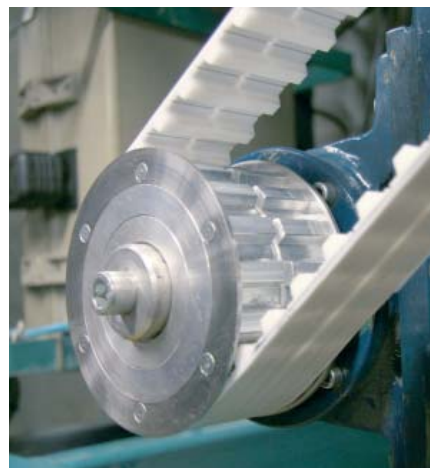
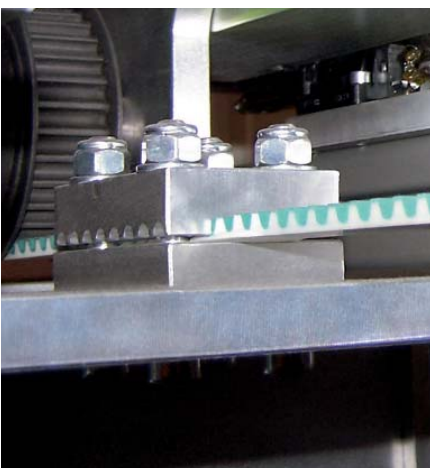
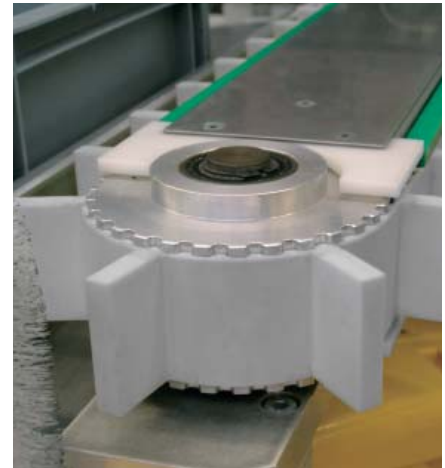
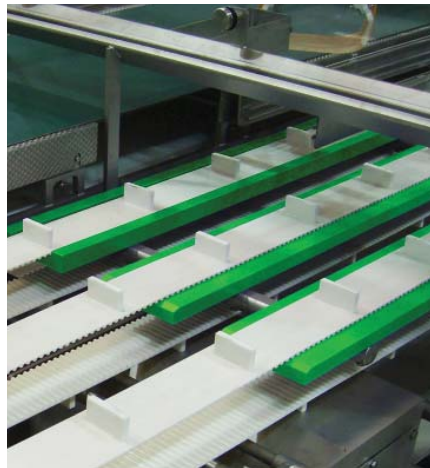


The demand for timing belts continues to grow as new industrial applications rely on the need for accurate synchronization for indexing, timing and exact product placement.

Solutions to these applications are created when knowledge and capabilities intersect. At Habasit, we draw on the knowledge and expertise we have accumulated from across all the products we produce to be your partner in design and someone you can count on for your belt, pulley, guides and clamp needs.

Whether your application is conveying, linear positioning or power transmission we can help.

Whether your project is at start up or production, Habasit sales engineers and technical support personnel can assist to insure you are getting the right pulley, clamp or guide package for your timing belt application.



Habasit can provide the belt and matching pulley system assuring you the quality standards you need for effective smooth belt tooth/pulley entry and exit in single direction or bi-directional applications.

Made to order pulleys are offered in the following pitches:

T Series	AT Series	Imperial	HTD Series
T5	AT5	XL	5M
T10	AT10	L	8M
T20	AT20	H	14M
		XH	



Types of pulleys:

- No flange; no hub
- Flanges; with hub
- Bar stock
- No flange; with hub
- Flanges; no hub
- Custom

Habasit pulleys with the following features can be provided:

- Pulley with pilot bore only
- Bolted on flanges
- Keyways
- Counterbores
- Mounting holes
- Self tracking grooves
- Single, double or no flanges
- Set screws
- Lightening holes
- Hubs

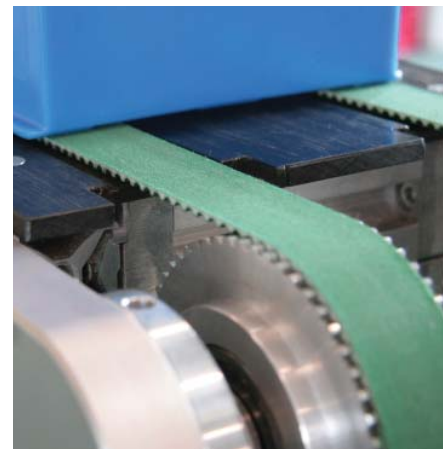


Pulley materials and finishes:

Available finishes	Aluminum	Steel	Stainless Steel
Clear anodize	X		No coatings Applied to stainless steel
Black anodize	X		
Hardcoat anodize	X		
Electroless nickel	X	X	
Clear zinc		X	
Black oxide		X	
Black zinc		X	



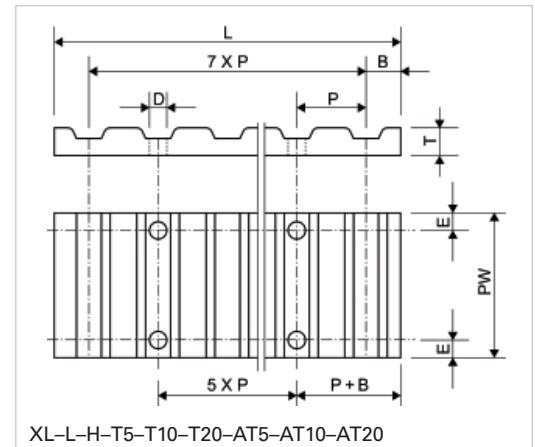
Tooth Profile	Min. # of Teeth	Max. # of Teeth	Type	Common Use
XL	10	114	Standard	Conveying
L	10	84	Standard	Conveying
H	14	63	Standard	Conveying
XH	20	36	Standard	Conveying
T5	10 (10)	114 (55)	Standard (zero backlash)	Conveying
T10	12 (21)	80 (50)	Standard (zero backlash)	Conveying
T20	15	45	Standard	Conveying
AT5	15 (15)	119 (114)	Standard (zero backlash)	Conveying and linear positioning
AT10	12 (12)	79 (79)	Standard (zero backlash)	Conveying and linear positioning
AT20	15	40	Standard	Conveying and linear positioning
HTD5	13	160	Standard	Conveying
HTD8	19	100	Standard	Conveying
HTD14	28	45	Standard	Conveying and linear positioning



Clamping plates – an alternative joining method

For use in applications where the belt moves in a bi-directional fashion. In this type of application, the belt joint never rotates around the pulley. It simply moves backwards and forwards.

Clamps are usually made out of aluminium. The graph and data tables show design insight with all the data needed for the manufacturing of clamping plates in the HabaSYNC® pitches offered.



Clamping plates

Pitch	E (in)	D (in)	B (in)	L (in)	T (in)
XL (0.200")	0.24	0.22	0.14	1.67	0.31
L (0.375")	0.31	0.35	0.2	3.02	0.59
H (0.500")	0.39	0.43	0.35	4.21	0.87

Pitch	E (mm)	D (mm)	B (mm)	L (mm)	T (mm)
T5 (5 mm)	6	5.5	3.2	41.8	8
T10 (10 mm)	8	9	5	80	15
T20 (20 mm)	10	11	10	160	20
AT5 (5 mm)	6	5.5	3.2	41.8	8
AT10 (10 mm)	8	9	5	80	15
AT20 (20 mm)	10	11	10	60	20
HTD5	6	5.5	3.25	41.8	8
HTD8	8	9	5	66	15
HTD14	10	11	9	116	22



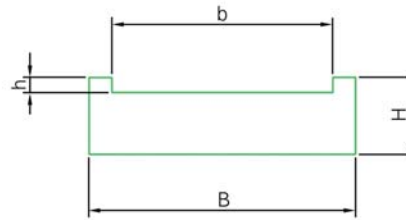
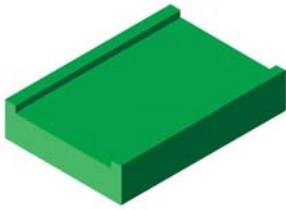
Plate widths (PW)

Belt width in inches	0.25	0.375	0.500	0.750	1.000	1.500	2.000	3.000	4.000
XL Plate width (in)	-	1.12	-	-	-	-	-	-	-
L Plate width (in)	-	-	1.54	1.77	2.03	1.37	3.03	-	-
H Plate width (in)	-	-	1.77	2.00	2.26	2.75	3.26	4.25	5.27

Belt width in mm	25	50	75	100
T5 Plate width	44	-	-	-
T10 Plate width	50	75	100	125
T20 Plate width	56	81	106	132
AT5 Plate width	44	-	-	-
AT10 Plate width	50	75	100	125
AT20 Plate width	56	81	106	132



Belt width in mm	10	15	20	25	30	50	55	3.000
HTD5	-	34	-	44	-	-	-	-
HTD8	35	40	45	50	55	75	-	-
HTD14	-	-	-	56	-	-	3.26	86



Imperial F Type Guides

Belt profile L	Belt profile H	B (in.)	b (in.)	H (in.)	h (in.)
1	1	1.36	1.05	0.60	0.12
1.5		1.85	1.54	0.60	0.12
2	2	2.36	2.05	0.79	0.12
3	3	3.38	3.07	0.79	0.12

Metric F Type Guides T5 and AT5

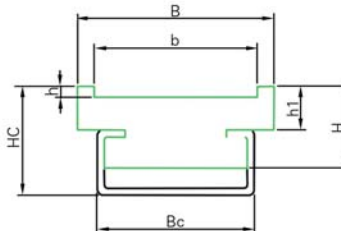
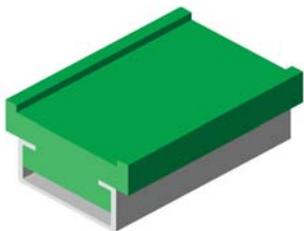
Belt profile T5	Belt profile AT5	B (mm)	b (mm)	H (mm)	h (mm)
25	25	34	26	10	1.8 (AT5 - 2.2)
32	32	41	33	10	1.8 (AT5 - 2.2)

Metric F Type Guides T20 and AT20

Belt profile T20	Belt profile AT20	B (mm)	b (mm)	H (mm)	h (mm)
25	25	34	26	20	7
32	32	41	33	20	7
50	50	59	51	20	7

Metric F Type Guides T10 and AT10

Belt profile T10	Belt profile AT10	B (mm)	b (mm)	H (mm)	h (mm)
25	25	34	26	15	3.8
32	32	41	33	15	3.8
50	50	59	51	15	3.8
75	75	84	76	15	3.8
100	100	109	101	15	3.8



Imperial FC Type Guides

Belt profile L	Belt profile H	B (in.)	Bc	b	Hc	H	h1	h	Metallic Profile Type
1	1	1.36	1.11	1.05	0.83	0.67	0.35	0.12 (H=0.15)	C-5
1.5		1.85	1.50	1.54	1.06	0.87	0.35	0.12	C-9
2	2	2.36	1.50	2.05	1.06	0.87	0.35	0.12 (H=0.15)	C-9

Metric FC Type Guides T5 and AT5

Belt profile T5	Belt profile AT5	B (in.)	Bc	b	Hc	H	h1	h	Metallic Profile Type
25	25	34	28	26	19	15	7	1.8 (AT5=2.2)	C-5
32	32	41	38	33	25	20	7	1.8 (AT5=2.2)	C-9

Metric FC Type Guides T10 and AT10

Belt profile T10	Belt profile AT10	B (in.)	Bc	b	Hc	H	h1	h	Metallic Profile Type
25	25	34	28	26	21	17	9	3.8	C-5
32	32	41	38	33	27	22	9	3.8	C-9
50	50	59	38	51	27	22	9	3.8	C-9

Metric FC Type Guides T20 and AT20

Belt profile T20	Belt profile AT20	B (in.)	Bc	b	Hc	H	h1	h	Metallic Profile Type
25	25	34	28	26	24	20	12	7	C-5
32	32	41	38	33	30	25	12	7	C-9
50	50	59	38	51	30	25	12	7	C-9



Customers 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. Learn more on www.habasit.com

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.

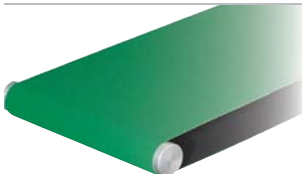
Certified for quality

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

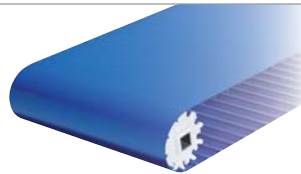
Habasit offers the largest selection of belting, conveying, processing and complementary products in the industry. Our response to any request is nothing less than a specific, tailor-made solution.



Fabric based conveyor and processing belts
HabaFLOW®



Plastic modular belts
HabasitLINK® /KVP®



Positive drive conveyor and processing belts
Habasit Cleandrive™



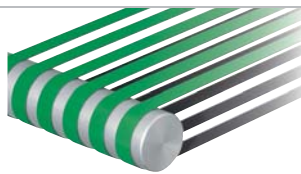
Power transmission belts
HabaDRIVE®



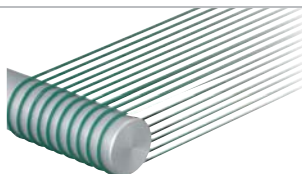
Timing belts
HabaSYNC®



Chains (slat and conveyor chains)
HabaCHAIN®



Machine tapes



Round belts



Seamless belts



Profiles, Guides, Wear strips



Fabrication tools (joining tools)



Gearmotors Electric motors

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. zo.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: +65 686 255 66
www.habasit.com.sg

Spain

Habasit Hispanica S.A.,
Barberà del Vallès
Phone: +34 937 191 912
www.habasit.es

Sweden

Habesit 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 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.

Habasit America
805 Satellite Boulevard
Suwanee, GA
Phone (800) 458-6431
Fax (800) 422-2748
E-mail info.america@us.habasit.com
www.habasitamerica.com