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Products
Media No. 4122



HabaCHAIN® Slat and Conveyor Chains

Product Overview

Habasit–Solutions in motion



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Flexible chain solutions tailored to your needs

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The HabaCHAIN® product line

The HabaCHAIN® product line is designed, produced and serviced by a worldwide leader in conveyor belting – Habasit. HabaCHAIN® products offer world class quality and innovation combined with excellent reliability and cost efficiency.

HabaCHAIN® products are available in straight running and side-flexing versions. HabaCHAIN® is completely compatible with industry standards which allows for easy retrofits without conveyor modifications.

HabaCHAIN® products are available in a wide variety of problem solving materials such as, low friction, enhanced chemical resistance, anti-static, high temperature and magnetic.

Industries served

- Beverage • Canning • Bakery • Snack foods
- Meat - poultry - fish • Packaging • Dairy
- Electronics • Pharmaceuticals • Automotive
- Materials handling • Cardboard • Tissue • Textiles

Your solutions partner

Habasit is committed to understanding your design parameters and application needs. After reviewing your requirements, our engineering staff will suggest the best solution for each application.

Global expertise

With over 60 years of experience, the widest and most innovative product range, and an extensive global network, Habasit is the undisputed No. 1 in belting worldwide. We are dedicated to meeting your needs for innovative, high-quality, and perfectly serviced chain solutions.



Application table

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Applications	Slat top chains plastic	Slat top chains steel	Low back pressure chains LBP	Snap-on chains	Flexi chains	Case chains	Multiflex chains
Beverage	•	•	•	•		•	•
Canning	•	•	•	•		•	•
Bakery	•	•	•	•		•	
Snack foods	•		•			•	
Meat	•	•				•	
Poultry	•	•				•	
Fish	•	•				•	
Packaging	•	•	•	•	•	•	•
Dairy	•	•	•	•		•	•
Electronics	•				•		
Pharmaceuticals	•		•		•	•	
Automotive	•	•	•	•	•	•	•
Materials handling	•	•	•	•	•	•	•
Cardboard	•		•	•		•	
Tissue	•		•	•		•	•
Textiles	•					•	•

 For detailed material and belt selection please contact your local Habasit partner: www.habasit.com

Your benefits at a glance

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Features and benefits



Key features	Your benefits
• High tensile strength	→ Less downtime, maximize conveyor line layouts
• Low friction materials	→ Excellent for high speed applications
• Bevel edges	→ Product stability over multiple strand conveyance
• High friction inserts	→ Unique product conveying solutions
• Wide range of specialty materials	→ Total coverage for all your application needs

Innovative patented products



We offer	You get
• Multi-hub sprockets and idler design	→ Unique design concept allows for separating the tooth segment from the hub/bore insert → This provides flexibility to optimize inventory while reducing carrying cost
• 7100 chain design	→ Increased versatility through a two-piece chain
• Low-backline pressure (LBP) solution	→ Reduced back pressure → Noise reduction → Better load stability → Reduced vibration.
• Insert of special sliding block for LBPs in place of the intermediate shaft	→ Better stability → Noise reduction → Low product residual push
• Unique magnetic solution for improved tracking	→ Noise reduction → Better cleanability

Product overview

Slat top chains – Low back pressure chains

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Slat Top chains (plastic)



770T (radius)



820 (straight)



821 (straight)



828 (straight)



831 (straight)



879B (radius)



879T (radius)



880B (radius)



880LJ (radius)



880J (radius)



880T (radius)



880M (radius)



882B (radius)



882T (radius)



882TG (radius)



890T (radius)



1061M (radius)



1061T (radius)

Low back pressure chains LBP



LBP 821 (straight)



LBP 821 SB (straight)



LBP 882T (radius)



LBP 882T SB (radius)

Slat Top chains (steel)



800 (straight)



810 (straight)



881B (radius)



881T (radius)

Product overview

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Flexi chains – snap-on chains – multiflex chains

Flexi chains



7100HA

Snap-on chains



843 (straight)



843C (straight)



863 (straight)



863T (straight)



963 (straight)



963T (straight)



1843T (radius)



1873T (radius)



1873T+T (straight)



1873+D1 (radius)



1873+L4 (radius)



1874T (radius)



3873T (radius)

Multiflex chains



1700 (radius)



1701T (radius)



1702 (radius)

Product overview

Case chains

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Case chains



40P (straight)



60P (straight)



600 (radius)



601 (radius)



610T (radius)



611T (radius)



611TE (radius)



1100 (straight)



1110T (radius)



1150 (straight)



1151T (radius)



1200 (straight)



1201AB (straight)



1210T (radius)



1211TB (radius)



1250 (straight)



1251T (radius)



1400 (radius)



1410T (radius)



3200 (straight)



3210T (radius)



NH78 (radius)

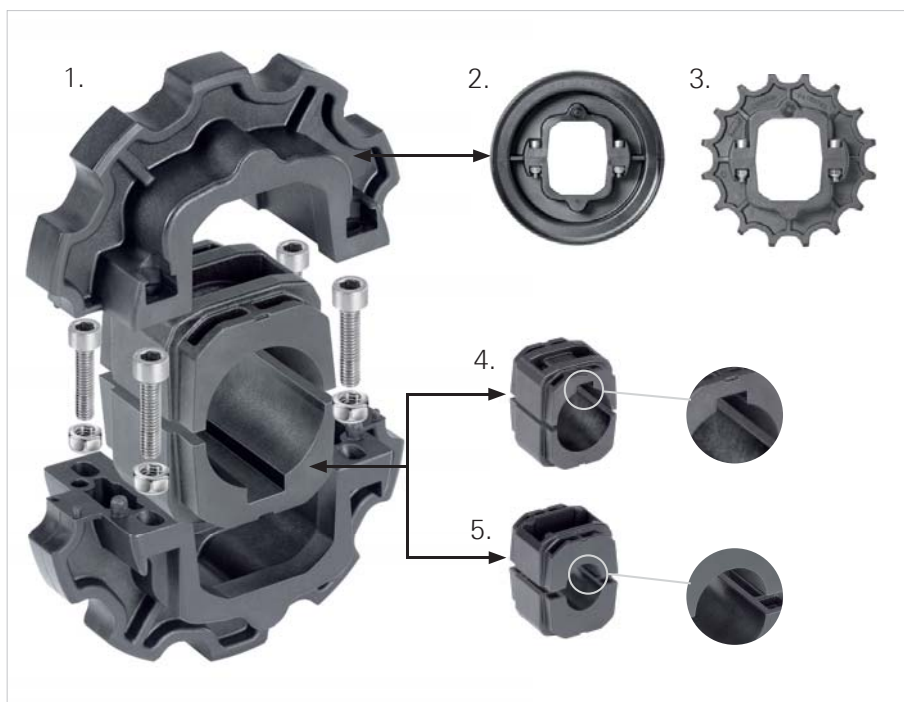
Sprockets

The Multi-Hub sprocket design

Multi-Hub

Habasit's Patented Multi-Hub Split Sprocket and Split Idler Wheel design allows customers the flexibility to interchange sprocket tooth and idler rims with a wide variety of hub inserts. They are available with various bore sizes and configurations which provides flexibility to optimize inventory while reducing carrying cost.

1. Complete Multi-Hub split sprocket
2. Interchangeable Multi-Hub split idler wheel rim
3. Interchangeable Multi-Hub split sprocket tooth rim
4. Interchangeable Multi-Hub insert with round bore, keyway and setscrew for drive sprocket applications
5. Interchangeable Multi-Hub insert with plain round bore for idler sprocket applications



Multi-Hub inserts for idler and drive application



For round shafts Ø		For square shafts (width/height)	
mm	inch	mm	inch
25	1	40	1.5
30	1 3/16		
35	1.25		
40	1 7/16		
	1.5		

Retainer rings









For round shafts Ø		For square shafts (width/height)	
mm	inch	mm	inch
20	1	25	1
25	1 3/16	40	1.5
30			
40			

Sprockets, idlers, and inserts

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Multi-Hub sprockets and idlers

	Type	Number of teeth	Suitable for chains
	Multi-Hub 820 idler rims	21 23 25	Slat Top plastic: 820, 828, 831, 879B, 880B, 880J, 880LJ, 880M, 1061M Slat Top steel: 810, 881B
	Multi-Hub 820 sprocket rims	21 23 25	Slat Top plastic: 820, 831 Slat Top steel: 810
	Multi-Hub 821 sprocket rims	25	Slat Top plastic: 821 Slat Top steel: 800 LBP: 821
	Multi-Hub 880 sprocket rims	10 12	Slat Top plastic: 828, 879, 880, 890
	Multi-Hub 881 sprocket rims	25	Slat Top steel: 881 LBP: 821
	Multi-Hub 882 sprocket rims	12	Slat Top plastic: 882 LBP: 882

Sprockets and idlers

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Solid sprockets and idlers

	Type	Number of teeth	Suitable for chains
	Solid idler series 810	19, 21, 23, 25, 27	Slat Top plastic: 820, 828, 831, 879B, 880J, 880LJ, 880M, 1061M Slat Top steel: 810, 881B
	Solid idler series 7100	16, 21	Flexi chain: 7100
	Solid sprocket series 600	6, 8, 10, 12, 14	Case chain: 600
	Solid sprocket series 810	19, 21, 23, 25, 27, 31	Slat Top steel: 810
	Solid sprocket series 820	17, 19, 21, 23, 25, 27, 31	Slat Top plastic: 820, 831 Slat Top steel: 810
	Solid sprocket series 821	19, 21, 23, 25, 27, 29, 31	Slat Top plastic: 821 Slat Top steel: 800 LBP: 821
	Solid sprocket series 880	9, 10, 11, 12, 13, 14, 15	Slat Top plastic: 828, 879, 880, 890
	Solid sprocket series 881	19, 21, 23, 25, 27, 31	Slat Top steel: 881
	Solid sprocket series 882	9, 10, 11, 12, 13, 14, 15	Slat Top plastic: 882 LBP: 882
	Solid sprocket series 1100	7, 9, 10, 11, 12, 14, 15, 16, 17, 19	Case chain: 1100

Sprockets

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Solid sprockets

	Type	Number of teeth	Suitable for chains
	Solid sprocket series 1150	7, 9, 10, 12, 14, 15, 16, 17	Case chain: 1150
	Solid sprocket series 1200	8 12 15 17	Case chain: 1200, 3200
	Solid sprocket series 1250	8 12 15 17	Case chain: 1250
	Solid sprocket series 1400	6 8 10	Case chain: 1400
	Solid sprocket series 1700	8 10 12 13	Multiflex chain: 1700
	Solid sprocket series 3200	8, 10, 12, 15, 17, 19	Case chain: 3200
	Solid sprocket series 7100	12 16	Flexi chain: 7100
	Solid sprocket series NH78	6 8 10	Case chain: NH78

Snap-on chains

These use:

- Standard ANSI 40-1 roller chain sprockets from any supplier for 0.5" base chains (08A-1), suitable for 843, and 1843 series
- Standard ANSI 60-1 roller chain sprockets from any supplier for 0.75" base chains (12A-1), suitable for 863, 963, 1873, 1874, 2873, and 3873 series

Case chains

These use:

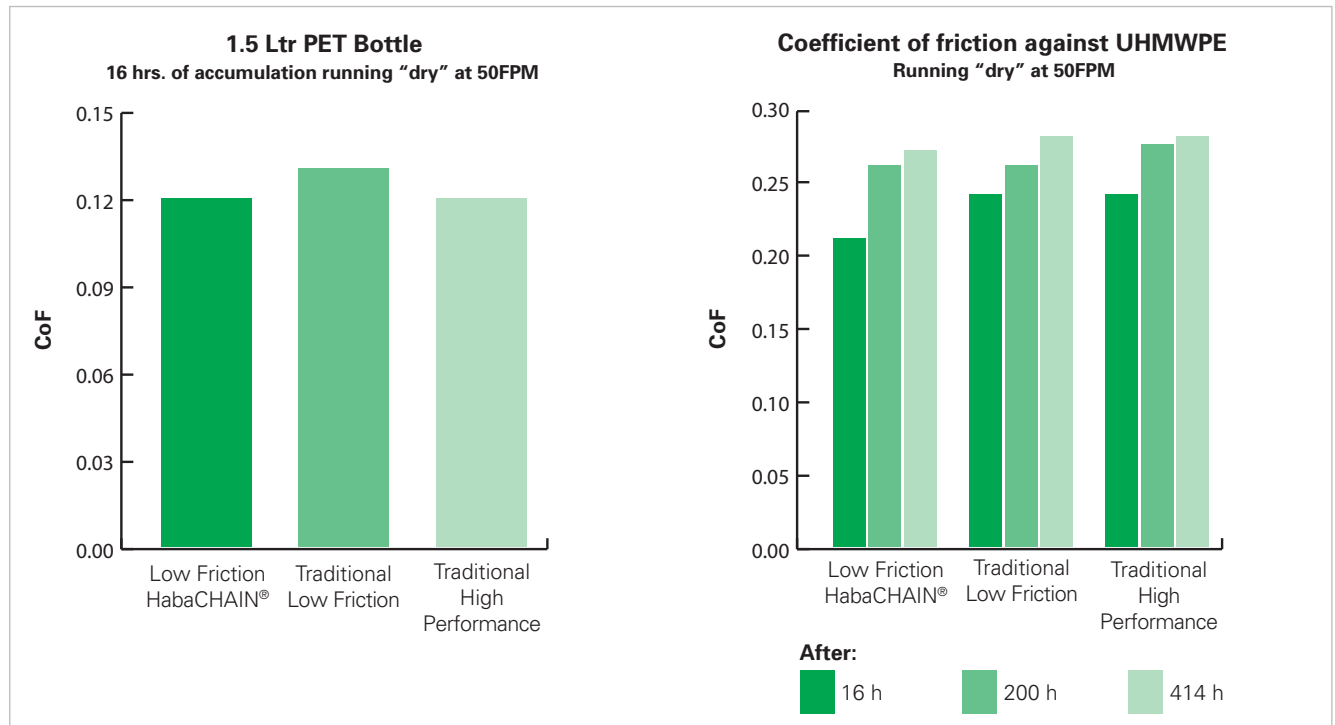
- Standard ANSI 40-1 or ANSI 60-1 roller chain sprockets from any supplier, suitable for 40P or 60P chains

Low friction chains and high friction inserts

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Low friction

Habasis's "low friction" LF chain material delivers friction properties that meet or exceed those offered by other high performance materials at a premium price. This allows customers to optimize performance at a competitive price so the savings go right to your bottom line.



Over molds (high friction inserts)

Habasis's over mold capability allows us to provide high friction inserts in a wide range of profiles to support your conveying application needs. These high friction inserts are molded directly into the chain for optimum performance and durability.

Habasis's high friction inserts are available in different hardness and can be adapted to almost any HabaCHAIN® style to handle the following applications.

- Inclines
- Declines
- Case/product turning
- Case/product orientation

For further information on availability of standard or custom inserts, please contact Habasis.



Material overview

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Code	Material description	Color
Plastic chains (Standard chain materials)		
DP	Standard POM (Acetal)	Gray
LF	Low-friction POM (Acetal)	Light brown
PT	Extra low-friction POM (Acetal)	Gray brown, Flexi chains: White
TS	Extra low-friction POM (Acetal)	Silver
NG	PBT (Polybutylene Terephthalate) lubricated	Gray
Plastic chains (Special chain materials)		
PK	POM (Acetal) aramidic fiber reinforced	Dark gray
EC	POM (Acetal) electrical conductive	Black
DE	POM (Acetal) metal detectable	Blue
NY	PA (Polyamide) extra wear-resistant	Dark gray
WR	PA (Polyamide) extra wear-resistant	Black
HT	PA (Polyamide) heat resistant	Black
NP	PBT (Polybutylene Terephthalate)	Natural white
PP	PP (Polypropylene) reinforced, chemical resistant	Natural white
CR	PVDF (Polyvinylidene fluoride) extreme chemical resistance	White
Steel chains		
CS	Carbon steel - 43 HRC	Black
SS	Ferritic stainless steel, AISI 430	Gray,
SH	Martensitic stainless steel	Gray
SA	Austenitic stainless steel, AISI 304	Gray
Pins		
SS	Ferritic stainless steel, AISI 430	Gray
SA	Austenitic stainless steel, AISI 304	Gray
IN	Austenitic stainless steel, AISI 316, chemical resistant	Gray
NG	PBT (Polybutylene Terephthalate) lubricated	White
PA	PA (Polyamide) Highly reinforced, wear and fatigue resistant	Gray
Sprockets		
CI	Cast iron	Gray
NY	PA (Polyamide)	Black
PE	PE (Polyethylene)	Natural white
ND	Special noise dampening material	Dark gray
LI	Multi-Hub PA (Polyamide)	Black

The Habasit solution

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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

Because our customers belting challenges and needs never cease, we consistently dedicate a substantial percentage of our employees and resources to the research and development of new products and solutions.

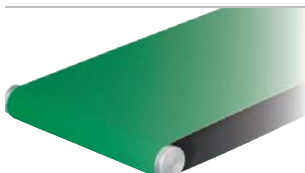
Certified for quality

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

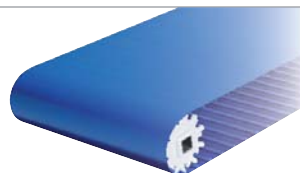
Habasit offers the largest selection of belting, conveying, processing and complementary products in the industry. Our response to any request is nothing less than a specific, tailor-made solution.



Fabric-based conveyor and processing belts
HabaFLOW®



Plastic modular belts
HabasitLINK®



Positive drive conveyor and processing belts
Habasit Cleandrive™



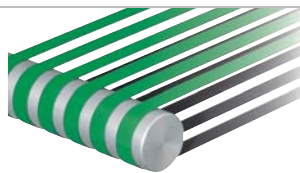
Power transmission belts
HabaDRIVE®



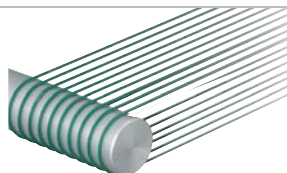
Timing belts
HabaSYNC®



Chains (slat and conveyor chains)
HabaCHAIN®



Machine tapes



Round belts



Seamless belts



Profiles, guides, wear strips
HabiPLAST®



Fabrication tools (joining tools)



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Electric motors
Motion control

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

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