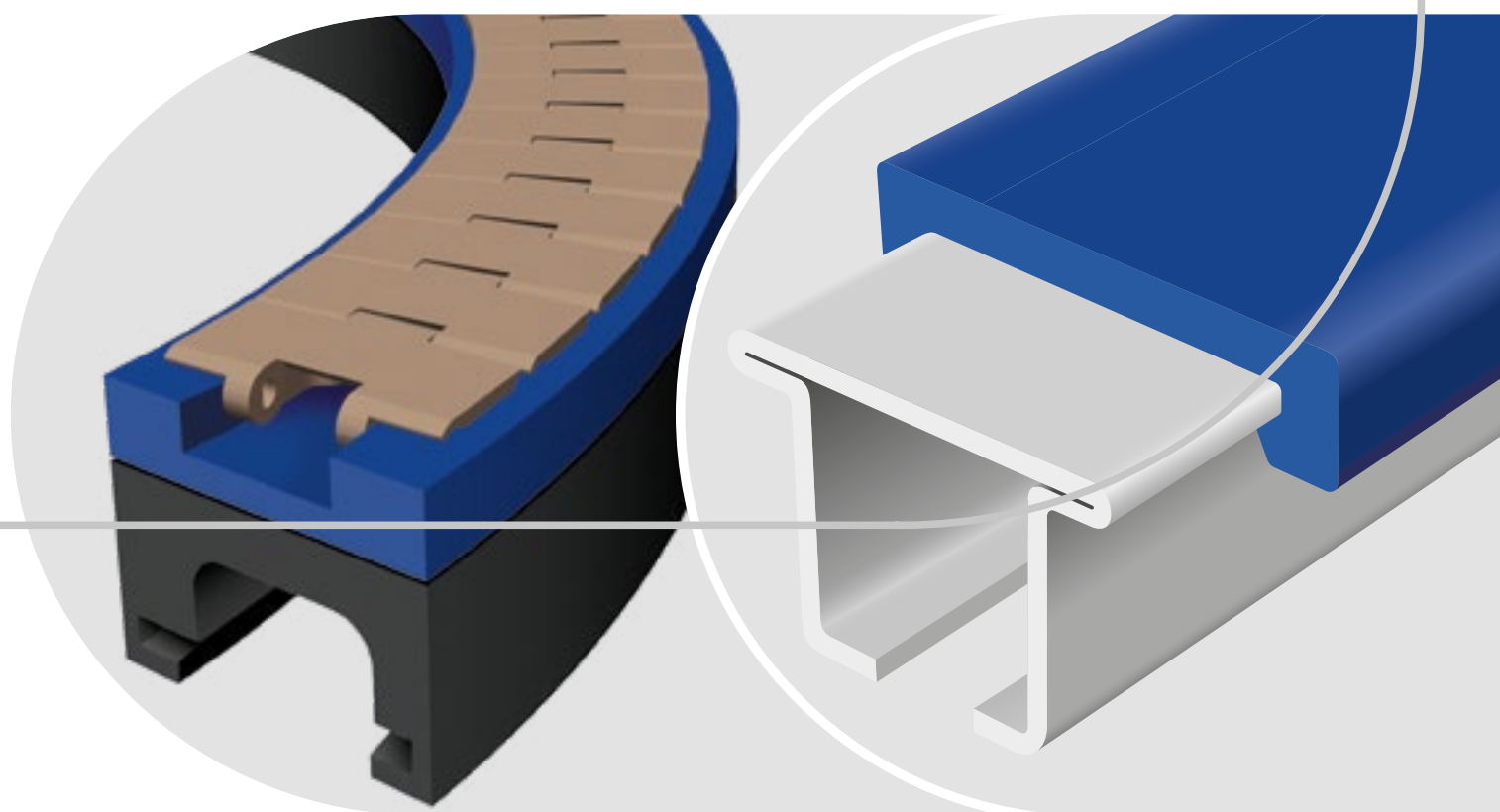


HabiPLAST™

Extruded and Machined
Thermoplastic Profiles:
Wear Strips and Guides



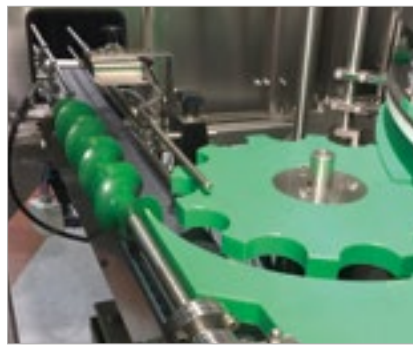
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HabiPLAST™

Beyond its leadership in production and sales of conveyor belts, Habasit has been developing along the years a comprehensive range of plastic accessories for conveyors, which has been identified by the HabiPLAST™ trade mark. Most of these products are strictly in contact with the conveyor belt, so they represent an essential part of the recognized success of the Habasit solutions: profiles, guides for plastic modular belts and chains, sprockets, guides for goods, other plastic parts, etc.

Industries and applications

HabiPLAST™ products are used in many industries and are the best complement for HabasitLINK® modular belts, HabaCHAIN® slat and conveyor chains, and HabaSYNC® timing belts.



Food

- Bakery
- Meat
- Fish & Seafood
- Poultry
- Dairy
- Fruit & Vegetables

Bottling Industry

Materials Handling

- Distribution centers
- General conveyor systems

Airports

- Baggage handling

Automotive

- Assembling operations
- Tires
- Vehicle Batteries

Paper

Packaging

- Packaging machinery

Fitness & Leisure

- Leisure park applications
- Winter applications

Chemistry

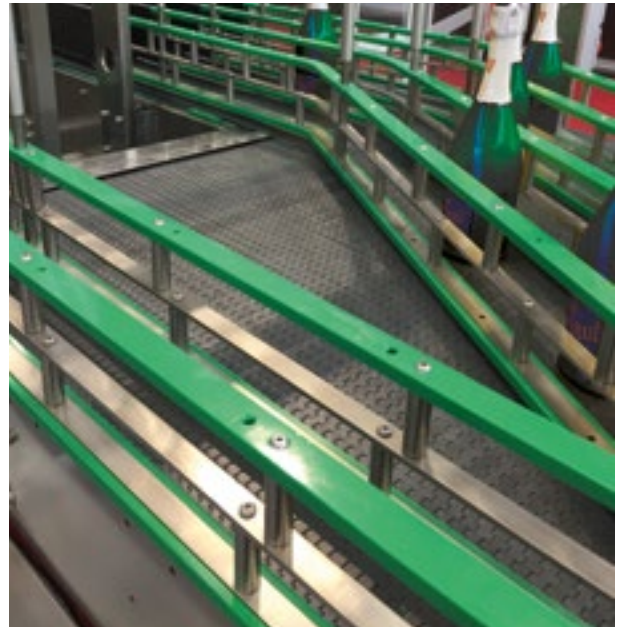
Production

For the development of the HabiPLAST™ product range, Habasit has built a comprehensive knowledge in plastic processing: RAM extrusion, screw extrusion, machining and, of course, molding. Our Producing Units are equipped with the most technologically advanced machines and equipment. Extrusion and CNC machines guarantee a remarkable flexibility and big productive volumes always of high quality. Our stock of standard products ensures deliveries on time. In addition to the standard products which are available in the catalogue, several plastic parts are also machined on customers' drawings.

Competence and experience

Habasit application engineers and technicians are at your disposal to provide professional consulting and technical support.

With more than 70 years of experience and a comprehensive global network, Habasit is able to respond to any request and to satisfy specific needs with an optimal tailored solution.



Habasit standard engineering polymers

Habasit offers a wide range of materials in order to satisfy all customers' needs.

Polyethylene is the most widely used engineering plastic material for belting profiles.



HabiPLAST™ polyethylene

HabiPLAST™ offers a wide range of high density polyethylene obtained by a low pressure polymerization process. The average molecular weight is between 0.3 and 8 millions of g/mol (measured by a viscometer). Ultra High Molecular Weight (UHMW-PE) identifies the polyethylene with more than 1 million of g/mol.

As the molecular weight of PE increases, so do its mechanical properties, including wear and impact resistance, tensile strength at a high temperatures, and energy absorption.

Additives such as fillers or lubricants can be used to further improve several technical properties, depending on the specific application requirements.

TriboPLUS®

TriboPlus® represents a new generation of polyethylene with the highest performances in terms of low friction coefficient and high wear resistance.

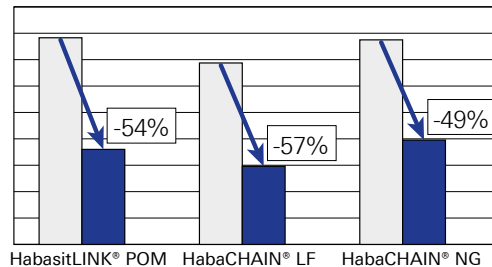
Compared to the standard UHMW polyethylene (PE40), laboratory tests showed the following properties of TriboPlus® (TP40):

Product properties	Your benefit
Lower friction	Energy savings
Less noise	Improved working conditions
Higher wear resistance	Less dusting – More Hygiene
Higher speed and load limits	Higher productivity
Self-lubrication	Less maintenance
Longer life	Lower operational costs



Convincing results for higher productivity and energy savings

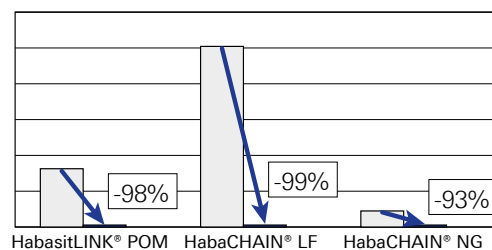
LOWER FRICTION



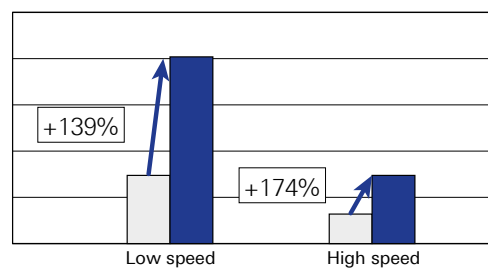
The TriboPlus® formulation is particularly suitable for the production of profiles for belts and chain but also for straight, and corner tracks, which are often subject to high friction, and wear.

In addition to the standard version, the TriboPlus® profiles can be provided with the special ESD (Electro Static Discharge) Polyethylene. TriboPlus® is compliant to the EU 10/2011 and FDA food regulations.

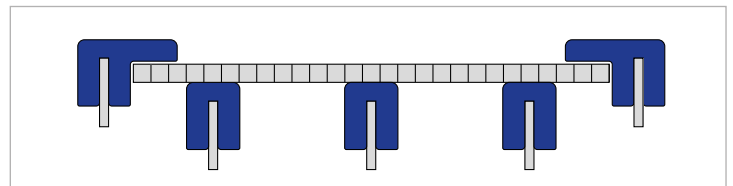
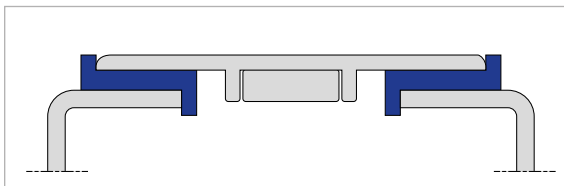
LOWER WEAR RATE



INCREASED LOAD LIMIT FOR POM



PE UHMW HabiPLAST TriboPlus®



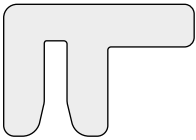
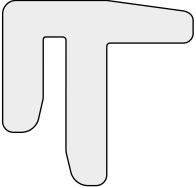
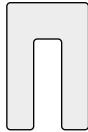
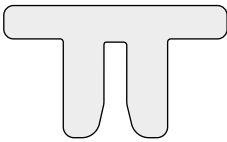
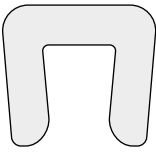
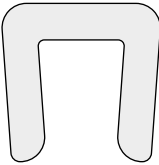
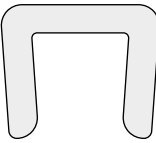
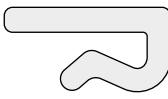
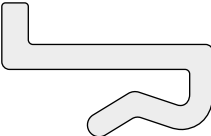
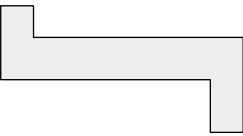
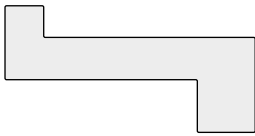
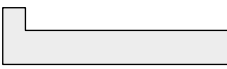
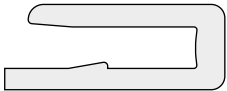
Other engineering plastic materials

While extruded profiles are only made of polyethylene, there is a consistent part of the HabiPLAST™ product range which is manufactured using different engineering plastic materials (PA, POM, PET...).

HabiPLAST™ Food approved materials strictly comply to the EU and FDA regulations. Food certifications are available on the www.habasit.com web site.

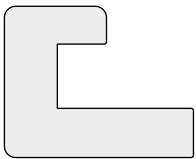
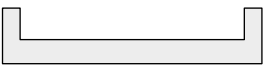
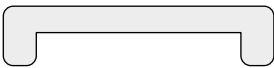
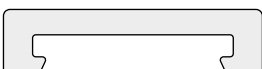
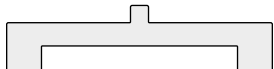
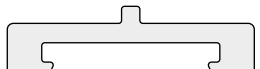
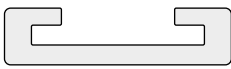
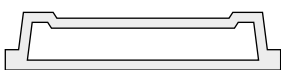
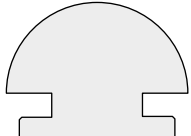
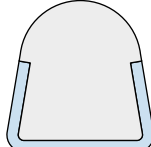
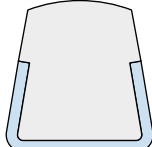
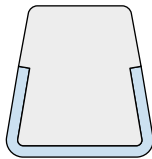
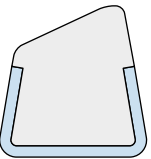
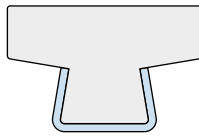
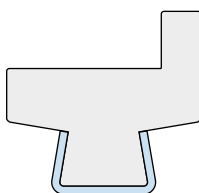
Wear strips and guides for plastic modular belts, chains and goods

Description and Code structure pag. 14

MP pag.17    	MU pag.18    	GB pag.18    	MT pag.16    
GA-50 pag.19    	GA-60 pag.19    	GA100 pag.20    	LK-20 pag.20    
LK-25 pag.21    	LK-40 pag.21    	ZK pag.22    	ZA-20 pag.22    
ZA-23 pag.23    	ZA-25 pag.23    	LA-20 pag.23    	LC-14 pag.24    

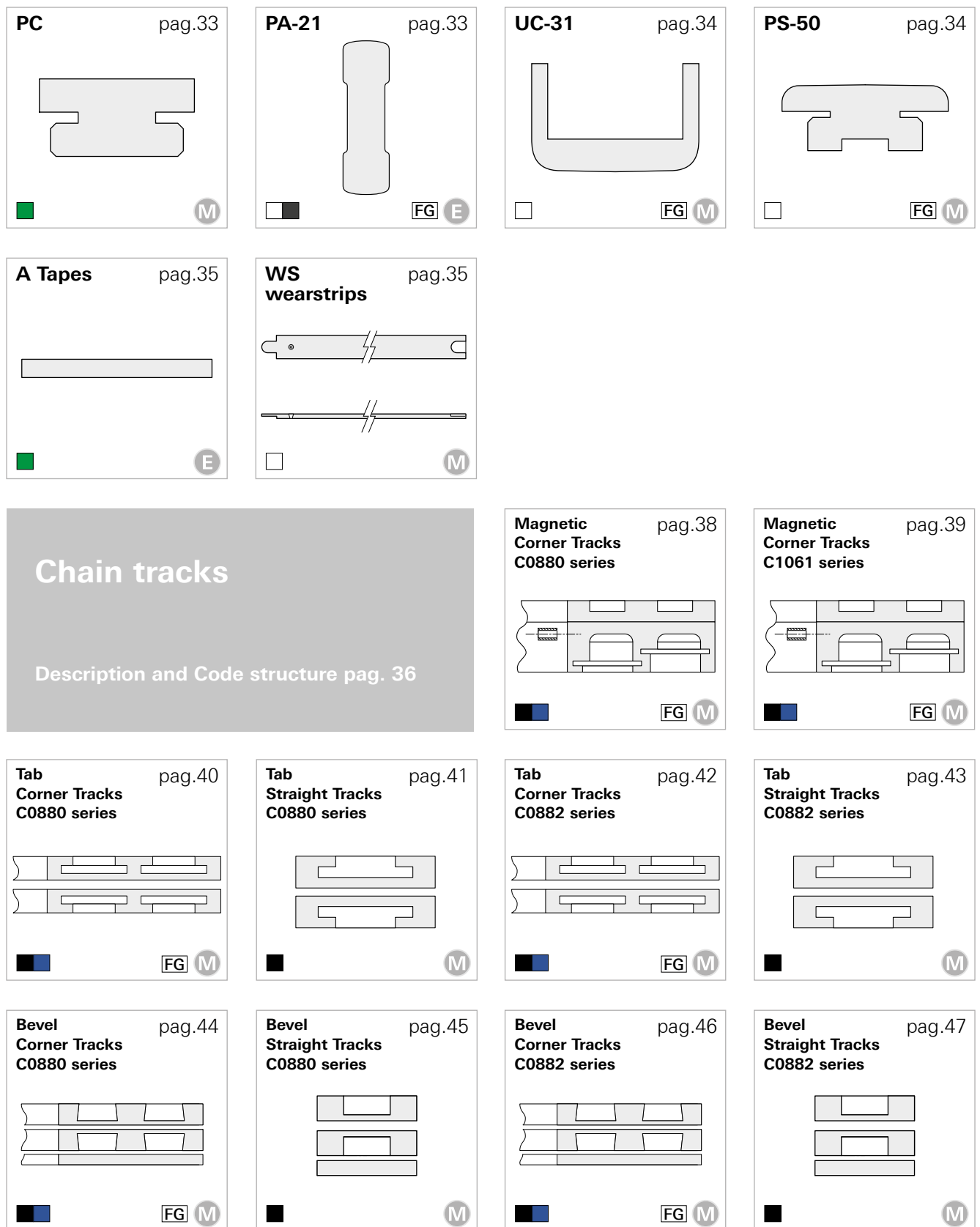
Extruded  Machined 

Black (non Food Grade)  Natural white  Green  Cobalt blue  Food Grade 

LJ-85 pag.24   FG E	UD-70 pag.24   FG E	UA-41 pag.25   FG E	UB-41 pag.25   FG E
US-40 pag.26   FG E	TA-40 pag.26   FG E	TU-43 pag.27   FG E	TS-43 pag.27   FG E
CA-40 pag.28   FG E	CA-50 pag.28   FG M	CA-60 pag.29   FG M	CA-81 pag.29   FG M
DG-78 pag.30   E	RA-18 pag.30   FG E	RR-17 pag.31   FG E	RS-17 pag.31   FG E
RF-17 pag.31   FG E	RI-17 pag.32   FG E	RT-32 pag.32   FG E	RL32 pag.32   FG E

Extruded **E** Machined **M**

Black (non Food Grade)  Natural white  Green  Cobalt blue  Food Grade **FG**

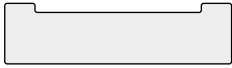


Guides for timing belts

Description and Code structure pag. 48

SF

pag.50



SF(X)

pag.51



SV

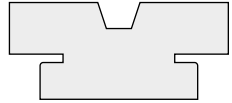
pag.52



SV(X)

pag.53



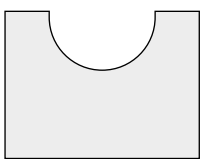
 

Guides for round and V-belts

Description and Code structure pag. 48

R1

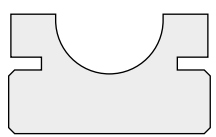
pag.54



R1(X)

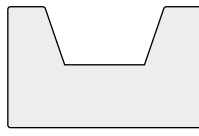
pag.54



V1

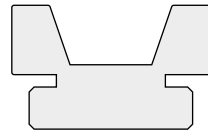
pag.55



V1(X)

pag.55



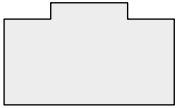
 

Guides for roller chains

Description and Code structure pag. 48

T1

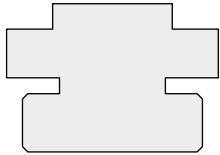
pag.56



T1(X)

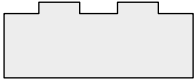
pag.57



T2

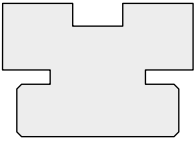
pag.58



T2(X)

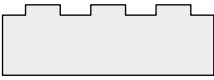
pag.59



T3

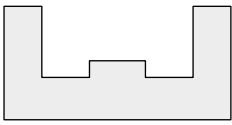
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E1

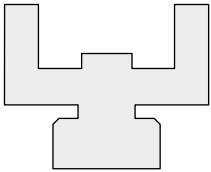
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E1(X)

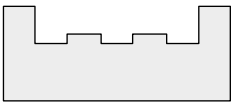
pag.61



E2

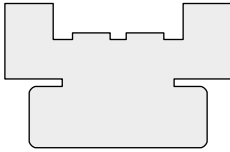
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E2(X)

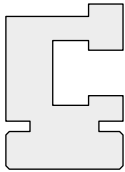
pag.62



ET(X)

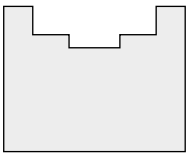
pag.62



U1

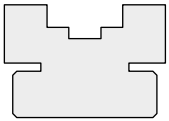
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U1(X)

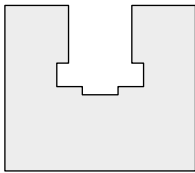
pag.63



B1

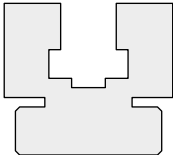
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B1(X)

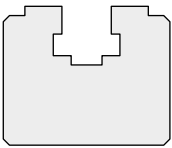
pag.64



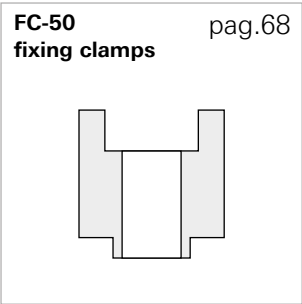
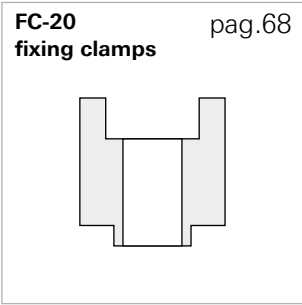
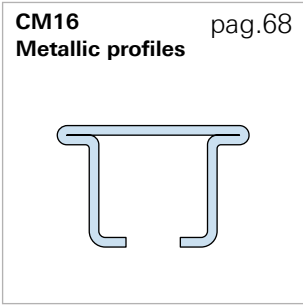
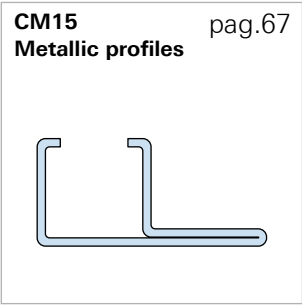
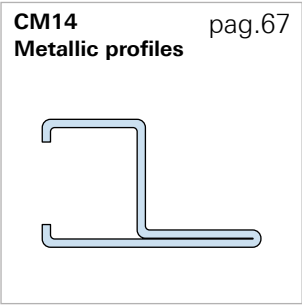
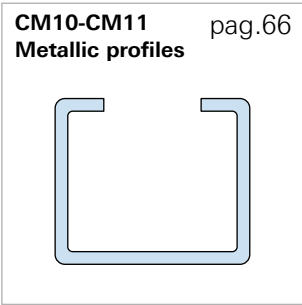
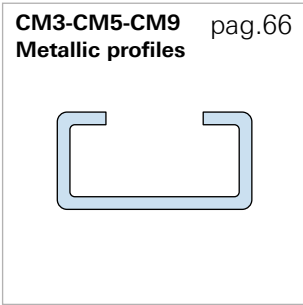
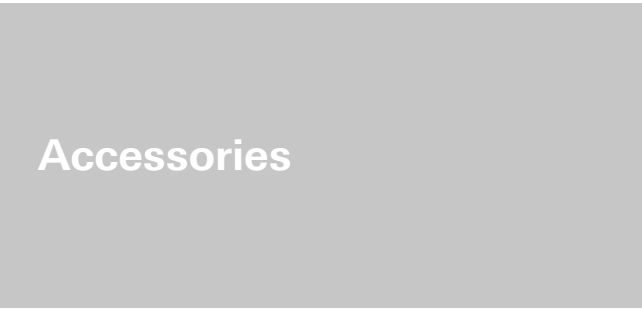
 

K1(X)

pag.65



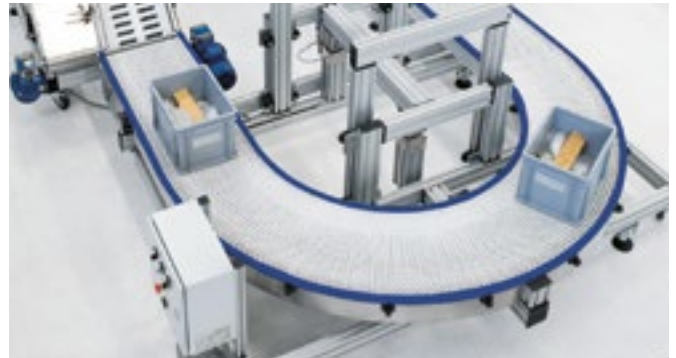


Wear strips and guides for plastic modular belts, chains and goods

14

HabiPLAST™ profiles represent the best solution not only to support and guide HabasitLINK plastic modular belts, HabaCHAIN plastic and metal chains, but also to guide goods along the conveyor.

The wide range of standard extruded profiles allows to find a suitable and “easy to assemble” solution for the most common conveyor structures. Customized machined profiles are also available for any special application.



The HabiPLAST wear strips and guides for plastic modular belts, chains and goods are mainly produced in ultra-high molecular weight polyethylene.

The most relevant features are:

- Low friction
- Wear resistance
- Low noise
- Good impact resistance
- High chemical resistance
- Corrosion resistance
- Food compliancy

Our UHMW PE40 is the mostly used techno polymer for standard applications.

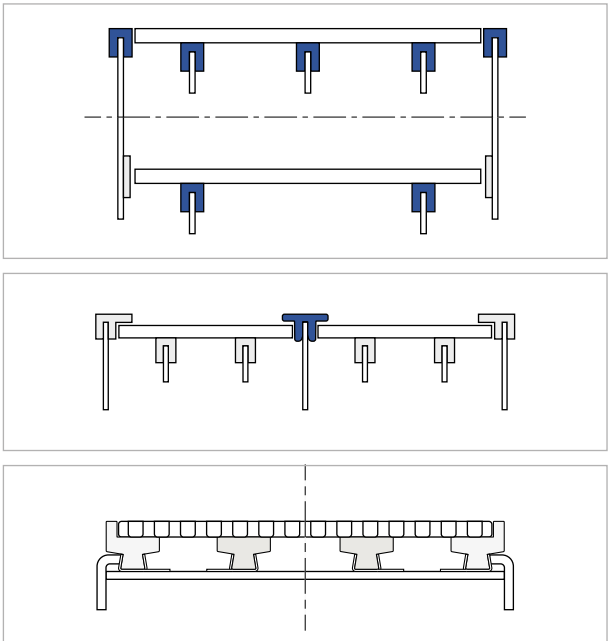
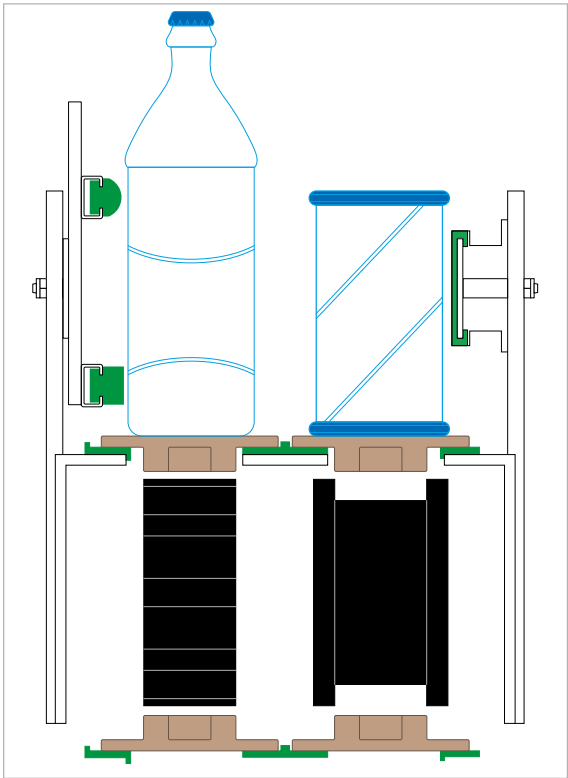


Whenever very low friction and high wear resistance are required, all the HabiPLAST™ profiles can be manufactured in TriboPlus, the special lubricated Polyethylene with outstanding tribological properties, developed by Habasit (see catalogue introduction for further information).

For low demanding applications, the HabiPLAST™ product range also includes a cost effective regenerated PE10.



Wear strips and guides for plastic modular belts, chains and goods

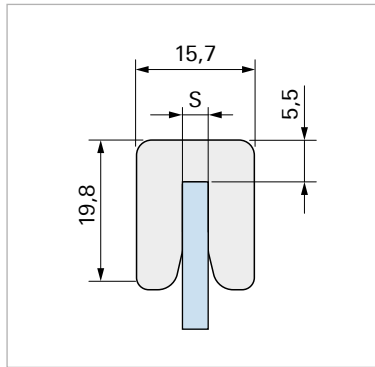
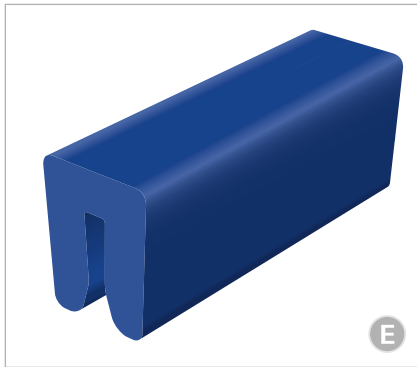


Code structure

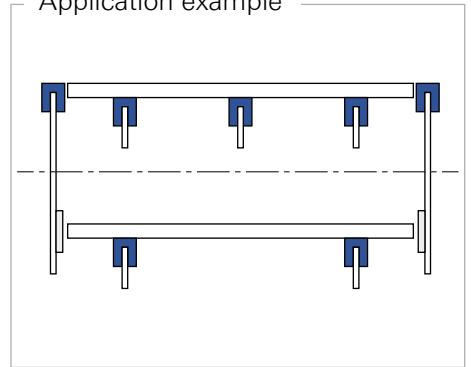
Pos. 1-2		Pos. 3 - 4 - 5			Pos. 6	Pos. 7 - 8 - 9 - 10				Pos. 11	Pos. 12	Pos. 13 - 14 - 15			Pos. 16	Pos. 17 - 18	
L	K	-	2	5	-	P	E	4	0	W	-	0	0	3	+	F	G
Product series (profile design)		Profile identification number			Material					Color		Dimension (meters)			Special features		
		V = AISI 304 assembled metal housing	The number normally identifies the main profile dimensions			PE03-PE05--PE10 PE40-PE80-TP40 PA6E-PA6 -PA66 POMC PP00 PTFE PVC0 PETC GALV-A304-A430 ALUM					B = black W = natural white G = green C = cobalt blue D = Gray Y = yellow R = red A = orange N = brown		FG =food grade EC =conductive FE =food grade + conductive RC =recycled RK =recycled confetti structure LF =low friction MO =MoS2 AR =antistatic recycled G1 =Glass fiber reinforced 10% G2 =Glass fiber reinforced 5% (US 13%) G3 =Glass fiber reinforced 20% G4 =Glass fiber reinforced 25% G5 =Glass fiber reinforced 30% (US 33%)				
		W = AISI 430 assembled metal housing															

*: see Product Data Sheets for available materials, colors, dimensions and features.

MB profile

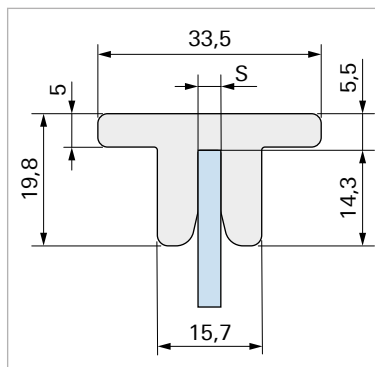
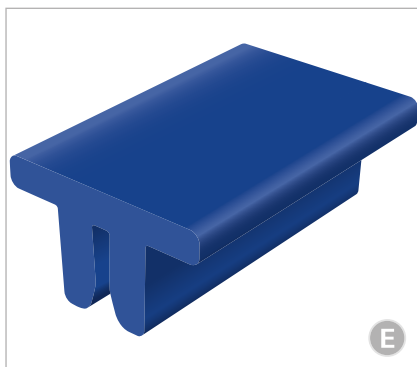


Application example

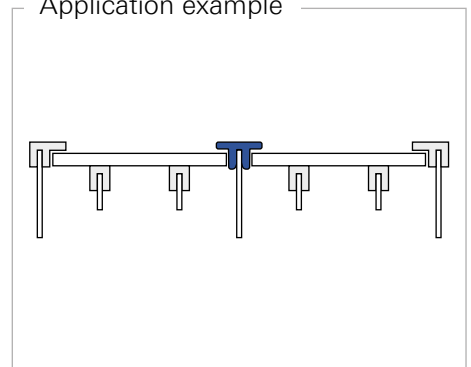


Habasit code	s	Material	Color	Packaging unit	Total length	Food grade
	mm				m	
MB-22-PE40W-003+FG	2	PE40	white	bar	3	•
MB-22-PE40W-006+FG	2	PE40	white	bar	6	•
MB-22-TP40C-003+FG	2	TP40	c-blue	bar	3	•
MB-27-PE40W-003+FG	2,5	PE40	white	bar	3	•
MB-27-PE40W-006+FG	2,5	PE40	white	bar	6	•
MB-27-TP40C-003+FG	2,5	TP40	c-blue	bar	3	•
MB-32-PE40W-003+FG	3	PE40	white	bar	3	•
MB-32-PE40W-006+FG	3	PE40	white	bar	6	•
MB-32-TP40C-003+FG	3	TP40	c-blue	bar	3	•
MB-47-PE40W-003+FG	4,5	PE40	white	bar	3	•
MB-47-PE40W-006+FG	4,5	PE40	white	bar	6	•
MB-47-TP40C-003+FG	4,5	TP40	c-blue	bar	3	•
MB-52-PE40W-003+FG	5	PE40	white	bar	3	•
MB-52-PE40W-006+FG	5	PE40	white	bar	6	•
MB-52-TP40C-003+FG	5	TP40	c-blue	bar	3	•

MT profile



Application example



Habasit code	s	Material	Color	Packaging unit	Total length	Food grade
	mm				m	
MT-22-PE40W-003+FG	2	PE40	white	bar	3	•
MT-22-PE40W-006+FG	2	PE40	white	bar	6	•
MT-22-TP40C-003+FG	2	TP40	c-blue	bar	3	•
MT-27-PE40W-003+FG	2,5	PE40	white	bar	3	•



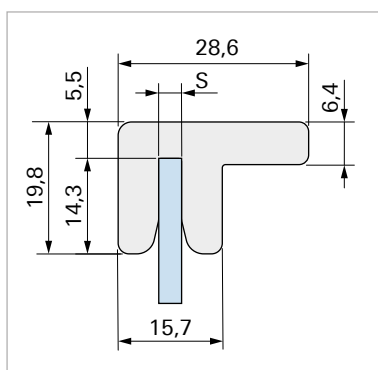
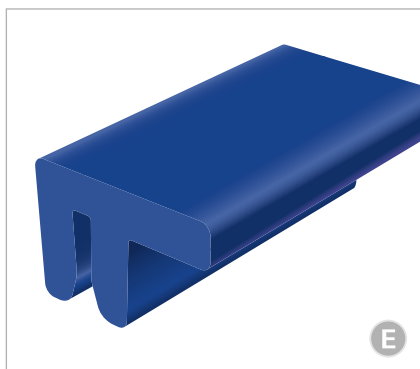
Wear strips and guides for plastic modular belts, chains and goods

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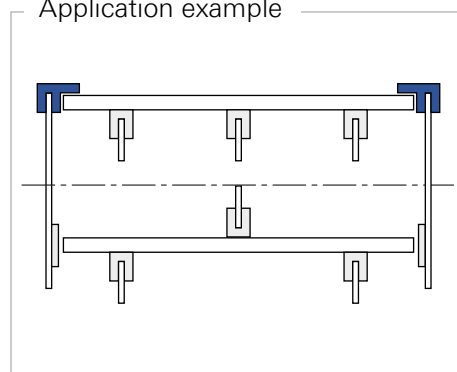
MT profile

Habasit code	s	Material	Color	Packaging unit	Total length	Food grade
	mm				m	
MT-27-PE40W-006+FG	2,5	PE40	white □	bar	6	•
MT-27-TP40C-003+FG	2,5	TP40	c-blue ■	bar	3	•
MT-27-TP40C-006+FG	2,5	TP40	c-blue ■	bar	6	•
MT-32-PE40W-003+FG	3	PE40	white □	bar	3	•
MT-32-PE40W-006+FG	3	PE40	white □	bar	6	•
MT-32-TP40C-003+FG	3	TP40	c-blue ■	bar	3	•
MT-45-PE40W-003+FG	4,5	PE40	white □	bar	3	•
MT-45-PE40W-006+FG	4,5	PE40	white □	bar	6	•
MT-45-TP40C-003+FG	4,5	TP40	c-blue ■	bar	3	•

MP profile



Application example

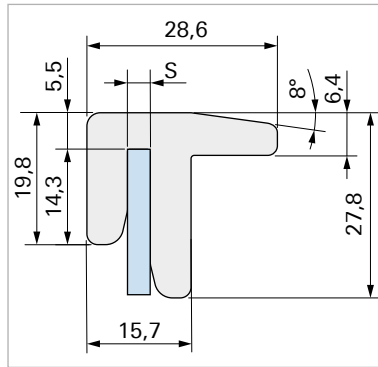


Habasit code	s	Material	Color	Packaging unit	Total length	Food grade
	mm				m	
MP-22-PE40W-003+FG	2	PE40	white □	bar	3	•
MP-22-PE40W-006+FG	2	PE40	white □	bar	6	•
MP-22-TP40C-003+FG	2	TP40	c-blue ■	bar	3	•
MP-27-PE40W-003+FG	2,5	PE40	white □	bar	3	•
MP-27-PE40W-006+FG	2,5	PE40	white □	bar	6	•
MP-27-TP40C-003+FG	2,5	TP40	c-blue ■	bar	3	•
MP-32-PE40W-003+FG	3	PE40	white □	bar	3	•
MP-32-PE40W-006+FG	3	PE40	white □	bar	6	•
MP-32-TP40C-003+FG	3	TP40	c-blue ■	bar	3	•
MP-47-PE40W-003+FG	4,5	PE40	white □	bar	3	•
MP-47-PE40W-006+FG	4,5	PE40	white □	bar	6	•
MP-47-TP40C-003+FG	4,5	TP40	c-blue ■	bar	3	•
MP-52-PE40W-003+FG	5	PE40	white □	bar	3	•
MP-52-PE40W-006+FG	5	PE40	white □	bar	6	•
MP-52-TP40C-003+FG	5	TP40	c-blue ■	bar	3	•

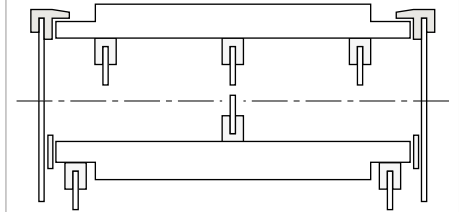
Wear strips and guides for plastic modular belts, chains and goods

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MU profile

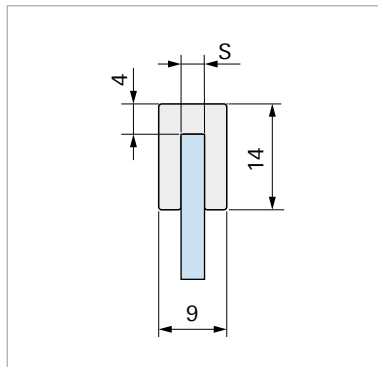
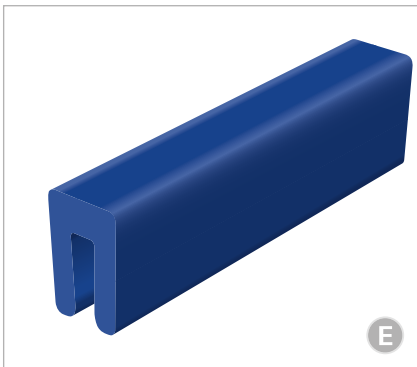


Application example

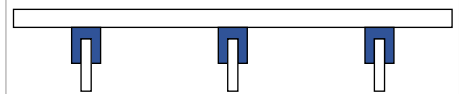


Habasit code	s	Material	Color	Packaging unit	Total length	Food grade
	mm				m	
MU-32-PE40W-003+FG	3	PE40	white	bar	3	•
MU-47-PE40W-003+FG	4,5	PE40	white	bar	3	•

GB profile



Application example

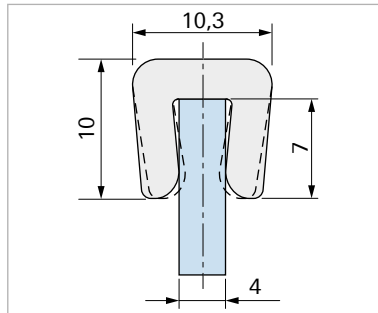
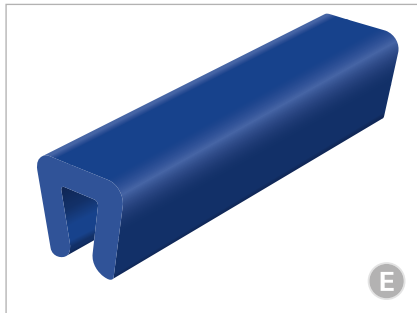


Habasit code	s	Material	Color	Packaging unit	Total length	Food grade
	mm				m	
GB-22-PE40W-050+FG	2	PE40	white	coil	50	•
GB-22-TP40C-050+FG	2	TP40	c-blue	coil	50	•
GB-32-PE40W-050+FG	3	PE40	white	coil	50	•
GB-32-TP40C-050+FG	3	TP40	c-blue	coil	50	•
GB-42-PE40W-050+FG	4	PE40	white	coil	50	•
GB-42-TP40C-050+FG	4	TP40	c-blue	coil	50	•

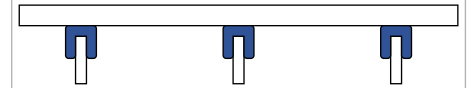
Wear strips and guides for plastic modular belts, chains and goods

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GA-40 profile

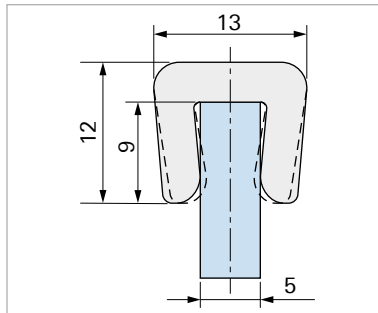
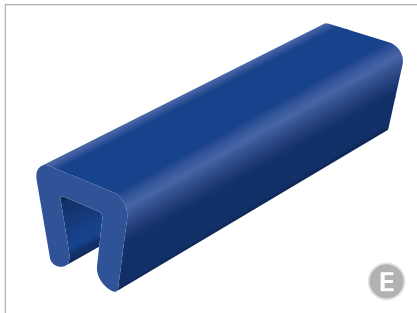


Application example

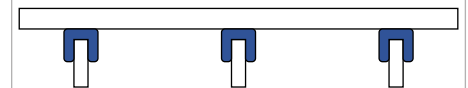


Habasit code	Material	Color	Packaging unit	Total length m	Food grade
GA-40-PE40W-050+FG	PE40	white	coil	50	•
GA-40-TP40C-050+FG	TP40	c-blue	coil	50	•

GA-50 profile

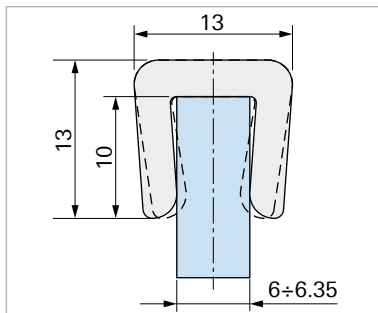
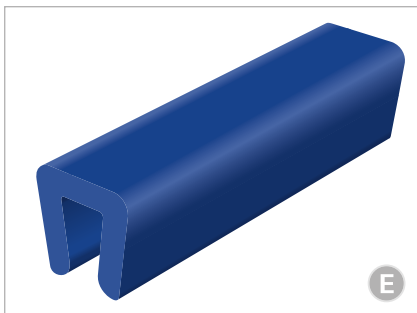


Application example

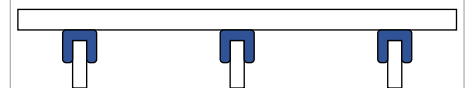


Habasit code	Material	Color	Packaging unit	Total length m	Food grade
GA-50-PE40W-050+FG	PE40	white	coil	50	•
GA-50-TP40C-050+FG	TP40	c-blue	coil	50	•

GA-60 profile



Application example



Habasit code	Material	Color	Packaging unit	Total length m	Food grade
GA-60-PE40W-050+FG	PE40	white	coil	50	•
GA-60-TP40C-050+FG	TP40	c-blue	coil	50	•

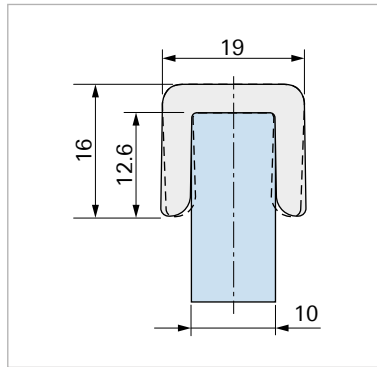
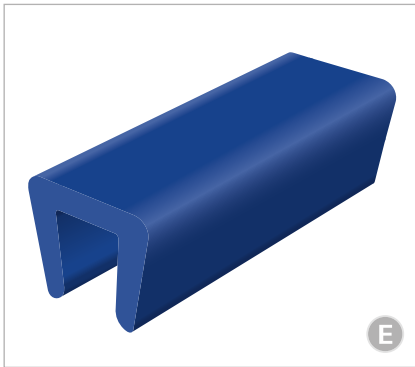
Extruded Machined

Black (non Food Grade) Natural white Green Cobalt blue

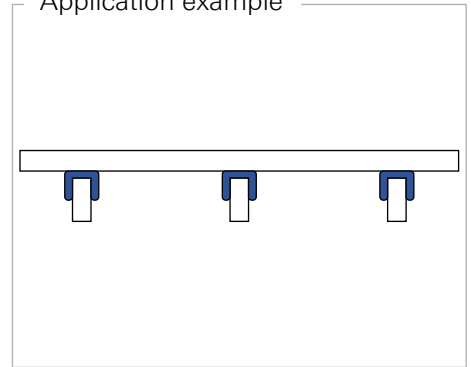
Wear strips and guides for plastic modular belts, chains and goods

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GA100 profile

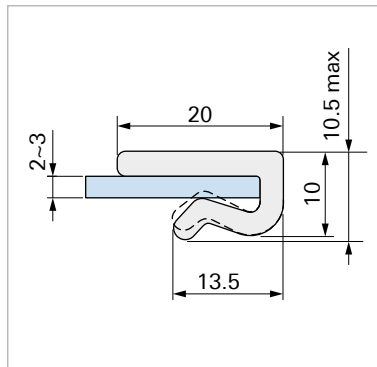


Application example

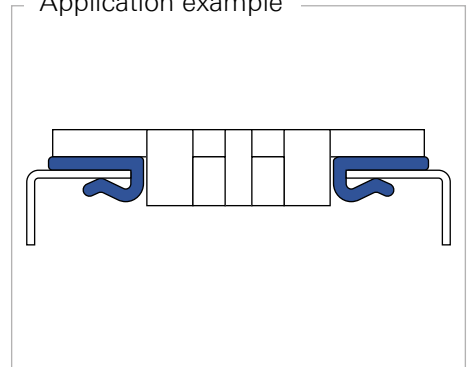


Habasit code	Material	Color	Packaging unit	Total length m	Food grade
GA100-PE40W-030+FG	PE40	white	coil	30	•
GA100-TP40C-030+FG	TP40	c-blue	coil	30	•

LK-20 profile



Application example

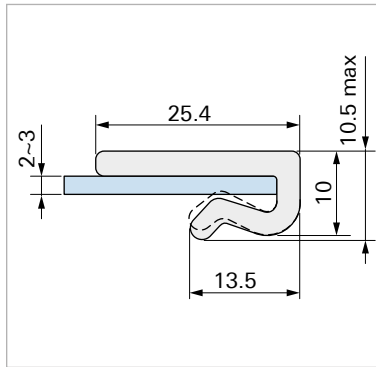
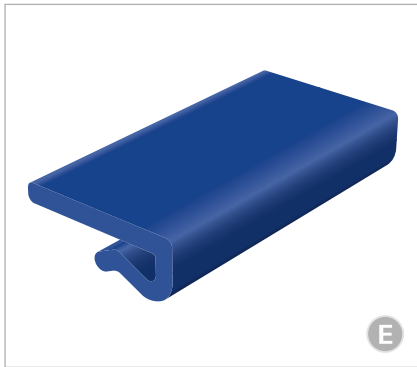


Habasit code	Material	Color	Packaging unit	Total length m	Food grade
LK-20-PE10B-040+RC	PE10	black	coil	40	
LK-20-PE40W-040+FG	PE40	white	coil	40	•
LK-20-PE40G-040+FG	PE40	green	coil	40	•
LK-20-TP40C-040+FG	TP40	c-blue	coil	40	•

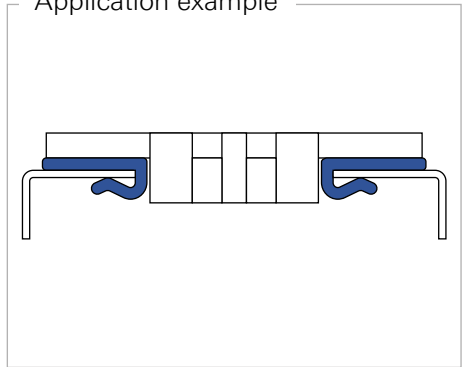
Wear strips and guides for plastic modular belts, chains and goods

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LK-25 profile

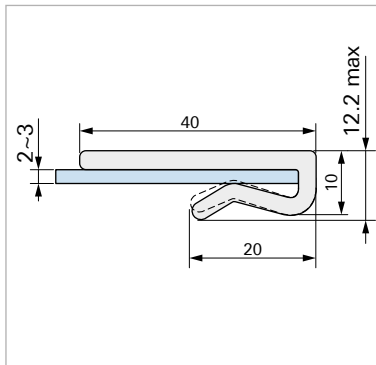
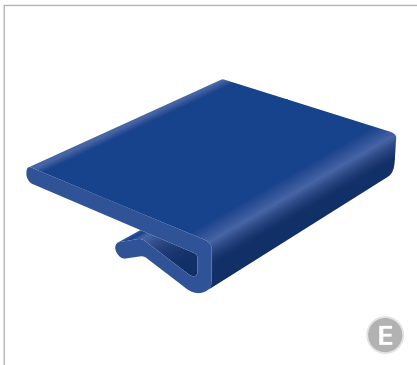


Application example

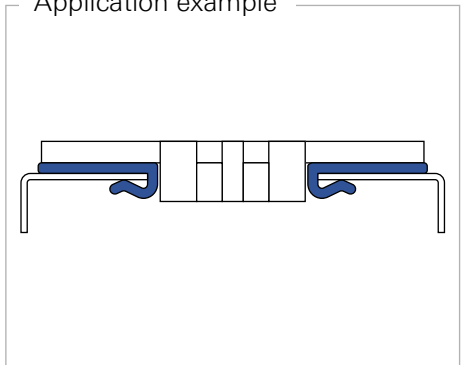


Habasit code	Material	Color	Packaging unit	Total length	Food grade
				m	
LK-25-PE10B-040+RC	PE10	black	coil	40	
LK-25-PE40W-040+FG	PE40	white	coil	40	•
LK-25-PE40G-040+FG	PE40	green	coil	40	•
LK-25-TP40C-040+FG	TP40	c-blue	coil	40	•

LK-40 profile

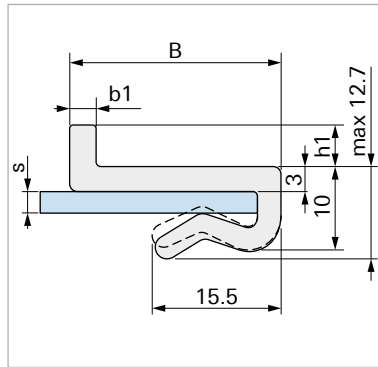
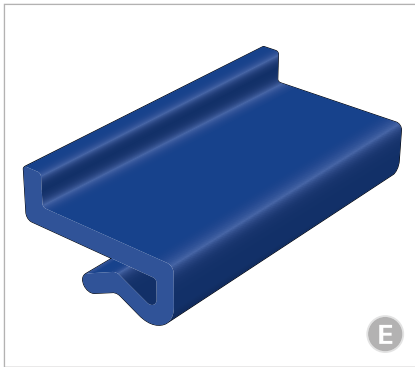


Application example

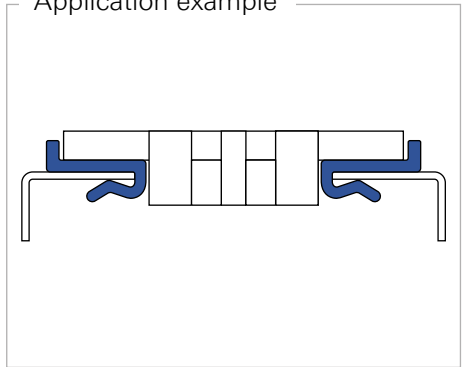


Habasit code	Material	Color	Packaging unit	Total length	Food grade
				m	
LK-40-PE10B-050+RC	PE10	black	coil	50	
LK-40-PE40W-050+FG	PE40	white	coil	50	•
LK-40-PE40G-050+FG	PE40	green	coil	50	•
LK-40-TP40C-050+FG	TP40	c-blue	coil	50	•

ZK profile

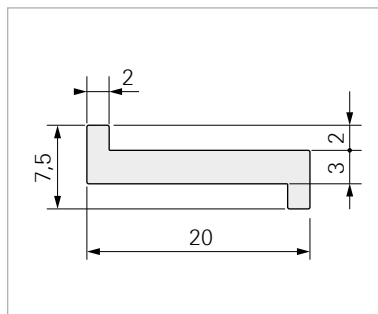
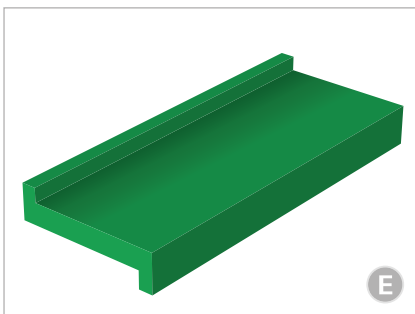


Application example

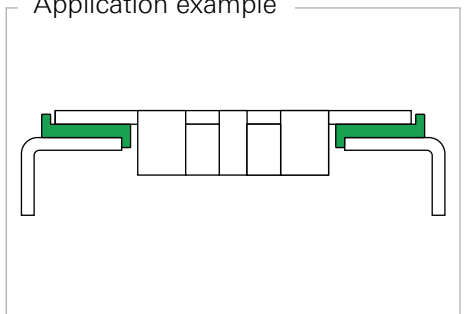


Habasit code	B	h1	b1	s	Material	Color	Packaging unit	Total length	Food grade
	mm	mm	mm	mm				m	
ZK-21-PE10B-040+RC	21	2	1,7	2~3	PE10	black	coil	40	
ZK-21-PE40W-040+FG	21	2	1,7	2~3	PE40	white	coil	40	•
ZK-21-PE40G-040+FG	21	2	1,7	2~3	PE40	green	coil	40	•
ZK-21-TP40C-040+FG	21	2	1,7	2~3	TP40	c-blue	coil	40	•
ZK-27-PE40W-040+FG	22,2	7,7	3,2	2~3	PE40	white	coil	40	•
ZK-27-TP40C-040+FG	22,2	7,7	3,2	2~3	TP40	c-blue	coil	40	•
ZK-29-PE40W-040+FG	22,2	9,7	3,2	2~3	PE40	white	coil	40	•
ZK-29-TP40C-040+FG	22,2	9,7	3,2	2~3	TP40	c-blue	coil	40	•
ZK-53-PE40W-040+FG	25,4	3,2	3,2	2~3	PE40	white	coil	40	•
ZK-53-TP40C-040+FG	25,4	3,2	3,2	2~3	TP40	c-blue	coil	40	•
ZK-55-PE40W-040+FG	25,4	5,0	3,2	2~3	PE40	c-blue	coil	40	•
ZK-55-TP40C-040+FG	25,4	5,0	3,2	2~3	TP40	c-blue	coil	40	•
ZK-57-PE40W-040+FG	25,4	7,7	3,2	2~3	PE40	white	coil	40	•
ZK-57-TP40C-040+FG	25,4	7,7	3,2	2~3	TP40	c-blue	coil	40	•
ZK-59-PE40W-040+FG	25,4	9,7	3,2	2~3	PE40	white	coil	40	•
ZK-59-TP40C-040+FG	25,4	9,7	3,2	2~3	TP40	c-blue	coil	40	•

ZA-20 profile



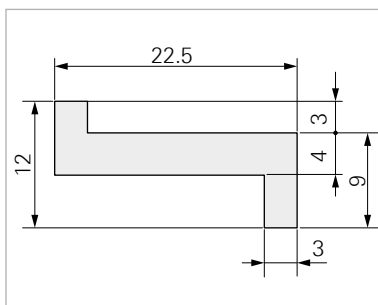
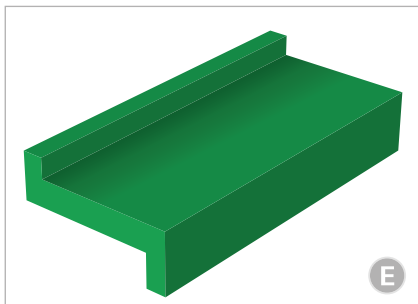
Application example



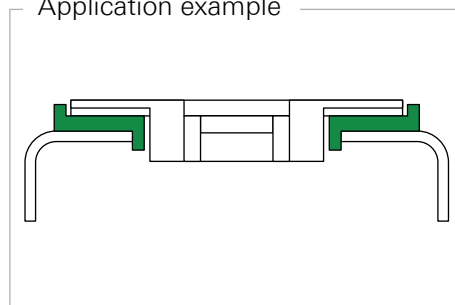
Habasit code	Material	Color	Packaging unit	Total length	Food grade
				m	
ZA-20-PE10B-050+RC	PE10	black	coil	50	
ZA-20-PE40G-050+FG	PE40	green	coil	50	•

Wear strips and guides for plastic modular belts, chains and goods

ZA-23 profile

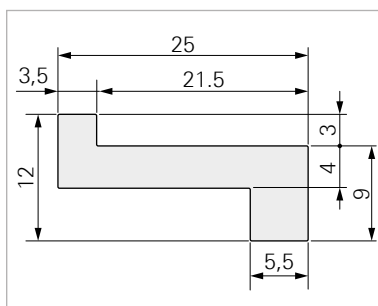
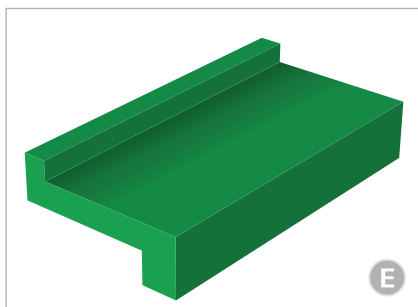


Application example

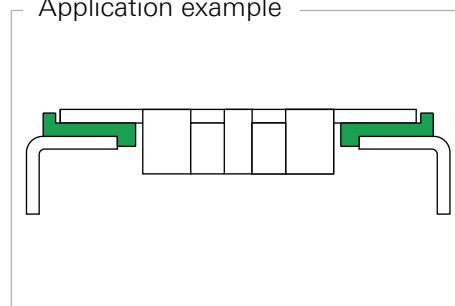


Habasit code	Material	Color	Packaging unit	Total length	Food grade
				m	
ZA-23-PE10B-050+RC	PE10	black	coil	50	
ZA-23-PE40G-050+FG	PE40	green	coil	50	•
ZA-23-TP40C-050+FG	TP40	c-blue	coil	50	•

ZA-25 profile

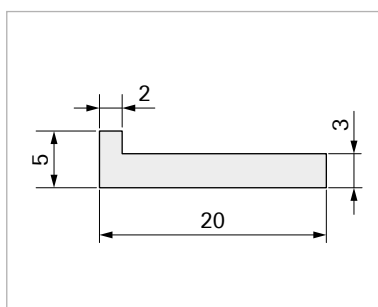
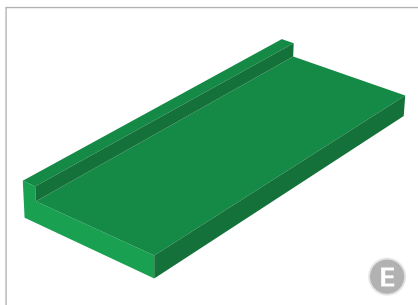


Application example

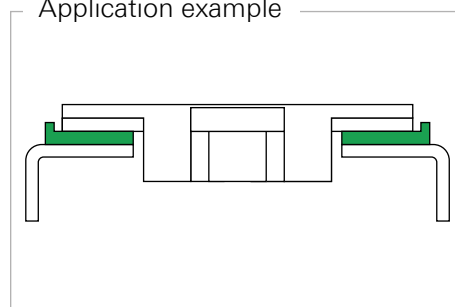


Habasit code	Material	Color	Packaging unit	Total length	Food grade
				m	
ZA-25-PE10B-050+RC	PE10	black	coil	50	
ZA-25-PE40G-050+FG	PE40	green	coil	50	•
ZA-25-TP40C-050+FG	TP40	c-blue	coil	50	•

LA-20 profile

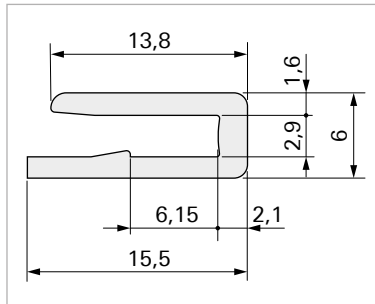
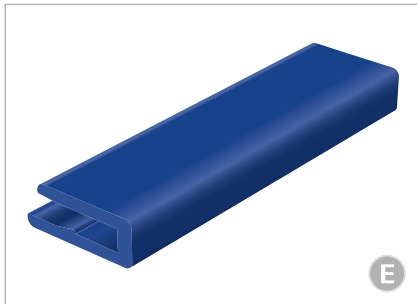


Application example

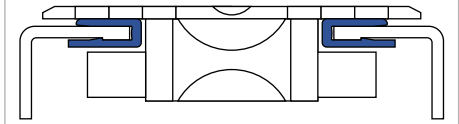


Habasit code	Material	Color	Packaging unit	Total length	Food grade
				m	
LA-20-PE10B-050+RC	PE10	black	coil	50	
LA-20-PE40G-050+FG	PE40	green	coil	50	•

LC-14 profile

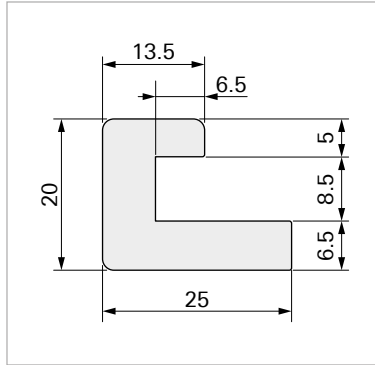
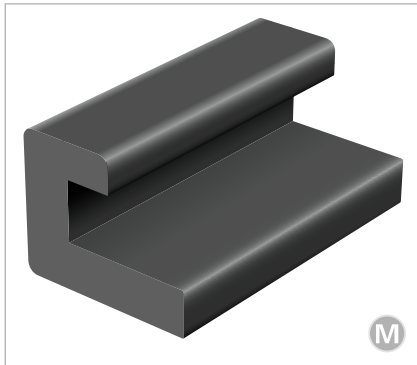


Application example

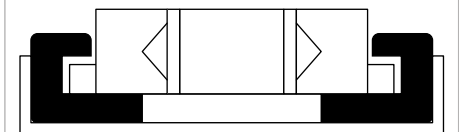


Habasit code	Material	Color	Packaging unit	Total length m	Food grade
LC-14-PE40W-050+FG	PE40	white	coil	50	•
LC-14-TP40C-050+FG	TP40	c-blue	coil	50	•

LJ-85 profile

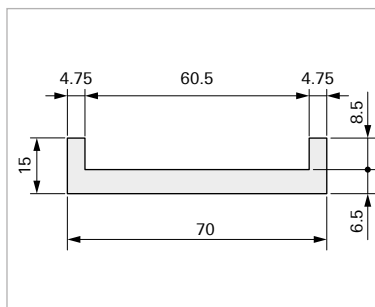
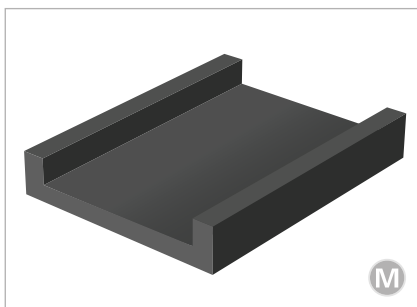


Application example

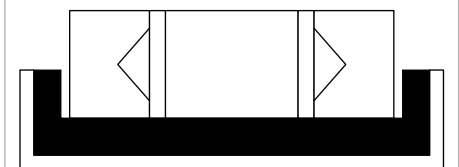


Habasit code	Material	Color	Packaging unit	Total length m	Food grade
LJ-85-PE05W-003+FG	PE05	white	bar	3	•
LJ-85-PE10B-003+RC	PE10	black	bar	3	

UD-70 profile

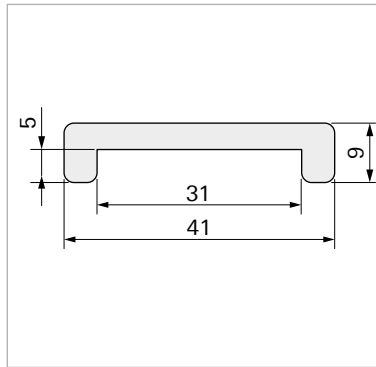
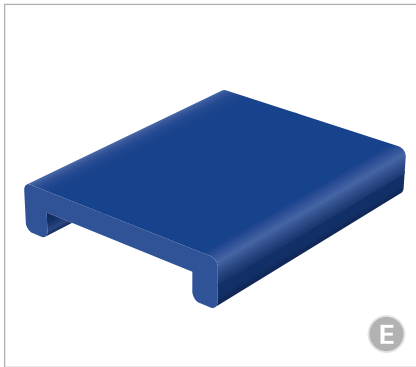


Application example

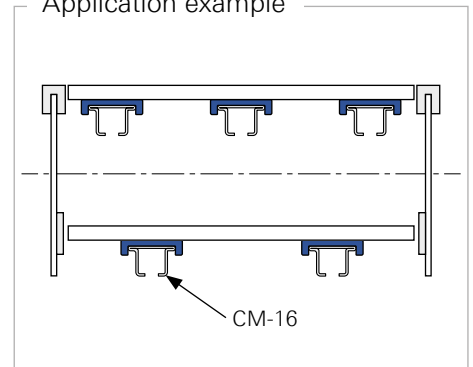


Habasit code	Material	Color	Packaging unit	Total length m	Food grade
UD-70-PE05W-003+FG	PE05	white	bar	3	•
UD-70-PE10B-003+RC	PE10	black	bar	3	

UA-41 profile

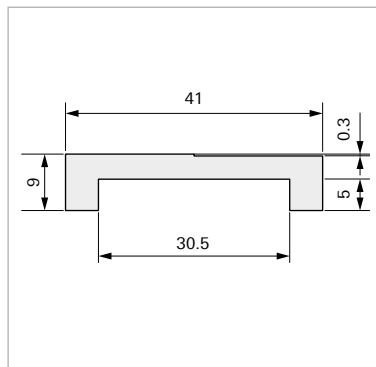
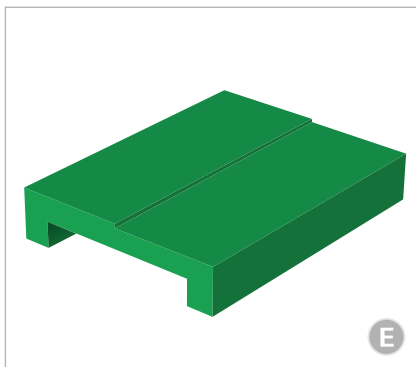


Application example

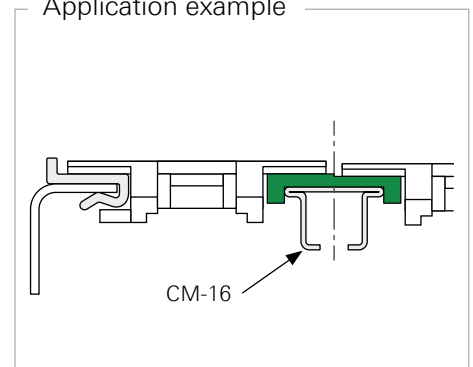


Habasit code	Material	Color	Packaging unit	Total length	Food grade
				m	
UA-41-PE10B-050+RC	PE10	black	coil	50	
UA-41-PE10B-003+RC	PE10	black	bar	3	
UA-41-PE10B-006+RC	PE10	black	bar	6	
UA-41-PE40G-050+FG	PE40	green	coil	50	•
UA-41-PE40G-003+FG	PE40	green	bar	3	•
UA-41-PE40G-006+FG	PE40	green	bar	6	•
UA-41-TP40C-050+FG	TP40	c-blue	coil	50	•
UA-41-TP40C-003+FG	TP40	c-blue	bar	3	•
UA-41-TP40C-006+FG	TP40	c-blue	bar	6	•

UB-41 profile



Application example

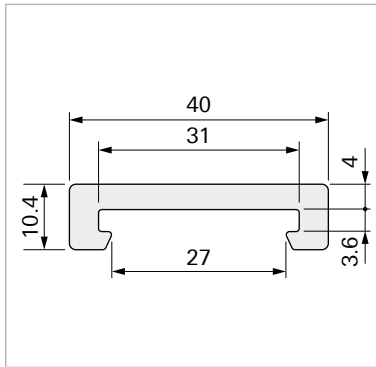
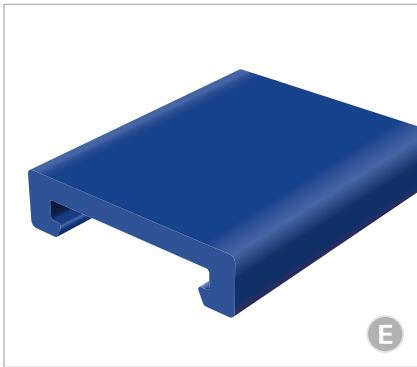


Habasit code	Material	Color	Packaging unit	Total length	Food grade
				m	
UB-41-PE10B-050+RC	PE10	black	coil	50	
UB-41-PE10B-006+RC	PE10	black	bar	6	
UB-41-PE40G-050+FG	PE40	green	coil	50	•

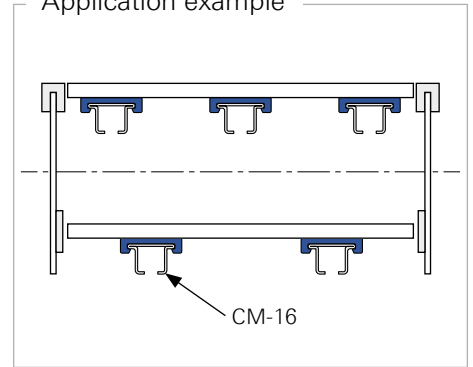
Wear strips and guides for plastic modular belts, chains and goods

26

US-40 profile

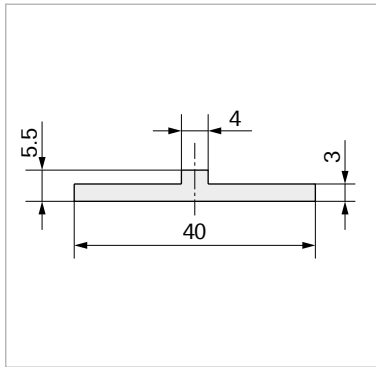
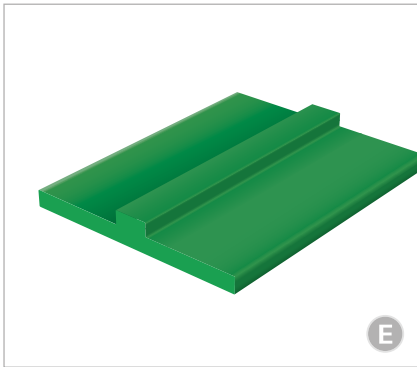


Application example

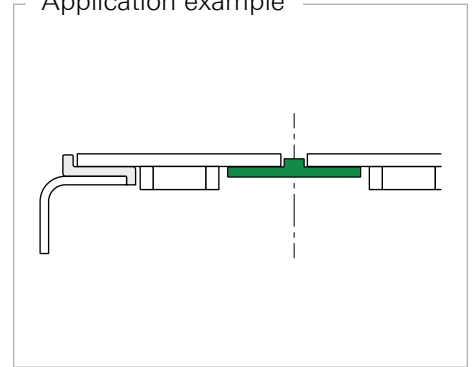


Habasit code	Material	Color	Packaging unit	Total length	Food grade
				m	
US-40-PE10B-003+RC	PE10	black	bar	3	
US-40-PE10B-006+RC	PE10	black	bar	6	
US-40-PE40W-003+FG	PE40	white	bar	3	•
US-40-PE40W-006+FG	PE40	white	bar	6	•
US-40-PE40G-003+FG	PE40	green	bar	3	•
US-40-PE40G-006+FG	PE40	green	bar	6	•
US-40-TP40C-003+FG	TP40	c-blue	bar	3	•
US-40-TP40C-006+FG	TP40	c-blue	bar	6	•

TA-40 profile



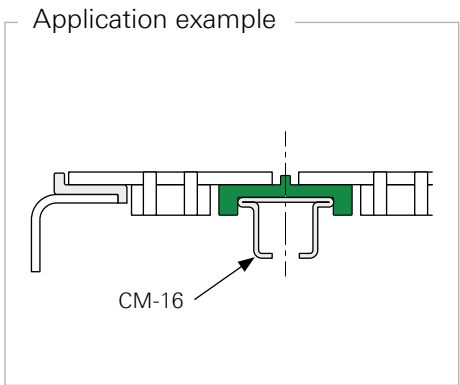
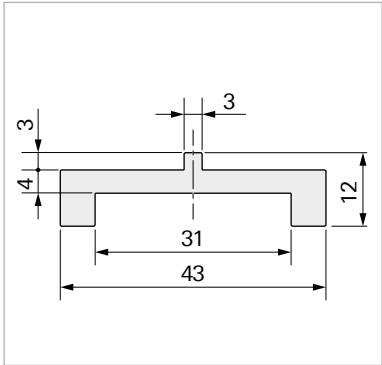
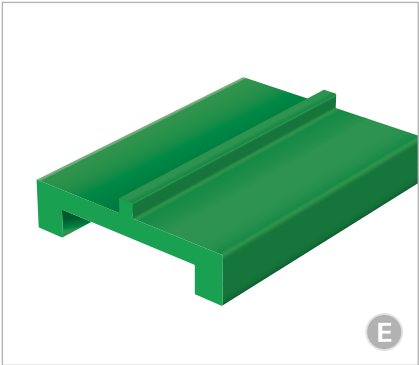
Application example



Habasit code	Material	Color	Packaging unit	Total length	Food grade
				m	
TA-40-PE40G-050+FG	PE40	green	coil	50	•

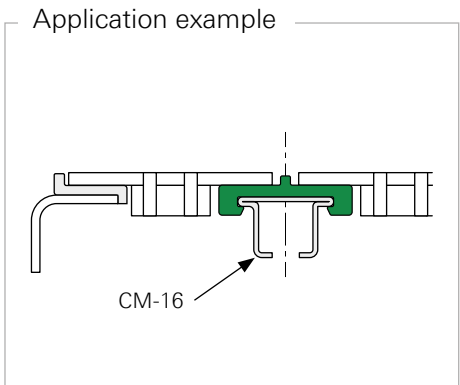
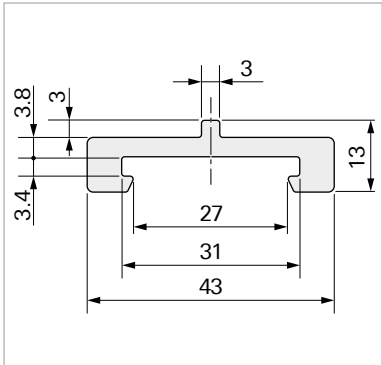
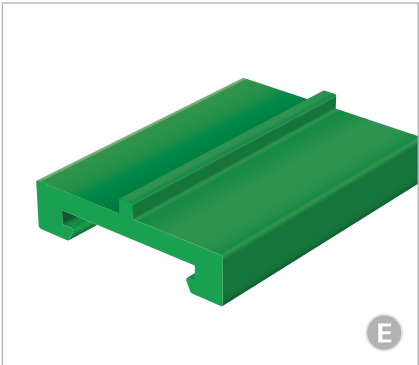
Wear strips and guides for plastic modular belts, chains and goods

TU-43 profile



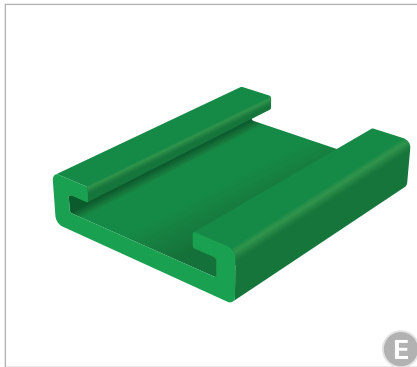
Habasit code	Material	Color	Packaging unit	Total length m	Food grade
TU-43-PE40G-050+FG	PE40	green	coil	50	•

TS-43 profile

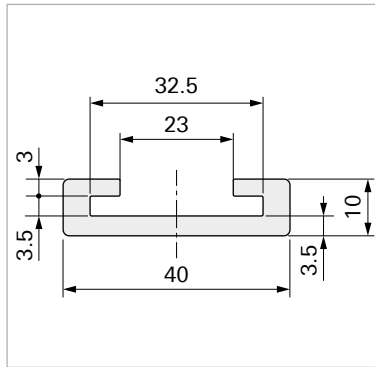


Habasit code	Material	Color	Packaging unit	Total length m	Food grade
TS-43-PE40G-003+FG	PE40	green	bar	3	•
TS-43-PE40G-006+FG	PE40	green	bar	6	•

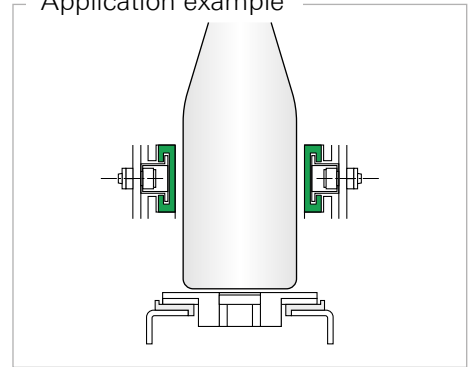
CA-40 profile



E

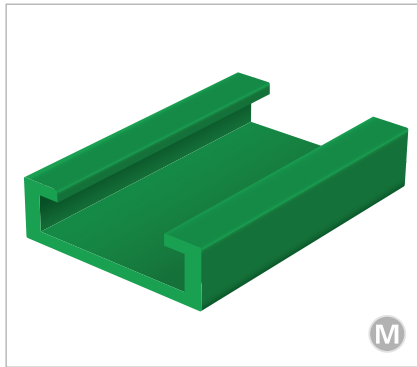


Application example

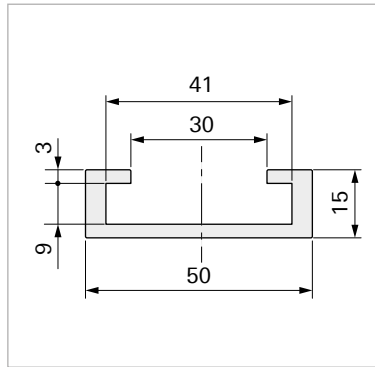


Habasit code	Material	Color	Packaging unit	Total length	Food grade
				m	
CA-40-PE10B-003+RC	PE10	black	bar	3	
CA-40-PE10B-006+RC	PE10	green	bar	6	
CA-40-PE40W-003+FG	PE40	white	bar	3	•
CA-40-PE40W-006+FG	PE40	white	bar	6	•
CA-40-PE40G-003+FG	PE40	green	bar	3	•
CA-40-PE40G-006+FG	PE40	green	bar	6	•
CA-40-TP40C-003+FG	TP40	c-blue	bar	3	•
CA-40-TP40C-006+FG	TP40	c-blue	bar	6	•

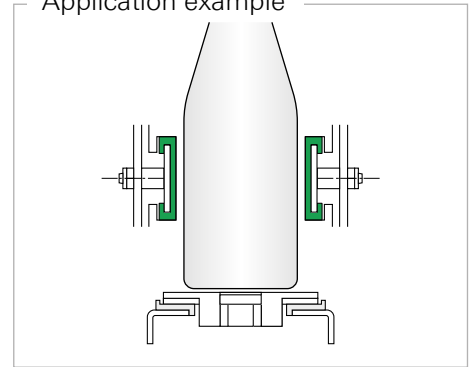
CA-50 profile



M



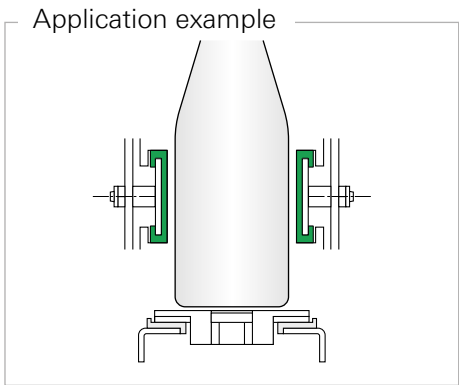
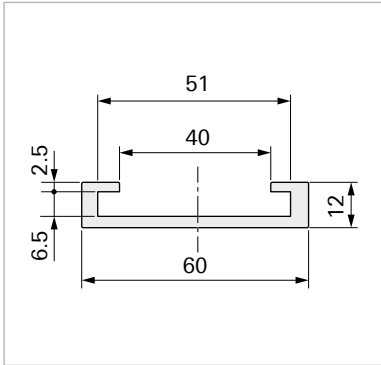
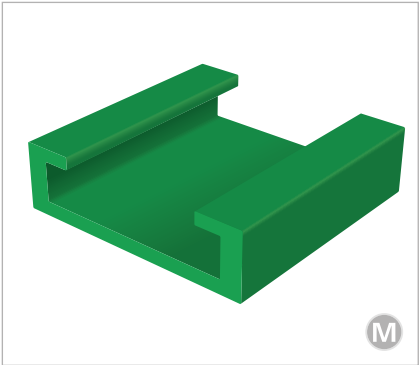
Application example



Habasit code	Material	Color	Packaging unit	Total length	Food grade
				m	
CA-50-PE10B-003+RC	PE10	black	bar	3	
CA-50-PE10G-003+RC	PE10	green	bar	3	
CA-50-PE05W-003+FG	PE05	white	bar	3	•

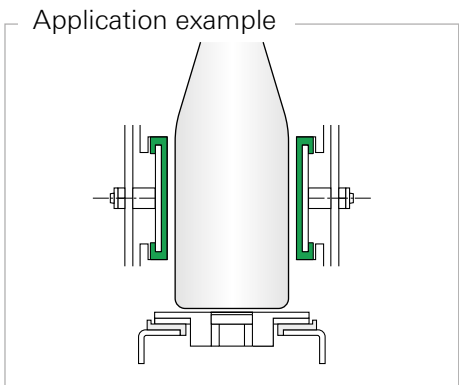
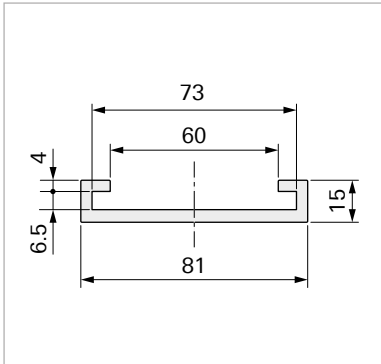
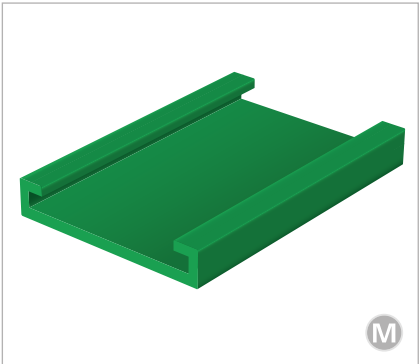
Wear strips and guides for plastic modular belts, chains and goods

CA-60 profile



Habasit code	Material	Color	Packaging unit	Total length	Food grade
				m	
CA-60-PE10B-003+RC	PE10	black	bar	3	
CA-60-PE10G-003+RC	PE10	green	bar	3	
CA-60-PE05W-003+FG	PE05	white	bar	3	•

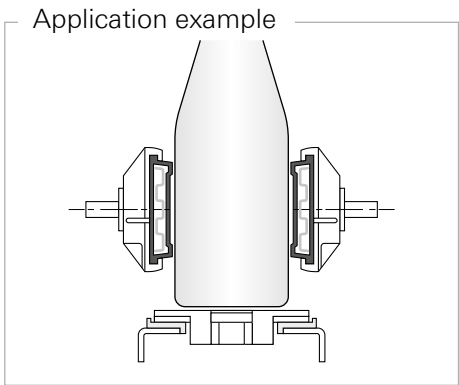
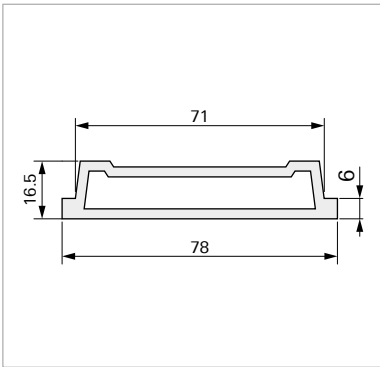
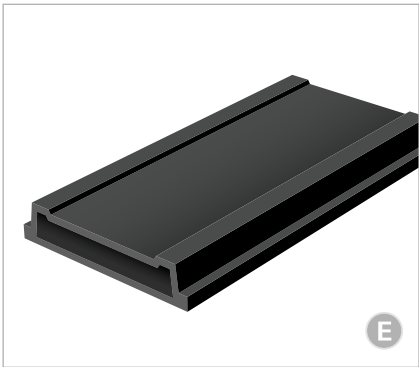
CA-81 profile



Habasit code	Material	Color	Packaging unit	Total length	Food grade
				m	
CA-81-PE10B-003+RC	PE10	black	bar	3	
CA-81-PE10G-003+RC	PE10	green	bar	3	
CA-81-PE05W-003+FG	PE05	white	bar	3	•

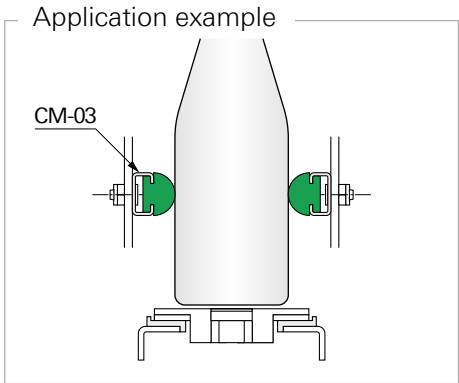
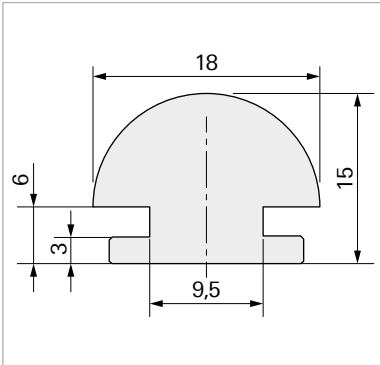
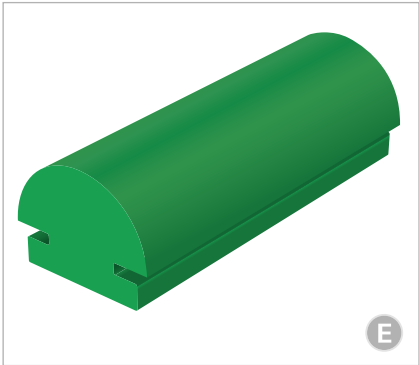
Wear strips and guides for plastic modular belts, chains and goods

DG-78 profile



Habasit code	Material	Color	Packaging unit	Total length
				m
DG-78 PE03B-003	PE03	black	bar	3

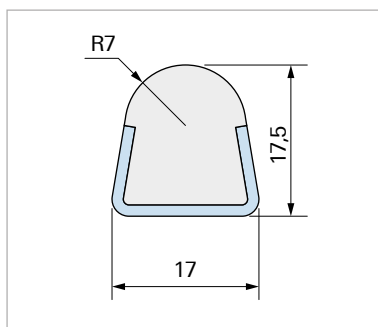
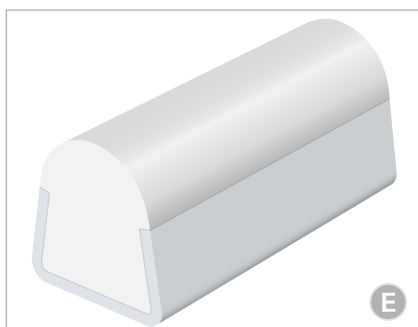
RA-18 profile



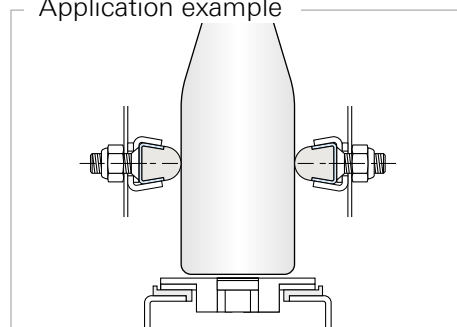
Habasit code	Material	Color	Packaging unit	Total length	Food grade
				m	
RA-18-PE40W-003+FG	PE40	white	bar	3	•
RA-18-PE40W-006+FG	PE40	white	bar	6	•
RA-18-PE40G-003+FG	PE40	green	bar	3	•
RA-18-PE40G-006+FG	PE40	green	bar	6	•

Wear strips and guides for plastic modular belts, chains and goods

RR-17 profile

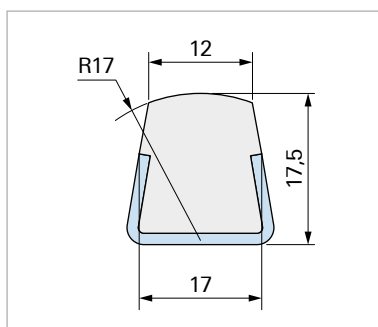
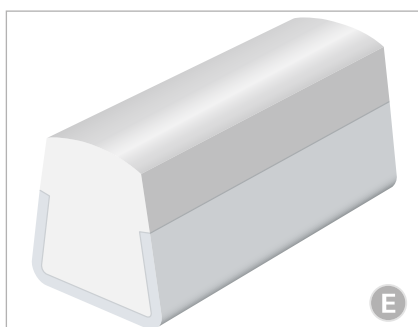


Application example

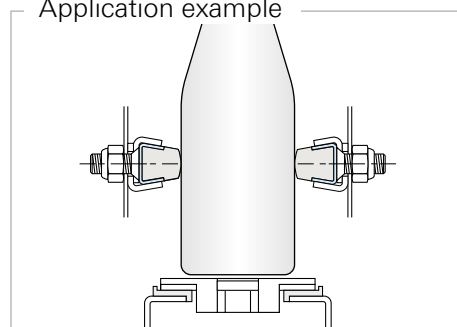


Habasit code	Material	Color	Assembled metal housing	Packaging unit	Total length	Food grade
					m	
RRV17-PE40W-003+FG	PE40	white ☐	AISI 304	bar	3	•
RRV17-PE40W-006+FG	PE40	white ☐	AISI 304	bar	6	•
RRW17-PE40W-003+FG	PE40	white ☐	AISI 430	bar	3	•

RS-17 profile

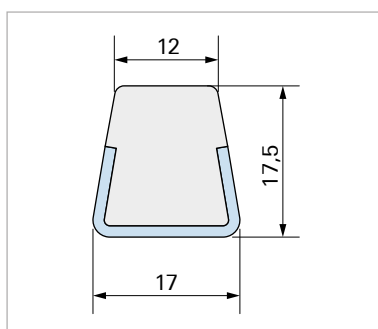
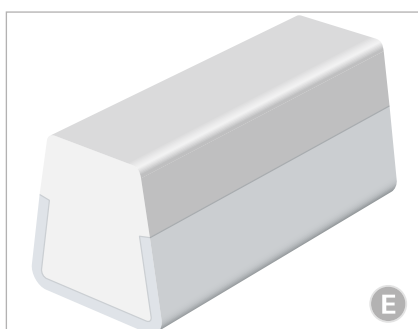


Application example

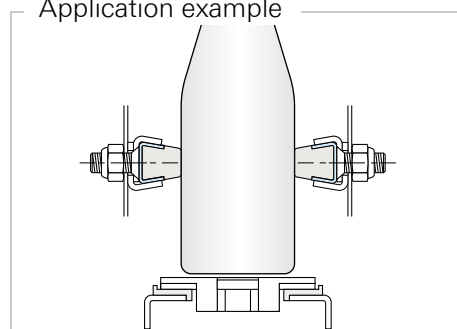


Habasit code	Material	Color	Assembled metal housing	Packaging unit	Total length	Food grade
					m	
RSV17-PE40W-003+FG	PE40	white ☐	AISI 304	bar	3	•

RF-17 profile



Application example

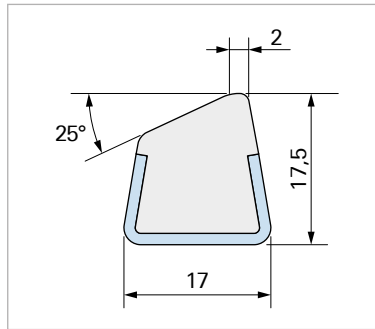
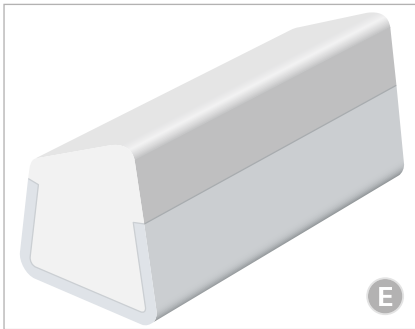


Habasit code	Material	Color	Assembled metal housing	Packaging unit	Total length	Food grade
					m	
RFV17-PE40W-003+FG	PE40	white ☐	AISI 304	bar	3	•

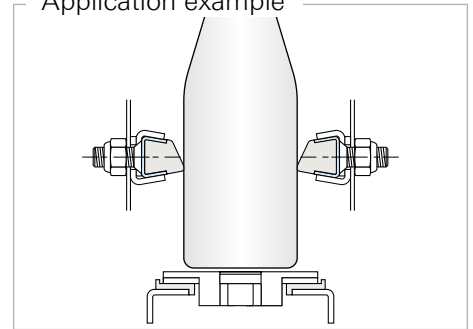
Extruded **E** Machined **M**

Black (non Food Grade) ☐ Natural white ☐ Green ☐ Cobalt blue ☐

RI-17 profile

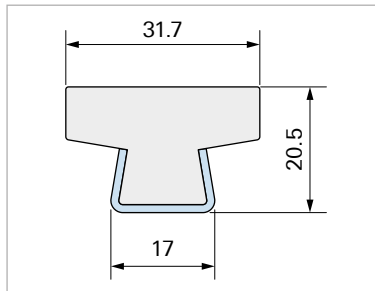
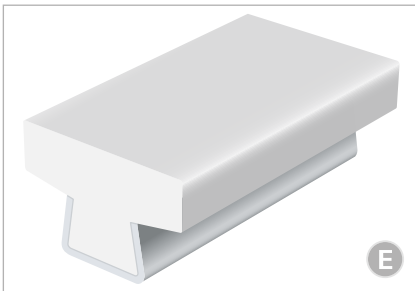


Application example

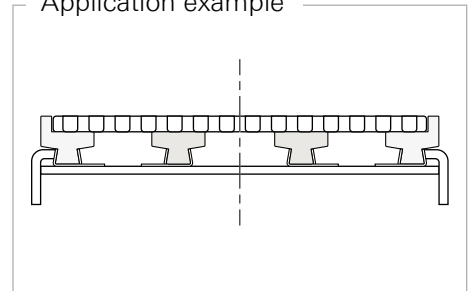


Habasit code	Material	Color	Assembled metal housing	Packaging unit	Total length	Food grade
					m	
RIV17-PE40W-003+FG	PE40	white ☐	AISI 304	bar	3	•

RT-32 profile

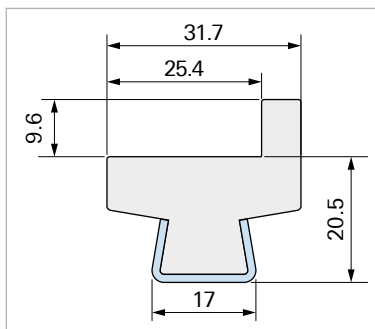
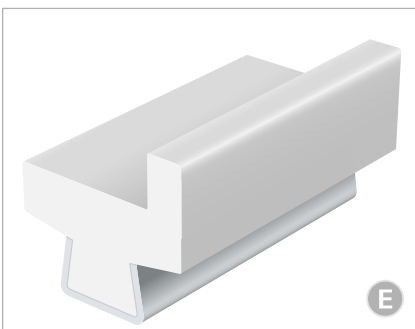


Application example

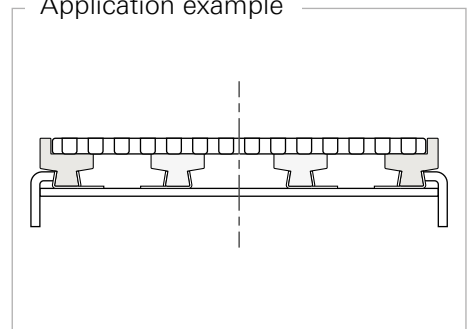


Habasit code	Material	Color	Assembled metal housing	Packaging unit	Total length	Food grade
					m	
RTV32-PE40W-003+FG	PE40	white ☐	AISI 304	bar	3	•
RTV32-PE40W-006+FG	PE40	white ☐	AISI 304	bar	6	•
RTW32-PE40W-003+FG	PE40	white ☐	AISI 430	bar	3	•
RTW32-PE40W-003+RC	PE40	white ☐	AISI 430	bar	6	•

RL-32 profile



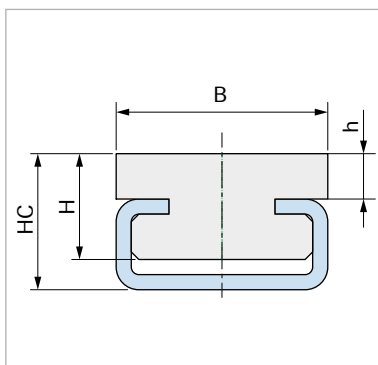
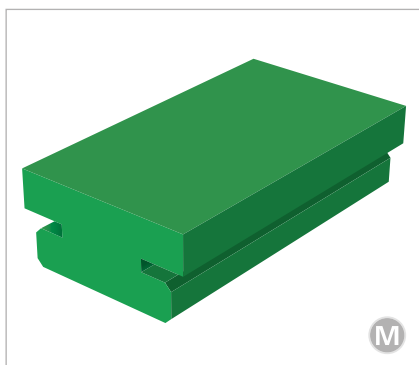
Application example



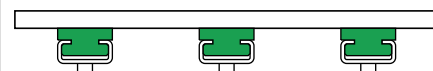
Habasit code	Material	Color	Assembled metal housing	Packaging unit	Total length	Food grade
					m	
RLV32-PE40W-003+FG	PE40	white ☐	AISI 304	bar	3	•
RLW32-PE40W-003+FG	PE40	white ☐	AISI 430	bar	3	•

Wear strips and guides for plastic modular belts, chains and goods

PC profile

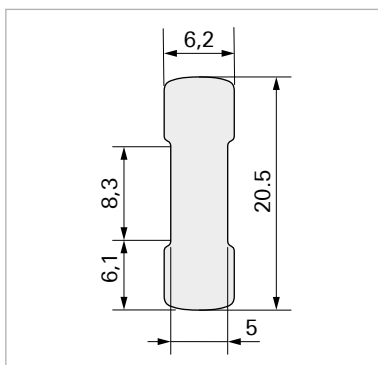


Application example

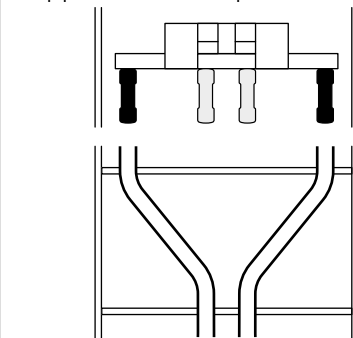


Habasit code	B	H	BC	HC	h	Material	suitable metal profile (not included)	Color	Packaging unit	Total length
	mm	mm	mm	mm	mm					m
PC-21-PE10G-003+RC	20	10	20	14	4	PE10	CM-03	green 	bar	3
PC-23-PE10G-003+RC	20	15	20	17	7	PE10	CM-03	green 	bar	3
PC-25-PE10G-003+RC	20	20	20	22	12	PE10	CM-03	green 	bar	3
PC-31-PE10G-003+RC	28	10	28	15	3	PE10	CM-05	green 	bar	3
PC-33-PE10G-003+RC	28	15	28	18	6	PE10	CM-05	green 	bar	3
PC-35-PE10G-003+RC	28	20	28	24	12	PE10	CM-05	green 	bar	3
PC-41-PE10G-003+RC	38	10	38	21	3	PE10	CM-09	green 	bar	3
PC-43-PE10G-003+RC	38	15	38	24	6	PE10	CM-09	green 	bar	3
PC-45-PE10G-003+RC	38	20	38	30	12	PE10	CM-09	green 	bar	3

PA-21 profile



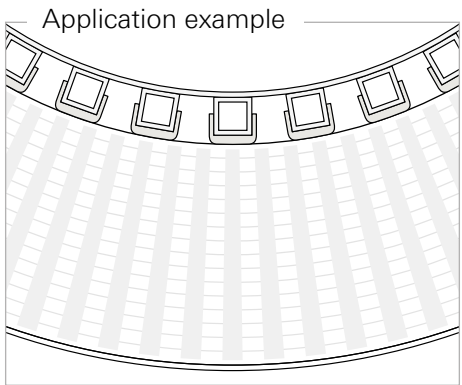
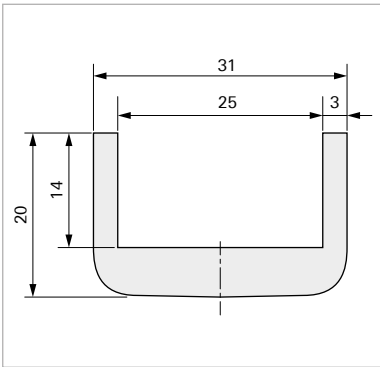
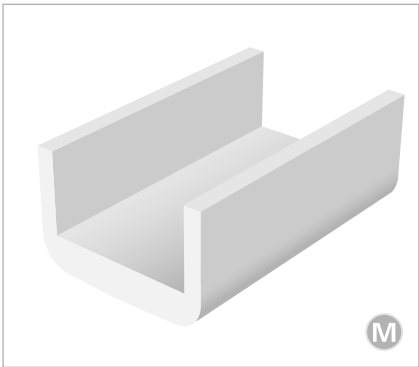
Application example



Habasit code	Material	Color	Packaging unit	Total length	Food grade
				m	
PA-21-PE10B-050+RC	PE10	black 	coil	50	
PA-21-PE40W-050+FG	PE40	white 	coil	50	•

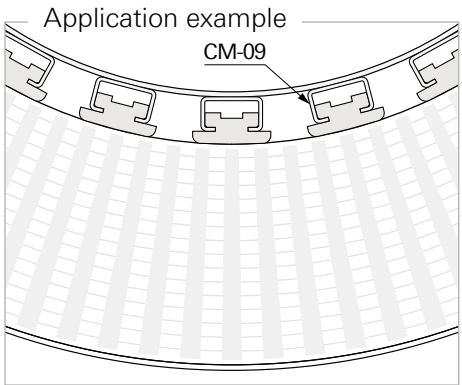
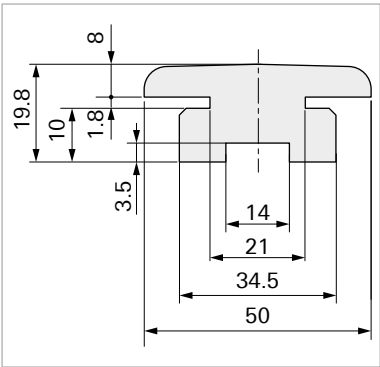
Wear strips and guides for plastic modular belts, chains and goods

UC-31 profile



Habasit code	Material	Color	Packaging unit	Total length	Food grade
				m	
UC-31-PE40W-003+FG	PE40	white	bar	3	•

PS-50 profile

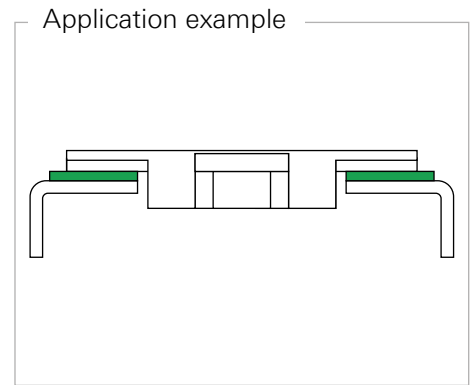
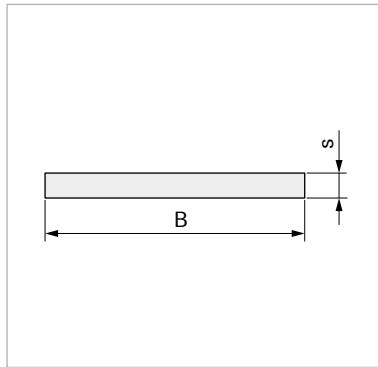


Habasit code	Material	Metal profile (not included)	Color	Packaging unit	Total length	Food grade
					m	
PS-50-PE40W-003+FG	PE40	CM-09	white	bar	3	•

Wear strips and guides for plastic modular belts, chains and goods

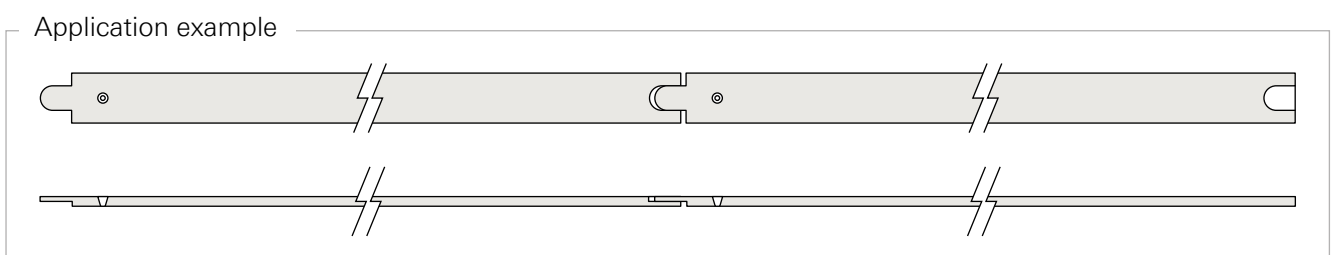
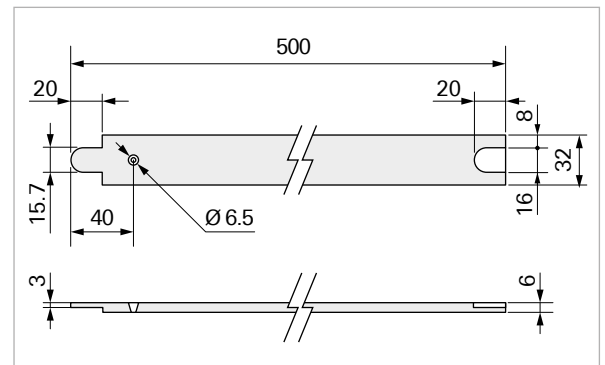
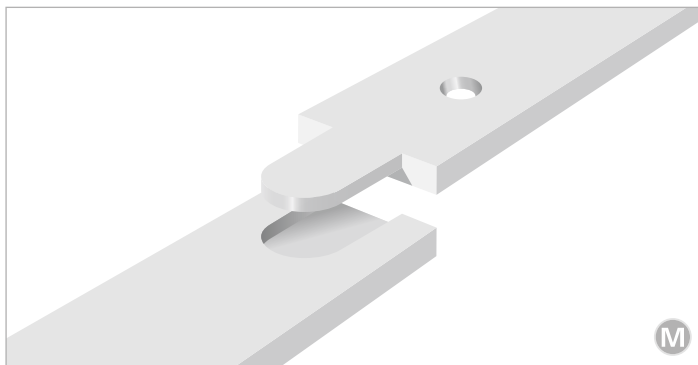
35

A Tapes



Habasit code	Material	B	s	Color	Packaging unit	Total length
		mm	mm			m
A2280-PE03G-050	PE03	280.0	2.0	green	coil	50
A3260-PE03G-050	PE03	260.0	3.0	green	coil	50
A4240-PE03G-050	PE03	240.0	4.0	green	coil	50
A5220-PE03G-025	PE03	220.0	5.0	green	coil	25

WS wearstrips



Habasit code	Decription	Material	color	N° per box
WS-01-PE03W	Wear strip 01	PE03	white	100
WSK01-PE03W	Wear strip Kit 01	PE03	white	100
WSS01-PA6EW	Screw M6x30	PA6	white	100
WSN01-POMCW	Nut M6	POM	white	100

Extruded Machined

Black (non Food Grade) Natural white Green Cobalt blue

In addition to the extruded and machined profiles, HabiPLAST™ offers a complete range of corner and straight tracks, designed for the use with both plastic and metal chains.

Tab and Bevel tracks

For several years, Tab and Bevel tracks have been the most common solution to guide chains along the curved section of conveyors.

They still represent the most cost effective solution where the frequent conveyor cleaning and the stability of the product conveyed are not considered a top priority.

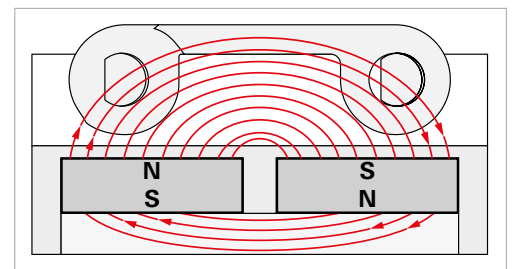
Tab and Bevel tracks are normally provided in UHMW Polyethylene. Other materials are available on request.

Magnetic Tracks

HabiPLAST™ magnetic corner tracks have been developed to allow easy and quick removal of the conveyor chain for frequent cleaning operations. At the same time, the tracks optimize chain retention along the curve.

The chain is held down by the force of magnetic poles. The number and position of the poles along the track are designed to maximize chain retention while minimizing the energy consumption required to move the chain.

HabiPLAST magnetic corner tracks are suitable for use with both plastic and metal chains.



The recommended material combination for magnetic tracks is:

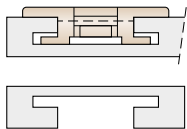
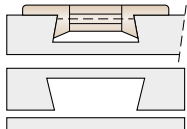
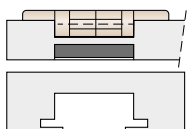
- TriboPlus cobalt blue TP40C for the carry lane
 - UHMW black polyethylene PE10B for the return lane
- TriboPlus is a new generation of specially lubricated polyethylene with outstanding tribological properties.

Compared to the standard high density polyethylene (UHMW-PE), laboratory tests have shown the following properties:

- Reduction of friction and power consumption of around 50%
- Almost total absence of wear
- Much higher load limit

Other materials are available on request.

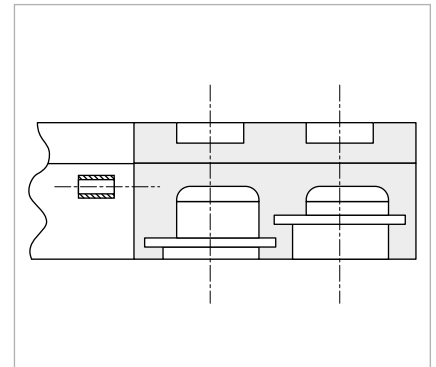
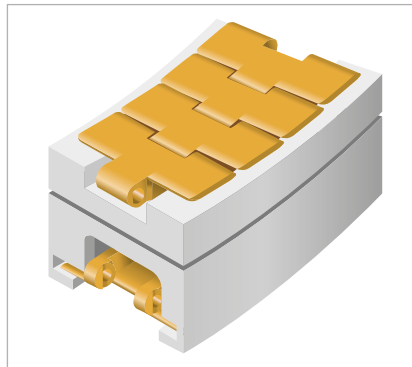
Product properties	Your benefit
Lower friction	Energy savings
Less noise	Improved working conditions
Higher wear resistance	Less dusting and consequent higher level of hygiene
Higher speed and load limits	Higher productivity
Self-lubrication	Less maintenance
Longer life	Lower operational costs

Type	Advantages	Disadvantages
• Tab 	• Good holding retention • One piece return track	• Chain edge will lift • Chain can not be removed from track • More noisy
• Bevel 	• Chain flat through Curve • Chain can be removed from straight section	• Two pieces return track • Lack of mechanical retention
• Magnetic 	• Chain flat through Curve • Chain can be removed from straight and curve section	• Thick return track • Lack of mechanical retention • More expensive

Installation

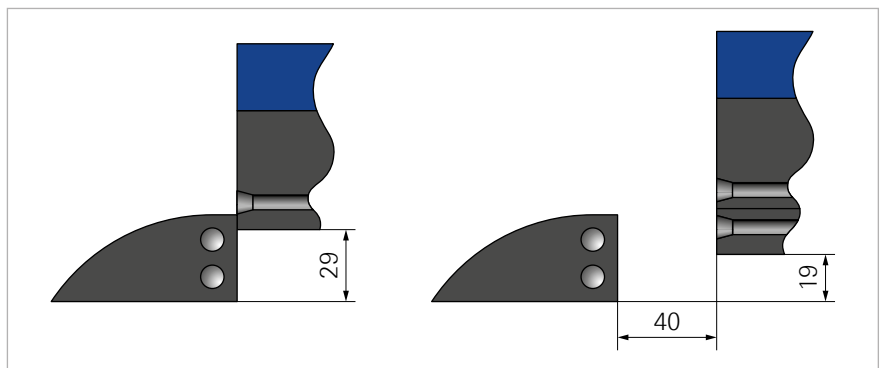
HabiPLAST™ magnetic tracks are supplied not assembled together with stainless steel assembly screws.

On request they can be provided with side holes or threaded inserts.



Accessories

Magnetic tracks are often used in combination with return guide shoes, that help the alignment of the chain to the return cavities of the tracks.



Code structure

POS 1	POS 2	POS 3-4	POS 5	POS 6	POS 7	POS 8-10	POS 11-12	POS 13	POS 14-15	POS 16	POS 17-18
T	E	16	D	T	T	- 9 0	- 1	T	- 0	0	- -
Type of track	Track series	Chain width*	Radius*	Lane type	Design	Angle (corner T)* Length (straight T)	Nr of lanes *	Material	Special radius	Tangents *	Special Features
T= Corner	B= C0770	16= 3.25	C= 600	T= Top track	B= Bevel			T= TP40-C+FG		0= No tangents	
S= Straight	E= C0880	23= 4.50	D= 500	B= Bottom track	T= Tab			R= PE10-B+RC		1= 4" tangents both side	
	G= C0882	38= 7.50	E= 650	M= or Bottom plate (Bevel)	M= Magnetic			U= PE40-W+FG		2= 4" tangent infeed side	
	H= C1061	50= 10.00	G= 750		S= Straight			N= PA6C-D+LF		3= 4" tangent discharge side	
	I= C0800	60= 12.00	H= 800					S= PE10-G+RC		4= 50 mm tangent both side	
			I= 900					E= TP40-B+FE		5= 50 mm tangent infeed side	
			J= 1000							6= 50 mm tangent discharge side	
			M= 860							X= special tangents	
			R= 457 (18")								
			U= 610 (24")								

*: see Product Data Sheets for available materials, colors, dimensions and features.

Chain tracks

Magnetic Corner Tracks C0880 series

38

Chain Types: C0880M, C0881M.

Chain width: 3.25"/3.30", 4.50". (7.50" available on request).

Radii: 500 mm, 610 mm (24"). Centerline 1st lane

Angle: 30°, 45°, 60°, 90°

Standard materials:

T - TP40-C (Blue), carry track,

R - PE10-B (Black), carry + return track.

Standard lanes: 1 to 3. Lanes from 4 to 8 available on request.

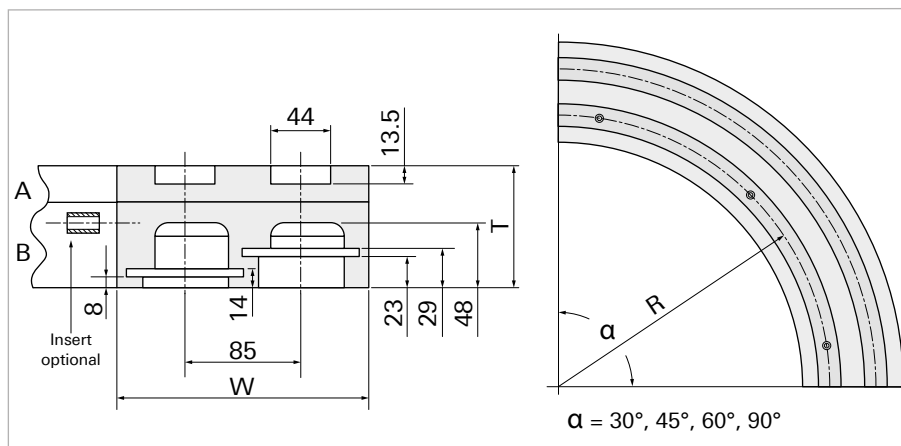
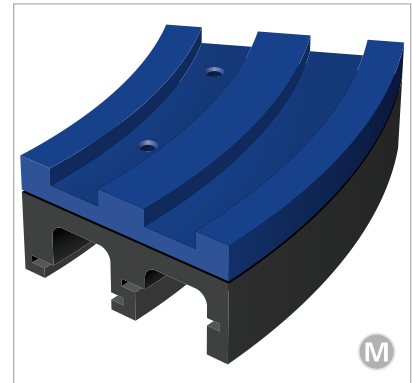
Supplied as: Single track. For carry + return, order (A) + (B).

Part (A): Carry track, provided with assembled magnets.

Part (B): Return track, provided with stainless steel assembly screws.

Accessories on request: return shoes (see data sheet) and inserts.

Special configurations on request: tangents, special radii, special angles, mounting options. Other materials: PE40-W (Nat White), PA6C-D+LF (Grey).



Application example



Data

Chain width	Lanes	Width W	Thickness T	Part	Radius 500 mm		Radius 610 mm (24")	
					TP40	PE10	TP40	PE10
3.25" / 3.30"	1	100	27	A	TE16DTM-##-1T-00	TE16DTM-##-1R-00	TE16UTM-##-1T-00	TE16UTM-##-1R-00
			55	B		TE16DBM-##-1R-00		TE16UBM-##-1R-00
	2	185	27	A	TE16DTM-##-2T-00	TE16DTM-##-2R-00	TE16UTM-##-2T-00	TE16UTM-##-2R-00
			63	B		TE16DBM-##-2R-00		TE16UBM-##-2R-00
	3	270	27	A	TE16DTM-##-3T-00	TE16DTM-##-3R-00	TE16UTM-##-3T-00	TE16UTM-##-3R-00
			63	B		TE16DBM-##-3R-00		TE16UBM-##-3R-00
4.50"	1	129	27	A	TE23DTM-##-1T-00	TE23DTM-##-1R-00	TE23UTM-##-1T-00	TE23UTM-##-1R-00
			55	B		TE23DBM-##-1R-00		TE23UBM-##-1R-00
	2	246	27	A	TE23DTM-##-2T-00	TE23DTM-##-2R-00	TE23UTM-##-2T-00	TE23UTM-##-2R-00
			63	B		TE23DBM-##-2R-00		TE23UBM-##-2R-00
	3	363	27	A	TE23DTM-##-3T-00	TE23DTM-##-3R-00	TE23UTM-##-3T-00	TE23UTM-##-3R-00
			63	B		TE23DBM-##-3R-00		TE23UBM-##-3R-00

Complete the product code by substituting ## with the chosen angle

Ex.: TE16DTM-**90**-1T-00 (90° corner track in TP40-C material).

Chain tracks

Magnetic Corner Tracks C1061 series

Chain Types: C1061M.

Chain width: 3.30".

Radii: 500 mm, 610 mm (24"). Centerline 1st lane.

Angle: 30°, 45°, 60°, 90°

Standard materials:

T - TP40-C (Blue), carry track,

R - PE10-B (Black), carry + return track.

Standard Lanes: 1 to 3. Lanes from 4 to 8 available on request.

Supplied as: Single track. For carry + return, order (A) + (B).

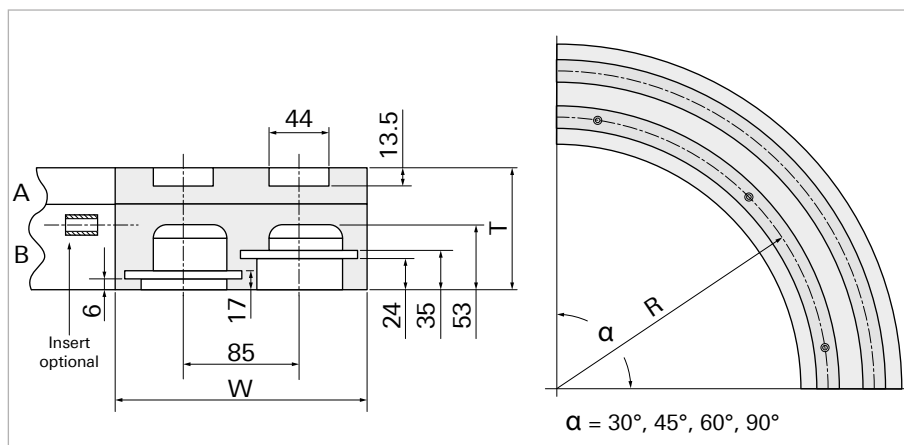
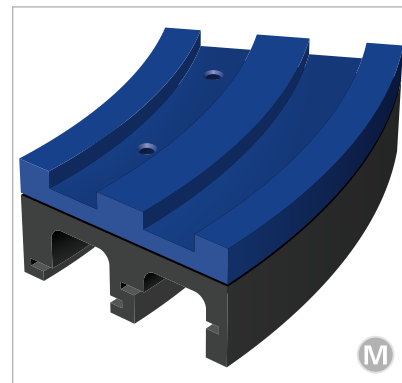
Part (A): Carry track, provided with assembled magnets.

Part (B): Return track, provided with stainless steel assembly screws.

Accessories on request: return shoes (see data sheet) and inserts.

Special configurations on request: tangents, special radii, special angles, mounting options. Other materials:

PE40-W (Nat White), PA6E-D+LF (Grey).



Application example



Data

Chain width	Lanes	Width W	Thickness T	Part	Radius 500 mm		Radius 610 mm (24")	
					TP40	PE10	TP40	PE10
3.25" / 3.30"	1	100	27	A	TH17DTM-##-1T-00	TH17DTM-##-1R-00	TH17UTM-##-1T-00	TH17UTM-##-1R-00
			55	B		TH17DBM-##-1R-00		TH17UBM-##-1R-00
	2	185	27	A	TH17DTM-##-2T-00	TH17DTM-##-2R-00	TH17UTM-##-2T-00	TH17UTM-##-2R-00
			63	B		TH17DBM-##-2R-00		TH17UBM-##-2R-00
	3	270	27	A	TH17DTM-##-3T-00	TH17DTM-##-3R-00	TH17UTM-##-3T-00	TH17UTM-##-3R-00
			63	B		TH17DBM-##-3R-00		TH17UBM-##-3R-00

Complete the product code by substituting ## with the chosen angle

Ex.: TH17DTM-**90**-1T-00 (90° corner track in TP40-C material).

Chain tracks

Tab Corner Tracks C0880 series

Chain Types: C0880T, C0879T, C1061T, C0881T & C8811T.

Also compatible: C0890T & C0770T.

Chain width: 3.25"/3.30", 4.50", 7.50"

Angle: 90°. Other angles on request.

Standard materials:

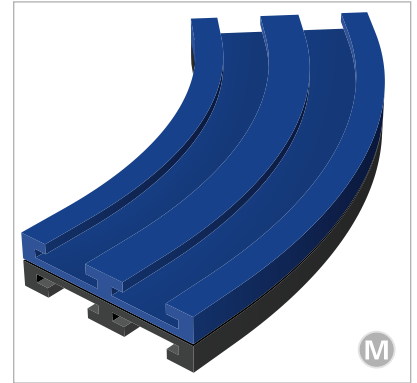
T - TP40-C (Blue),

R - PE10-B (Black).

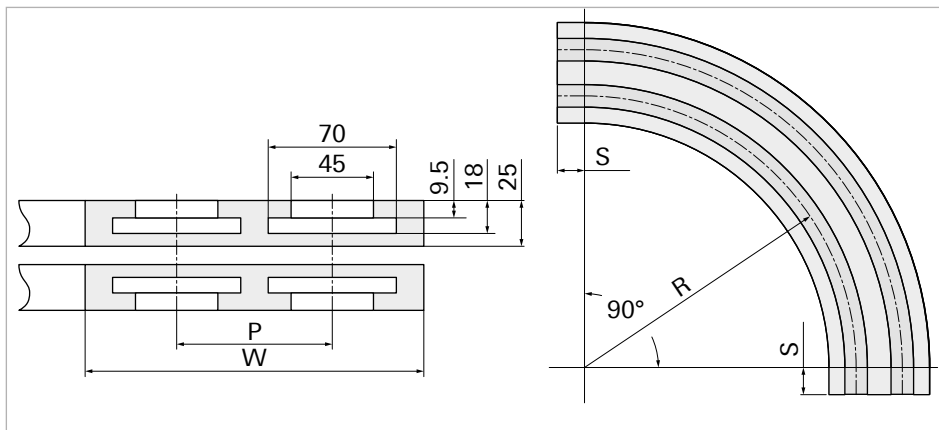
Other materials on request: PE40-W (Nat White), PE05B (Black), PA6C-D+LF (Grey).

Lanes: 1, 2, 3. Additional lanes on request.

Supplied as: Single tracks. For carry + return, order 2 tracks.



M



Application example



Data

Chain width	Lanes	Pitch P	Width W	Straight Tangents S	Radius R (Centreline 1st lane)			
					457 mm (18")*	500 mm	610 mm (24")	800 mm
3.25" 3.30"	1	-	100	-	TE16RTT-90-1#-00	-	TE16UTT-90-1#-00	-
	1	-	100	50	-	TE16DTT-90-1#-04	TE16UT-90-1#-04	-
	2	85	185	50	-	TE16DTT-90-2#-04	-	-
	3	85	270	50	-	TE16DTT-90-3#-04	-	-
4.50"	1	-	130	-	-	-	TE23UTT-90-1#-00	-
	1	-	130	50	-	-	TE23UTT-90-1#-04	TE23HTT-90-1#-04
	2	120	250	50	-	-	TE23UTT-90-2#-04	TE23HTT-90-2#-04
	3	120	370	50	-	-	TE23UTT-90-3#-04	-
7.50"	1	-	200	-	-	-	TE38UTT-90-1#-00	-
	1	-	200	50	-	-	TE38UTT-90-1#-04	TE38HTT-90-1#-04
	2	195	395	50	-	-	TE38UTT-90-2#-04	-
	3	195	590	50	-	-	TE38UTT-90-3#-04	-

Complete the product code by substituting # with the chosen material code

Ex.: TE23UTT-90-1**T**-00 (corner track in TP40-C Blue).

*not suitable for C1061T chain

Machined 

Chain tracks

Tab Straight Tracks C0880 series

Chain Types: C0880T, C0879T, C1061T, C0881T & C8811T.

Also compatible: C0890T & C0770T.

Chain width: 3.25"/3.30", 4.50", 7.50".

Standard materials:

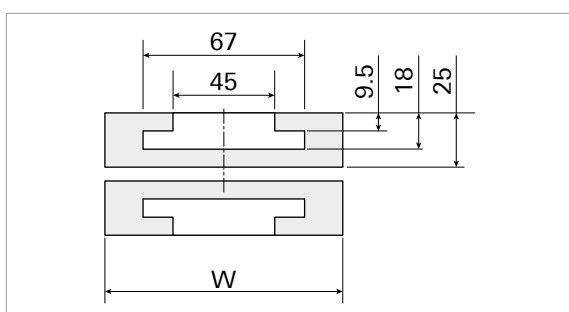
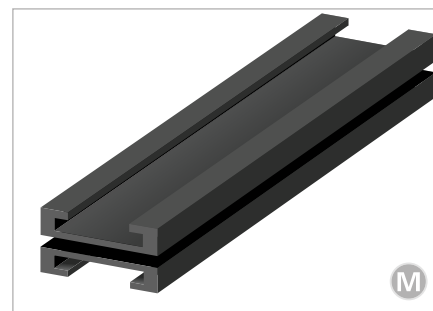
U - PE40-W (Nat White),

R - PE10-B (Black).

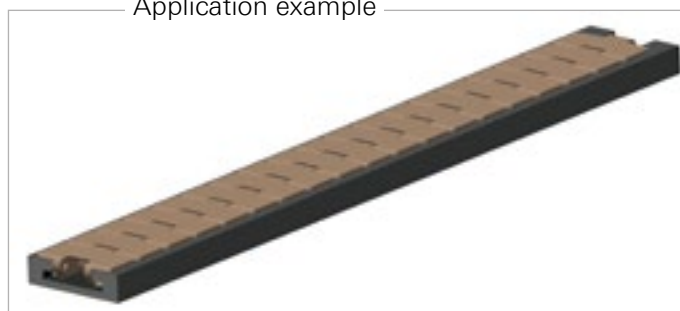
Other materials on request: TP40-C (Blue), PE05-B (Black).

Lanes: 1, Additional lanes on request.

Supplied as: Single lane. For carry + return, order 2 lines.



Application example



Data

Chain width	Lanes	Width W	Length 2m	Length 10ft
3.25"/3.30"	1	100	SE160TT200-1#-00	SE160TT305-1#-00
4.50"	1	130	SE230TT200-1#-00	SE230TT305-1#-00
7.50"	1	200	SE380TT200-1#-00	SE380TT305-1#-00

Complete the product code by substituting # with the chosen material code.

Ex.: SE160TT200-1**U**-00 (straight track in PE40-W)

Chain tracks

Tab Corner Tracks C0882 series

Chain Types: C0882T.

Chain width: 4.50", 7.50", 10", 12".

Angle: 90°. Other angles on request.

Standard materials:

T - TP40-C (Blue),

R - PE10-B (Black).

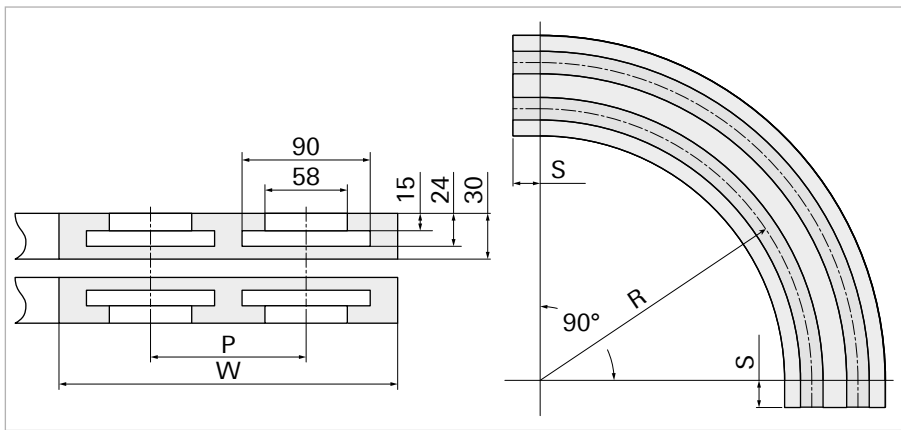
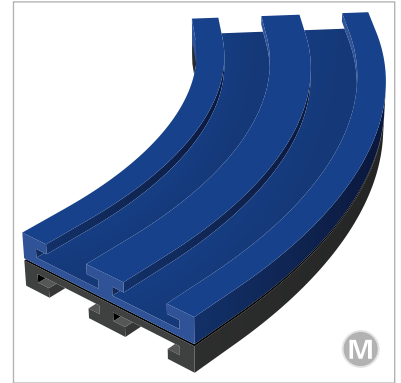
Other materials on request: PE40-W (Nat White),

PE05-B (Black), PA6C-D+LF (Grey).

Lanes: 1, 2, 3. Additional lanes on request.

Supplied as: single track.

For carry + return, order 2 tracks.



Application example



Data

Chain width	Lanes	Pitch P	Width W	Straight Tangents S	Radius R (Centreline 1st lane)			
					610 mm (24")	650 mm	800 mm	1000 mm
4.50"	1	-	130	-	TG23UTT-90-1#-00	-	-	-
	1	-	130	50	TG23UTT-90-1#-04	TG23ETT-90-1#-04	TG23HTT-90-1#-04	TG23JTT-90-1#-04
	2	120	250	50	TG23UTT-90-2#-04	-	-	-
	3	120	370	50	TG23UTT-90-3#-04	-	-	-
7.50"	1	-	200	-	TG38UTT-90-1#-00	-	-	-
	1	-	200	50	TG38UTT-90-1#-04	TG38ETT-90-1#-04	TG38HTT-90-1#-04	TG38JTT-90-1#-04
	2	195	395	50	TG38UTT-90-2#-04	-	-	-
	3	195	590	50	TG38UTT-90-3#-04	-	-	-
10"	1	-	270	-	TG50UTT-90-1#-00	-	-	-
	1	-	270	50	TG50UTT-90-1#-04	TG50ETT-90-1#-04	TG50HTT-90-1#-04	TG50JTT-90-1#-04
	2	260	530	50	TG50UTT-90-2#-04	-	-	-
	3	260	790	50	TG50UTT-90-3#-04	-	-	-
12"	1	-	320	-	TG60UTT-90-1#-00	-	-	-
	1	-	320	50	TG60UTT-90-1#-04	TG60ETT-90-1#-04	TG60HTT-90-1#-04	TG60JTT-90-1#-04
	2	310	630	50	TG60UTT-90-2#-04	-	-	-
	3	310	940	50	TG60UTT-90-3#-04	-	-	-

Complete the product code by substituting # with the chosen material code
Ex.: TG23UTT-90-1**T**-00 (corner track in TP40-C).

Chain tracks

Tab Straight Tracks C0882 series

Chain Types: C0882T.

Chain width: 4.50", 7.50", 10", 12".

Standard materials:

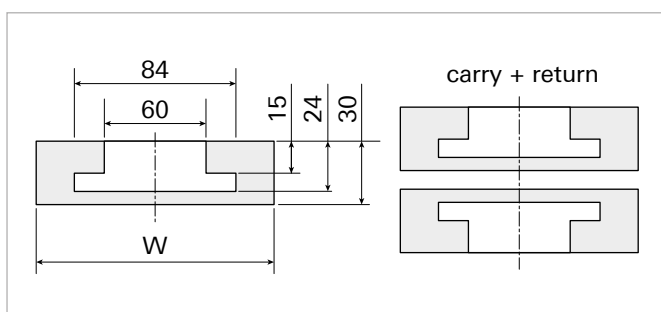
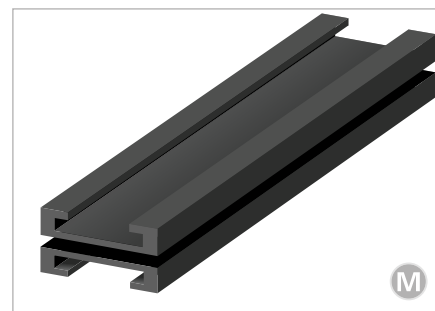
U - PE40-W (Nat White),

R - PE10-B (Black).

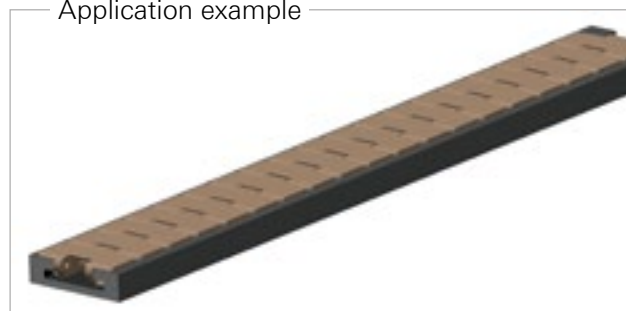
Other materials on request: TP40-C (Blue), PE05-B (Black)

Lanes: 1, Additional lanes on request.

Supplied as: Single lane. For carry + return, order 2 lines.



Application example



Data

Chain width	Lanes	Width W	Length 2m	Length 10ft
4.50"	1	130	SG230TT200-1#-00	SG230TT305-1#-00
7.50"	1	200	SG380TT200-1#-00	SG380TT305-1#-00
10"	1	270	SG500TT200-1#-00	SG500TT305-1#-00
12"	1	320	SG600TT200-1#-00	-

Complete the product code by substituting # with the chosen material code

Ex.: SG230TT200-1**U**-00 (straight track in PE40-W).

Chain tracks

Bevel Corner Tracks C0880 series

44

Chain Types: C0880B,C0879B,C1071B, C0881B & C8811B.

Chain width: 3.25"/3.30",4.50",7.50".

Angle: 90°. Other angles on request.

Standard materials:

T - TP40-C (Blue) chain track,

R - PE10-B (Black) chain track + support plate.

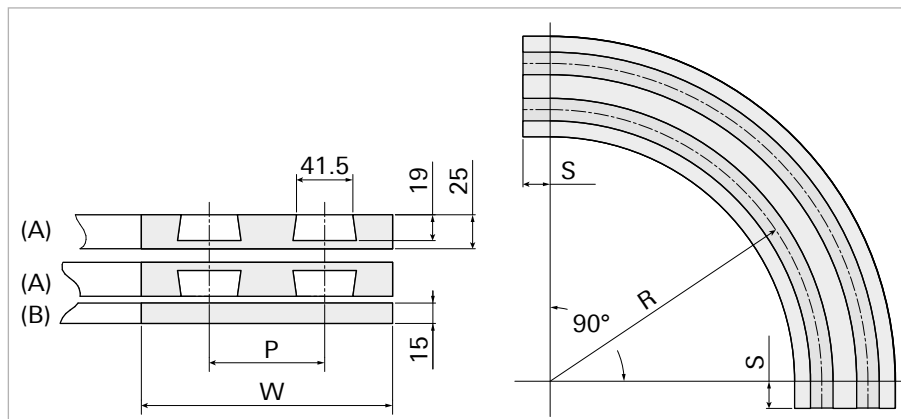
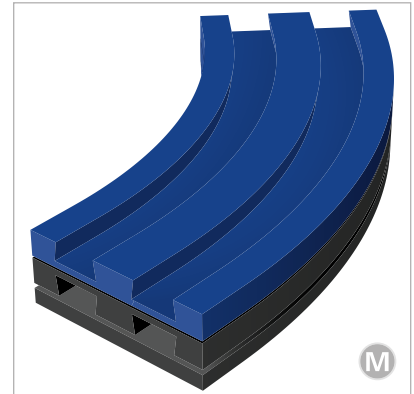
Other materials on request: PE40-W(Nat White),

PE05-B(Black), PA6C-D+LF (Grey).

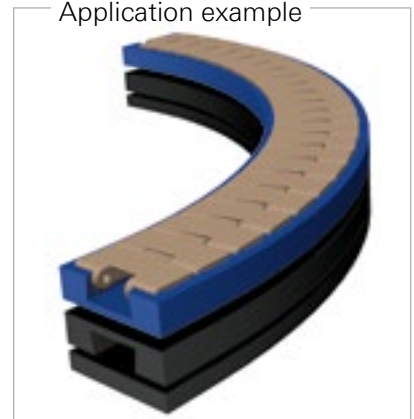
Lanes: 1, 2, 3. Additional lanes on request.

Supplied as: Single track. Part (A): Chain track, Part (B): Support plate.

For carry + return, order 2 x (A) and 1 x (B).



Application example



Data

Chain width	Lanes	Pitch P	Width W	Straight Tangents S	Part	Radius R (Centreline 1st lane)			
						457 mm (18")	500 mm	610 mm (24")	800 mm
3.25" 3.30"	1	-	100	-	A	TE16RTB-90-1#-00	-	TE16UTB-90-1#-00	-
					B	TE16RBB-90-1R-00	-	TE16UBB-90-1R-00	-
				50	A	-	TE16DTB-90-1#-04	TE16UTB-90-1#-04	-
					B	-	TE16DBB-90-1R-04	TE16UBB-90-1R-04	-
	2	85	185	50	A	-	TE16DTB-90-2#-04	-	-
					B	-	TE16DBB-90-2R-04	-	-
4.50"	1	-	130	-	A	-	-	TE23UTB-90-1#-00	-
					B	-	-	TE23UBB-90-1R-00	-
				50	A	-	-	TE23UTB-90-1#-04	TE23HTB-90-1#-04
					B	-	-	TE23UBB-90-1R-04	TE23HBB-90-1R-04
	2	120	250	50	A	-	-	TE23UTB-90-2#-04	TE23HTB-90-2#-04
					B	-	-	TE23UBB-90-2R-04	TE23HBB-90-2R-04
	3	120	370	50	A	-	-	TE23UTB-90-3#-04	-
					B	-	-	TE23UBB-90-3R-04	-
7.50"	1	-	200	-	A	-	-	TE38UTB-90-1#-00	-
					B	-	-	TE38UBB-90-1R-00	-
				50	A	-	-	TE38UTB-90-1#-04	TE38HTB-90-1#-04
					B	-	-	TE38UBB-90-1R-04	TE38HBB-90-1R-04
	2	195	395	50	A	-	-	TE38UTB-90-2#-04	-
					B	-	-	TE38UBB-90-2R-04	-
	3	195	590	50	A	-	-	TE38UTB-90-3#-04	-
					B	-	-	TE38UBB-90-3R-04	-

Complete the product code by substituting # with the chosen material code

Ex.: TE23UTB-90-1**T**-00 (corner track in TP40-C).

Machined 

Chain tracks

Bevel Straight Tracks C0880 series

Chain Types: C0880B,C0879B,C1071B, C0881B & C8811B.

Also compatible with C0820, C0828, C0831.

Chain width: 3.25"/3.30",4.50",7.50".

Standard materials:

U - PE40-W (Nat White),

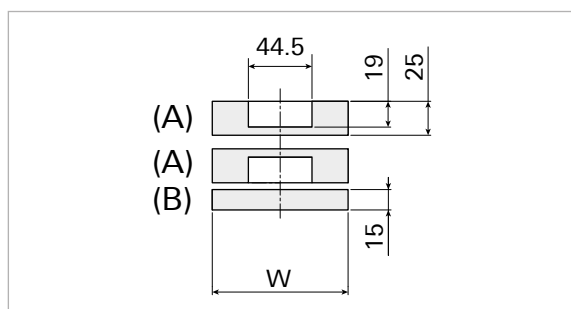
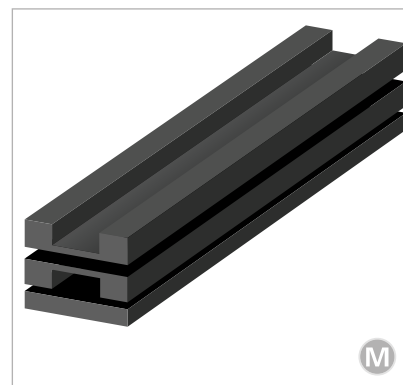
R - PE10-B (Black).

Other materials on request: TP40-C (Blue), PE05-B(Black).

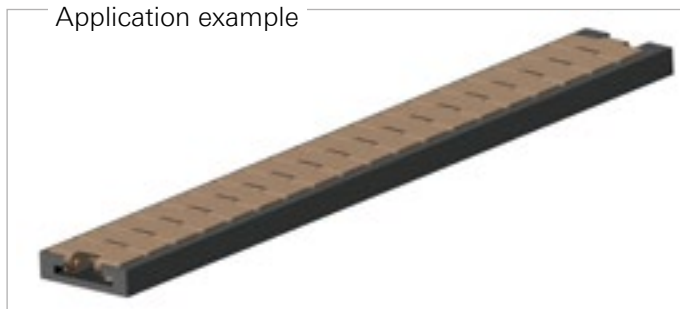
Lanes: 1, Additional lanes on request.

Supplied as: Single lane. Part (A): chain track, Part (B): support plate

For carry + return, order 2 x (A) and 1 x (B).



Application example



Data

Part	Chain width	Lanes	Width W	Length 2m	Length 10ft
A	3.25"/3.30"	1	100	SE160TB200-1#-00	SE160TB305-1#-00
	4.50"	1	130	SE230TB200-1#-00	SE230TB305-1#-00
	7.50"	1	200	SE380TB200-1#-00	SE380TB305-1#-00
B	3.25"/3.30"	1	100	SE160BB200-1#-00	SE160BB305-1#-00
	4.50"	1	130	SE230BB200-1#-00	SE230BB305-1#-00
	7.50"	1	200	SE380BB200-1#-00	SE380BB305-1#-00

Complete the product code by substituting # with the chosen material code

Ex.: SE160TB200-1**U**-00 (corner track in PE40-W).

Chain tracks

Bevel Corner Tracks C0882 series

46

Chain Types: C0882B.

Chain width: 4.50", 7.50", 10".

Angle: 90°. Other angles on request.

Standard materials:

T - TP40-C (Blue) chain track,

R - PE10-B (Black) chain track + support plate.

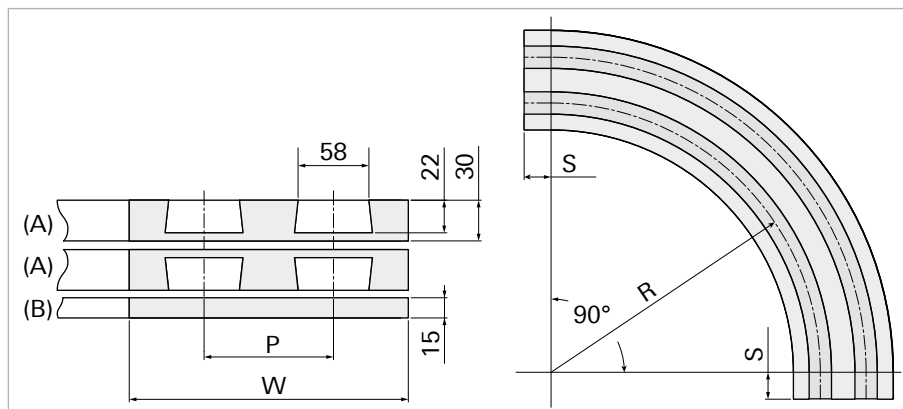
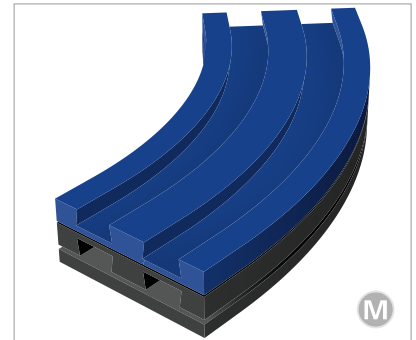
Other materials on request: PE40-W (Nat White),

PE05-B (Black), PA6C-D+LF (Grey).

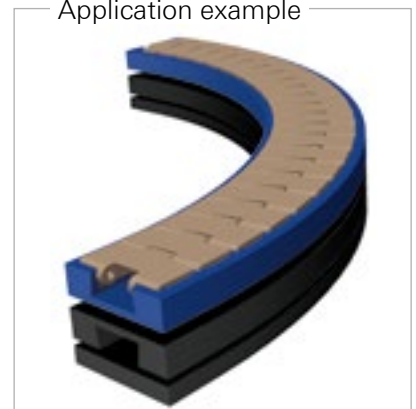
Lanes: 1, 2, 3. Additional lanes on request.

Supplied as: Single track. Part (A): Chain track; Part (B): Support plate;

For carry + return, order 2 x (A) and 1 x (B), exception see (*).



Application example



Data

Chain width	Lanes	Pitch P	Width W	Straight Tangents S	Part	Radius R (Centreline 1st lane)			
						610 mm (24")	650 mm	800 mm	1000 mm
4.50"	1	-	130	-	A	TG23UTB-90-1#-00	-	-	-
				-	B	TG23UBB-90-1R-00	-	-	-
				50	A	TG23UTB-90-1#-04	TG23ETB-90-1#-04	TG23HTB-90-1#-04	TG23JTB-90-1#-04
				50	B	TG23UBB-90-1R-04	TG23EBB-90-1R-04	TG23HBB-90-1R-04	TG23JBB-90-1R-04
	2	120	250	50	A	TG23UTB-90-2#-04	-	-	-
				50	B	TG23UBB-90-2R-04	-	-	-
7.50"	1	-	200	-	A	TG38UTB-90-1#-00	-	-	-
				-	B	TG38UBB-90-1R-00	-	-	-
				50	A	TG38UTB-90-1#-04	TG38ETB-90-1#-04	TG38HTB-90-1#-04	TG38JTB-90-1#-04
				50	B	TG38UBB-90-1R-04	TG38EBB-90-1R-04	TG38HBB-90-1R-04	TG38JBB-90-1R-04
	2	195	395	50	A	TG38UTB-90-2#-04	-	-	-
				50	B	TG38UBB-90-2R-04	-	-	-
10"	1	-	270	-	A	TG50UTB-90-1#-00	-	-	-
				-	B	TG50UBB-90-1R-00	-	-	-
				50	A	TG50UTB-90-1#-04	TG50ETB-90-1#-04	TG50HTB-90-1#-04	TG50JTB-90-1#-04
				50	B	TG50UBB-90-1R-04	TG50EBB-90-1R-04	TG50HBB-90-1R-04	TG50JBB-90-1R-04
	2	260	530	50	A	TG50UTB-90-2#-04	-	-	-
				50	B	TG50UBB-90-2R-04	-	-	-
10"	3(*)	260	790	50	A (*)	TG50UTB-45-3#-04	-	-	-
					B (*)	TG50UBB-45-3R-04	-	-	-

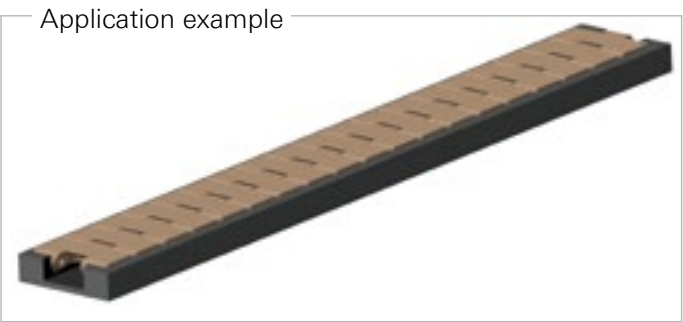
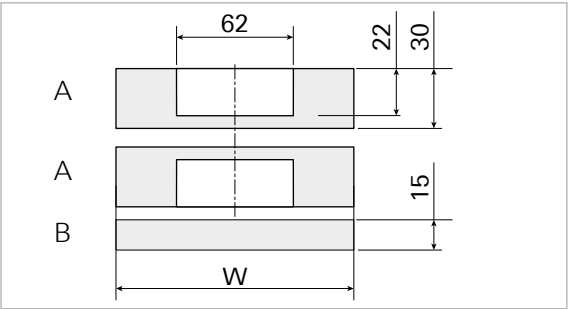
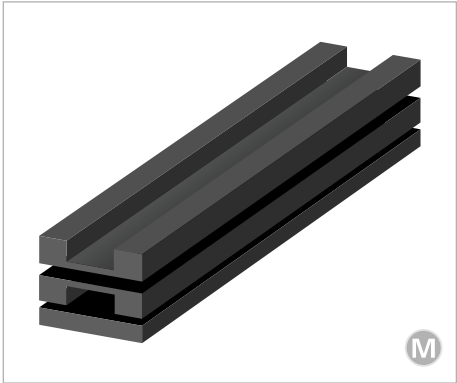
(*) For 90°, 10" 3-lanes chain tracks order 4 times the 45° single chain track (A) and 2 times the 45° support plate (B). Complete the product code by substituting # with the chosen material code
Ex.: TG23UTB-90-1**T**-00 (corner track in TP40-C Blue).

Machined 

Chain tracks

Bevel Straight Tracks C0882 series

Chain Types: C0882B.
Chain width: 4.50", 7.50", 10".
Standard materials:
U - PE40-W (Nat White),
R - PE10-B (Black).
Other materials on request: TP40-C (Blue),
PE05-B (Black).
Lanes: 1, Additional lanes on request.
Supplied as: Single lane
Part (A): chain track
Part (B): support plate
For carry + return, order 2 x (A) and 1 x (B).



Data

Part	Chain width	Lanes	Width W	Length 2m	Length 10ft
A	4.50"	1	130	SG230TB200-1#-00	SG230TB305-1#-00
	7.50"	1	200	SG380TB200-1#-00	SG380TB305-1#-00
	10"	1	270	SG500TB200-1#-00	SG500TB305-1#-00
B	4.50"	1	130	SG230BB200-1#-00	SG230BB305-1#-00
	7.50"	1	200	SG380BB200-1#-00	SG380BB305-1#-00
	10"	1	270	SG500BB200-1#-00	SG500BB305-1#-00

Complete the product code by substituting # with the chosen material code
Ex.: SG230TB200-1**U**-00 (corner track in PE40-W).

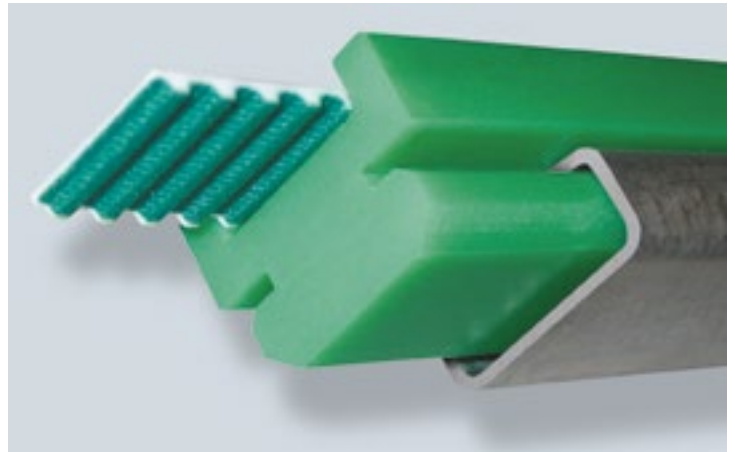
Guides for timing belts

HabaSYNC® timing belts support conveying and linear movement applications where optimum performance requires precise product placement and component positioning. High-quality materials coupled with our state-of-the-art manufacturing process and years of experience ensure innovative solutions tailored to your needs. HabiPLAST™ timing belt support guides are designed to allow timing belts to run smoothly across a low-friction surface.

Our guides are manufactured in Ultra High Molecular Weight Polyethylene, which offers the following advantages:

- high chemical resistance
- corrosion resistance
- wear resistance
- low noise.

The product range fits standard HabaSYNC® belt widths and can be supplied with or without metallic profiles.



Guides for round belts, V-belts and roller chains

HabiPLAST™ profiles are the best solution for improving performances and reducing maintenance of V-belts, round belts, and roller chains.

- Excellent sliding of the chain/belt
- Great wear resistance
- Low coefficient of friction (less drive energy required)
- Low noise
- Good resistance to impacts also at low temperature
- High chemical resistance
- Easy and quick assembly
- Corrosion resistance



Guides for HabaSYNC® timing belts, round belts, V-belts, and roller chains

49

The standard material for guide profiles is HabiPLAST™ PE10 UHMW Polyethylene, green color. Other materials are available on request. Habasit offers a full range of standard guides and can produce any kind of profile according to customer's specifications.

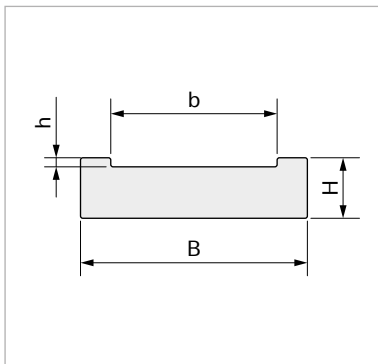
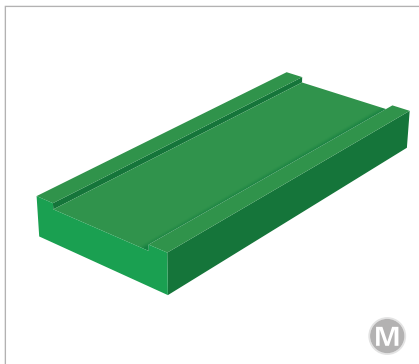


Code structure

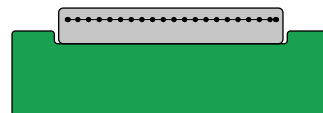
POS 1-2	POS 3	POS 4-5	POS 6	POS 7-10	POS 11	POS 12	POS 13-15	POS 16	POS 17-18								
T	1	-	1	5	-	P	E	1	0	G	-	0	0	3	+	R	C
Product series (profile type)	Reference of the “CM” type suitable metal profile	Drawing identification (it identifies the belt/chain reference or the profile dimension).			-	Material				Color		-	Dimension (meters)		+	Special features	
	C = CM-03 E = CM-05 J = CM-09 K = CM-10 M = CM-11 P = CM-14/ CM-15				PE03 - PE05 PE10 - PE40 PE80 - TP40 PA6E - PA6C PA66 POMC PP00 PTFE PVC0 PETC				B = black W = nat. white G = green C = cobalt blue T = blue D = grey Y = yellow R = red A = orange N = brown						FG = food grade EC = conductive FE = food grade + conductive RC = recycled RK = recycled confetti structure LF = low friction MO = MoS2 AR = antistatic recycled G1 = Glass fiber reinforced 10% G2 = Glass fiber reinforced 5% (US 13%) G3 = Glass fiber reinforced 20% G4 = Glass fiber reinforced 25% G5 = Glass fiber reinforced 30% (US 33%)		

*: see Product Data Sheets for available materials, colors, dimensions and features.

SF profile



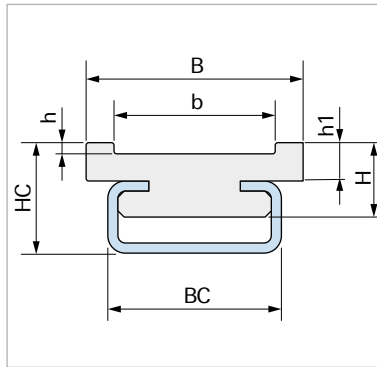
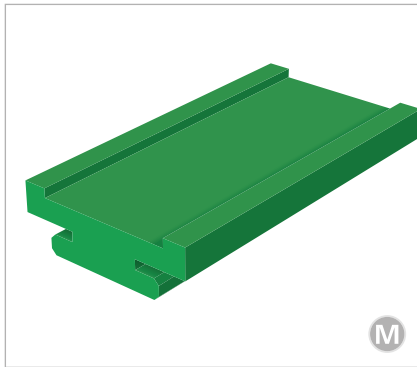
Application example



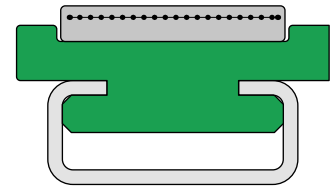
Habasit code	Belt types	B	H	b	h	Packaging unit	Total length
		mm	mm	mm	mm		m
SF-02-PE10G-003+RC	T5 16-AT5 16	25	10	17	1,8	bar	3
SF-03-PE10G-003+RC	T5 25-AT5 25	34	10	26	1,8	bar	3
SF-04-PE10G-003+RC	T5 32-AT5 32	41	10	33	1,8	bar	3
SF-05-PE10G-003+RC	T5 50-AT5 50	59	10	51	1,8	bar	3
SF-08-PE10G-003+RC	T10 16-AT10 16	25	15	17	3,8	bar	3
SF-09-PE10G-003+RC	T10 25-AT10 25	34	15	26	3,8	bar	3
SF-10-PE10G-003+RC	T10 32-AT10 32	41	15	33	3,8	bar	3
SF-11-PE10G-003+RC	T10 50-AT10 50	59	15	51	3,8	bar	3
SF-12-PE10G-003+RC	T10 75-AT10 75	84	15	76	3,8	bar	3
SF-13-PE10G-003+RC	T10 100-AT10 100	109	15	101	3,8	bar	3
SF-16-PE10G-003+RC	T20 25-AT20 25	34	20	26	7	bar	3
SF-17-PE10G-003+RC	T20 32-AT20 32	41	20	33	7	bar	3
SF-18-PE10G-003+RC	T20 50-AT20 50	59	20	51	7	bar	3
SF-19-PE10G-003+RC	T20 75-AT20 75	84	20	76	7	bar	3
SF-20-PE10G-003+RC	T20 100-AT20 100	109	20	101	7	bar	3

Material: PE UHMW Polyethylene, Green color

SF(X) profile



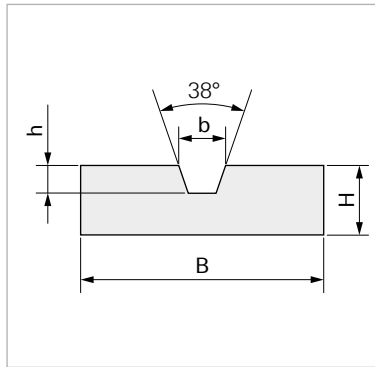
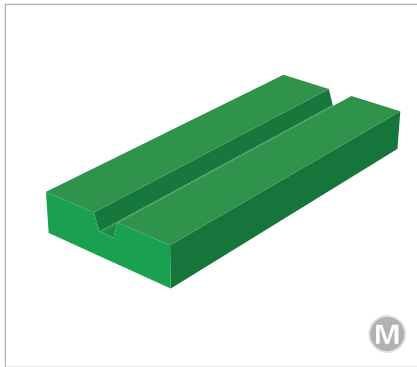
Application example



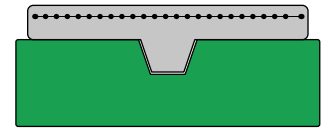
Habasit code	Belt types	B	H	BC	HC	h1	b	h	Suitable metal profile*	Packaging unit	Total length
		mm	mm	mm	mm	mm	mm	mm			m
SFE02-PE10G-003+RC	T5 16-AT5 16	25	15	28	19	7	17	1,8	CM-5	bar	3
SFE03-PE10G-003+RC	T5 25-AT5 25	34	15	28	19	7	26	1,8	CM-5	bar	3
SFJ04-PE10G-003+RC	T5 32-AT5 32	41	20	38	25	7	33	1,8	CM-9	bar	3
SFJ05-PE10G-003+RC	T5 50-AT5 50	59	20	38	25	7	51	1,8	CM-9	bar	3
SFE08-PE10G-003+RC	T10 16-AT10 16	25	17	28	21	9	17	3,8	CM-5	bar	3
SFE09-PE10G-003+RC	T10 25-AT10 25	34	17	28	21	9	26	3,8	CM-5	bar	3
SFJ10-PE10G-003+RC	T10 32-AT10 32	41	22	38	27	9	33	3,8	CM-9	bar	3
SFJ11-PE10G-003+RC	T10 50-AT10 50	59	22	38	27	9	51	3,8	CM-9	bar	3
SFJ12-PE10G-003+RC	T10 75-AT10 75	84	22	38	27	9	76	3,8	CM-9	bar	3
SFJ13-PE10G-003+RC	T10 100-AT10 100	109	22	38	27	9	101	3,8	CM-9	bar	3
SFE16-PE10G-003+RC	T20 25-AT20 25	34	20	28	24	12	26	7	CM-5	bar	3
SFJ17-PE10G-003+RC	T20 32-AT20 32	41	25	38	30	12	33	7	CM-9	bar	3
SFJ18-PE10G-003+RC	T20 50-AT20 50	59	25	38	30	12	51	7	CM-9	bar	3
SFJ19-PE10G-003+RC	T20 75-AT20 75	84	25	38	30	12	76	7	CM-9	bar	3
SFJ20-PE10G-003+RC	T20 100-AT20 100	109	25	38	30	12	101	7	CM-9	bar	3

Material: PE UHMW Polyethylene, Green color - * metal profile not includedSuitable

SV profile



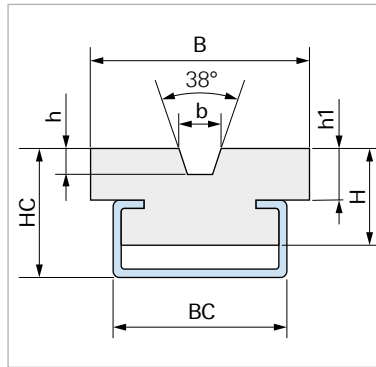
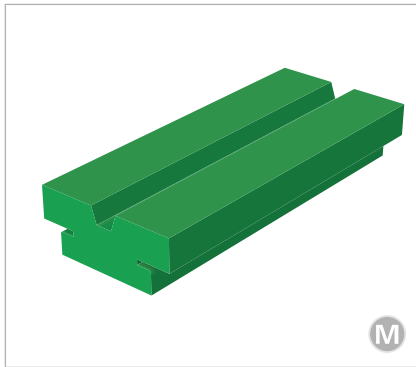
Application example



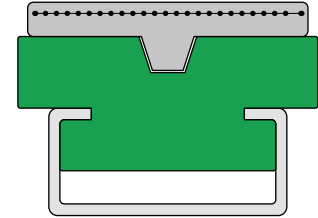
Habasit Code	Belt types	Track shape	B	H	b	h	Packaging unit	Total length
			mm	mm	mm	mm		m
SV-23-PE10G-003+RC	TG5 16-ATG5 16	G6	25	10	6	3,5	bar	3
SV-25-PE10G-003+RC	TG5 25-ATG5 25	G6	35	10	6	3,5	bar	3
SV-27-PE10G-003+RC	TG5 32-ATG5 32	G6	41	10	6	3,5	bar	3
SV-29-PE10G-003+RC	TG5 50-ATG5 50	G6	59	10	6	3,5	bar	3
SV-32-PE10G-003+RC	TG10 25-ATG10 25	G6	35	10	5,5	2,5	bar	3
SV-33-PE10G-003+RC	TG10 25-ATG10 25	G10	35	10	9,5	4,5	bar	3
SV-34-PE10G-003+RC	TG10 25-ATG10 25	G13	35	10	13	5	bar	3
SV-37-PE10G-003+RC	TG10 32-ATG10 32	G6	41	10	5,5	2,5	bar	3
SV-38-PE10G-003+RC	TG10 32-ATG10 32	G10	41	10	9,5	4,5	bar	3
SV-39-PE10G-003+RC	TG10 32-ATG10 32	G13	41	10	13	5	bar	3
SV-42-PE10G-003+RC	TG10 50-ATG10 50	G6	59	15	5,5	2,5	bar	3
SV-43-PE10G-003+RC	TG10 50-ATG10 50	G10	59	15	9,5	4,5	bar	3
SV-44-PE10G-003+RC	TG10 50-ATG10 50	G13	59	15	13	5	bar	3
SV-47-PE10G-003+RC	TG10 75-ATG10 75	G6	84	15	5,5	2,5	bar	3
SV-48-PE10G-003+RC	TG10 75-ATG10 75	G10	84	15	9,5	4,5	bar	3
SV-49-PE10G-003+RC	TG10 75-ATG10 75	G13	84	15	13	5	bar	3
SV-52-PE10G-003+RC	TG10 100-ATG10 100	G6	109	15	5,5	2,5	bar	3
SV-53-PE10G-003+RC	TG10 100-ATG10 100	G10	109	15	9,8	4,5	bar	3
SV-54-PE10G-003+RC	TG10 100-ATG10 100	G13	109	15	13	5	bar	3
SV-58-PE10G-003+RC	TG20 32-ATG20 32	G13	41	20	11,5	2,5	bar	3
SV-61-PE10G-003+RC	TG20 50-ATG20 50	G13	59	20	11,5	2,5	bar	3
SV-62-PE10G-003+RC	TG20 50-ATG20 50	G17	59	20	16	4	bar	3
SV-65-PE10G-003+RC	TG20 75-ATG20 75	G13	84	20	11,5	2,5	bar	3
SV-66-PE10G-003+RC	TG20 75-ATG20 75	G17	84	20	16	4	bar	3
SV-69-PE10G-003+RC	TG20 100-ATG20 100	G13	109	20	11,5	2,5	bar	3
SV-70-PE10G-003+RC	TG20 100-ATG20 100	G17	109	20	16	4	bar	3

Material: PE UHMW Polyethylene, Green color

SV(X) profile



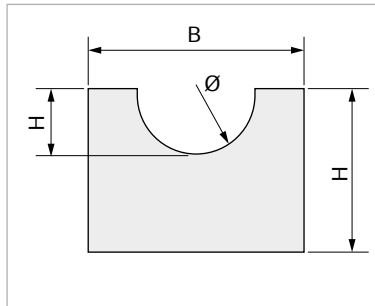
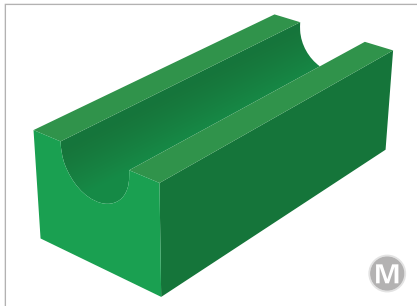
Application example



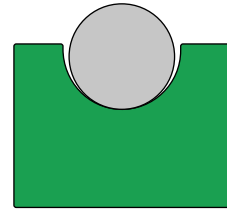
Habasit Code	Belt types	Track shape	B	H	BC	HC	h1	b	h	Suitable metal profile*	Packaging unit	Total length
			mm	mm	mm	mm	mm	mm	mm			m
SVE23-PE10G-003+RC	TG5 16-ATG5 16	G6	25	15	28	19	7	6	3,5	CM-5	bar	3
SVE25-PE10G-003+RC	TG5 25-ATG5 25	G6	35	15	28	19	7	6	3,5	CM-5	bar	3
SVJ27-PE10G-003+RC	TG5 32-ATG5 32	G6	41	20	38	25	7	6	3,5	CM-9	bar	3
SVJ29-PE10G-003+RC	TG5 50-ATG5 50	G6	59	20	38	25	7	6	3,5	CM-9	bar	3
SVE32-PE10G-003+RC	TG10 25-ATG10 25	G6	35	17	28	21	9	5,5	2,5	CM-5	bar	3
SVE33-PE10G-003+RC	TG10 25-ATG10 25	G10	35	17	28	21	9	9,5	4,5	CM-5	bar	3
SVE34-PE10G-003+RC	TG10 25-ATG10 25	G13	35	17	28	21	9	13	5	CM-5	bar	3
SVJ37-PE10G-003+RC	TG10 32-ATG10 32	G6	41	22	38	27	9	5,5	2,5	CM-9	bar	3
SVJ38-PE10G-003+RC	TG10 32-ATG10 32	G10	41	22	38	27	9	9,5	4,5	CM-9	bar	3
SVJ39-PE10G-003+RC	TG10 32-ATG10 32	G13	41	22	38	27	9	13	5	CM-9	bar	3
SVJ42-PE10G-003+RC	TG10 50-ATG10 50	G6	59	22	38	27	9	5,5	2,5	CM-9	bar	3
SVJ43-PE10G-003+RC	TG10 50-ATG10 50	G10	59	22	38	27	9	9,5	4,5	CM-9	bar	3
SVJ44-PE10G-003+RC	TG10 50-ATG10 50	G13	59	22	38	27	9	13	5	CM-9	bar	3
SVJ47-PE10G-003+RC	TG10 75-ATG10 75	G6	84	22	38	27	9	5,5	2,5	CM-9	bar	3
SVJ48-PE10G-003+RC	TG10 75-ATG10 75	G10	84	22	38	27	9	9,5	4,5	CM-9	bar	3
SVJ49-PE10G-003+RC	TG10 75-ATG10 75	G13	84	22	38	27	9	13	5	CM-9	bar	3
SVJ52-PE10G-003+RC	TG10 100-ATG10 100	G6	109	22	38	27	9	5,5	2,5	CM-9	bar	3
SVJ53-PE10G-003+RC	TG10 100-ATG10 100	G10	109	22	38	27	9	9,5	4,5	CM-9	bar	3
SVJ54-PE10G-003+RC	TG10 100-ATG10 100	G13	109	22	38	27	9	13	5	CM-9	bar	3
SVJ58-PE10G-003+RC	TG20 32-ATG20 32	G13	41	25	38	30	12	11,5	2,5	CM-9	bar	3
SVJ61-PE10G-003+RC	TG20 50-ATG20 50	G13	59	25	38	30	12	11,5	2,5	CM-9	bar	3
SVJ62-PE10G-003+RC	TG20 50-ATG20 50	G17	59	25	38	30	12	16	4	CM-9	bar	3
SVJ65-PE10G-003+RC	TG20 75-ATG20 75	G13	84	25	38	30	12	11,5	2,5	CM-9	bar	3
SVJ66-PE10G-003+RC	TG20 75-ATG20 75	G17	84	25	38	30	12	16	4	CM-9	bar	3
SVJ69-PE10G-003+RC	TG20 100-ATG20 100	G13	109	25	38	30	12	11,5	2,5	CM-9	bar	3
SVJ70-PE10G-003+RC	TG20 100-ATG20 100	G17	109	25	38	30	12	16	4	CM-9	bar	3

Material: PE UHMW Polyethylene, Green color - *metal profile not included

R1 profile



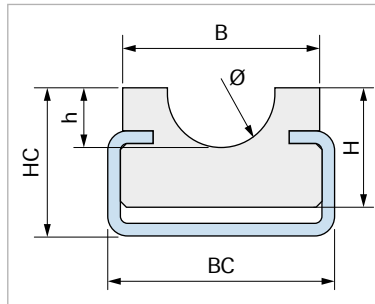
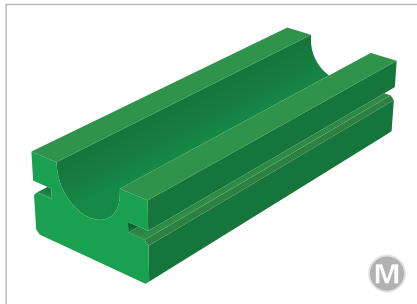
Application example



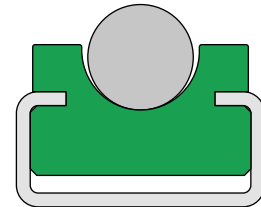
Habasit code	B	H	h	Ø	Packaging unit	Total length
	mm	mm	mm	mm		m
R1-04-PE10G-003+RC	15	10	2	4	bar	3
R1-05-PE10G-003+RC	15	10	2,5	5	bar	3
R1-06-PE10G-003+RC	20	10	3	6	bar	3
R1-08-PE10G-003+RC	20	10	4	8	bar	3
R1-10-PE10G-003+RC	25	12	5	10	bar	3
R1-12-PE10G-003+RC	25	12	6	12	bar	3
R1-15-PE10G-003+RC	25	15	7,5	15	bar	3

Material: PE UHMW Polyethylene, Green color

R1(X) profile



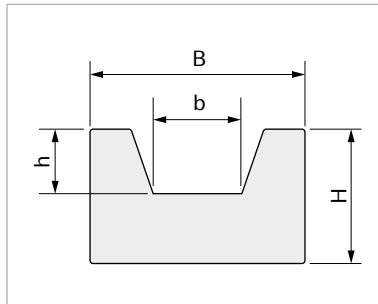
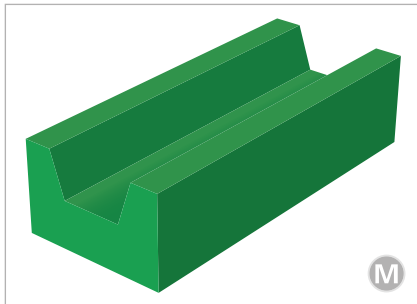
Application example



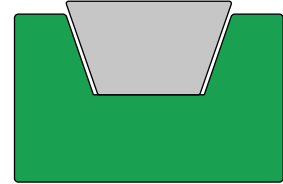
Habasit code	Code	B	H	BC	HC	h	Ø	Suitable metal profile*	Packaging unit	Total length
		mm	mm	mm	mm	mm	mm			m
R1C04-PE10G-003+RC	RC-02	20	10	20	14	2	4	CM-3	bar	3
R1C05-PE10G-003+RC	RC-04	20	10	20	14	2,5	5	CM-3	bar	3
R1C06-PE10G-003+RC	RC-06	20	10	20	14	3	6	CM-3	bar	3
R1C08-PE10G-003+RC	RC-08	20	10	20	14	4	8	CM-3	bar	3
R1E10-PE10G-003+RC	RC-10	25	15	28	18	5	10	CM-5	bar	3
R1E12-PE10G-003+RC	RC-12	25	15	28	18	6	12	CM-5	bar	3
R1E15-PE10G-003+RC	RC-14	25	15	28	20	7,5	15	CM-5	bar	3
R1E20-PE10G-003+RC	RC-16	28	20	28	24	10	20	CM-5	bar	3

Material: PE UHMW Polyethylene, Green color - *metal profile not included

V1 profile



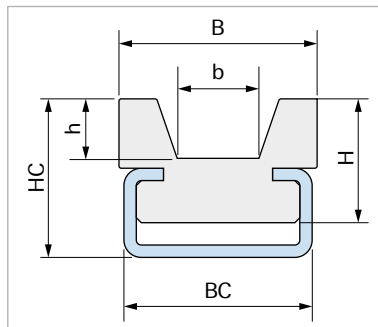
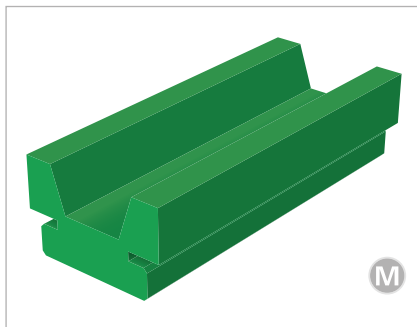
Application example



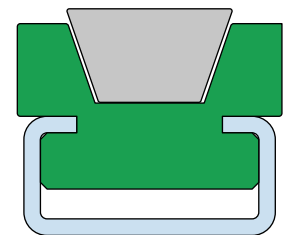
Habasit code	V-belt	B	H	b	h	Packaging unit	Total length
		mm	mm	mm	mm		m
V1-01-PE10G-003+RC	Z	20	10	6,5	3	bar	3
V1-04-PE10G-003+RC	A	20	12	8	5	bar	3
V1-05-PE10G-003+RC	SPB	25	12	9,5	5	bar	3
V1-08-PE10G-003+RC	B	30	15	10,5	8	bar	3
V1-09-PE10G-003+RC	C	35	20	13,5	11	bar	3
V1-11-PE10G-003+RC	D	40	25	19	13	bar	3

Material: PE UHMW Polyethylene, Green color

V1(X) profile



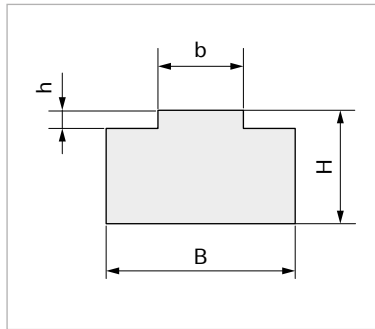
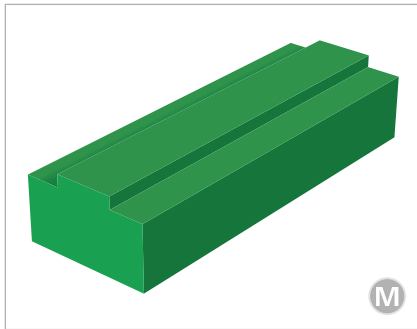
Application example



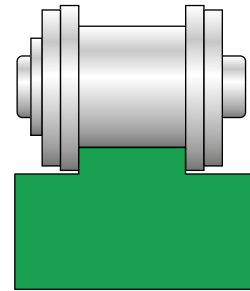
Habasit code	V-belt	B	H	BC	HC	b	h	Suitable metal profile*	Packaging unit	Total length
		mm	mm	mm	mm	mm	mm			m
V1C01-PE10G-003+RC	Z	20	15	20	17	6,5	3	CM-3	bar	3
V1C04-PE10G-003+RC	A	20	15	20	17	8	5	CM-3	bar	3
V1E05-PE10G-003+RC	SPB	25	20	28	24	9,5	5	CM-5	bar	3
V1E08-PE10G-002+RC	B	30	20	28	24	10,5	8	CM-5	bar	3
V1E08-PE10G-003+RC	B	30	20	28	24	10,5	8	CM-5	bar	3
V1J09-PE10G-003+RC	C	35	25	38	32	13,5	11	CM-9	bar	3
V1J11-PE10G-003+RC	D	40	25	38	35	19	13	CM-9	bar	3

Material: PE UHMW Polyethylene, Green color - *metal profile not included

T1 profile



Application example

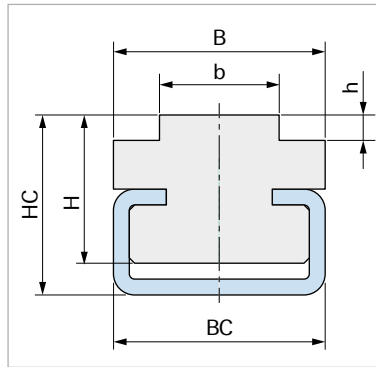
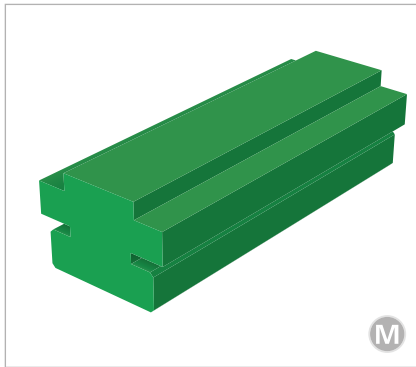


Habasit Code	Chain	ISO606	B	H	b	h	Packaging unit	Total length
		(DIN8187)	mm	mm	mm	mm		m
T1-01-PE10G-003+RC	3/8"x7/32"	06 B-1	15	10	5,4	1,5	bar	3
T1-05-PE10G-003+RC	1/2"x5/16"	08 B-1	20	10	7,4	2,2	bar	3
T1-06-PE10G-003+RC	1/2"x5/16"	08 B-1	20	15	7,4	2,2	bar	3
T1-07-PE10G-003+RC	1/2"x5/16"	08 B-1	20	20	7,4	2,2	bar	3
T1-09-PE10G-003+RC	5/8"x3/8"	10 B-1	20	10	9,2	2,6	bar	3
T1-10-PE10G-003+RC	5/8"x3/8"	10 B-1	20	15	9,2	2,6	bar	3
T1-11-PE10G-003+RC	5/8"x3/8"	10 B-1	20	20	9,2	2,6	bar	3
T1-13-PE10G-003+RC	3/4"x7/16"	12 B-1	25	10	11,3	2,4	bar	3
T1-14-PE10G-003+RC	3/4"x7/16"	12 B-1	25	15	11,3	2,4	bar	3
T1-15-PE10G-003+RC	3/4"x7/16"	12 B-1	25	20	11,3	2,4	bar	3
T1-18-PE10G-003+RC	1"x17mm	16 B-1	40	15	16,5	3,5	bar	3
T1-19-PE10G-003+RC	1"x17mm	16 B-1	40	20	16,5	3,5	bar	3
T1-21-PE10G-003+RC	1 1/4"x3/4"	20 B-1	45	15	19	4,3	bar	3
T1-22-PE10G-003+RC	1 1/4"x3/4"	20 B-1	45	20	19	4,3	bar	3
T1-24-PE10G-003+RC	1 1/2"x1"	24 B-1	60	15	24,6	5,6	bar	3
T1-25-PE10G-003+RC	1 1/2"x1"	24 B-1	60	20	24,6	5,6	bar	3
T1-27-PE10G-003+RC	1 3/4"x31mm	28 B-1	75	20	30	6,9	bar	3
T1-30-PE10G-003+RC	2"x31mm	32 B-1	80	20	30	7,8	bar	3

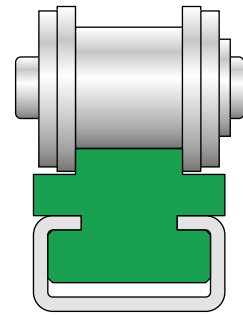
Habasit Code	Chain	ASA	B	H	b	h	Packaging unit	Total length
		(DIN 8188)	mm	mm	mm	mm		m
T1-51-PE10G-003+RC	3/8"x3/16"	06 A-1	15	10	4	2,2	bar	3
T1-54-PE10G-003+RC	1/2"x5/16"	08 A-1	20	10	7,1	2,3	bar	3
T1-55-PE10G-003+RC	1/2"x5/16"	08 A-1	20	15	7,1	2,3	bar	3
T1-56-PE10G-003+RC	1/2"x5/16"	08 A-1	20	20	7,1	2,3	bar	3
T1-58-PE10G-003+RC	5/8"x3/8"	10 A-1	20	10	8,6	2,7	bar	3
T1-59-PE10G-003+RC	5/8"x3/8"	10 A-1	20	15	8,6	2,7	bar	3
T1-60-PE10G-003+RC	5/8"x3/8"	10 A-1	20	20	8,6	2,7	bar	3
T1-62-PE10G-003+RC	3/4"x1/2"	12 A-1	25	10	11,9	3,4	bar	3
T1-63-PE10G-003+RC	3/4"x1/2"	12 A-1	25	15	11,9	3,4	bar	3
T1-64-PE10G-003+RC	3/4"x1/2"	12 A-1	25	20	11,9	3,4	bar	3
T1-67-PE10G-003+RC	1"x5/8"	16 A-1	40	15	15,1	4,5	bar	3
T1-68-PE10G-003+RC	1"x5/8"	16 A-1	40	20	15,1	4,5	bar	3

Material: PE UHMW Polyethylene, Green color

T1(X) profile



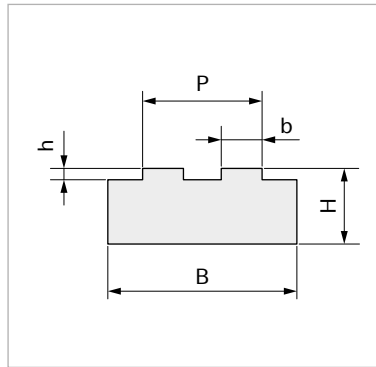
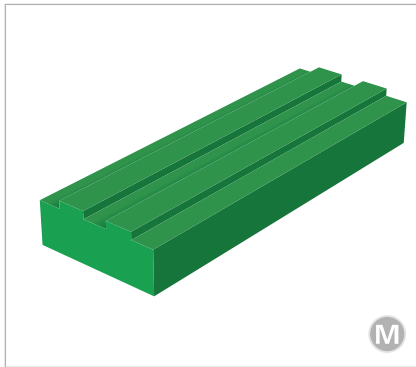
Application example



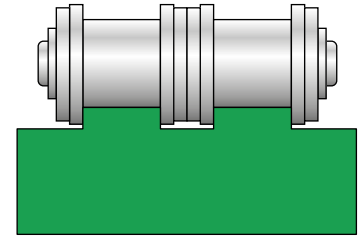
Habasit code	Chain	ISO 606	B	H	BC	HC	b	h	Suitable metal profile*	Packaging unit	Total length
		(DIN 8187)	mm	mm	mm	mm	mm	mm			m
T1C02-PE10G-003+RC	3/8"x7/32"	06 B-1	20	15	20	17	5,4	1,5	CM-3	bar	3
T1C06-PE10G-003+RC	1/2"x5/16"	08 B-1	20	15	20	17	7,4	2,2	CM-3	bar	3
T1C10-PE10G-003+RC	5/8"x3/8"	10 B-1	20	15	20	17	9,2	2,6	CM-3	bar	3
T1C14-PE10G-003+RC	3/4"x7/16"	12 B-1	20	15	20	17	11,3	2,4	CM-3	bar	3
T1E18-PE10G-003+RC	1"x17mm	16 B-1	28	15	28	18	16,5	3,5	CM-5	bar	3
T1J13-PE10G-003+RC	1 1/4"x3/4"	20 B-1	38	20	38	27	19	4,3	CM-9	bar	3

Material: PE UHMW Polyethylene, Green color - *metal profile not included

T2 profile



Application example

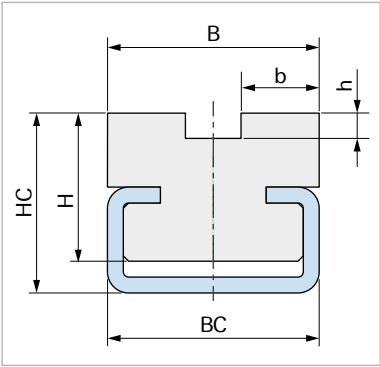
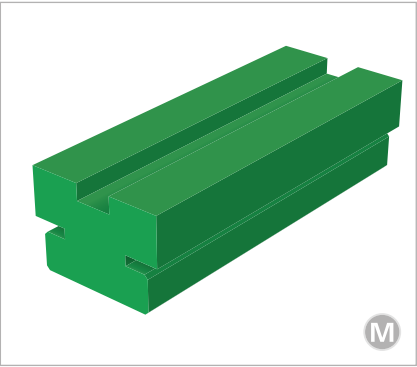


Habasit Code	Chain	ISO 606	B	H	b	h	P	Packaging unit	Total length
		(DIN8187)	mm	mm	mm	mm	mm		m
T2-01-PE10G-003+RC	3/8"x7/32"	06 B-2	25	10	5,4	1,5	15,8	bar	3
T2-05-PE10G-003+RC	1/2"x5/16"	08 B-2	35	10	7,4	2,2	21,4	bar	3
T2-06-PE10G-003+RC	1/2"x5/16"	08 B-2	35	15	7,4	2,2	21,4	bar	3
T2-07-PE10G-003+RC	1/2"x5/16"	08 B-2	35	20	7,4	2,2	21,4	bar	3
T2-09-PE10G-003+RC	5/8"x3/8"	10 B-2	40	10	9,2	2,6	25,8	bar	3
T2-10-PE10G-003+RC	5/8"x3/8"	10 B-2	40	15	9,2	2,6	25,8	bar	3
T2-11-PE10G-003+RC	5/8"x3/8"	10 B-2	40	20	9,2	2,6	25,8	bar	3
T2-13-PE10G-003+RC	3/4"x7/16"	12 B-2	45	10	11,3	2,4	30,8	bar	3
T2-14-PE10G-003+RC	3/4"x7/16"	12 B-2	45	15	11,3	2,4	30,8	bar	3
T2-15-PE10G-003+RC	3/4"x7/16"	12 B-2	45	20	11,3	2,4	30,8	bar	3
T2-18-PE10G-003+RC	1"x17mm	16 B-2	65	15	16,5	3,5	48,4	bar	3
T2-19-PE10G-003+RC	1"x17mm	16 B-2	65	20	16,5	3,5	48,4	bar	3
T2-21-PE10G-003+RC	1 1/4"x3/4"	20 B-2	70	15	19	4,3	54,5	bar	3
T2-22-PE10G-003+RC	1 1/4"x3/4"	20 B-2	70	20	19	4,3	54,5	bar	3
T2-25-PE10G-003+RC	1 1/2"x1"	24 B-2	88	20	24,6	5,6	73	bar	3
T2-28-PE10G-003+RC	1 3/4"x31mm	28 B-2	105	25	30	6,9	89,6	bar	3
T2-32-PE10G-003+RC	2"x31mm	32 B-2	105	30	30	7,8	88,7	bar	3

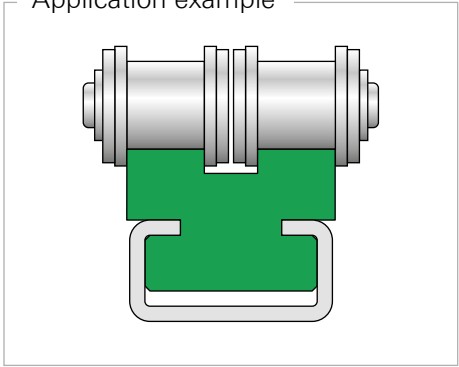
Habasit Code	Chain	ASA	B	H	b	h	P	Packaging unit	Total length
		(DIN 8188)	mm	mm	mm	mm	mm		m
T2-51-PE10G-003+RC	3/8"x3/16"	06 A-2	25	10	4	2,2	14,1	bar	3
T2-54-PE10G-003+RC	1/2"x5/16"	08 A-2	35	10	7,1	2,3	21,5	bar	3
T2-55-PE10G-003+RC	1/2"x5/16"	08 A-2	35	15	7,1	2,3	21,5	bar	3
T2-56-PE10G-003+RC	1/2"x5/16"	08 A-2	35	20	7,1	2,3	21,5	bar	3
T2-58-PE10G-003+RC	5/8"x3/8"	10 A-2	40	10	8,6	2,7	26,7	bar	3
T2-59-PE10G-003+RC	5/8"x3/8"	10 A-2	40	15	8,6	2,7	26,7	bar	3
T2-60-PE10G-003+RC	5/8"x3/8"	10 A-2	40	20	8,6	2,7	26,7	bar	3
T2-62-PE10G-003+RC	3/4"x1/2"	12 A-2	45	10	11,9	3,4	34,7	bar	3
T2-63-PE10G-003+RC	3/4"x1/2"	12 A-2	45	15	11,9	3,4	34,7	bar	3
T2-64-PE10G-003+RC	3/4"x1/2"	12 A-2	45	20	11,9	3,4	34,7	bar	3
T2-67-PE10G-003+RC	1"x5/8"	16 A-2	55	15	15,1	4,5	44,4	bar	3
T2-68-PE10G-003+RC	1"x5/8"	16 A-2	55	20	15,1	4,5	44,4	bar	3

Material: PE UHMW Polyethylene, Green color

T2(X) profile



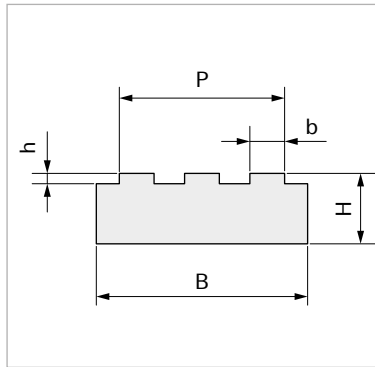
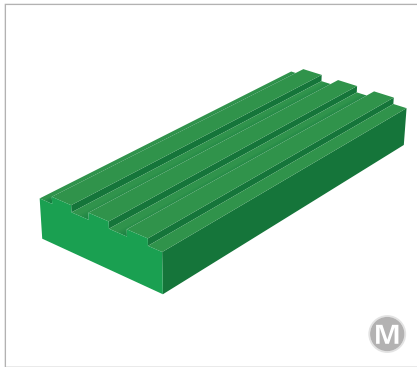
Application example



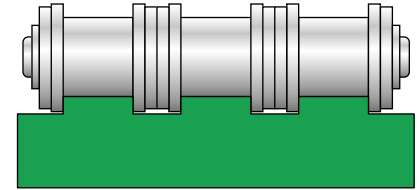
Habasit code	Chain	ISO 606	B	H	BC	HC	b	h	Suitable metal profile*	Packaging unit	Total length
		(DIN 8187)	mm	mm	mm	mm	mm	mm			m
T2C02-PE10G-003+RC	3/8"x7/32"	06 B-2	15,7	15	20	17	5,4	1,5	CM-3	bar	3
T2C06-PE10G-003+RC	1/2"x5/16"	08 B-2	21,4	15	20	17	7,4	2,2	CM-3	bar	3
T2E10-PE10G-003+RC	5/8"x3/8"	10 B-2	25,9	15	28	19	9,2	2,6	CM-5	bar	3
T2E14-PE10G-003+RC	3/4"x7/16"	12 B-2	30,7	15	28	19	11,3	2,4	CM-5	bar	3
T2J19-PE10G-003+RC	1"x17mm	16 B-2	48,3	20	38	27	16,5	3,5	CM-9	bar	3

Material: PE UHMW Polyethylene, Green color - *metal profile not included

T3 profile



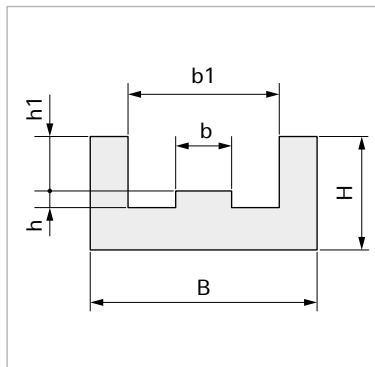
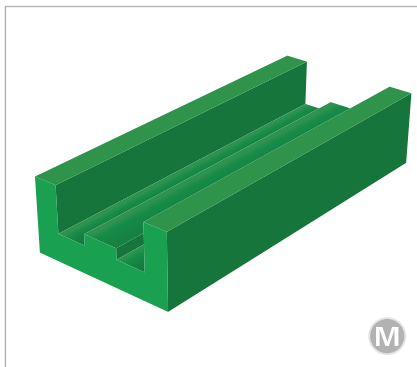
Application example



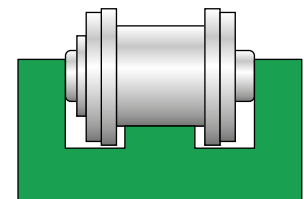
Habasit code	Chain	ISO 606	B	H	b	h	P	Packaging unit	Total length
		(DIN 8187)	mm	mm	mm	mm	mm		m
T3-01-PE10G-003+RC	3/8"x7/32"	06 B-3	35	10	5,4	1,5	25,9	bar	3
T3-05-PE10G-003+RC	1/2"x5/16"	08 B-3	45	10	7,4	2,2	35,2	bar	3
T3-26-PE10G-003+RC	1/2"x5/16"	08 B-3	45	15	7,4	2,2	35,2	bar	3
T3-07-PE10G-003+RC	1/2"x5/16"	08 B-3	45	20	7,4	2,2	35,2	bar	3
T3-09-PE10G-003+RC	5/8"x3/8"	10 B-3	55	10	9,2	2,6	42,4	bar	3
T3C10-PE10G-003+RC	5/8"x3/8"	10 B-3	55	15	9,2	2,6	42,4	bar	3
T3C11-PE10G-003+RC	5/8"x3/8"	10 B-3	55	20	9,2	2,6	42,4	bar	3
T3-14-PE10G-003+RC	3/4"x7/16"	12 B-3	60	15	11,3	2,4	50,2	bar	3
T3-15-PE10G-003+RC	3/4"x7/16"	12 B-3	60	20	11,3	2,4	50,2	bar	3
T3-19-PE10G-003+RC	1"x17mm	16 B-3	95	20	16,5	3,5	80,3	bar	3

Material: PE UHMW Polyethylene, Green color

E1 profile



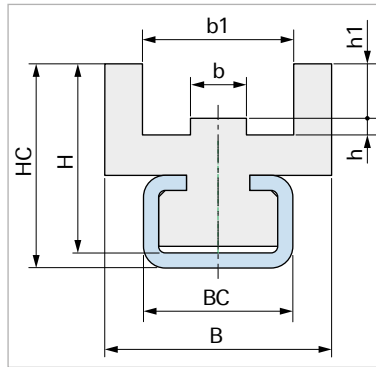
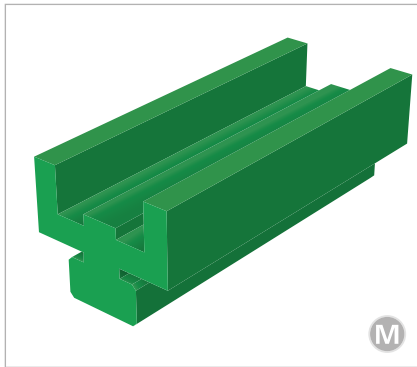
Application example



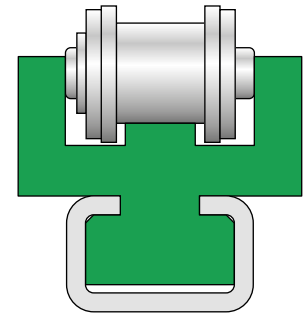
Habasit code	Chain	ISO 606	B	H	b1	h1	b	h	Packaging unit	Total length
		(DIN 8187)	mm	mm	mm	mm	mm	mm		m
E1-01-PE10G-003+RC	3/8"x7/32"	06 B-1	25	10	15	4,4	5,4	1,5	bar	3
E1-06-PE10G-003+RC	1/2"x5/16"	08 B-1	30	15	20	7,2	7,4	2,2	bar	3
E1-09-PE10G-003+RC	5/8"x3/8"	10 B-1	33	20	23	9,5	9,2	2,6	bar	3
E1-13-PE10G-003+RC	3/4"x7/16"	12 B-1	38	20	28	11,1	11,3	2,4	bar	3
E1-17-PE10G-003+RC	1"x17mm	16 B-1	51	25	41	16,5	16,5	3,5	bar	3

Material: PE UHMW Polyethylene, Green color

E1(X) profile



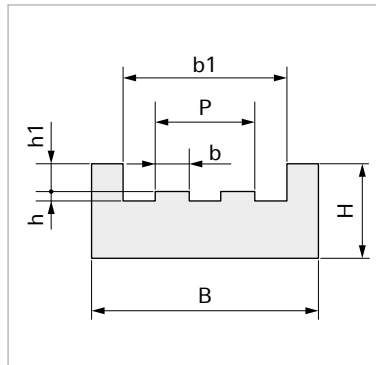
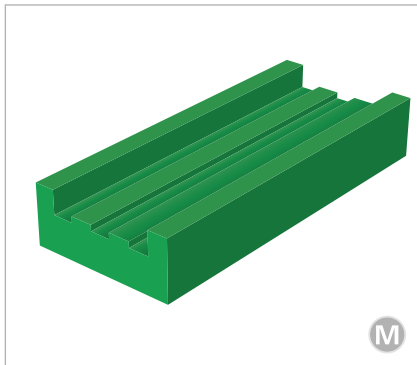
Application example



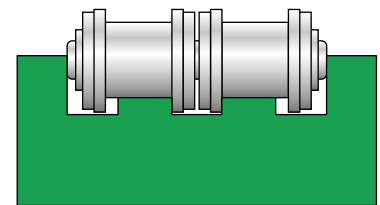
Habasit code	Chain	ISO606	B	H	BC	HC	b1	h1	b	h	Suitable metal profile*	Packaging unit	Total length
		(DIN8187)	mm	mm	mm	mm	mm	mm	mm	mm			m
E1C01-PE10G-003+RC	3/8"x7/32"	06 B-1	25	18	20	20	15	4,4	5,4	1,5	CM-3	bar	3
E1C08-PE10G-003+RC	1/2"x5/16"	08 B-1	30	25	20	27	20	7,2	7,4	2,2	CM-3	bar	3
E1E09-PE10G-003+RC	5/8"x3/8"	10 B-1	33	30	28	32	23	9,5	9,2	2,6	CM-5	bar	3
E1J13-PE10G-003+RC	3/4"x7/16"	12 B-1	38	35	38	38,5	28	11,1	11,3	2,4	CM-9	bar	3
E1J17-PE10G-003+RC	1"x17mm	16 B-1	51	40	38	43,5	41	16,5	16,5	3,5	CM-9	bar	3

Material: PE UHMW Polyethylene, Green color - *metal profile not included

E2 profile



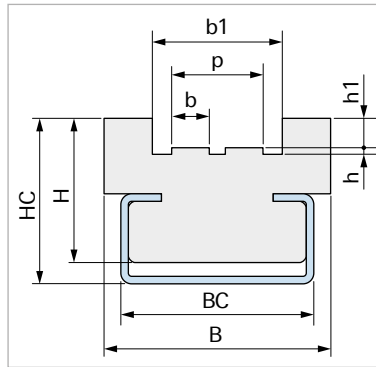
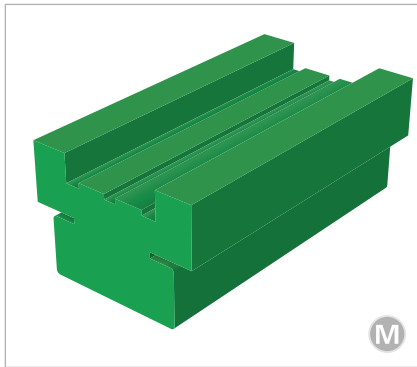
Application example



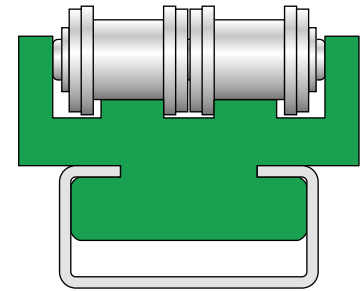
Habasit code	Chain	ISO 606	B	H	b1	h1	b	h	P	Packaging unit	Total length
		(DIN 8187)	mm	mm	mm	mm	mm	mm	mm		m
E2-01-PE10G-003+RC	3/8"x7/32"	06 B-2	36	15	26	4,4	5,4	1,5	15,8	bar	3
E2-07-PE10G-003+RC	1/2"x5/16"	08 B-2	45	20	35	7,2	7,4	2,2	21,4	bar	3
E2-09-PE10G-003+RC	5/8"x3/8"	10 B-2	50	25	40	9,5	9,2	2,6	25,8	bar	3
E2-13-PE10G-003+RC	3/4"x7/16"	12 B-2	56	25	46	11,1	11,3	2,4	30,8	bar	3
E2-17-PE10G-003+RC	1"x17mm	16 B-2	85	30	75	16,5	16,5	3,5	48,8	bar	3

Material: PE UHMW Polyethylene, Green color

E2(X) profile



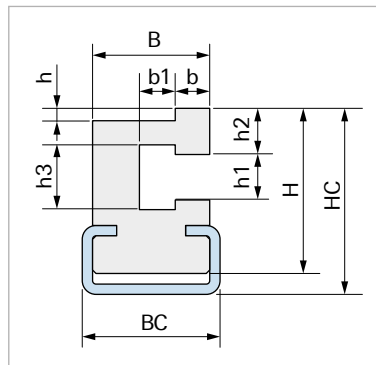
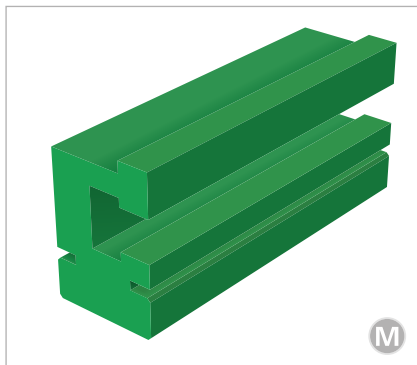
Application example



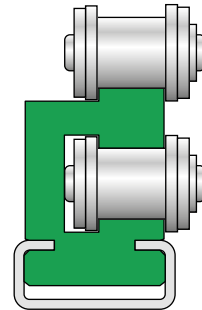
Habasit code	Chain	ISO606	B	H	BC	HC	b1	h1	b	h	P	Suitable metal profile*	Packaging unit	Total length
		(DIN8187)	mm	mm	mm	mm	mm	mm	mm	mm	mm			m
E2E01-PE10G-003+RC	3/8"x7/32"	06 B-1	36	18	28	22	26	4,4	5,4	1,5	15,8	CM-5	bar	3
E2J08-PE10G-003+RC	1/2"x5/16"	08 B-1	45	25	38	33	35	7,2	7,4	2,2	21,4	CM-9	bar	3
E2J09-PE10G-003+RC	5/8"x3/8"	10 B-1	50	30	38	37	40	9,5	9,2	2,6	25,8	CM-9	bar	3
E2J13-PE10G-003+RC	3/4"x7/16"	12 B-1	56	35	38	38,5	46	11,1	11,3	2,4	30,8	CM-9	bar	3
E2J17-PE10G-003+RC	1"x17mm	16 B-1	85	40	38	43,5	75	16,5	16,5	3,5	48,4	CM-9	bar	3

Material: PE UHMW Polyethylene, Green color - *metal profile not included

ET(X) profile



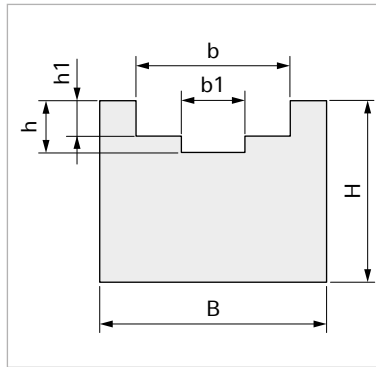
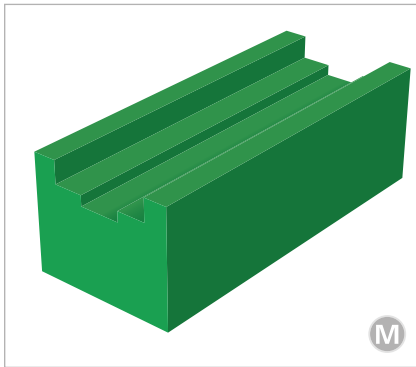
Application example



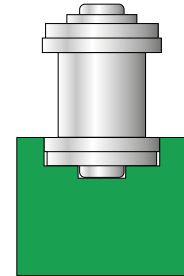
Habasit code	Chain	ISO606	B	H	BC	HC	b1	h1	h2	h3	b	h	Suitable metal profile*	Packaging unit	Total length
		(DIN8187)	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			m
ETC01-PE10G-003+RC	3/8"x7/32"	06 B-1	20	26,4	20	28,7	4,4	6,6	5,5	9,3	5,4	1,4	CM-3	bar	3
ETC05-PE10G-003+RC	1/2"x5/16"	08 B-1	20	28	20	30,5	5,9	8,7	7,3	12,8	7,4	2	CM-3	bar	3
ETC09-PE10G-003+RC	5/8"x3/8"	10 B-1	20	34,1	20	36	5,3	10,7	9,5	15,4	9,2	2,5	CM-3	bar	3
ETE13-PE10G-003+RC	3/4"x7/16"	12 B-1	24	38,5	28	41,5	6	12,3	10,5	16,9	11,3	2,3	CM-5	bar	3
ETJ17-PE10G-003+RC	1"x17mm	16 B-1	33,5	52,4	38	61,5	10,7	16,1	18,3	24,4	16,5	4,1	CM-9	bar	3

Material: PE UHMW Polyethylene, Green color - *metal profile not included

U1 profile



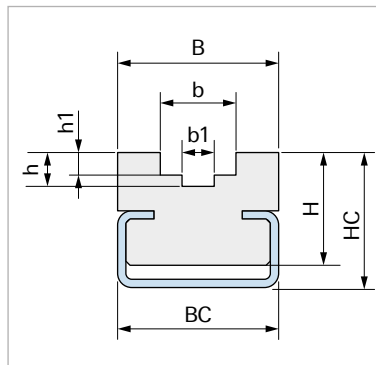
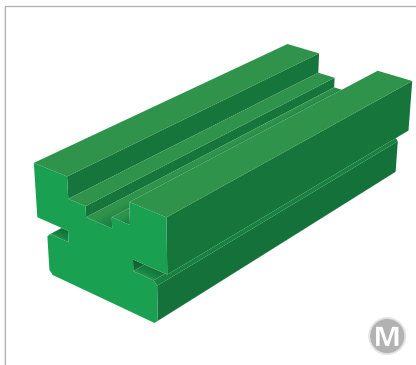
Application example



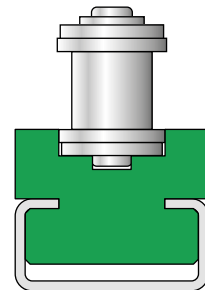
Habasit code	Chain	ISO606	B	H	b	b1	h	h1	Packaging unit	Total length
		(DIN8187)	mm	mm	mm	mm	mm	mm		m
U1-01-PE10G-003+RC	3/8"x7/32"	06 B-1	20	15	9,2	4	4,2	2,8	bar	3
U1-06-PE10G-003+RC	1/2"x5/16"	08 B-1	25	15	12,7	5	4,8	3,5	bar	3
U1-09-PE10G-003+RC	5/8"x3/8"	10 B-1	25	15	15,2	6	5,1	3,6	bar	3
U1-13-PE10G-003+RC	3/4"x7/16"	12 B-1	25	20	16,7	7	5,7	3,9	bar	3
U1-17-PE10G-003+RC	1"x17mm	16 B-1	35	25	24,2	9	10	8,4	bar	3

Material: PE UHMW Polyethylene, Green color

U1(X) profile



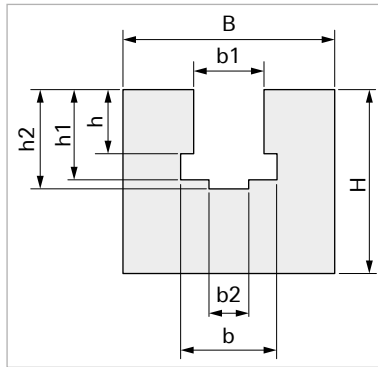
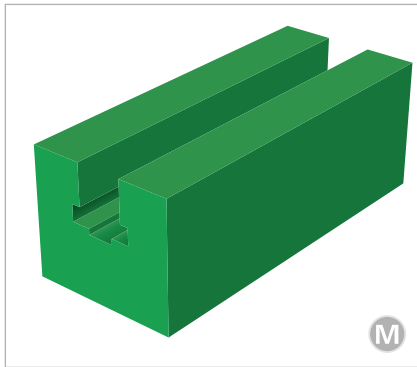
Application example



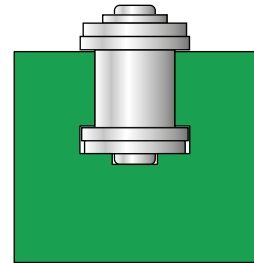
Habasit code	Chain	ISO606	B	H	BC	HC	b1	h1	b	h	Suitable metal profile*	Packaging unit	Total length
		(DIN8187)	mm	mm	mm	mm	mm	mm	mm	mm			m
U1C06-PE10G-003+RC	1/2"x5/16"	08 B-1	20	15	20	18	5	3,5	12,7	4,8	CM-3	bar	3
U1C09-PE10G-003+RC	5/8"x3/8"	10 B-1	23	15	20	18	6	3,6	15,2	5,1	CM-3	bar	3
U1C13-PE10G-003+RC	3/4"x7/16"	12 B-1	23	20	20	23	7	3,9	16,7	5,7	CM-3	bar	3
U1E17-PE10G-003+RC	1"x17mm	16 B-1	32	25	28	28	8	8,4	24,4	10	CM-3	bar	3

Material: PE UHMW Polyethylene, Green color - *metal profile not included

B1 profile



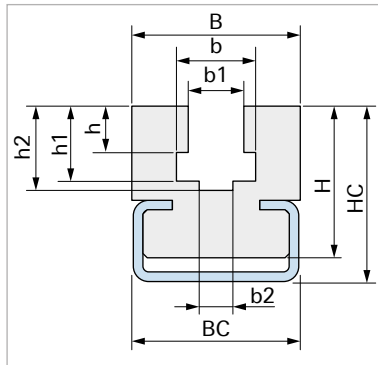
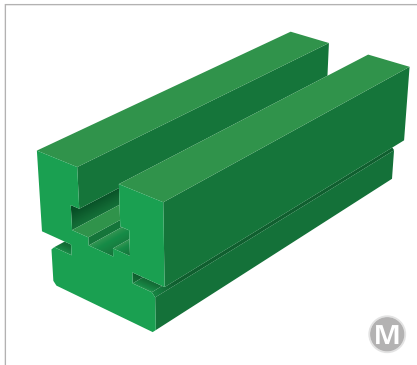
Application example



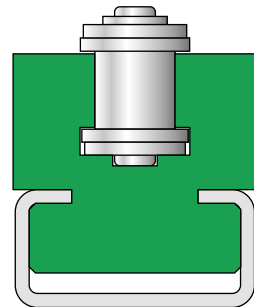
Habasit code	Chain	ISO606	B	H	b1	b2	h1	h2	b	h	Packaging unit	Total length
		(DIN8187)	mm	mm	mm	mm	mm	mm	mm	mm		m
B1-01-PE10G-003+RC	3/8"x7/32"	06 B-1	20	25	6,6	4	8,7	10	9,3	5,6	bar	3
B1-05-PE10G-003+RC	1/2"x5/16"	08 B-1	24	30	8,7	5	11,5	13,5	12,8	7,6	bar	3
B1-09-PE10G-003+RC	5/8"x3/8"	10 B-1	30	35	10,4	6	13,5	14,8	15,4	9,5	bar	3
B1-13-PE10G-003+RC	3/4"x7/16"	12 B-1	40	35	12,3	7	15,9	17,5	16,9	11,5	bar	3
B1-17-PE10G-003+RC	1"x17mm	16 B-1	40	45	16,1	9	25,7	26,8	24,4	16,1	bar	3
B1-20-PE10G-003+RC	1 1/4"x3/4"	20 B-1	50	50	19,3	11	29,3	31,2	27,5	19,4	bar	3
B1-24-PE10G-003+RC	1 1/2"x1"	24 B-1	60	60	25,7	16	38,2	40,1	36,5	25,2	bar	3
B1-26-PE10G-003+RC	1 3/4"x31mm	28 B-1	60	70	28,3	17	46,9	48,9	41,5	30,8	bar	3
B1-30-PE10G-003+RC	2"x31mm	32 B-1	70	75	29,6	19	47,3	53	44,5	30,8	bar	3

Material: PE UHMW Polyethylene, Green color

B1(X) profile



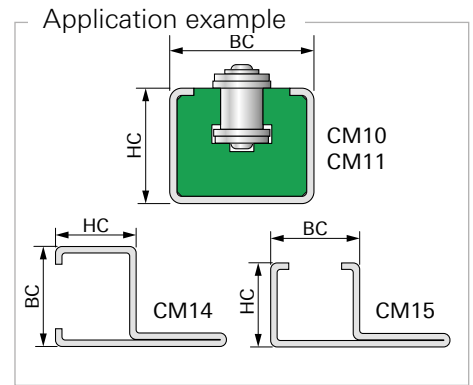
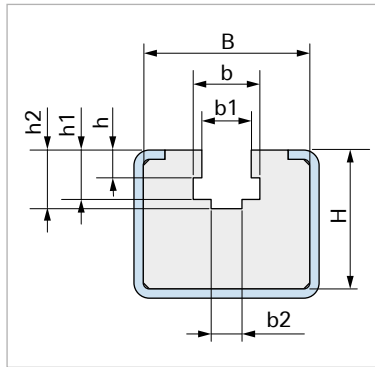
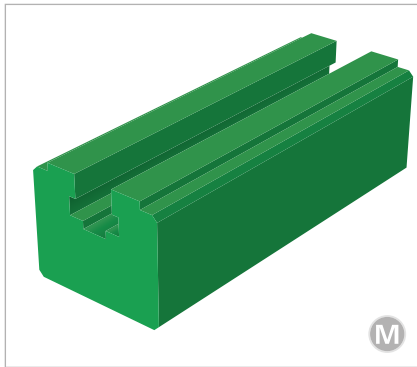
Application example



Habasit code	Chain	ISO606	B	H	BC	HC	b1	b2	h1	h2	b	h	Suitable metal profile*	Packaging unit	Total length
		(DIN8187)	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			m
B1C01-PE10G-003+RC	3/8"x7/32"	06 B-1	20	17,5	20	21	6,6	4	8,7	10	9,3	5,6	CM-3	bar	3
B1E05-PE10G-003+RC	1/2"x5/16"	08 B-1	24	27,5	28	32	8,7	5	11,5	13,5	12,8	7,6	CM-5	bar	3
B1E09-PE10G-003+RC	5/8"x3/8"	10 B-1	24	27,5	28	32	10,4	6	13,5	14,8	15,4	9,5	CM-5	bar	3
B1J13-PE10G-003+RC	3/4"x7/16"	12 B-1	33	34	38	42	12,3	7	15,9	17,5	16,9	11,5	CM-9	bar	3
B1K17-PE10G-003+RC	1"x17mm	16 B-1	38	40	38	50	16,1	9	25,7	26,8	24,4	16,1	CM-9	bar	3

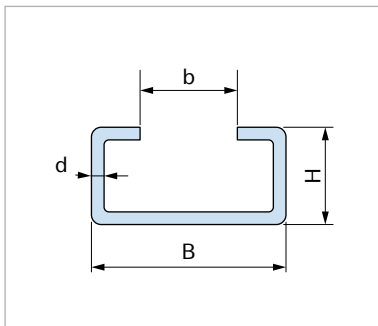
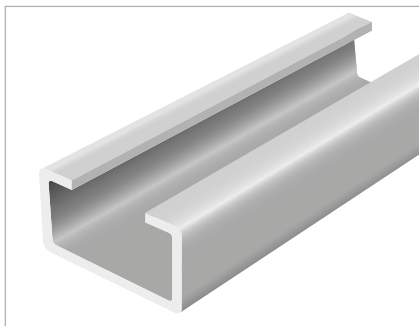
Material: PE UHMW Polyethylene, Green color - *metal profile not included

K1(X) profile

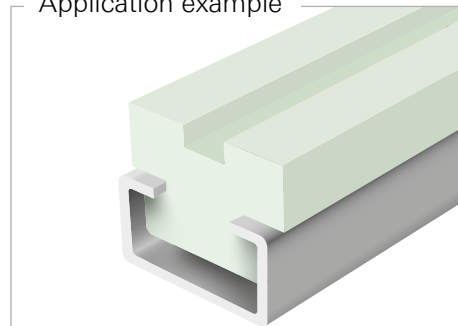


Habasit code	Chain	ISO606	B	H	BC	HC	b1	b2	h1	h2	b	h	Suitable metal profile*	Packaging unit	Total length
		(DIN8187)	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm			m
K1P01-PE10G-003+RC	3/8"x7/32"	06 B-1	27	23	31	25	6,6	4	8,7	10	9,3	5,6	CM-14/ CM-15	bar	3
K1P05-PE10G-003+RC	1/2"x5/16"	08 B-1	27	23	31	25	8,7	5	11,5	13,5	12,8	7,6	CM-14/ CM-15	bar	3
K1P09-PE10G-003+RC	5/8"x3/8"	10 B-1	27	23	31	25	10,4	6	13,5	14,8	15,4	9,5	CM-14/ CM-15	bar	3
K1P13-PE10G-003+RC	3/4"x7/16"	12 B-1	27	23	31	25	12,3	7	15,9	17,5	16,9	11,5	CM-14/ CM-15	bar	3
K1K01-PE10G-003+RC	3/8"x7/32"	6 B-1	27	22,5	30	24	6,6	4	8,7	10	9,3	5,6	CM-10	bar	3
K1K05-PE10G-003+RC	1/2"x5/16"	8 B-1	27	22,5	30	24	8,7	5	11,5	13,5	12,8	7,6	CM-10	bar	3
K1K09-PE10G-003+RC	5/8"x3/8"	10 B-1	27	22,5	30	24	10,4	6	13,5	14,8	15,4	9,5	CM-10	bar	3
K1K13-PE10G-003+RC	3/4"x7/16"	12 B-1	27	22,5	30	24	12,3	7	15,9	17,5	16,9	11,5	CM-10	bar	3
K1M17-PE10G-003+RC	1"x17mm	16 B-1	42	38,5	45	40	16,1	9	25,7	26,8	24,4	16,1	CM-11	bar	3
K1M20-PE10G-003+RC	1 1/4"x3/4"	20 B-1	42	38,5	45	40	19,3	11	29,3	31,2	27,5	19,5	CM-11	bar	3

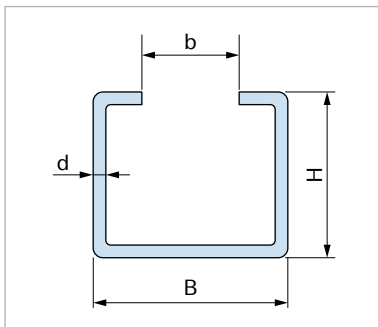
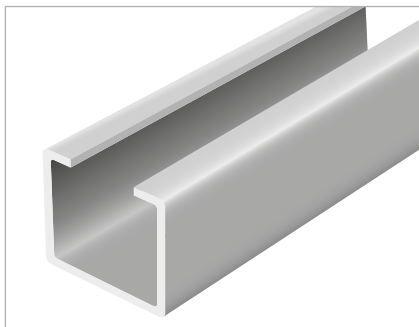
Material: PE UHMW Polyethylene, Green color - *metal profile not included

CM3-CM5-CM9 Metallic profiles

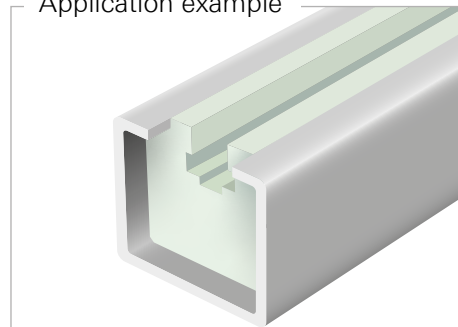
Application example



Habasit code	B	H	b	d	Material	Packaging unit	Total Length	Weight
	mm	mm	mm	mm			m	kg/m
CM-03-GALVX-003	20	10	10	1,5	Galvanized steel	bar	3	0,43
CM-03-GALVX-006	20	10	10	1,5	Galvanized steel	bar	6	0,43
CM-03-A304X-003	20	10	10	1,5	AISI 304 Stainless steel	bar	3	0,43
CM-03-A304X-006	20	10	10	1,5	AISI 304 Stainless steel	bar	6	0,43
CM-05-GALVX-003	28	12	14	1,5	Galvanized steel	bar	3	0,85
CM-05-GALVX-006	28	12	14	1,5	Galvanized steel	bar	6	0,85
CM-05-A304X-003	28	12	14	1,5	AISI 304 Stainless steel	bar	3	0,85
CM-05-A304X-006	28	12	14	1,5	AISI 304 Stainless steel	bar	6	0,85
CM-09-GALVX-003	38	18	22	1,5	Galvanized steel	bar	3	0,98
CM-09-GALVX-006	38	18	22	1,5	Galvanized steel	bar	6	0,98
CM-09-A304X-003	38	18	22	1,5	AISI 304 Stainless steel	bar	3	0,98
CM-09-A304X-006	38	18	22	1,5	AISI 304 Stainless steel	bar	6	0,98

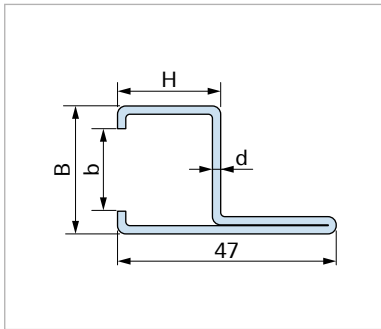
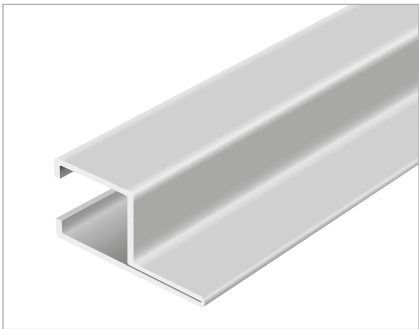
CM10-CM11 Metallic profiles

Application example

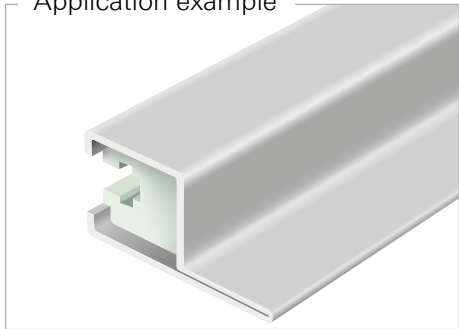


Habasit code	B	H	b	d	Material	Packaging unit	Total Length	Weight
	mm	mm	mm	mm			m	kg/m
CM-10-GALVX-003	30	24	20	1,5	Galvanized steel	bar	3	0,94
CM-10-GALVX-006	30	24	20	1,5	Galvanized steel	bar	6	0,94
CM-10-A304X-003	30	24	20	1,5	AISI 304 Stainless steel	bar	3	0,94
CM-10-A304X-006	30	24	20	1,5	AISI 304 Stainless steel	bar	6	0,94
CM-11-GALVX-003	45	40	31	1,5	Galvanized steel	bar	3	2,05
CM-11-GALVX-006	45	40	31	1,5	Galvanized steel	bar	6	2,05
CM-11-A304X-003	45	40	31	1,5	AISI 304 Stainless steel	bar	3	2,05
CM-11-A304X-006	45	40	31	1,5	AISI 304 Stainless steel	bar	6	2,05

CM14 Metallic profiles

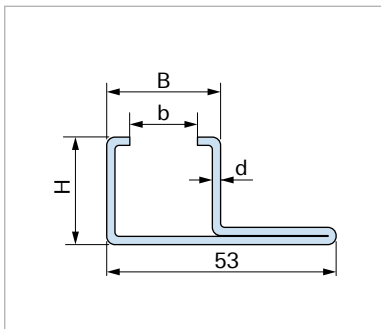
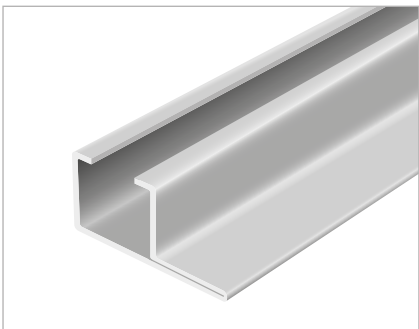


Application example

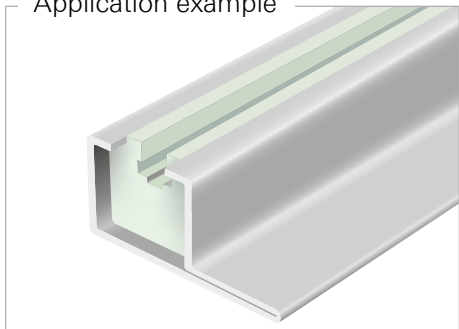


Habasit code	B	H	b	d	Material	Packaging unit	Total Length	Weight
	mm	mm	mm	mm			m	kg/m
CM-14-GALVX-003	31	25	20	2	Galvanized steel	bar	3	1,2
CM-14-GALVX-006	31	25	20	2	Galvanized steel	bar	6	1,2
CM-14-A304X-003	31	25	20	2	AISI 304 Stainless steel	bar	3	1,2
CM-14-A304X-006	31	25	20	2	AISI 304 Stainless steel	bar	6	1,2

CM15 Metallic profiles

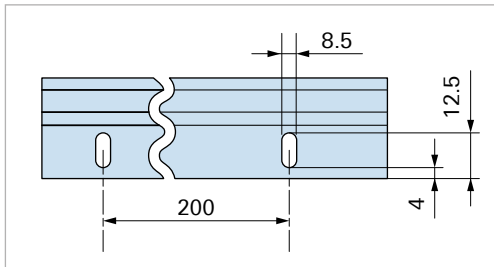


Application example

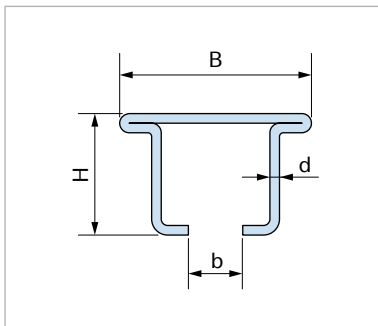
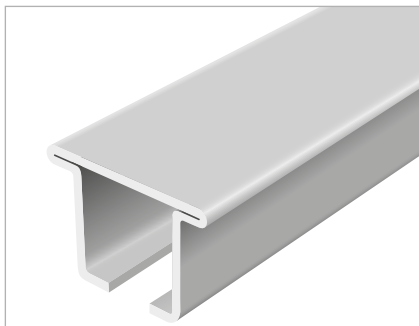


Habasit code	B	H	b	d	Material	Packaging unit	Total Length	Weight
	mm	mm	mm	mm			m	kg/m
CM-15-GALVX-003	31	25	20	2	Galvanized steel	bar	3	1,2
CM-15-GALVX-006	31	25	20	2	Galvanized steel	bar	6	1,2
CM-15-A304X-003	31	25	20	2	AISI 304 Stainless steel	bar	3	1,2
CM-15-A304X-006	31	25	20	2	AISI 304 Stainless steel	bar	6	1,2
CM-15-ALUMX-005	31	25	20	2,5	Aluminum	bar	5,05	0,83

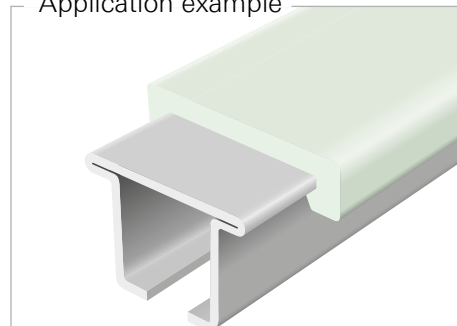
Standard holes for CM14 / CM15



CM16 Metallic profiles

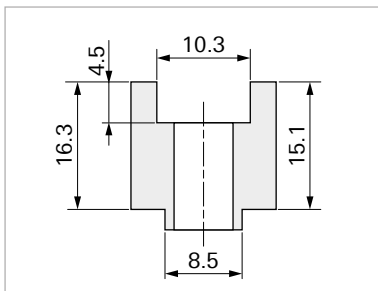
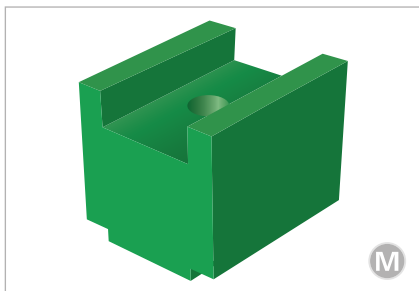


Application example

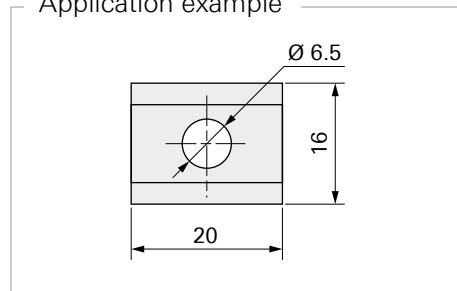


Habasit code	B	H	b	d	Material	Packaging unit	Total Length	Weight
	mm	mm	mm	mm			m	kg/m
CM-16-A304X-003	29,8	19	8,8	1,5	AISI 304 Stainless steel	bar	3	0,9
CM-16-A304X-006	29,8	19	8,8	1,5	AISI 304 Stainless steel	bar	6	0,9
CM-16-A430X-003	29,8	19	8,8	1,5	AISI 430 Stainless steel	bar	3	0,9
CM-16-A430X-006	29,8	19	8,8	1,5	AISI 430 Stainless steel	bar	6	0,9

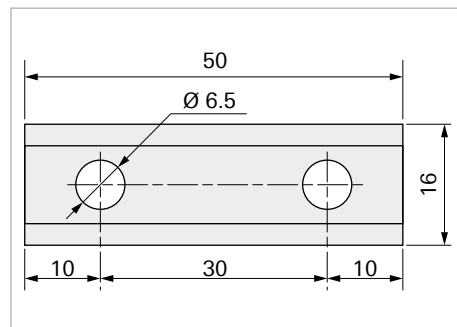
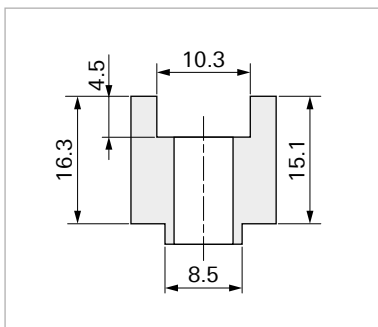
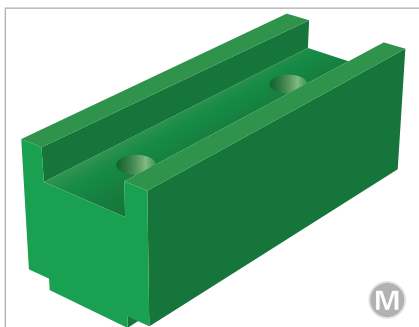
FC-20 fixing clamps



Application example



FC-50 fixing clamps



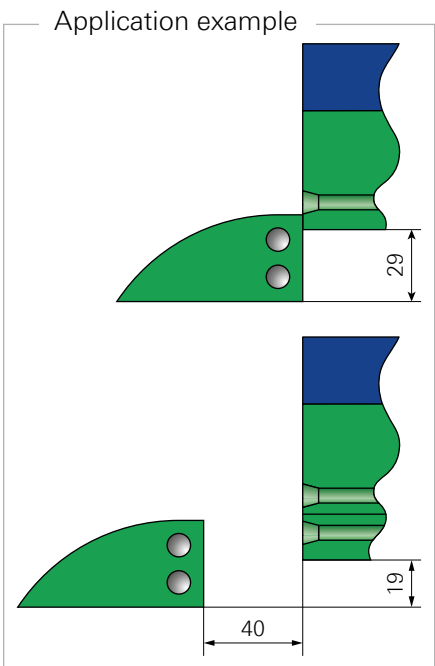
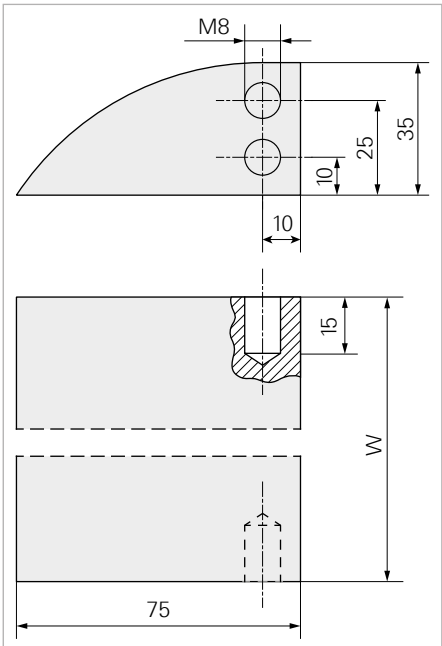
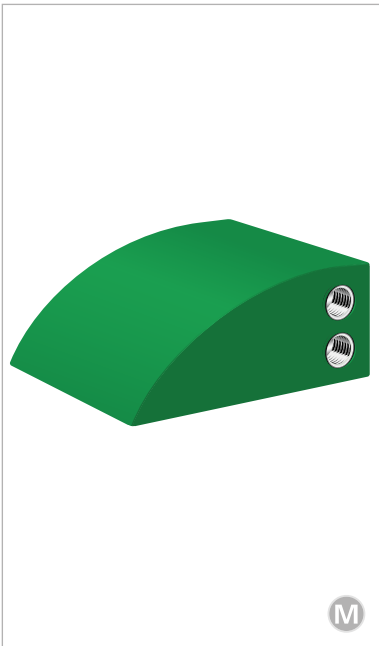
FC-20 data

Habasit code	Material	Color	Nr of clamps per box
FC-20-PE05W+FG	PE05	white	200
FC-20-PE10B+RC	PE10	black	200
FC-20-PE10G+RC	PE10	green	200
FC-20-PA6GW	PA6	white	200
FC-20-PA6GB	PA6	black	200
FC-20-POMCW+FG	POM	white	200
FC-20-POMCB	POM	black	200

FC-50 data

Habasit code	Material	Color	Nr of clamps per box
FC-50-PE05W+FG	PE05	white	100
FC-50-PE10B+RC	PE10	black	100
FC-50-PE10G+RC	PE10	green	100
FC-50-PA6GW	PA6	white	100
FC-50-PA6GB	PA6	black	100
FC-50-POMCW+FG	POM	white	100
FC-50-POMCB	POM	black	100

Return shoes



Habasit code	Chain	Nr of lanes	Material	Color	W
					mm
HP-RS-000001-PE40G	C880M/C1061 3.25"/3.30"	1	PE40G/Stainless steel	green 	100
HP-RS-000002-PE40G	C880M 4.50"	1	PE40G/Stainless steel	green 	129
HP-RS-000003-PE40G	C880M/C1061 3.25"/3.30"	2	PE40G/Stainless steel	green 	185
HP-RS-000004-PE40G	C880M 4.50"	2	PE40G/Stainless steel	green 	246

Condensed Material features	Extended material features	Old name	Habasisit material name (DoC)	Color	Sheets FOOD compliancy	Round Bars availability	Round Bars FOOD compliancy
PE Polyethylene HabiPLAST™							
High density PE (~300.000 molecular weight)	PEHD with a molecular weight in the range of 300'000 g/mol. Good performance with HabasisitLINK and HabaCHAIN materials in low demanding applications. Excellent chemical resistance. White and green limited resistance against UV light.	HabiPLAST HE/M	HabiPLAST-PE03-natwh	white 		X	
			HabiPLAST-PE03-black	black 		X	
			HabiPLAST-PE03-green	green 		X	
High density PE (~500.000 molecular weight)	PEHMMW with a molecular weight in the range of 500'000 g/mol. Good performance with HabasisitLINK and HabaCHAIN materials. Excellent chemical resistance. Limited resistance against UV light.	HabiPLAST H/SA	HabiPLAST-PE05-natwh+FG	white 	YES		
			HabiPLAST-PE05-blue+FG	blue 	YES		
High density PE (~500.000 molecular weight), recycled	Recycled PEHMMW with a molecular weight in the range of 500'000 g/mol. Should not be used for sliding applications with HabasisitLINK and HabaCHAIN materials.		HabiPLAST-PE05-black+RC	black 			
Ultra high molecular weight PE (~1.000.000), recycled, antistatic	Recycled PEUHMW with a molecular weight in the range of 1'000'000 g/mol and antistatic properties. Good performance with HabasisitLINK and HabaCHAIN materials.	HabiPLAST UHR/S	HabiPLAST-PE10-black+AR	black 		X	
Ultra high molecular weight PE (~1.000.000), recycled	Recycled PEUHMW with a molecular weight in the range of 1'000'000 g/mol. Good performance with HabasisitLINK and HabaCHAIN materials.	HabiPLAST UHR/S	HabiPLAST-PE10-green+RC	green 			
Ultra high molecular weight PE (min 4.000.000)	PEUHMW with a molecular weight higher than 4'000'000 g/mol. Sintered materials with good wear and friction properties. Suitable for high demanding applications. Good performance with HabasisitLINK and HabaCHAIN materials. Excellent chemical resistance. White and green limited resistance against UV light.	HabiPLAST UHV/S	HabiPLAST-PE40-black	black 			
			HabiPLAST-PE40-green	green 			
			HabiPLAST-PE40-natwh+FG	white 	YES	X	YES
Ultra high molecular weight PE (min 4.000.000), electroconductive	PEUHMW with a molecular weight higher than 4'000'000 g/mol. Conductive material with low friction values on conductive HabasisitLINK and HabaCHAIN materials.	HabiPLAST UHV/S-B NERA EL	HabiPLAST-PE40-black+EC	black 			
Ultra high molecular weight PE (min 4.000.000), with Molybdenum disulphide	PEUHMW with a molecular weight higher than 4'000'000 g/mol. Molybdenum filled material with good wear resistance against steel in wet and dry environment.	HabiPLAST UHV/S MOS2	HabiPLAST-PE40-black+MO	black 			
Ultra high molecular weight PE (min 8.000.000), low friction	PEUHMW with a molecular weight higher than 8'000'000 g/mol. Sintered materials with excellent wear resistance. Modified to have very low friction against steel. Excellent chemical resistance. Limited resistance against UV light.	HabiPLAST UHV/S S.PLUS	HabiPLAST-PE80-coblue+LF	coblue 			
Ultra high molecular weight PE (min 8.000.000), with glass balls	PEUHMW with a molecular weight higher than 8'000'000 g/mol. Glass balls reinforcement. Mainly used for high speed PET bottling guides.	HabiPLAST UHV/S PT	HabiPLAST-PE80-black+GB	black 			



Condensed Material features	Extended material features	Old name	Habasis material name (DoC)	Color	Sheets FOOD compliance	Round Bars availability	Round Bars FOOD compliance
PE Polyethylene HabiPLAST™							
Ultra high molecular weight PE (min 8.000.000), electroconductive	PEUHMW with a molecular weight higher than 8'000'000 g/mol. For demanding applications where a low conductivity is needed.	HabiPLAST UHW/S PLUS-EL	HabiPLAST-PE80-black+EC	black 			
TP Polyethylene special Habasit formulation TriboPlus®							
Ultra high molecular weight PE, low friction, low wear	Modified PEUHMW with very low friction and lowest wear rate with HabasitLINK and HabaCHAIN materials in not abrasive applications.	TriboPlus	TriboPlus-TP40-coblue+FG	coblue 	YES		
Ultra high molecular weight PE, low friction, low wear, electroconductive	Modified PEUHMW with very low friction and lowest wear rate with HabasitLINK and HabaCHAIN materials in not abrasive applications. With conductive properties.	TriboPlus FE	TriboPlus-TP40-black+FE	black 	YES		
PA Polyamide Habilon							
Extruded PA6	Extruded PA6. Mainly used for machined parts like sprockets.	Habilon PA6/E	Habilon-PA6E-natwh	white 		X	
Cast PA6	Cast PA6. Mainly used for machined parts like sprockets.	Habilon PA6/C	Habilon-PA6C-natwh	white 			
Cast PA6 heat stabilized	Modified cast PA6, resistant to higher temperatures (Max 120 °C).	Habilon PA6 STABCAL	Habilon-PA6C-black+ET	black 		X	
Cast PA6, with Molybdenum disulphide	Molybdenum filled cast PA6 with good wear resistance against steel in dry environment.	Habilon PA6/C-MOS2	Habilon-PA6C-black+MO	black 			
Cast PA6, self-lubricating	Modified cast PA6 with very low friction and lowest wear rate with HabasitLINK and HabaCHAIN materials in demanding applications.		Habilon-PA6C-gray+LF	gray 			
PA66, + 30% glass fibre	Glassfiber reinforced PA66 with high stiffness, high strength and high temperature resistance.	Habilon PA66/E-GF30	Habilon-PA66-black+G5	black 			
PET Polyethylene terephthalate Habipet							
PET	Very hard thermoplastic material, good performance with HabasitLINK and HabaCHAIN materials in abrasive and wet applications.	Habipet PET	Habipet-PET-black	black 			
			Habipet-PET-natwh+FG	white 	YES	X	YES
PET low friction	Modified PET with very low friction and lowest wear rate. Very hard thermoplastic material, good performance with HabasitLINK and HabaCHAIN materials in abrasive and wet applications.	Habipet PET CLS	Habipet-PET-gray+LF	gray 			
POM Polyoxymethylene Habital							
POM	Hard thermoplastic material for machined parts like sprockets. Squeaking in combination with POM belts	Habital POM	Habital-POM-black	black 			
			Habital-POM-natwh+FG	white 	YES	X	YES
			Habital-POM-coblue+FG	coblue 	YES		

Condensed Material features	Extended material features	Old name	Habasisit material name (DoC)	Color	Sheets FOOD compliance	Round Bars availability	Round Bars FOOD compliance
PP Polypropylene Habilene							
PP	Good hot water and chemical resistance.	Habilene PP	Habilene-PP-natwh	white ☐			
PTFE Polytetrafluorethylene Habiflour							
PTFE	Extreme good chemical resistance, none sticking properties.	Habiflour PTFE	Habiflour-PTFE-natwh+FG	white ☐	YES	X	YES
PTFE 25% glass fibre	Reinforced material with very good chemical resistance, none sticking properties, slightly improved wear resistance versus unfilled material.	HABIFLUOR PTFE+GF25	Habiflour-PTFE-natwh+G4	white ☐			
PVC Polyvinylchloride Habivit							
PVC	Good chemical resistance.	Habivit PVC/E	Habivit-PVC-natwh	white ☐		X	
			Habivit-PVC-gray	gray ☐		X	
			Habivit-PVC-black	black ☐			

Materials for machined parts							
Brand		HabiPLAST™					
Grade		PE05+RK	PE05+RC	PE40+MO	PE80+EC	PE80+GB	PE80+LF
Base		PEHMW		PEUHMW			
Density	g/cm ³	0,94	0,94	0,95	0,93	0,96	0,93
Thermal Nominal values							
Temperature range	°C	-150 to +80	-150 to +80	-70 to +65	-70 to +65	-70 to +65	-70 to +65
	°F	-238 to 176	-238 to 176	-94 to 150	-94 to 150	-94 to 150	-94 to 150
Coeff. of linear thermal expansion α	mm/(m×K)	0,2	0,2	0,2	0,2	0,2	0,2
	in/(ft×°F)	0,00133	0,00133	0,00133	0,00133	0,00133	0,00133
Mechanical Nominal values							
Tensile modulus	MPa	750	750	580	900	750	
Tensile strength	MPa	19	19	18	20	18	20
Tensile elongation	%	200	200	200	200	50	200
Charpy notched impact resistance	mJ/mm ²	90		120			
Ball hardness	MPa	34	34	40	42	33	30
Electrical Nominal values							
Volume resistivity	Ohm×cm			≥10 ¹²	≤10 ⁴	≥10 ¹⁴	≥10 ¹⁴
Surface resistivity	Ohm			≥10 ¹²	≤10 ⁴	≥10 ¹²	≥10 ¹³

Materials for machined parts											
Brand		Habilon					Habiflour		Habital	Habilen	Habivit
Grade		PA6E	PA6C	PA6C +ET	PA6C +MO	PA66 +GF	PTFE	PTFE +GF	POM	PP	PVC
Base		Polyamide / Nylon					PTFE		POM	PP	PVC
Density	g/cm ³	1,14	1,15	1,15	1,15	1,3	2,15	2,23	1,41	0,91	1,44
Thermal Nominal values											
Temperature range	°C	-30 to +100	-30 to +90	-30 to +120	-40 to +100	-20 to +110	-200 to +260	-200 to +260	-50 to +100	-18 to +105	0 to +60
	°F	-22 to +212	-22 to +194	-22 to +248	-40 to +212	-4 to +212	-238 to +500	-238 to +500	-58 to +212	0 to +221	32 to +140
Coeff. of linear thermal expansion α	mm(m×K)	0,12	0,08	0,08	0,11	0,05	0,13	0,1	0,12	0,16	0,2
	in/(ft×°F)	0,00080	0,00053	0,00053	0,00073	0,00033	0,00087	0,00067	0,00080	0,00107	0,00133
Mechanical Nominal values											
Tensile modulus	MPa	3300 (dry)	3600 (dry)	3500 (dry)	3200 (dry)	5000 (dry)		600	2800	1400	3300
Tensile strength	MPa	79 (dry)	88 (dry)	86 (dry)	82 (dry)	85 (dry)	24	17	66	32	58
Tensile elongation	%	130 (dry)	25 (dry)	25 (dry)	55 (dry)	5 (dry)	250	230	50	8	4
Charpy notched impact resistance	mJ/mm ²			3,5 (dry)		6 (dry)				7	
Ball hardness	MPa	155 (dry)	165 (dry)	165 (dry)	170 (dry)	165 (dry)			140	70	82
Electrical Nominal values											
Volume resistivity	Ohm×cm	≥10 ¹⁴	≥10 ¹⁴	≥10 ¹⁴	≥10 ¹⁴	≥10 ¹⁴	≥10 ¹⁸	≥10 ¹⁵	≥10 ¹⁴	≥10 ¹⁴	≥10 ¹³
Surface resistivity	Ohm	≥10 ¹⁴	≥10 ¹³	≥10 ¹³	≥10 ¹⁴	≥10 ¹³	≥10 ¹⁷	≥10 ¹⁵	≥10 ¹³	≥10 ¹⁴	≥10 ¹³

		HabasitLINK				HabaCHAIN			Steel Chains	HabiPLAST Belt support
		Modules	Rods	Sprocket		Chain	Sprocket			
				molded	machined		molded	machined		
Standard	General use	PP	PA	POM	POM	DP	GS	PA	carbon steel	PE40 PE10+RC
	General use, wet	PP	POM	POM	POM	DP	GS	PA	stainless	PE40 PE10+RC
	Chemical resistance	PP	PP	PP	PE40	PP		PE40	stainless	PE40 PE10+RC
	Impact, low temperature	PE	PE	POM	POM					PE40 TP40
	High load, dry	POM+JM	PA	PA	PA	LF	GS	PA		TP40 PA6C+LF
	High load, wet	POM+JM	PBT	POM	PA	LF	GS	PA		PE40 TP40
	High speed, dry	POM+LF	PA	PA	PA	NG, TS	ND	PA		TP40 PA6C+LF
	High speed, lubricated	POM	PBT	POM	PA	LF	ND	PA		PE40
	ESD (electrostatic dissipative)	POM+EC PP+EC PP+FC	PA	PA	PA	EC	GS	PA		TP40+FE PE40+EC
Specifically for meat	General use	PE POM	PE	POM	POM					PE40
	Cutting, low temperature	POM+IM POM+JM	PE	POM	POM					PE40 PET
Abrasive environment	Wet, up to 60 °C (140 °F)	PP	PBT, WHI Steel	PA, TPU	PA, PE40	PK	GS	PA		Steel
	Wet, up to 60 °C (140 °F), high load	POM	PBT, WHI Steel	PA, TPU	PA	PK	GS	PA		Steel
	Dry	PP	PA, Steel	PA, TPU	PA, PE40	WR	GS	PA		PA6C+LF
	Dry, high load	POM	PA, Steel	PA, TPU	PA	WR	GS	PA		PA6C+LF Steel
High temperatures	Wet, 60 °C to 105 °C (140 °F to 220 °F)	PP	PP	PP	Steel	PP	GS			Steel
	Dry, high load up to 93°C (200 °F)	POM	PA	PA	PA+GF Steel	LF	GS			PA6C+LF
	Elevated temperatures up to 130 °C (266 °F)	PA	PA	PA	PA+GF Steel	HT	CI			Steel
	Food contact and temperatures up to 145 °C (293 °F)	PA+GF	ST/Steel	ST	Steel	SS	CI			Steel
	Temperatures up to 170 °C (338 °F)	PA+HT	ST/Steel	ST	Steel	CS	CI			Steel
	Food contact and Temperatures up to 200 °C (392 °F)	ST	ST/Steel	ST	Steel	SS/SH/SA	CI			Steel
Special	Fryer up to 205°C	ST	ST/Steel	ST	Steel					Steel
	Microwave unfreezing -30 to 40°C	PE	PE	POM	POM					PE40 / Steel
	Microwave cooking up to 100°C	PP	PP	POM	POM					PE40 / Steel
	Microwave baking 140 - 160°C	ST	ST	ST	Steel					Steel

		Cleandrive			Timing Belt			Extruded round belts, profiles and flat belts	HabiPLAST Belt support
		Belt	Sprocket		Belt		Sprocket		
			molded	machined	material	cord			
Standard	General use	TPU	POM	POM PE40	TPU 01	Steel	Aluminium	PVC, TPU	PE40 POM
	General use, wet	TPU	POM	POM PE40	TPU 05	Aramid	Aluminium	PVC, TPU-H	PE40 POM
	Chemical resistance	TPU	POM	POM PE40	TPU 04	Steel	Aluminium	PVC (TPU)	PE40 TP40
	Impact, low temperature	TPU	POM	POM PE40	TPU 01	Steel	Aluminium	TPU	PE40 TP40
	High load, dry	TPU	POM	POM PE40	TPU 01	Power steel	Aluminium	TPU	POM PA6C+LF
	High load, wet	TPU	POM	POM PE40	TPU 01	Power SS	Aluminium	TPU	POM
	High speed, dry	TPU	POM	POM PE40	TPU 01 + PA fabric	Aramid	Aluminium	TPU	TP40 PA6C+LF
	High speed, lubricated	TPU	POM	POM PE40	TPU 01	Aramid	Aluminium	TPU	PE40
	ESD (electrostatic dissipative)	TPU	POM	POM PE40	TPU 01+ antistatic fabric	Steel	Aluminium	TPU	TP40+FE PE40+EC
Specifically for meat	General use							TPU	PE40
Abrasive environment	Wet, up to 60 °C (140 °F)	TPU	POM	POM PE40	TPU 01 H	SS	Aluminium	TPU-H	POM
	Wet, up to 60 °C (140 °F), high load				TPU 01 H	Power SS	Aluminium	TPU-H	POM
	Dry	TPU	POM	POM PE40	TPU 01 H + PA fabric	Steel	Aluminium	TPU	PA6C+LF Steel sheet / round steel bars
	Dry, high load				TPU 01 H	Power steel	Aluminium	TPU	PA6C+LF Steel
High temperatures	Wet, 60 °C to 80 °C (140 °F to 176 °F)	TPU		PP					Round steel bars
	Dry, up to 80°C	TPU	POM	POM					PA6C+LF
	Elevated temperatures up to 130 °C (266 °F)				TPU 01 with heatmate cover	Steel	Aluminium		Steel

HabiPLAST™ materials for sliding / tribological applications

Brand	HabiPLAST™										TriboPlus	Habilon	Habipet	Stainless Steel
Grade	PE03	PE05	PE10+RC	PE10+AR	PE40	PE40+EC	TP40	TP40+FE	PA6C+LF	PETC	1,4301			
Base	PEHD	PEHMMW			PEUHMW				Cast Nylon	PET				
Density	g/cm ³	0,95	0,95	0,94	0,94	0,93	0,93	0,93	1,14	1,39				
Thermal														
Temperature range	°C	-70 to +65	-70 to +65	-70 to +65	-70 to +65	-70 to +65	-70 to +65	-70 to +65	-30 to +90	-20 to +100				
	°F	-94 to +150	-94 to +150	-94 to +150	-94 to +150	-94 to +150	-94 to +150	-94 to +150	-22 to +194	-4 to +212				
	mm/(m×K)	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,08	0,07				
Coeff. of linear thermal expansion α	in/(ft×°F)	0,00133	0,00133	0,00133	0,00133	0,00133	0,00133	0,00133	0,00053	0,00047				
Mechanical														
Tensile modulus	MPa	1300		600	600	700	700	600	3150 (dry)	3500				
Tensile strength	MPa	23	27	17	17	18	18	24	80 (dry)	90				
Tensile elongation	%	50	200	200	200	200	200	140	25 (dry)	15				
Charpy notched impact resistance	mJ/mm ²	105		80	80	170	140	260	4	2				
Ball hardness	MPa		45	38	37	38	38	30	150	170				
Electrical														
Volume resistivity	Ohm×cm	≥10 ¹⁶	≥10 ¹⁴	≥10 ¹⁴	≥10 ⁷	≥10 ¹⁴	≥10 ¹⁴	≥10 ¹⁴	≥10 ¹⁴	≥10 ¹⁴				
Surface resistivity	Ohm	≥10 ¹³	≥10 ¹³	≥10 ¹³	≥10 ⁹	≥10 ¹³	≥10 ¹³	≥10 ¹³	≥10 ¹²	≥10 ¹³				
Coefficient of friction and wear rate (dry and clean)														
HabasiLINK® PBT HabaCHAIN® NP	friction ¹	-	-	-	-	-	-	-	-	-	-	-	-	-
	wear rate ²	-	-	-	-	-	-	-	-	-	-	-	-	-
HabasiLINK® POM HabasiLINK® POM +AS HabaCHAIN® DP	dry	friction ¹	0,26	0,24	0,24	0,26	0,22	0,19	0,22	0,18	0,27	0,27	0,39	0,5
	dry	wear rate ²	B	B	B	A	A++	A++	A++	A	C	C	B	B
	wet	friction ³	-	-	-	0,15	0,15	0,12	0,12	0,12	0,31	0,31	C	C
	wet	wear rate ²	-	-	-	A++	A+	A++	A++	A++	0,34	0,34	C	C
HabasiLINK® POM +DX HabasiLINK® POM +EC HabaCHAIN® EC	wet	friction ³	-	-	-	0,23	0,23	0,22	0,22	0,22	0,32	0,32	C	C
	abrasive	wear rate ²	-	-	-	B	B	B	B	B	0,47	0,47	C	C
	dry	friction ¹	-	-	-	0,33	0,33	0,19	0,19	0,19	0,64	0,64	C	C
	dry	wear rate ²	-	-	-	A	A	A++	A++	A++	0,35	0,35	B	B
HabasiLINK® POM +LF HabaCHAIN® LF	dry	friction ¹	-	-	-	-	-	-	-	-	0,44	0,44	C	C
	dry	wear rate ²	-	-	-	0,22	0,22	0,16	0,16	0,18	0,23	0,23	C	C
	wet	friction ³	-	-	-	A+	A+	A+	A+	A+	0,32	0,32	C	C
	wet	wear rate ²	-	-	-	-	-	-	-	-	0,32	0,32	C	C
HabasiLINK® POM +PK HabaCHAIN® PK	dry	friction ¹	-	-	-	0,25	0,24	0,17	0,17	0,17	0,33	0,33	C	C
	dry	wear rate ²	-	-	-	A++	A++	A++	A++	A++	0,22	0,22	C	C
	wet	friction ³	-	-	-	0,22	0,22	0,15	0,15	0,15	0,22	0,22	B	B
	wet	wear rate ²	-	-	-	A++	A++	A++	A++	A++	0,23	0,23	B	B
HabasiLINK® PP HabasiLINK® PP+AS	wet	friction ³	-	-	-	0,23	0,23	0,16	0,16	0,16	0,23	0,23	C	C
	abrasive	wear rate ²	-	-	-	A+	A+	B	B	B	0,39	0,39	C	C
	dry	friction ¹	-	0,21	0,24	0,24	0,25	0,16	0,22	0,29	0,6	0,6	C	C
	wet	wear rate ²	-	-	-	A	A++	A+	A++	C	0,29	0,29	C	C



HabiPLAST™ materials for sliding / tribological applications

Coefficient of friction and wear rate (dry and clean)			Nominal values				
HabasiLINK® PP	wet	friction ³		0,21		0,16	0,30
HabasiLINK® PP+AS	abrasive	wear rate ²		B		A+	C
HabasiLINK® PP+EC	dry	friction ¹	0,24		0,21		0,58
		wear rate ²			A+		B
HabasiLINK® PP+FC	dry	friction ¹			0,24		0,51
		wear rate ²			A+		C
HabasiLINK® PP+FR	dry	friction ¹		0,25	0,18		0,37
		wear rate ²		A	A++		B
HabasiLINK® PA	dry	friction ¹	0,32	0,31	0,18	0,27	0,55
		wear rate ²		A+	A++	C	C
HabaCHAIN® NY	wet	friction ³		0,14	0,14		0,45
	abrasive	wear rate ²		B	A		C
	dry	friction ¹		0,33			0,48
		wear rate ²		A++	A++	0,6	C
HabasiLINK® PA+FRF	wet	friction ³		0,14			0,27
		wear rate ²		A++			C
	wet	friction ³		0,16	0,16		0,34
	abrasive	wear rate ²		A	B		C
	dry	friction ¹		0,28			0,45
		wear rate ²		A	A+	0,39	B
HabasiLINK® PA+GF	wet	friction ³		0,13			0,33
	abrasive	wear rate ²		A			C
HabasiLINK® PE	dry	friction ¹		0,38	0,25	0,21	0,24
		wear rate ²		C	B	C	C
	dry	friction ¹		0,21	0,15	0,12	0,84
		wear rate ²		A	A++	A+	C
HabasiLINK® WHI	wet	friction ³			0,15		0,40
		wear rate ²			A++	A++	C
	wet	friction ³		0,20	0,19		0,42
	abrasive	wear rate ²		B	B		C
HabaCHAIN® PT	dry	friction ¹		0,25	0,17	0,18	
		wear rate ²		B	A+	A++	
HabaCHAIN® TS	dry	friction ¹	0,23	0,22	0,15	0,17	
		wear rate ²		C	A++	A+	
HabaCHAIN® NG	dry	friction ¹	0,24	0,24	0,18	0,18	
		wear rate ²		A	A++	A++	
HabaCHAIN® PP	dry	friction ¹		0,23	0,25	0,22	0,6
		wear rate ²		C	A++	C	C
HabaCHAIN® HT	dry	friction ¹		0,28	0,19	0,39	0,45
		wear rate ²		A	A+	A++	B
Stainless Steel 1.4301	dry	friction ¹		0,27	0,13		
		wear rate ²		A+	A++		

¹measured on a test conveyor with 1500 kg/m² load, speed range 5 – 15 m/min, test distance 800 km

²measured on a pin on disk test, total wear rate of pin and disk together

³measured on a pin on disk test during wear test

Wear rate

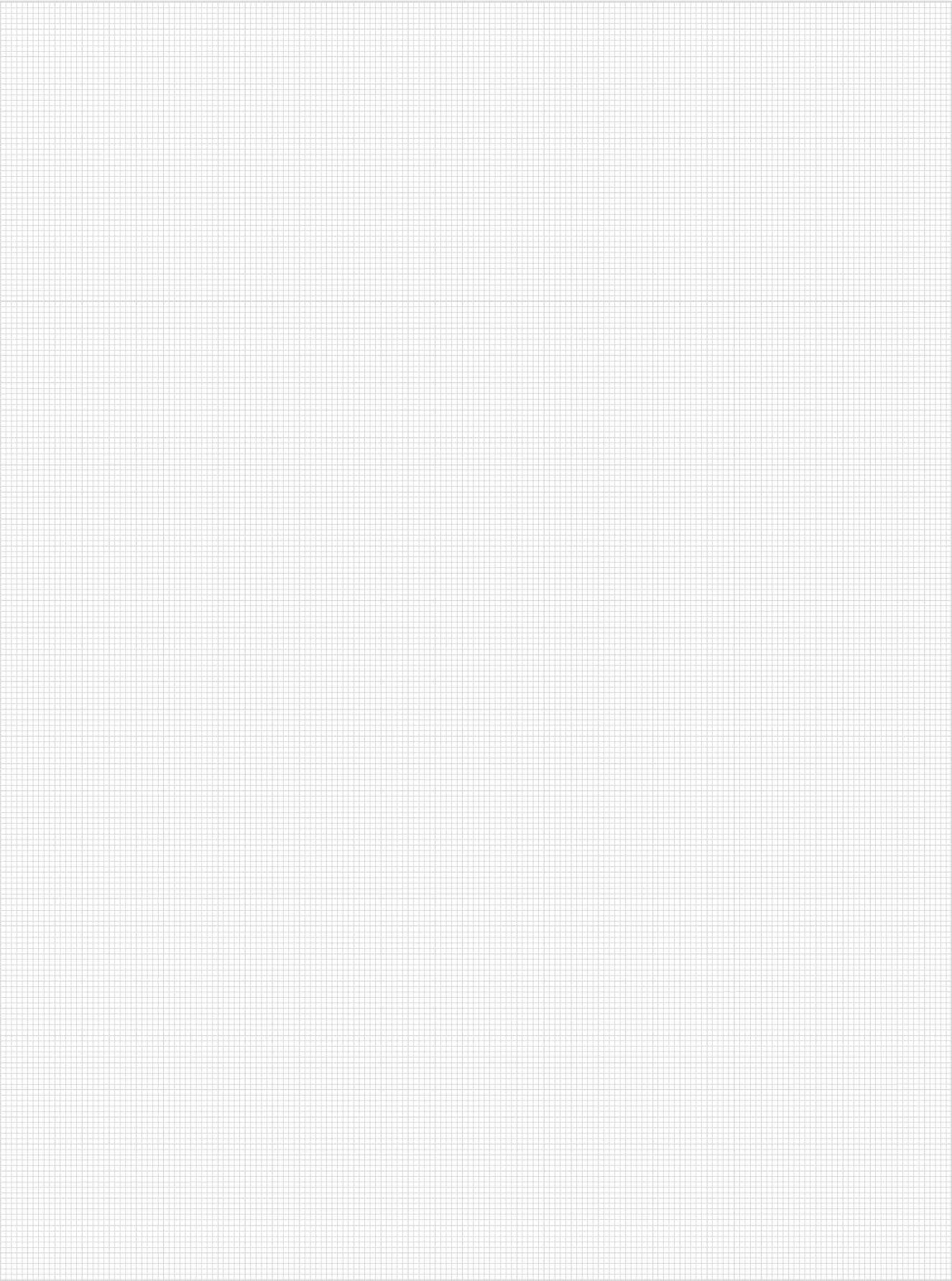
A++ = Best performance

A+ = Good Performance

A = Standard combination

B = Acceptable but not recommended

C = Bad solution – do not use



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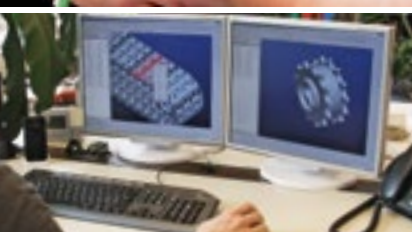
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