

HabiPLAST™ TriboPlus®

Outstanding tribological properties –
higher productivity and energy savings



HabiPLAST™ TriboPlus® represents the new generation of Polyethylene guides for modular belts and chains with the highest performances in terms of low friction coefficient, and high wear resistance.

Compared to the standard high density Polyethylene (UHMWPE), laboratory tests showed the following properties:

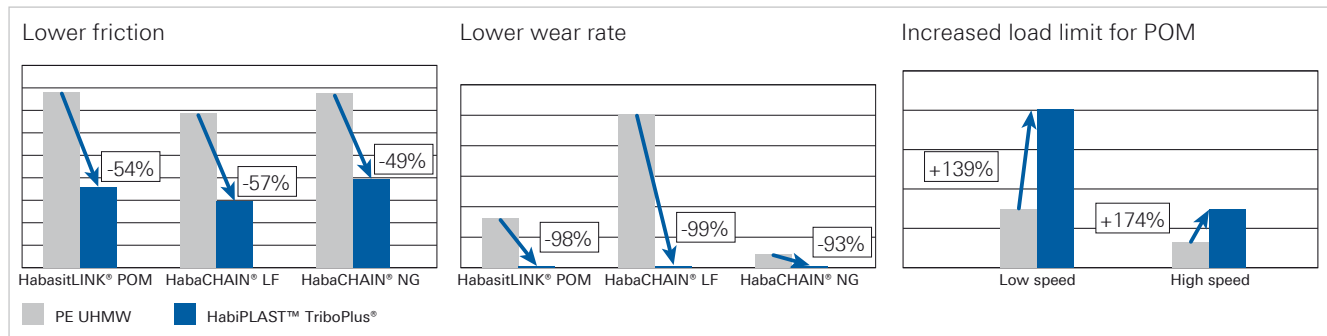
- Reduction of friction and power consumption of about 50%
- Nearly complete absence of wear
- Much higher load limit

Outstanding tribological properties – higher productivity and energy savings

Tribology is the science of rubbing surfaces in relative motion, including the study and application of the principles of friction, lubrication, and wear.

TriboPlus® formulation is the result of extensive material trials in order to provide the best performances combined with the HabaCHAIN® and HabasitLINK® solutions.

Convincing results for higher productivity and energy savings



The customer benefits are even more evident in presence of applications with severe working conditions:

- High speed
- Heavy loads
- Curves with high frictions
- Frequent cleaning operations

In addition to the standard version, the TriboPlus® profiles can be provided with the special ESD (Electro Static Discharge) Polyethylene.

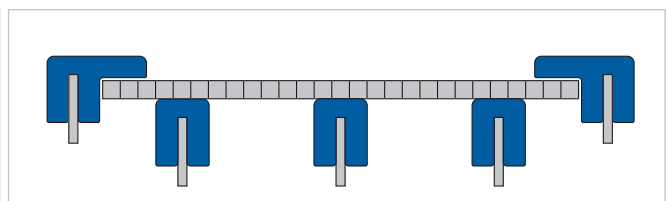
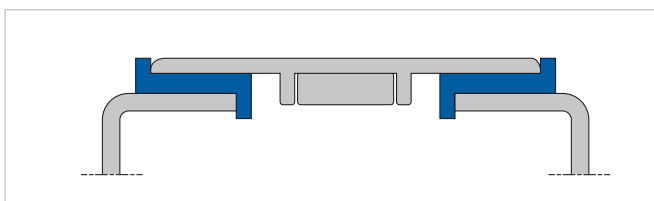
TriboPlus® is compliant to the EU 10/2011 and FDA food regulations.

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

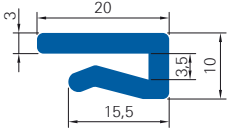
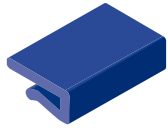
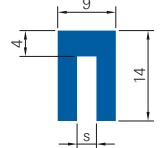
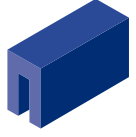
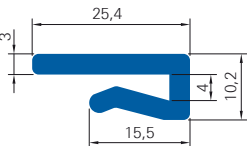
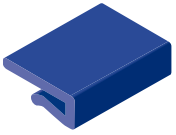
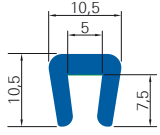
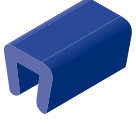
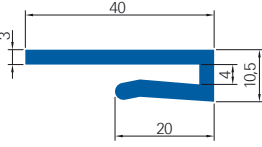
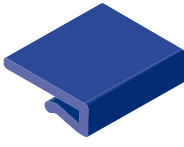
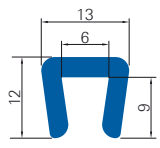
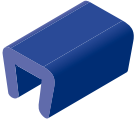
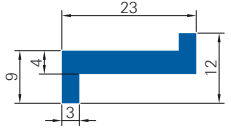
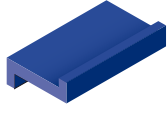
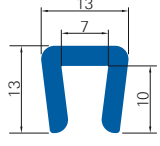
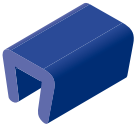
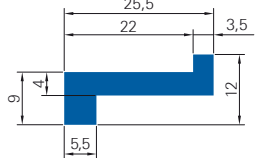
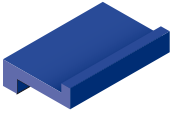
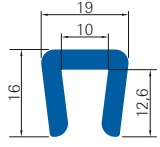
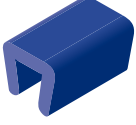
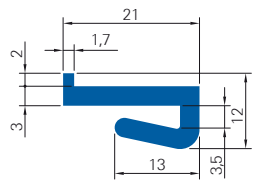
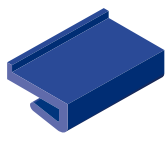
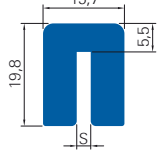
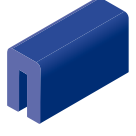
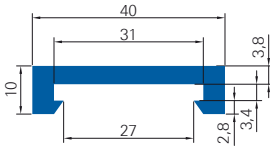
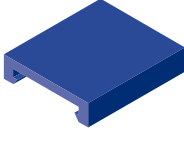
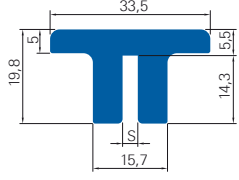
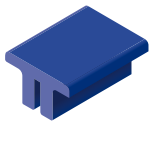
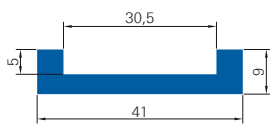
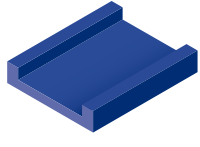
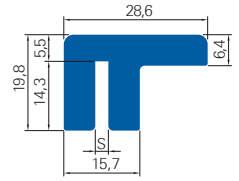
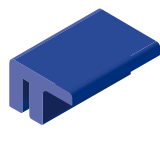
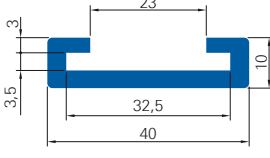
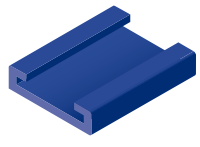
Your benefits at a glance

Product properties	Your benefits
• 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 belt life	• Lower operational costs

Application examples



Standard RAM extruded profiles

LK20 TriboPlus®  	GL-2 TriboPlus®   <p>s= 2,2-3,2-4,2</p>
LK25 TriboPlus®  	GL-1 TriboPlus®  
LK40 TriboPlus®  	GL-6 TriboPlus®  
ZR TriboPlus®  	GL-7 TriboPlus®  
ZR2 TriboPlus®  	GL-10 TriboPlus®  
ZK TriboPlus®  	MB 01 TriboPlus®   <p>s= 2,2-2,7-3,2-4,5-5,2</p>
U2 TriboPlus®  	MB 01T TriboPlus®   <p>s= 2,7-3,2</p>
U TriboPlus®  	MB 02 TriboPlus®   <p>s= 2,2-2,7-3,2-4,5-5,2</p>
C-02 TriboPlus®  	

Solutions in motion



Comprehensive consulting and technical support

Profit from the best consulting and technical support in the lightweight belting industry. Local experts are always available to assist you with your belting needs. The Habasit team is proud to provide the highest levels of support, together with top-quality products that have led the global market for decades.



Belt selection and calculation assistance

We are always glad to help you select the most suitable belt for any application. We now also provide the free online tool 'SeleCalc' that makes it easy to make selections and calculations yourself. Simply register online at selecalc.habasit.com.



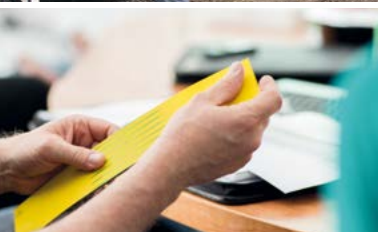
Fabrication, assembly and local installation services

As a full-service belting provider, we offer joining and assembly services either at our own locations or directly on your equipment.



Habasit has over 30 affiliates worldwide, each with its own inventory, fabrication, assembly and service facilities.

Together with representative offices and numerous qualified distributors, we can react quickly and efficiently to meet all your needs.



Customer training programs

To ensure the optimal performance and maximum lifespan of all our products, we offer training programs and various support tools. These include procedures for fabrication, installation, assembly, maintenance and belt repair, all of which take place at a Habasit site or at your location.



Belt monitoring, inspections, analyses and process optimization proposals

We organize and handle belt maintenance, inspections, analyses and surveys at customer sites. Upon request, we are ready to develop optimization proposals to ensure you're getting maximum value from your machinery and process output.



Design assistance for customized solutions

Habasit believes in building partnerships with our customers. Our engineering team will work closely with your engineers on joint design developments from initial design to final implementation. This expert service can be invaluable for projects involving new technologies or large-scale modifications and adaptations.

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