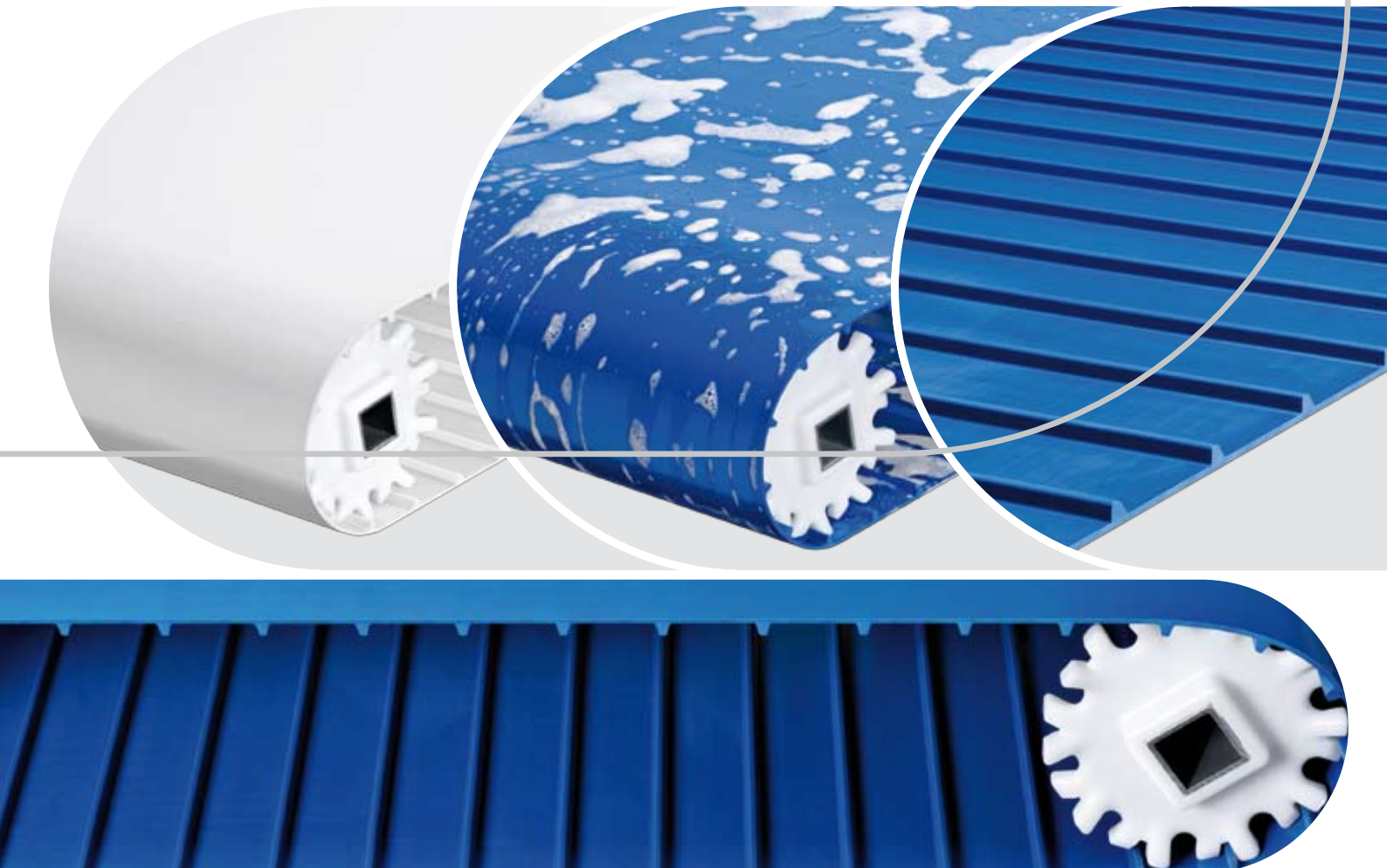


Habasit Cleandrive® Conveyor Belts

Product Overview

Habasit – Solutions in motion



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Product liability, application considerations

If the proper selection and application of Habasit products are not recommended by an authorized Habasit sales specialist, the selection and application of Habasit products, including the related area of product safety, are the responsibility of the customer. All indications / information are recommendations and believed to be reliable, but no representations, guarantees, or warranties of any kind are made as to their accuracy or suitability for particular applications. The data provided herein are based on laboratory work with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experiences can lead to modifications and changes within a short time without prior notice. BECAUSE CONDITIONS OF USE ARE OUTSIDE OF HABASIT'S AND ITS AFFILIATED COMPANIES' CONTROL, WE CANNOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS MENTIONED HEREIN. THIS ALSO APPLIES TO PROCESS RESULTS / OUTPUT / MANUFACTURING GOODS AS WELL AS TO POSSIBLE DEFECTS, DAMAGES, CONSEQUENTIAL DAMAGES, AND FURTHER-REACHING CONSEQUENCES.



New belt concept

Belts play a key role in many production processes, and particularly in the food industry, the hygiene properties of the belts used are absolutely crucial.

For specific applications in hygiene sensitive areas, Habasit has developed a brand new belt concept: the Cleandrive® conveyor and processing belt.

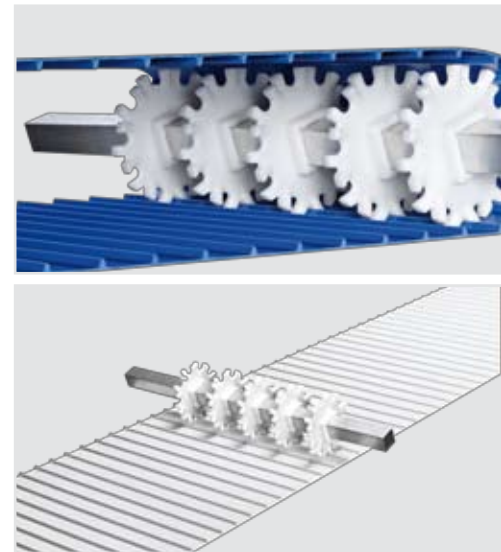
Habasit Cleandrive® features a totally smooth conveying surface, combined with a reverse side structure of lateral drive bars, which fit perfectly into the sprockets of 2" HabasitLINK® plastic modular belts.

High quality thermoplastic material allows use in aggressive cleaning areas, while the closed surface limits the accumulation of waste and debris on the reverse side. Longitudinal reinforcement using high-tech aramide cords ensures belt stability even long-term and under load. The positive engagement of the Habasit Cleandrive® bars allows the use of an energy-saving conveyor design, similar to plastic modular belt conveyors.

The Habasit product range

Habasit offers a wide range of belts for a variety of applications as well as complementary products and services for the food industry:

- **HabasitLINK®/KVP®** plastic modular belts – including the new HyCLEAN belts and sprockets, and the HyCLEAN CIP system
- **HabaFLOW®** fabric-based conveyor and processing belts
- **HyGUARD®/HabaGUARD®** antimicrobial belts
- **HySAN®** oil and fat resistant PVC belts
- **HabaCHAIN®** slat and conveyor chains
- **HabiPLAST®** profiles, guides and wear strips
- **Rossi Gearmotors** gear reducers and gear motors



Cleandrive® belts are designed to limit the risks due to product waste hidden in the gaps in plastic modular belts. As a result, they are particularly appropriate for use in the food industry.


Wet food processing

- Meat and poultry processing: cooked, fried, frozen products, processed meat and poultry handling, and sausage production
- Fish and seafood processing: washed, steamed, cooked, fried, frozen products, processed fish and seafood handling
- Fruit and vegetable processing: washed, cooked, steamed, bleached, fried and frozen products
- Potato processing: French fries and chip manufacture

Cleandrive® also offers excellent tracking properties, advantageous also in other food areas:

- Bakery: dough handling, trash conveyors, baked, fried or frozen pastry and snack food
- Cheese production: curing, handling, packaging of cheese and other dairy products
- Cereal manufacturing: handling of cooked, expanded, blanched and cured cereal products

Habasit Cleandrive® belts meet all core regulatory requirements for the food processing industry:

- FDA and EU food contact material regulations
- NSF 
- USDA Meat and Poultry
- USDA Dairy

Other conveyor applications

In addition to serving the food industry, Cleandrive® is an excellent solution for several complex conveyor applications. This is because Cleandrive® offers good tracking behavior combined with high lateral stiffness and excellent flat laying properties.

- Metal detection units
- Incline/decline conveyors
- Easy application of cleats/scoops support in any elevating/packaging or product handling application



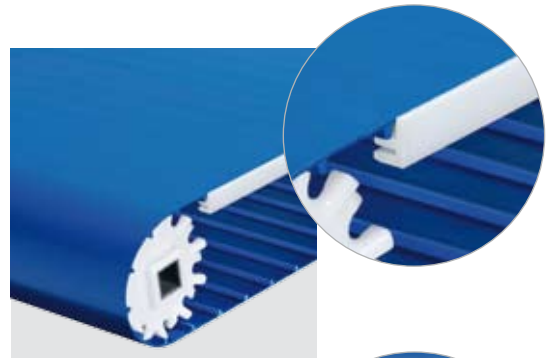
Habasit Cleandrive® features

- Positive drive bar to engage in plastic modular belt sprockets
- A closed thermoplastic surface for easy cleaning and limited accumulation of waste and dirt
- Longitudinal reinforcement to limit plastic creep and keep belt dimensions stable
- Wide range of thermoplastic weldable auxiliaries: cleats and sidewalls – all with hygienic design and the same chemical resistance as the belt carcass
- Auxiliaries for the conveyor from the HabasitLINK® sprocket and HabiPLAST® profiles range: ideal combination of materials from a single experienced partner



Drive bar

A well-designed full belt width drive bar supports continuous sprocket engagement in a low – to no – tension conveyor design.



Tensile member

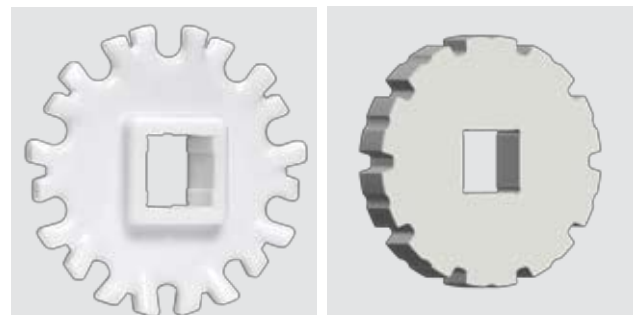
Cleandrive® features longitudinal reinforcement made from a high-tech aramide fiber. As a result belt elongation at load is substantially lower over the whole belt lifetime.



Sprocket

Cleandrive® is designed to fit into the well-known HabasitLINK® 2" inch sprockets; there is no need for special rollers or custom-made sprockets. Other 2" sprockets on the market can also be supported in many cases.

For increased loads, and small transfers Habasit recommends the use of specific Cleandrive® sprockets.



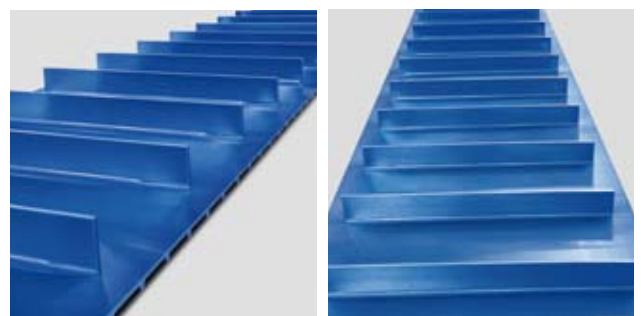
Raw material








The raw material used for Cleandrive® belts features sustainable resistance against common cleaning agents. Combined with the tensile member, the belt offers a long service life in tough environmental conditions. The materials are fully approved by the leading food authorities.



Overall design

Manufactured in open length coils, Cleandrive® belts only need one state-of-the-art joint to be installed endless. The smooth surface, materials used and belt shape provide excellent support for the requirements of hygiene-critical food applications.



	Features	Benefits
	<ul style="list-style-type: none"> • High tech fiber as tensile member 	<ul style="list-style-type: none"> • No belt creep at load • Constant belt dimensions • Good tracking behavior over life entire time
	<ul style="list-style-type: none"> • Homogeneous, closed, smooth surface 	<ul style="list-style-type: none"> • No traps or hinges to clamp product • Very easy to clean • Good product release
	<ul style="list-style-type: none"> • Full belt width tracking bars 	<ul style="list-style-type: none"> • Firm and reliable engagement in sprockets
	<ul style="list-style-type: none"> • Good chemical resistance of thermoplastic material 	<ul style="list-style-type: none"> • Cleaning agents – cannot affect belt material – increases life-time, reduces hygiene risks
	<ul style="list-style-type: none"> • Overall rounded shapes 	<ul style="list-style-type: none"> • Less product waste on belt reverse side: reduced risk of contamination • Designed for easy cleaning
	<ul style="list-style-type: none"> • Wide range of profiles: cleats and sidewalls in same material as the belt 	<ul style="list-style-type: none"> • Easy to weld • Hygienic profile base uses HF welding • High resistance to cleaning agents
	<ul style="list-style-type: none"> • Butt Joint with additional welding rod (recommended method) 	<ul style="list-style-type: none"> • Easy on-site joining • Reliable and quick – low down-time • Conveying side remains smooth and even
	<ul style="list-style-type: none"> • Flexproof joining method 	<ul style="list-style-type: none"> • Reliable hold over life time • On-site installation • High load resistance

Joining principles

Cleandrive® belts use standard Habasit tooling and our proven adhesive-free Flexproof and Butt Joint technologies for joining. These provide:

- A clean and smooth belt surface after welding – no burrs or weld residues
- Strong and reliable belt joints – supporting even long and heavily loaded belts
- Belt installation on-site, using state-of-the-art high-speed presses, so reducing downtime
- Application of cleats, scoops and sidewalls at almost any position without limitations due to joins



Butt Joint

The new Butt Joint method allows easy and quick joining of Cleandrive® belts, using state-of-the-art hot air joining tools and a welding rod made of the same thermoplastic material as the belt itself. Quick and easy to use, the Butt Joint delivers reliable strength and needs a very short downtime.



Flexproof

Habasit's proven Flexproof joining method assures a smooth belt surface and a highly reliable joint over the belt lifetime. The extremely long contact length between the two belt ends enables strong integration of the melting thermoplastic material, which keeps its bending properties.

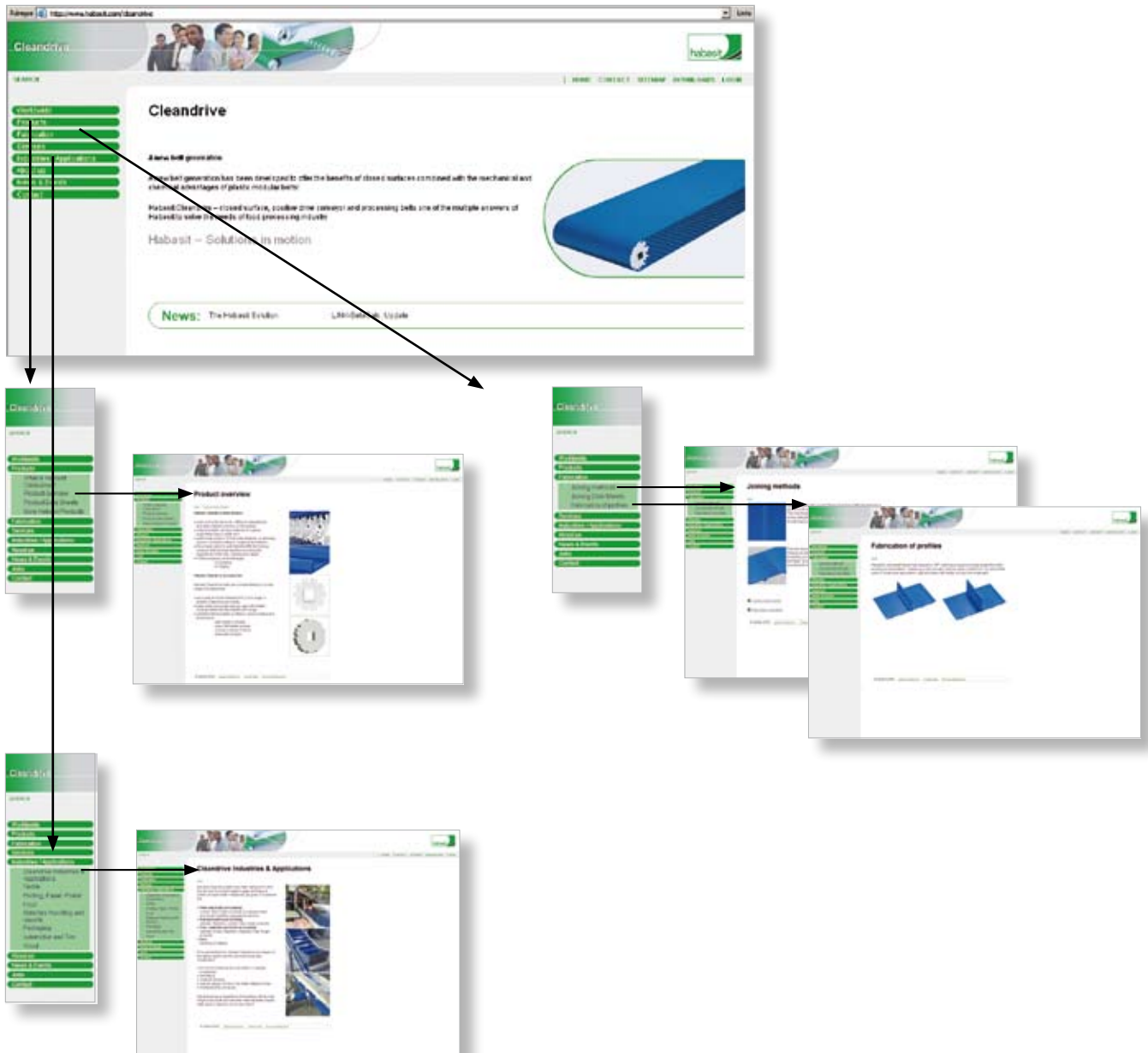


Profile fabrication

Habasit's well-established HF (High Frequency) welding process provides excellent profile bonding to the belt surface, with a well rounded, easy to clean profile foot for all profiles used in Cleandrive® applications: light and heavy flat cleats, scoops and sidewalls.

www.habasit.com/cleandrive

Visit our website for detailed product data and joining instructions, together with additional and constantly updated information.



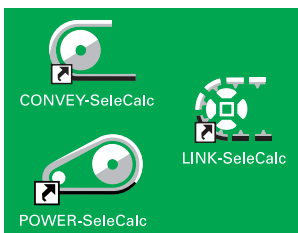
Comprehensive services are central to Habasit’s belting solution approach.

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



Comprehensive consulting and technical support

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



Assistance with belt selection and calculation

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



Fabrication, assembly and local installation services for quick reaction times

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



Customer training programs

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



Belt monitoring, inspections, analyses and process optimization proposals

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



Design assistance for customized solutions

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

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

Customers come first

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

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



Committed to innovation

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



Certified for quality

We deliver the highest quality standards not only in our products and solutions, but also in our employees' daily work processes. Habasit AG is certified according to ISO 9001:2000.



Worldwide leading product range

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

A selection of our product ranges:



HabaFLOW®
Fabric based conveyor and processing belts

HabasitLINK® & KVP®
Plastic modular belts

HabaDRIVE®
Power transmission belts



HabaSYNC®
Timing belts

HabaCHAIN®
Chains (slat and conveyor chains)

HabiPLAST®
Profiles, guides, wear strips



Machine tapes

Seamless belts

Round belts



Fabrication tools (joining tools)

Gear reducers, gearmotors, motion control

Electric motors

Worldwide support

Our extensive organization is ready to support you anywhere in the world. Engineering and emergency assistance, quotes and order status are just a phone call away. Wherever you are. Whenever you need us.

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ROSSI GERMOTORS

a partner of Habasis, is one of Europe's largest industry groups for the production and sale of gear reducers, gearmotors, inverters, standard and brakemotors.

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