

CUSTOMIZED MACHINE TRANSMISSION AND INDUSTRIAL CONVEYING



INDUSTRIAL MACHINEPARTS AND SERVICES FOR HEAVY-DUTY INDUSTRIES

- **SPARE PARTS**
design, production, repairs
- **DRUMMOTORS**
distribution, repairs
- **CONVEYING SYSTEMS**
design, production, repairs
- **CONVEYING BELTS**
production, repairs
- **MAINTENANCE**
every single workingday
- **TRANSMISSION BELTS**
production, distribution

moltech

SPARE PARTS

DESIGN, PRODUCTION, REPAIRS



INDISPENSABLE CONVEYOR ROLLERS

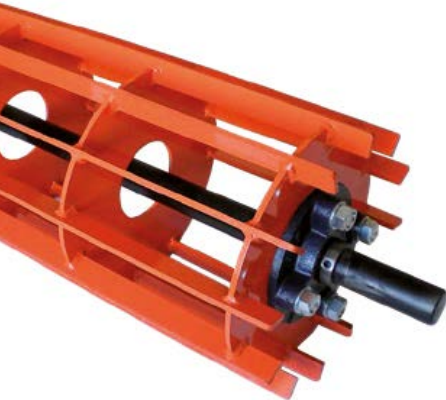
We design and produce STARKLINE® conveyor rollers. Our portfolio covers a variety of tube lengths (12-159mm) and loading weights (50N-10kN). Depending on specific factory demands we tailor the rollers to technical customer requests.



TOP QUALITY AND LONG LIFETIME

Our longlife heavy-duty rollers are fit to both belt-driven or ordinary gravity-system conveyor tracks such as for heavy-weight pallets or packed goods.

Upon demand we design and produce motorized drive and turning conveyor drums in many sizes up to 400mm diameter. Additionally we offer wheels, omni-wheels and roller racks at beneficial delivery conditions.



STARKLINE

TUBE MATERIAL

Surface treated

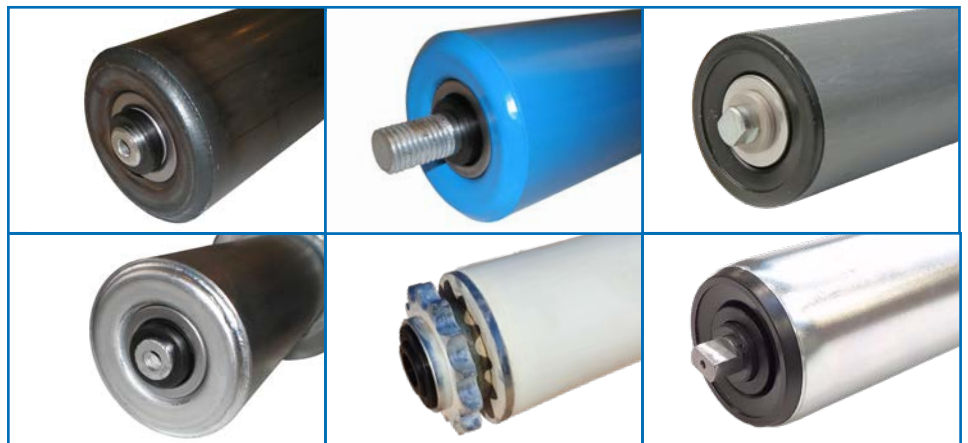
Painted

PVC

Grooved

PU coating

Stainless steel



SPARE PARTS

DESIGN, PRODUCTION, REPAIRS



We keep things moving! SUPPORTING ROLLERS IN BELT CONVEYOR TRACKS FOR HEAVY-DUTY INDUSTRIES

FAST AND FLEXIBLE SOLUTIONS FOR HEAVY-DUTY INDUSTRIAL CONVEYING. SHORT DELIVERY DEADLINES EVEN AT LARGER VOLUME ORDERS.

STRAIGHT FROM THE FACTORY AT FACTORY PRICES

Benefits:

- Fast production due to single machine run
- Cheaper prices than welded designs
- Environmental friendly production technology

Without Minimal Order Quantity we design, produce and assemble conveyor rollers in any technical execution including bearings, bearinghouses, sealings, tube material, special protection coating and/or shaft-end finishing.



OUR PORTFOLIO:

STARKLINE® ROLLERS

Ready-made rollers from stock

Heavy-duty rollers

Light-duty rollers

Driven heavy-duty rollers

Driven universal rollers

Universal rollers

Wheels, roller racks



SPARE PARTS

DESIGN, PRODUCTION, REPAIRS



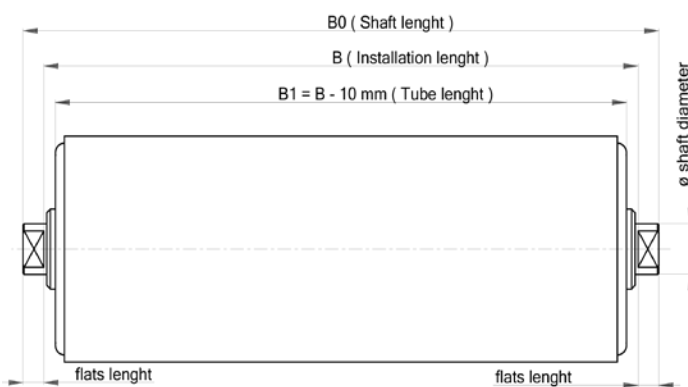
TECHNICAL DESCRIPTION

We produce longlife heavy-duty conveyor rollers in various executions: welded or assembled in steel tubes.

All executions are coming with type 6000 ballbearings and double labyrinth sealing. For gravity roller systems we also offer special (pallet) braking-rollers.

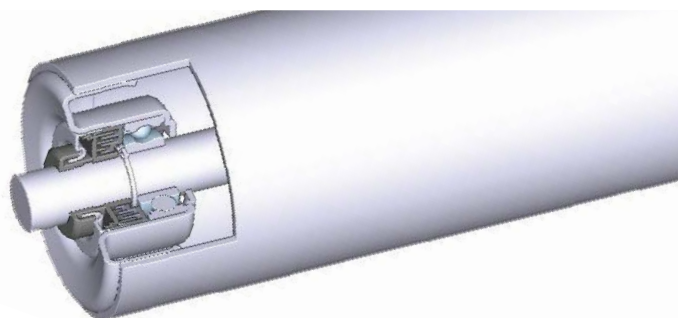


TYPE 43

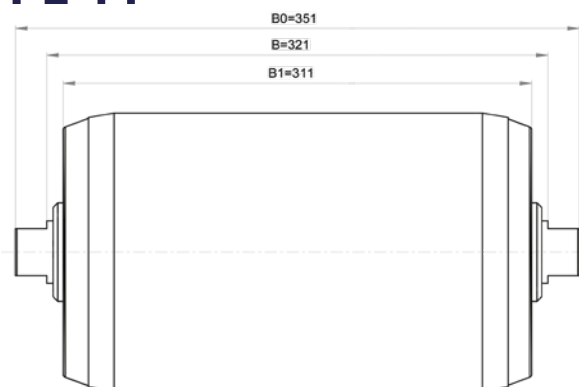


STARKLINE - ROLLER

Installation size: **B=92-2500 mm**
 Tube diameter (D*s): **D=63-159 mm**
 Tube length: **B1=82-2490 mm**
 Tube material: **Steel (thickness 2,5-4,5 mm)**
 Shaft diameter: **d=17-40 mm**
 Shaft length: **B0=91-2600 mm**
 Shaft material: **Steel**
 Shaft-end execution: **Flat - 15x15 mm**
 Bearing: **Welded steel bearinghouse + Labyrinth sealing**
 Max. loading capacity: **4000 N/roller (~390 kg)**

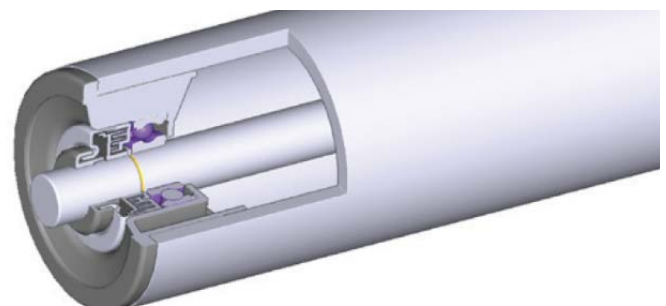


TYPE 44



STARKLINE - ROLLER

Installation size: **B=160-1500 mm**
 Tube diameter (D*s): **D=89x108 mm**
 Tube length: **B1=150-1490 mm**
 Tube material: **Steel, Galvanised (3-3,2 mm)**
 Shaft diameter: **d=20 mm**
 Shaft length: **B0=180-1520 mm**
 Shaft material: **Steel**
 Shaft-end execution: **Flat - 14x15 mm**
 Bearing: **Plastic pressed bearinghouse + Labyrinth sealing**
 Max. loading capacity: **3000 N/roller (~290 kg)**



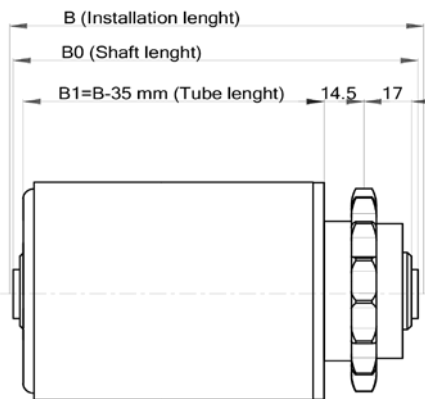


TECHNICAL DESCRIPTION

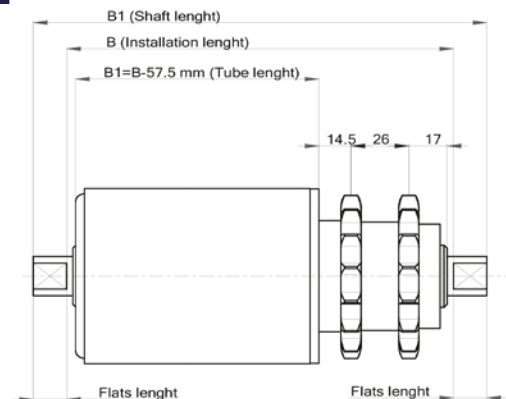


Robust welded design executed with ball bearings in steel bearinghouses and double labyrinth sealing. Optional Simmerring seal on driven end. Optional welded sprockets (single or double) on drive rollers placed in chain transmission-type industrial conveying systems.

TYPE 61



TYPE 62



THE FOLLOWING CONSTRUCTION ELEMENTS ARE PART OF OUR HEAVY-DUTY ROLLERS.

High loading capacity rollers for **gravity-type or driven conveyor systems.**

Welded steel bearinghouse executed with **type 6000 ballbearings.**

Labyrinth sealing **fitting dusty, dirty conditions.**

Standard welded steel drive roller for chain-driven system: **2x10B1 Z=15**

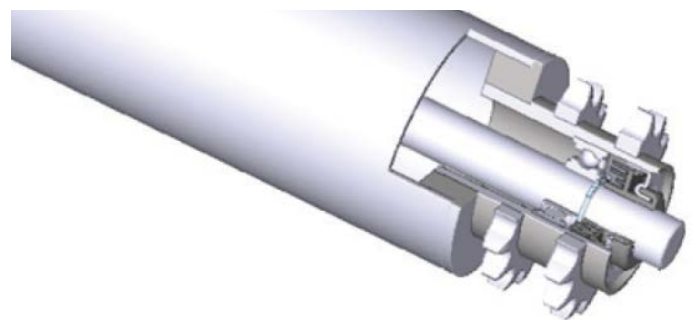
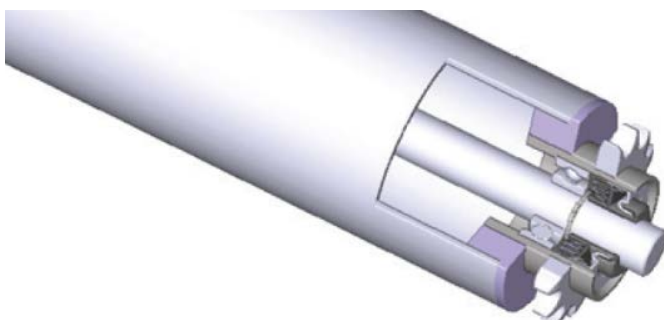
Optional welded steel sprockets for chain driven system: **08B1 Z=17; 10B1 Z=16; 12B1 Z=13 Z=14**

Suitable for challenging outside circumstances (**cold storage, agriculture or quarry-industry**)

Optional protective coating and tube treatment for **temperature range of 0-100 °C**

Max. loading capacity:
2000 N/roller (~480 kg)

Max. loading capacity:
4000 N/roller (~380 kg)



SPARE PARTS

DESIGN, PRODUCTION, REPAIRS



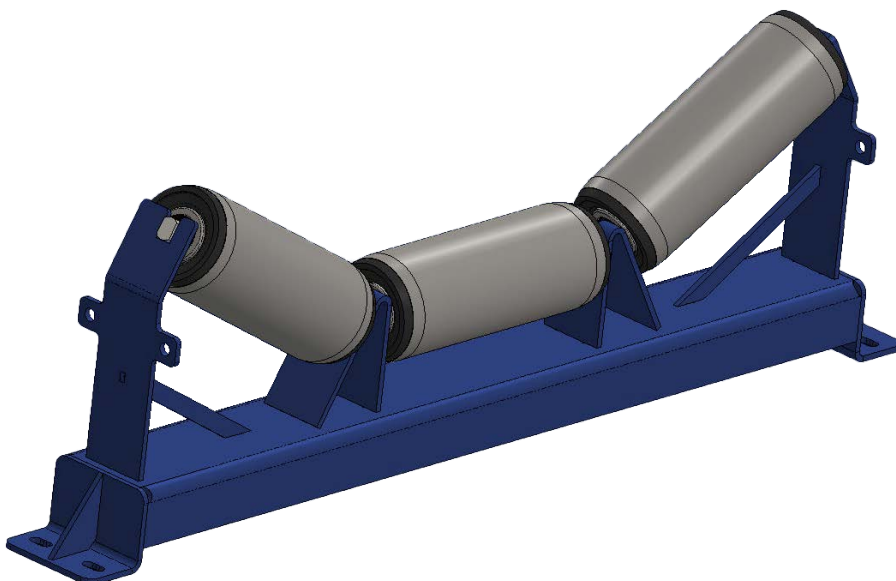
We keep things moving! ADDITIONAL OPTIONS



RUBBER RINGS have many lifetime benefits. They not only keep the running side of the conveyor belt **clean and protects** it from wearing-out but also protect the roller itself while conveying heavy loads.

TUBE RIMS that are pressed (or welded) into the tube. **For better guiding and directing conveyed products.**

MILLED GROOVES on the steel tube serve as **cooling ribs and provide easier conveying.**



FRAME FOR HEAVY-DUTY ROLLERS

89 mm diameter heavy-duty rollers with flat shafts (14 mm wide, 10 mm long) can be installed in this frame. Suitable for both our T43 or T44 type rollers:

400 mm -> T43 D089 B0160

500 mm -> T43 D089 B0200

650 mm -> T43 D089 B0250

800 mm -> T43 D089 B0315

1000 mm -> T43 D089 B0380

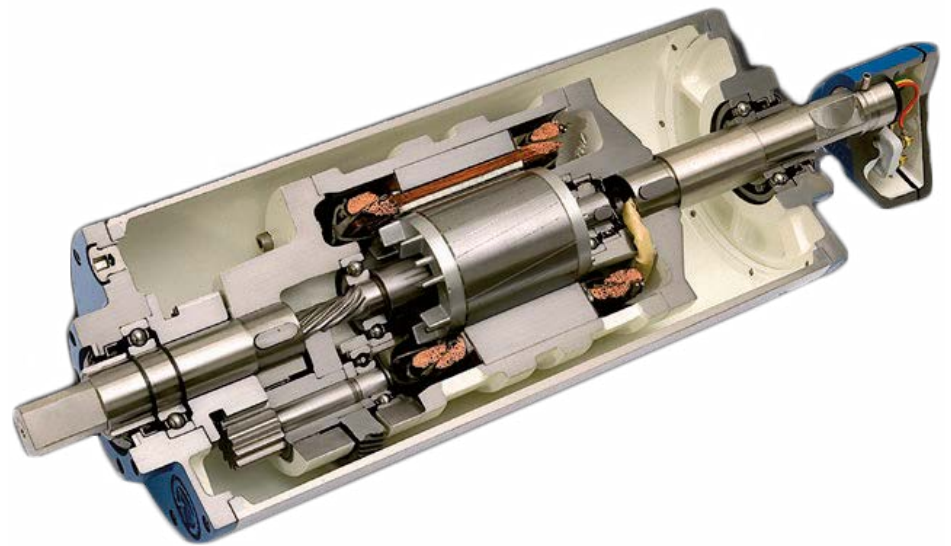
1200 mm -> T43 D089 B0465



VAN DER GRAAF **THE KING OF DRUMMOTORS**

For over 10 years we are the exclusive regional dealer and servicepoint of VDG drummotors in Hungary and for some neighbouring countries.

The VanderGraaf drummotor basically packs all driving technology inside the tube in a bath of transmission oil. It supplies electrical power to both ends of the shaft and the frequency converter allows for variable conveying speeds. The shafts are sealed with conventional Simmerrings and additional axial seals allow for even underwater operation.



The VDG drummotor portfolio has a diameter range from 80-620mm, a performance range of 0,05-60kW and a speed range of 0,007-5,3 m/s. The regular service-cycle is set at 50,000 working hours.

The 30% higher effective transmission performance vs. ordinary chain driven systems shows in machine running costs. Further benefit is provided by its easy installation which increases working safety.



We service VAN DER GRAAF DRUMMOTORS with original spare parts inside or outside the warranty period.



Our workshop also services drummotors from other makes outside of warranty period.

CONVEYING SYSTEMS

DESIGN, PRODUCTION, REPAIRS



WE HAVE THE KNOWLEDGE AND EXPERIENCE

OUR GOAL IS TO DELIVER CONVEYING SYSTEMS AND INSTALLATIONS THAT PROVIDE A LONG TERM SOLUTION FOR THE CUSTOMER.

Our conveyor systems are compliant with EU industrial safety guidelines and certified with CE declaration of conformity.

With our deep knowledge of industrial conveying we offer complete conveying systems and installations.

THE ON-SITE INSTALLATION PROCESS IS FOLLOWING A DISCIPLINED WORKPLAN BASED ON EXACT COMPUTER-MADE TECHNICAL DRAWINGS, AND OTHER TECHNICAL DOCUMENTATION.



Our team of colleagues works closely together with the customer to realize the best-fit solution within the required deadline and given installation conditions.

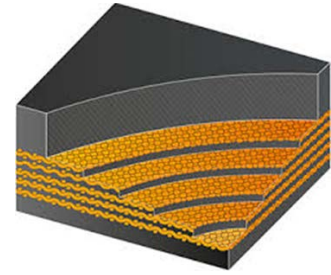


CONVEYING BELTS

PRODUCTION, DISTRIBUTION, REPAIRS



LEADING CONVEYING TECHNOLOGY



Professional installation and fastening of conveyor belts on the machine is fast and saves a lot of trouble. Our on-site installation team has **the tools and experience** to help our customers to efficiently fasten the belts on the track.

Flexco screw-hinge fasteners

- Belt thickness range of **6 mm - 16 mm**
- Loading weight range **33 kN/m - 52 kN/m**
- Drum diameter range **152 mm - 230 mm**

Flexco rivet-hinge fasteners

- Belt thickness range of **3 mm - 25,5 mm**
- Loading weight range **60 kN/m - 350 kN/m**
- Drum diameter range **127 mm - 1050 mm**



Rubber Drum cover

Covering the drive and turning drum with a rubber coating increases adhesion, prevents wear-out of the conveyor belt and improves overall running features of the belt. The choice of coating material and type of pattern depends on the conveyor application.



Rubber conveyor belts

We offer ready-made rubber conveyor belts. Through hot vulcanisation technology we can size fit and finish the belt and weld-on cleats and edges.

To increase the belt's conveying capacity we recommend to weld cleats and sidewalls on the belt.



MAINTENANCE

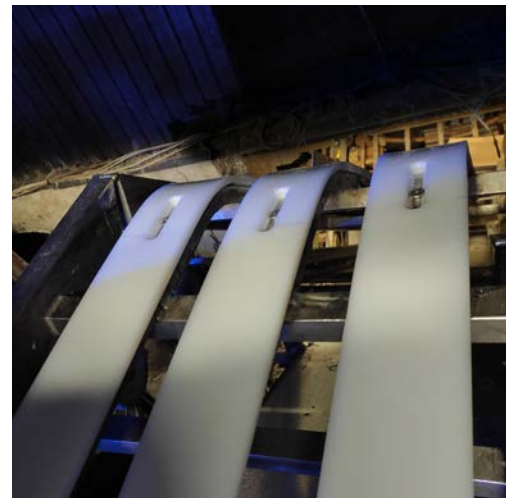
EVERY SINGLE WORKINGDAY



WE KEEP OUR CUSTOMER OUT OF TROUBLE

We keep things moving!

For the continuation of the production regular and preventive maintenance of machines and equipments is required. But even with most careful maintenance it can happen that production is jeopardized by machine malfunctioning. One of our core activities is the on-site maintenance of **conveyor equipment, belts and rollers** and to make sure they operate at all times. Our task is to repair any incidental failures as soon as they occur so that the production can continue without delay.



DISCOVERY OF A LITTLE FAILURE PREVENTS THE OCCURRENCE OF A BIGGER PROBLEM.



By regular treatment with **cleaning, smearing and repairing or renewing broken machine parts** we help to keep our customer's conveying equipment in the required condition.

We also help in cases when our customer needs to **technically transform the production line** for example by **shortening or lengthening the conveyor track**.



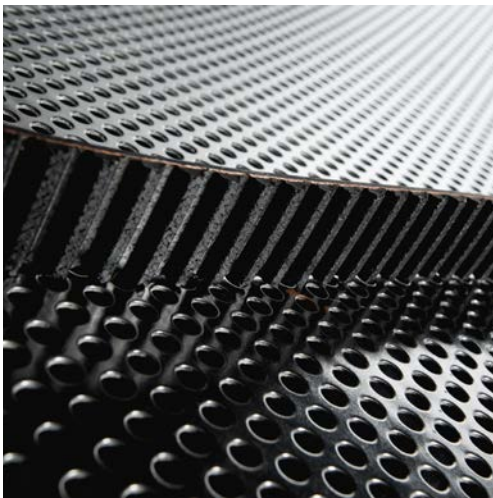
WE RECOMMEND OUR FREQUENT MAINTENANCE SERVICE ESPECIALLY IN NON-STOP CONVEYING OPERATIONS. WITH FREQUENT MAINTENANCE WE CAN PREVENT EMERGENCY STOPS OR TECHNICAL FAILURES.



WE KEEP THINGS MOVING!

STARKLINE® BELTS ARE MANUFACTURED WITH EXACT MEASUREMENTS AND AT VERY FAST DELIVERY.

Our truly endless belts come with a ISO 1813:2014(E) feature that provides a maximum of electrical resistance.



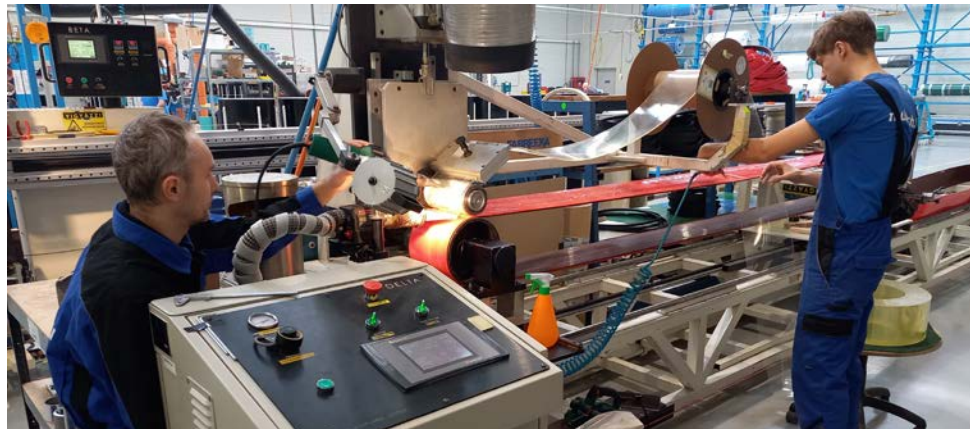
BECAUSE WE HAVE THE FASTEST AND MOST FLEXIBLE PRODUCTION TECHNOLOGY IN EUROPE WE ARE ABLE TO PRODUCE A PREMIUM QUALITY V-BELT WITHIN ONLY A FEW HOURS AND WE CAN TAKE ORDERS WITHOUT MINIMUM ORDER QUANTITY.

STARKLINE® belts CAM manufacturing ensures exact measurements. The belts are **resistant to chemicals, oil and water and show excellent transmission performance in low temperatures.**

The perfect fit to the pulley provides smooth and silent running features.

The base material of **STARKLINE®** belts is different from traditional vulcanized rubber.

TPR (THERMOPLASTIC RUBBER) is a newcomer in the belt industry and more and more popular because **it is environmental friendly and is produced at low cost of energy.**



OUR PORTFOLIO:

- STARKLINE® v-belts**
- STARKLINE® flat belts**
- STARKLINE® hexagonal belts**
- STARKLINE® poly v-belts**
- STARKLINE® haul-off belts**
- STARKLINE® wood processing belts**
- STARKLINE® coated belts**
- STARKLINE® special belts**



SUPPORTING EFFECTIVE PRODUCTION WITH INTEGRATED INDUSTRIAL SOLUTIONS



SPARE PARTS

rollers made of steel/plastic, optional coating, non driven/ driven, omniwheels, ball wheels, roller racks, drum motors



CONVEYING SYSTEMS

design, production and installation of roller and belt tracks



CONVEYING BELTS

variety of base material pvc, pu, pte, silicon, rubber or steel - with welded cleats, edges or guides



MAINTENANCE

frequent or occasional 24/7/365 service at our workshop or on-site



TRANSMISSION BELTS

cogged, poly-V, hexagonal, flat, coated, variator, powerbelts, pulling and round belts

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