CONVEYOR TECHNOLOGY
PRODUCT CATALOG

HOSCH





WHEN EXPERIENCE MEETS INNOVATIVE SPIRIT ...

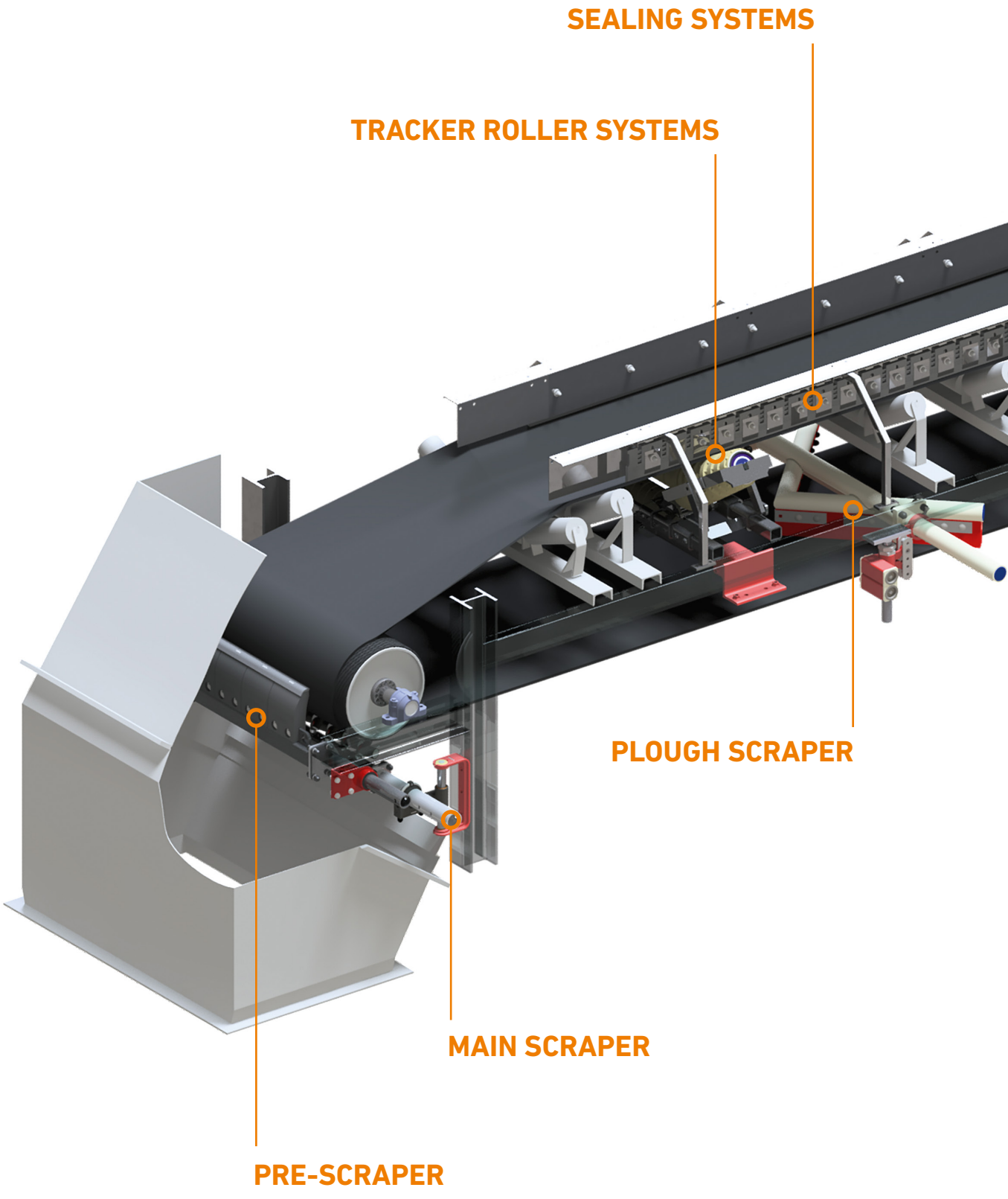
Based on our many years of experience optimising conveyor belt systems, we can offer you individual solutions from our wide range of products.

Due to our worldwide presence, it is always possible for us to send you a specialist for problem analysis, as well as to guarantee l ong-term service and advice. In doing so, we draw on a global experience network of our employees that has grown over decades.

Especially under extreme conditions such as high conveyor belt speeds, wide conveyor belts and abrasive bulk materials, you will benefit from the proven, developed **HOSCH** technology. Of course, we flexibly cover any belt width and speed with our products. Each plant represents an individual challenge, which we are happy to meet. In many cases, this results in a long-term partnership with the customer.

We are globally recognised specialists in the industry and are constantly developing towards the future through our employees and products. In doing so, we are continually setting ourselves new goals. For example, with **HOSCH**iris, we are creating new possibilities for you in the field of conveyor belt monitoring and data analysis.




SEALING SYSTEMS
TRACKER ROLLER SYSTEMS
PLOUGH SCRAPER
MAIN SCRAPER
PRE-SCRAPER

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THE HOSCH DIFFERENCE.

Permanent contact of the scraper edge to the conveyor belt, long service life due to the selection of the best materials, and research & development work at the highest level. The functionality of **HOSCH** products has many faces. The flexible **HOSCH** modular system allows a variety of individual solutions tailored to your plant.

Consultations, installations and maintenance are carried out by the experienced **HOSCH** Customer & Service Team. In this way, we guarantee you maximum performance over a long period of time.

We offer you this "ALL-ROUND CAREFREE PACKAGE" worldwide.

We are not afraid of any comparison. For this reason, we have developed our own comparative measurement, with which we can measure the performance of different cleaning systems together with you. The so-called carryback measurement has become the industry standard. You don't just see which savings opportunities are available to you on paper but directly on the system at the relevant conveyor belt. Do not hesitate to compare us with other suppliers. Contact us and convince yourself of the **HOSCH** difference.

Please visit our website
www.hosch-international.com
and discover more about us.



A **HOSCH** employee is always near you.
Get in contact with us, and we will come to you - no matter where you are.

OUR SERVICES FOR YOU:

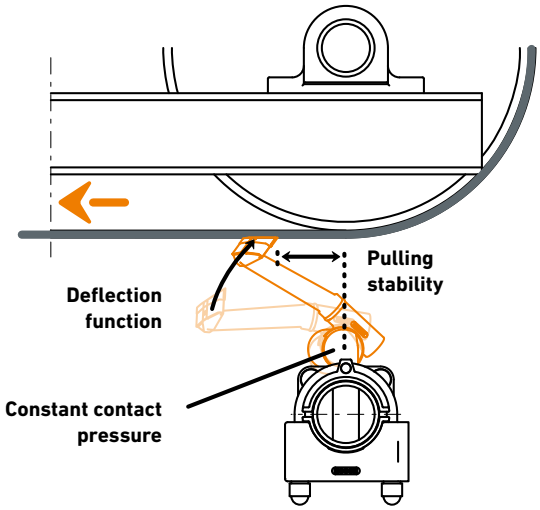
- Technical analysis of your belt conveyor systems
- Selection of suitable belt cleaning, belt tracker systems, etc.
- CAD-supported installation planning
- Installation, commissioning and maintenance of **HOSCH** systems
- Assist in the operation of your equipment by maintaining belt schedules and maintenance statistics
- Spare and wear parts management
- Development of cost-saving potentials
- Measurements and business analysis by utilizing carryback measurement

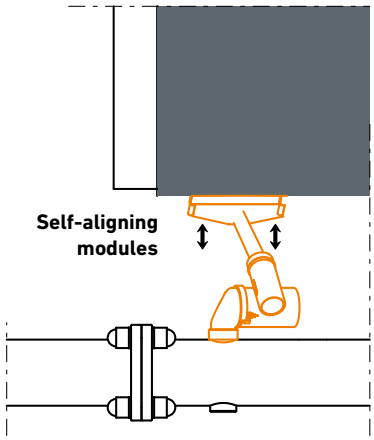
WHAT MAKES HOSCH TECHNOLOGY SO EFFICIENT?

SPRING AND DAMPING SYSTEM

An essential criteria for the efficient cleaning of conveyor belts is permanent contact between the scraper edge and the conveyor belt. We can ensure this with the **HOSCH** spring and damping system even under very rough and dynamic conditions. The combination of damping systems and pulling stability supports the low-vibration running behaviour of the scraper.

The **HOSCH** spring & damping system and the pulling stability guarantee:
- Steady & long-lasting belt contact of the scraper edge
- A flexible evasion in case of interfering edges (e.g. mechanical connectors)
- The maintenance of constant contact pressure with continuous wear
- The smooth running of the scraper



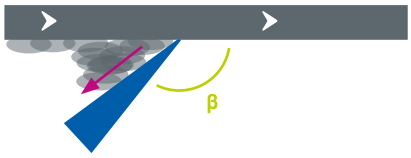


ADAPTATION TO THE BELT SURFACE

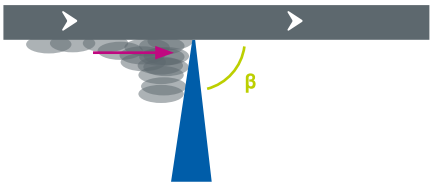
Due to individual height adjustment, pre-tensioning as well as three-dimensional, independent alignment, the modules ideally adapt to the belt contour. This innovative belt adaptability of the **HOSCH** scrapers is an elementary component of cleaning efficiency.

PAINT SCRAPER PRINCIPLE

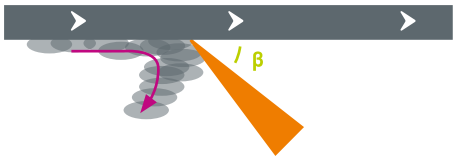
Around the scraper, three distinguishable geometric arrangements of the cleaning elements have emerged through different approaches. In the following, we explain the different positions and why **HOSCH** has specialised in the paint scraper principle.



Dragging arrangement
- Insufficient cleaning efficiency due to pocket formation and increased material jam.
- Increasing belt load due to the strong contact pressure required



Bar principle, 90° to the belt
- Moderate cleaning efficiency but still higher contact pressure needed to ensure belt contact



Paint scraper principle
- Highest possible cleaning efficiency
- Optimal drainage of the material
- Low contact pressure between scraper edge and belt
- Minimum belt strain

OVERLAPPING ARRANGEMENT OF THE SCRAPER MODULES

Since **HOSCH** can often do without a pre-scraper due to its very high cleaning efficiency, an overlapping arrangement of the module rows avoids material pull-through between the individual scraper segments.

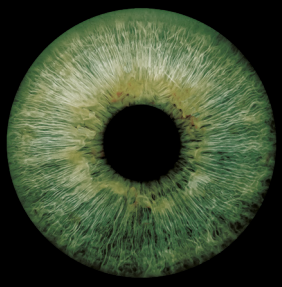
MODULAR PRINCIPLE

We meet the complex requirements of your plant with a high degree of flexibility without having to make extensive changes. Solutions for special features such as increased vibrations, extraordinary abrasiveness or mechanical connections are made possible by our modular system.

KEEP IT RUNNING
HOSCHiris

Start into the future with us, „iris“ stands for „intelligent responsive information system“.
With the digital solutions you can keep an eye on your systems and gain new insights. In line with the 360° approach, **HOSCH**iris connects devices, users, technicians and **HOSCH** engineers. Central data is exchanged and made available digitally. **HOSCH**iris is your entry into digital monitoring. Problems are identified at an early stage and the risk of downtimes is minimized. Maintenance, operations and spare parts management can be planned more easily. Last but not least, **HOSCH**iris makes a contribution to occupational safety, since a well-maintained system and problems with the conveyor belt that are recognized early reduce safety risks

HOSCH iris DATA

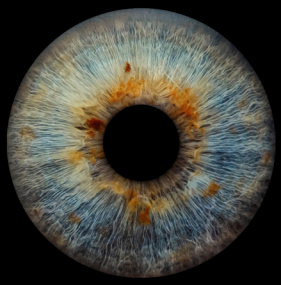




Device and service data management

Captures relevant information and provides access to advanced digital solutions. Increases transparency and work safety.

HOSCH iris DETECT

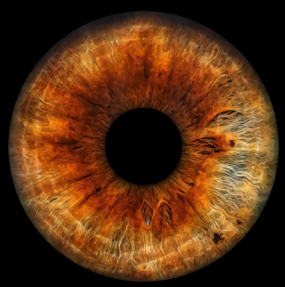




Battery powered belt-incident detector

Measures and reports belt damage in case defined limit value is exceeded. Enables higher asset availability and reduces personnel costs.

HOSCH iris DISCOVER

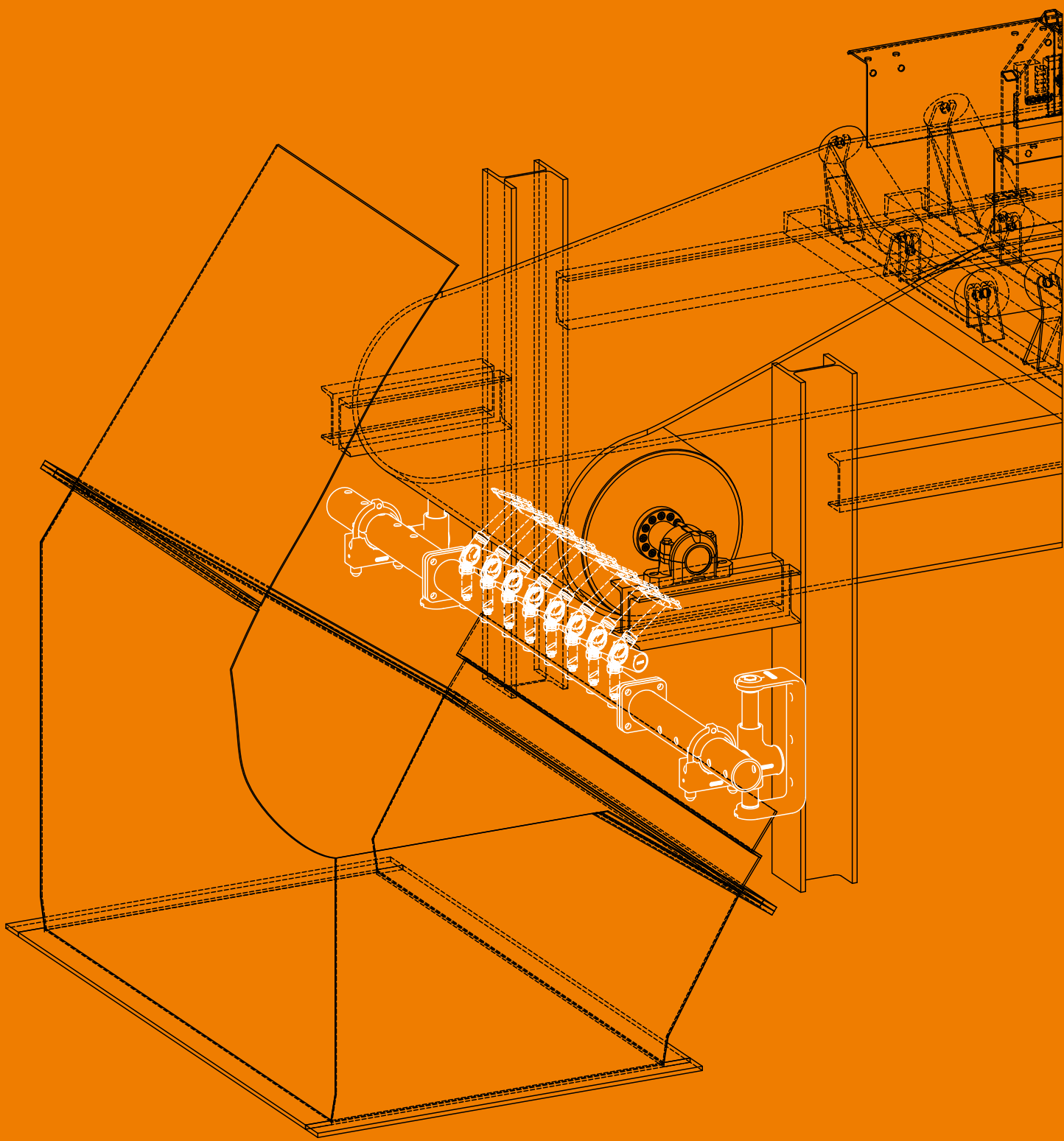




Continuous belt monitoring and data visualisation

Seamless belt monitoring and individual warning system with belt-specific, processed live-data. For increased asset availability and continuous production.

www.hosch-international.com/hosch-iris



MAIN SCRAPER

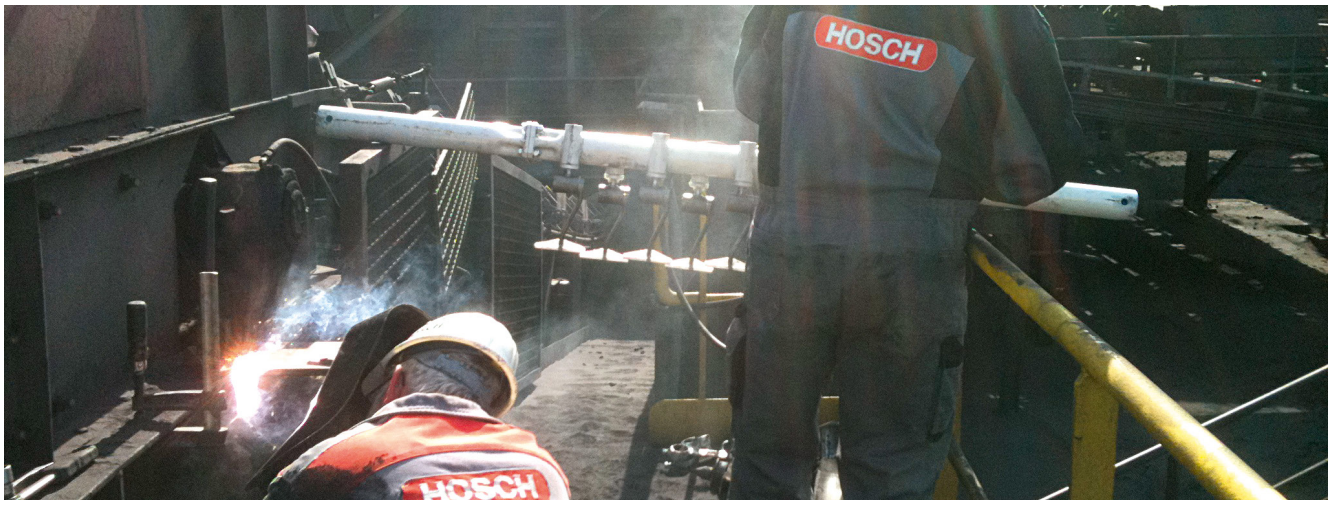
It is customary in the market to install several scrapers, but one optimally matched main scraper from **HOSCH** is usually sufficient to achieve maximum cleaning results. This not only saves investment costs, but also minimises the installation & maintenance effort. Using of only one highly efficient main scraper replacing two or three conventional scrapers also minimises the necessary modifications to the transfer.

The highest productivity with low manpower is an absolute must for conveyor operators worldwide in today's world.

In extreme applications, an additional pre-scraper can be used to relieve the load. However, this is usually not required due to the unique performance of **HOSCH** main scrapers. Our primary goal is to provide you with a perfect result with the minimum amount of equipment. A **HOSCH** main scraper will exceed your expectations.

YOUR ADVANTAGES

- Significantly reduce cleaning and operating costs
- Increase your plant availability by:
  - Shortened installation and maintenance times due to extremely simple and innovative handling.
  - Fewer maintenance intervals due to exceptionally long component service life.
- Acquire a maximum flexible product that meets the most challenging requirements
- Use a wide range of optional accessories to compensate for any special features caused by the analogue system
- Use a wide range of individualised special components to solve your problems, such as: Extreme abrasion, chemical influences or special dynamic effects.



MAIN SCRAPER
TYPE A1

Ingeniously easy

We listened to our customers and put their wishes into practice: scrapers should be installed quickly and easily, perform immediately while being reliable and safe. The type A1 scraper is the answer to these wishes. Its innovative, well-thought-out design shortens the maintenance effort decisively.

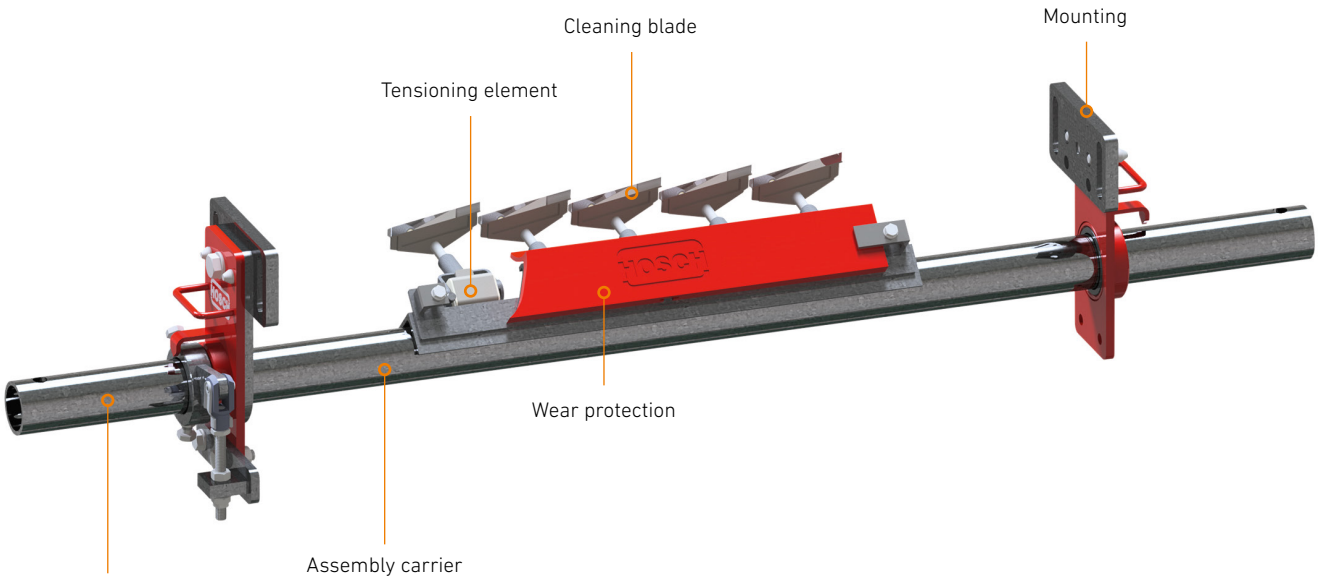
The A1 scraper uses a new patented solution for changing the wear parts of the scraper. We call it PLUG & SCRAPE. The "plug & scrape" module change means: Push in, turn, snap in - done. No great effort, no tool, maximum reliability. The midsection can be pushed out of the side, and even the tension/angle setup is saved after the first install and does not need to be calibrated again.

The type A1 delivers the proven **HOSCH** principles, like vibration damping tensioning system, belt contouring, overlapping blades, and high-quality materials throughout, combined with an excellent price-performance ratio for standard applications.

TECHNICAL DATA

Data/Type	A1
Belt width (mm)	500 – 1,200
Belt speed	≤ 3,5 m/s
Conveyor Belt	For smooth fabric and steel cord belts with vulcanised splices and mechanical connections after consultation with HOSCH
Reversing mode	No
Runback	No
Installation position	in the lower belt area
Cleaning modules	spring-loaded, carbide-tipped individual modules with individual evasion function
Construction	Modular construction

MAIN SCRAPER
TYPE A1



PLUG & SCRAPE

Tool free module change



SPECIAL FEATURES

- Tool-free patented module change with Plug & Scrape
- Fast dere-installation of system carrier (patent application)
- Overlapping modules for gapless cleaning
- Suited to smaller belts
- No tensioning is required during the complete lifespan of modules

OPTIONS

OPTIONAL MOUNTING AID

The mounting aid makes it easier to pull out the scraper from the side for maintenance or testing, eliminating the need to step into the chute.









MAIN SCRAPER
D-SERIES

With the D-Series, **HOSCH** has taken up the challenge of making innovative products even more user-friendly. All the practical experience gained in collaboration with **HOSCH**'s own research and development department has gone into the realisation of the D-series.

With its numerous innovations, the D series shows its strengths not only in its very high cleaning performance, but also in the area of manageability. For many of our customers, using a scraper that is easy to operate but still meets the highest demands is important.

With the D-Series, **HOSCH** once again points the way to the future as a technological industry leader.

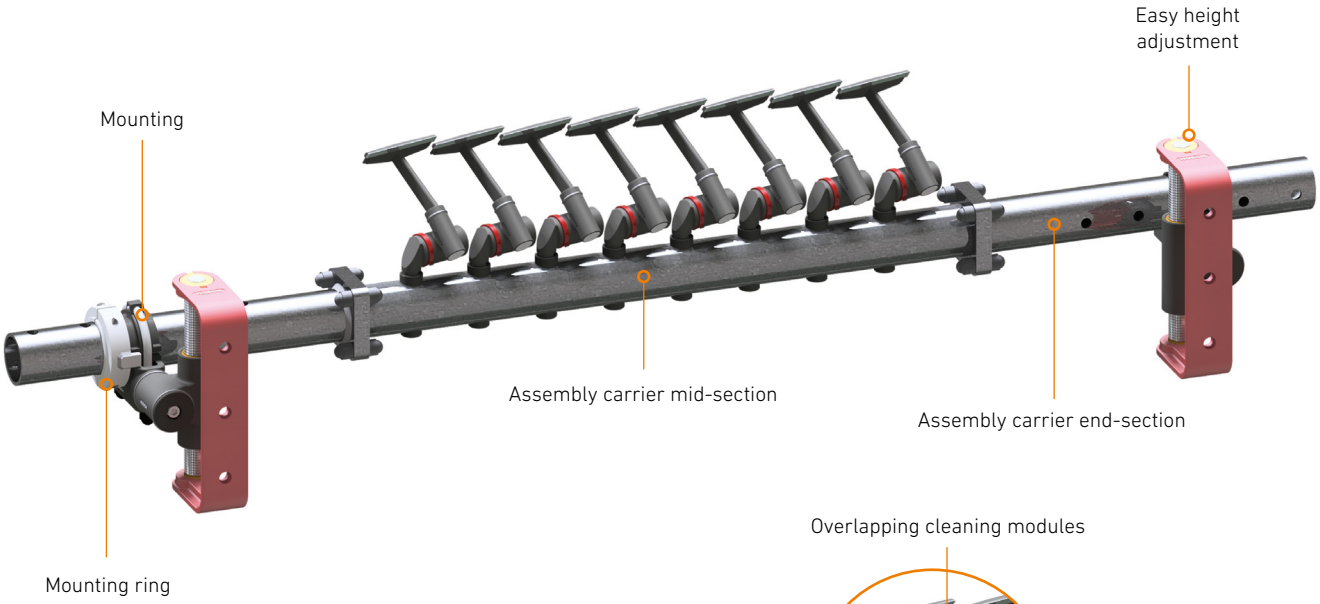
- The simple and self-explanatory handling
- Ensuring permanent belt contact due to increased absorption capacity of dynamic forces
- The improved material flow between the scraper modules and the resulting lower material build-up, enables trouble-free operation.
- Significant reduction of installation and maintenance effort, as all settings can be made outside the chute.
- Long component service life
- Fewer wearing parts and maintenance intervals

We proudly present the result: Get to know the D-Series with its technical data, special features and optional accessories.

TECHNICAL DATA

Data/Type	D2	D3
Belt width	500 – 1.600	1.400 – 2.000
Belt speed	≤ 4,5 m/s	≤ 5,5 m/s
Conveyor belt	For smooth fabric and steel cord belts with vulcanised splices	
Reversing mode	Yes, in a special version (see optional accessories)	
Runback	Yes, in a special version (see optional accessories)	
Installation position	In the lower belt area	
Cleaning modules	Spring-loaded, separately adjustable, carbide-tipped modules with evasive function	
Design	Modular design, can be flexibly adapted to the installation situation (see optional accessories)	

D-SERIES
TYPE D2





SPECIAL FEATURES

- Uniform cleaning performance over the entire belt width due to a defined pretensioning of the modules.
- The high pulling stability guarantees smooth running and avoids material buildup on the system support.
- Using the adjustment scale, each module is provided with the correct pretension and adapted to the belt contour.
- Accelerated maintenance process due to reproducible adjustment of the scraper by means of the optional adjustment ring.
- The single-row, overlapping arrangement of the modules enables gap-free cleaning and simplifies installation.
- Wear limit control through fixed end position guarantees maximum safety for your conveyor belt.

OPTIONS

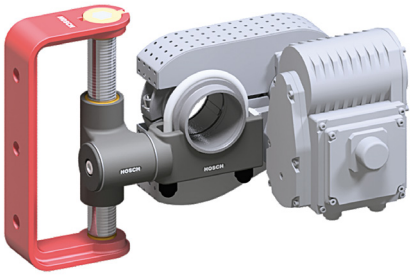
VERSION WITH RUNBACK ADAPTER RA-D2/RA-D3

In the case of system-related runback (shuttle belt, rising conveyor belts, etc.), it is possible to use a **HOSCH** runback adapter. (For further information, see scraper accessories).



VERSION WITH DISENGAGING DEVICE ASV

With an electronic disengaging device (ASV-D-E), the scraper type D can also be used in reversing operation. (For further information, see scraper accessories).

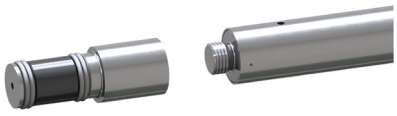


USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES

In hazardous areas, each scraper is equipped with an ATEX version to dissipate electrostatic charges. (For more information, see Scraper Accessories).

OPTIONAL MOUNTING AID

The mounting aid makes it easier to pull out the scraper from the side for maintenance or testing, eliminating the need to step into the chute.



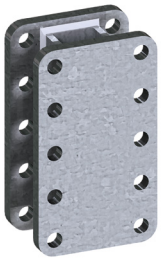
OPTIONAL COVER PLATES

Mounting window covers can be supplied on request to prevent fine-grained bulk materials from escaping from the mounting windows.



VERSION WITH OFFSETS

With the help of offsets, obstacles in the belt construction can be bypassed, so nothing stands in the way of optimal installation.



VERSION FOR MECHANICAL BELT CONNECTIONS

HOSCH type D scrapers can be equipped with K-modules to ensure safety and cleaning performance even with mechanical belt splices or poor conveyor belt surfaces.



HEATED VERSION

The scraper can also be used at low operating temperatures with the option of a special heater. (For further information, see scraper accessories).



MAIN SCRAPER
C-SERIES

With the development of the C-series in the early 90s, **HOSCH** set new standards in the field of scraper technology. Over the years, the product family has been expanded and optimised according to customer requirements. Today, the C-Series offers you the highest possible flexibility in terms of installation position and cleaning performance typical of **HOSCH**. From narrow conveyor belts in sand and gravel plants to wide and fast conveyor belts in open pit mining, C-Series scrapers can be used in all areas. Numerous optional accessories and combination possibilities make a C-Series scraper a versatile and practical tool for cleaning your conveyor belts.

In addition to the different designs of the individual C-types, they all have the following special features:

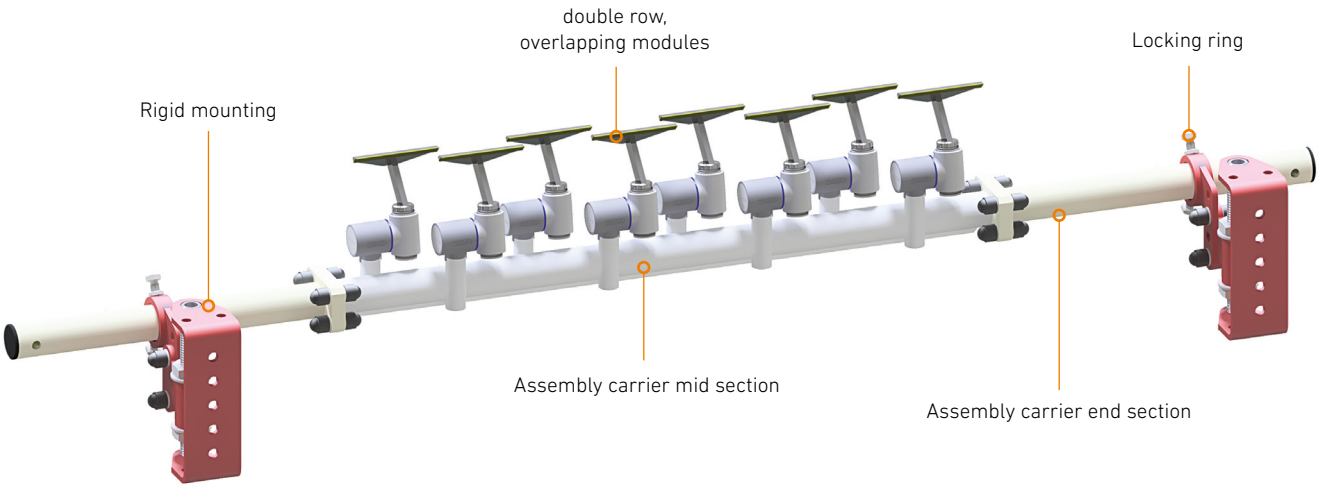
- Double-row module arrangement for gapless belt cleaning
- Evasive function of the modules in case of a collision with interfering edges as well as immediate return to the conveyor belt.
- Adaptation to belt contour by self-adjusting & damping modules.
- The **HOSCH** automatic adjustment system ensures that the scraper edges are always in full contact with the belt surface.

A scraper that is adaptable and gives you the cleaning performance you want.

TECHNICAL DATA

Data/Type	C1®/C1®V	C2	C3	C4	CT
Belt width	300 – 1.000	600 – 2.000	1.400 – 3.200	1.400 – 3.200	600 – 2.000
Belt speed	≤ 2,5 m/s	≤ 4,5 m/s	≤ 7,5 m/s	≤ 7,5 m/s	≤ 3,5 m/s
Conveyor belt	For smooth fabric or steel cord belts with vulcanised splices				
Reversing mode	Yes, in a special version (see optional accessories)				
Runback	Yes, in a special version (see optional accessories)				
Installation position	In the lower belt area as well as on the drum	In the lower belt area			At the head drum
Cleaning modules	Spring-loaded, separately adjustable, carbide-tipped modules with evasive function				
Design	Modular design, can be flexibly adapted to the installation situation (see optional accessories)				

C-SERIES
TYPE C1®/C1®V



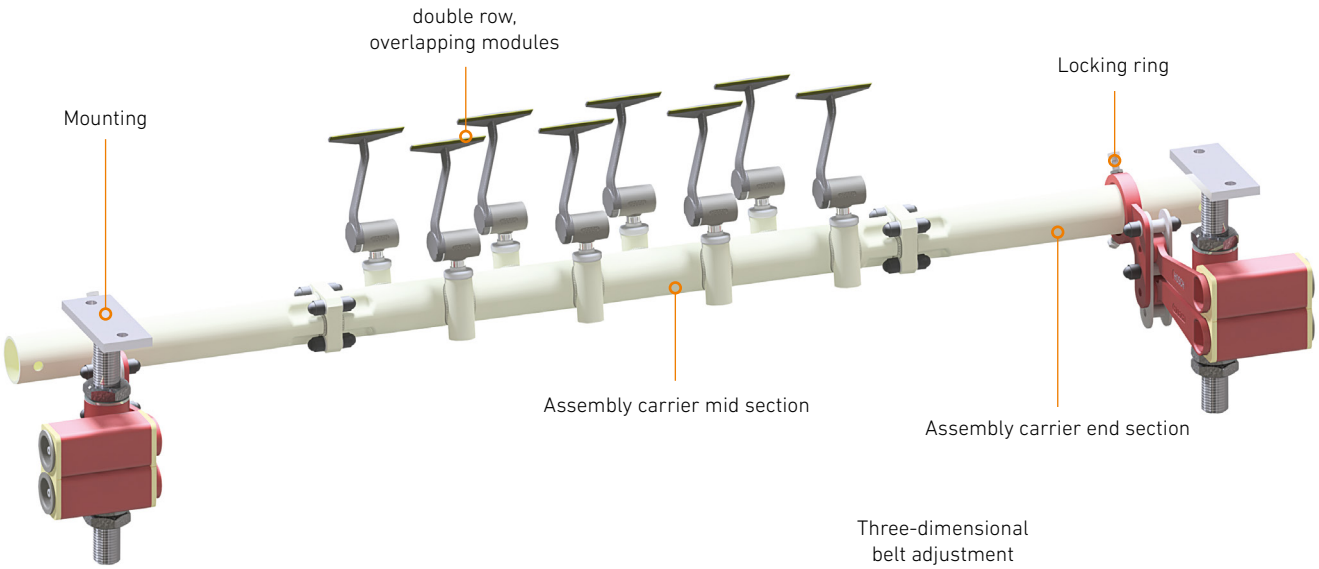
Separate structure of modules



SPECIAL FEATURES

- Designed for all belts in the range from 300 to 1000 mm.
- Low profile space requirement for the installation area thanks to its compact design.
- Both the C1 and C1-V can be mounted in the lower belt area and on the drum.
- Optional rigid or spring mounting.
- Two-part design of the module wear components guarantee reduced spare parts costs.

C-SERIES
TYPE C2/C3

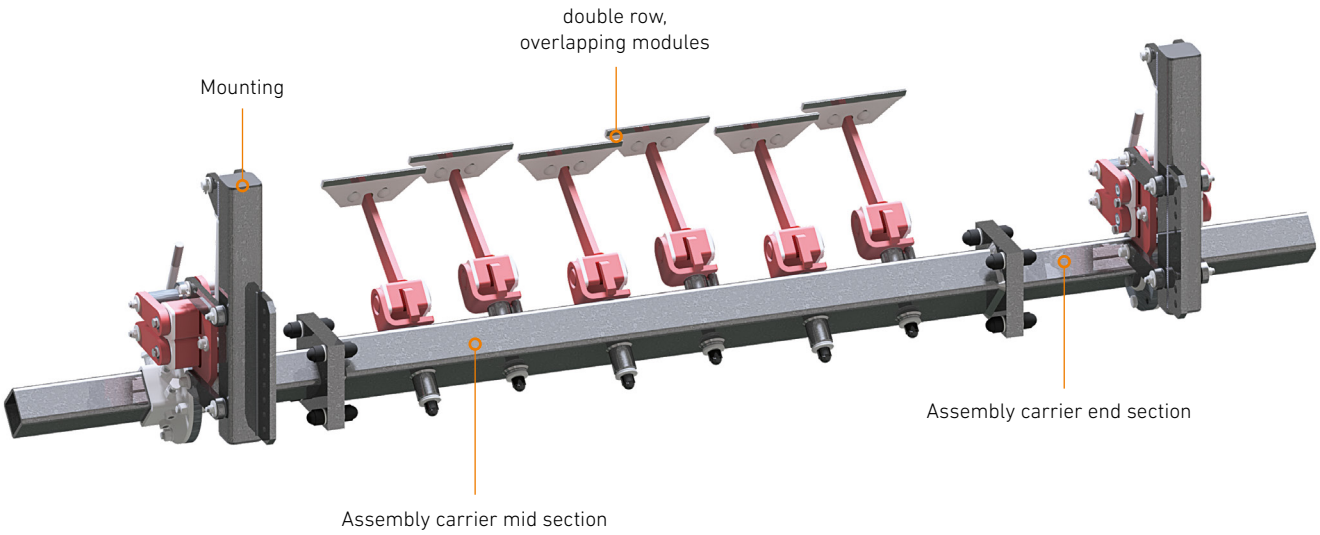


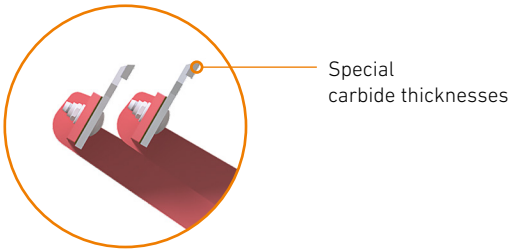


SPECIAL FEATURES

- Designed for conveyor belts in the range from 600 to 3200 mm.
- Can also be used at extreme belt speeds.
- Reliable material flow prevents material jams even at high speeds.
- Absorption of all dynamic forces by the module ensure constant belt contact
- Three-dimensional adaptation of the modules to the belt surface.

C-SERIES
TYPE C4

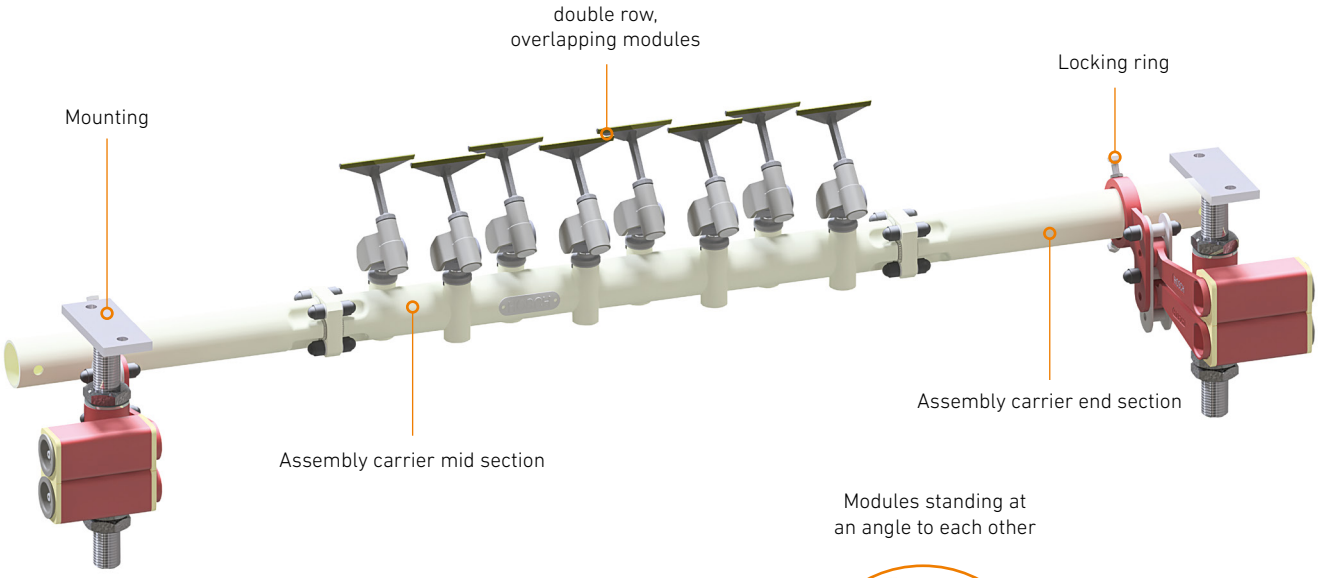




SPECIAL FEATURES

- Very robust scraper, suitable for use on wide belt conveyors with high belt speeds & conveying volumes.
- Special designs available for applications with medium belt widths.
- The extended pulling stability of the modules guarantees the necessary smooth running operation, even with high-speed conveyor belts.
- Special carbide thicknesses to counteract the higher wear speeds caused by the equipment.
- Heavy duty design of the spring modules compensate for the strong vibration & belt forces.
- Sophisticated pretensioning mechanism makes the heavy-duty design user-friendly.

C-SERIES
TYPE CT



Modules standing at
an angle to each other



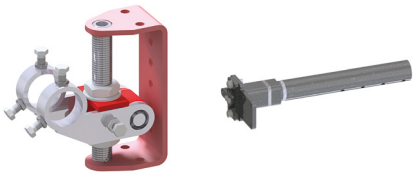
SPECIAL FEATURES

- Main scraper for use on the drum with the cleaning performance typical of **HOSCH**.
- Used as a powerful pre-scraper or sole main scraper in tight chutes.
- The modules of the CT are designed to withstand the increased dynamic loads on the drum.
- The angular arrangement of the two rows of modules relative to each other enables optimum adaptation to the drum.

OPTIONS

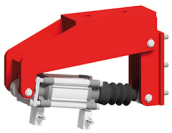
VERSION WITH RUNBACK MOUNTING (RV1) / RUNBACK ADAPTER (RAX)

In the case of runback caused by the plant (loop car, rising conveyor belts, etc.), it is possible to use a runback mounting or a runback adapter. (For further information, see scraper accessories)



VERSION WITH DISENGAGING DEVICE ASV

With a disengaging device (ASV), **HOSCH** scrapers can also be used in reversing operations. This can be done electrically, electro-pneumatically or electro-hydraulically. (For further information, see scraper accessories).



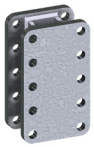
USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES

In hazardous areas, each scraper is equipped with an ATEX version to dissipate electrostatic charges. (For more information, see scraper accessories).



VERSION WITH OFFSETS

With the help of offsets, obstacles in the belt construction can be bypassed, so nothing stands in the way of optimal installation.



DESIGN FOR MECHANICAL BELT CONNECTIONS

Almost all C-models can be equipped with K-modules to ensure safety and cleaning performance even with mechanical belt splices or poor conveyor belt surfaces.



VERSION WITH SPINDLE SUPPORT

In case of increased vibrations and larger belt widths, the **HOSCH** scrapers are equipped with additional spindle support.



CHEMICALLY RESISTANT (CR) VERSION

The CR version of **HOSCH** scrapers is used in areas that contain chemically corrosive components in the conveyed material due to the process. The use of special materials significantly improves the life cycle and performance of the scraper.



HEATED VERSION

With the option of a special heater, scraper types C2 and C3L can also be used at low operating temperatures. (For further information, see Scraper accessories).



MAIN SCRAPER
B-SERIES

As early as 1986, the still young company achieved a worldwide breakthrough in scraper technology with the B6 scraper.

The B series is the most proven product line in our range and has been continuously developed further. With its robust and compact design as well as flexible application possibilities, it is valued as a reliable all-rounder.

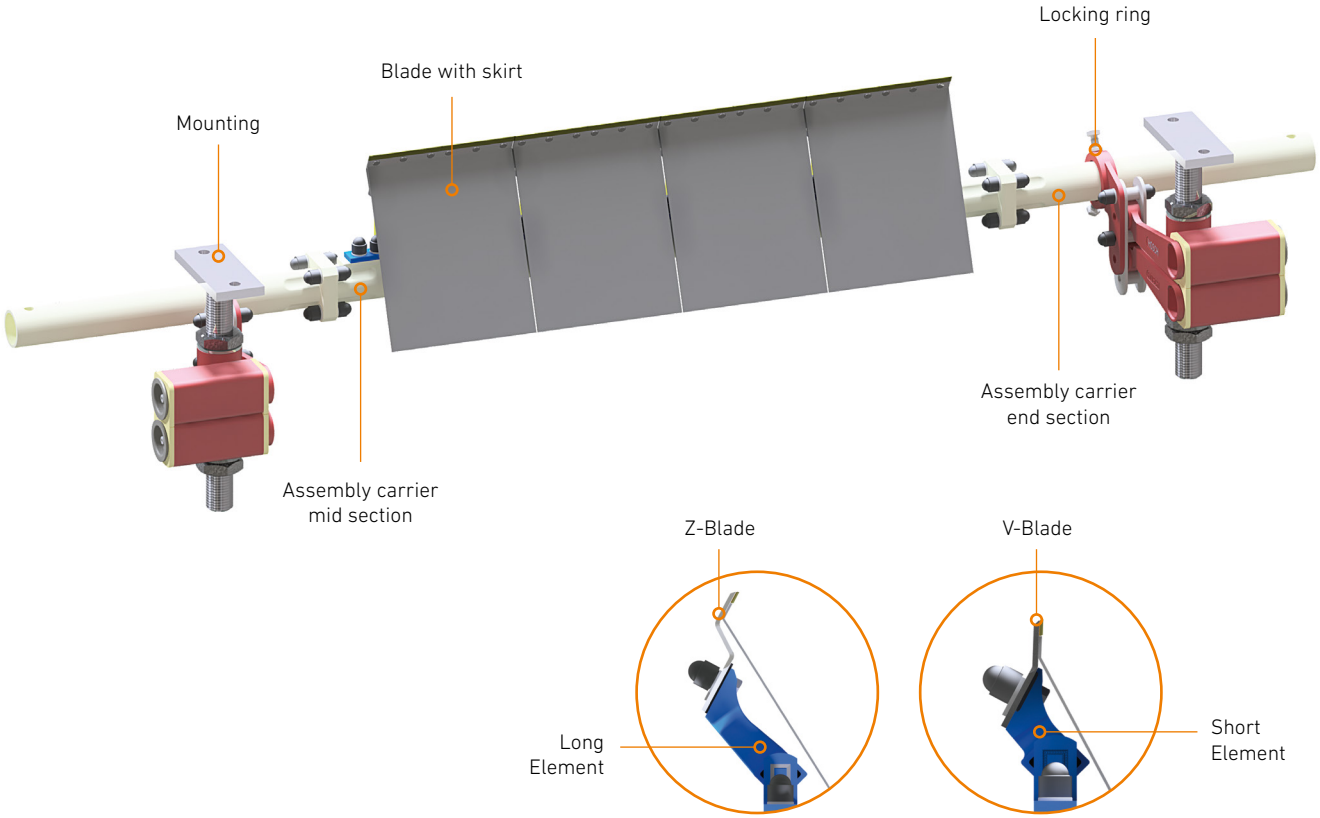
Similar to the concept of the C-Series, it acquires a variety of configurations by means of its modular system. Various blade and element combinations allow for precise adaptation to your installation. From low-cost and simple variants to special designs, the B series covers all requirements.

See for yourself the best-selling scraper in the **HOSCH** offer.

TECHNICAL DATA

Data/Type	B6L-C	B6-C
Belt width	400 – 800	650 – 3.200
Belt speed	≤ 3,0 m/s	≤ 6,0 m/s
Conveyor belt	For smooth fabric or steel cord belts with vulcanised splices	
Reversing mode	Yes, in a special version (see optional accessories)	
Runback	Yes, in a special version (see optional accessories)	
Installation position	In the lower belt area and on the drum	
Cleaning lamella	Spring-loaded, carbide-tipped individual lamellae with individual evasive function	
Design	Modular design can be flexibly adapted to the installation situation (see optional accessories)	

B-SERIES
TYPE B6L-C/B6-C



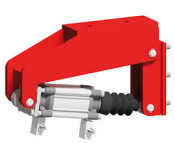
SPECIAL FEATURES

- Different scraper blades ensure versatile application possibilities in all areas. (see optional accessories)
- Skirts mounted on the blades deflect the material forward and feed it into the material flow. This is particularly advantageous in tight transfer situations.
- Also possible as OEM configuration
- Variable adjustability
- Automatic self-adjustment
- Compact design for low space requirements
- After consultation with **HOSCH**, also available in special sizes and individual designs

OPTIONS

VERSION WITH ASV DISENGAGING DEVICE OR REVERSING ADAPTER (RE-AX)

With a disengaging device (ASV), **HOSCH** B-series scrapers can also be used in reversing operation. This can be done electrically, electro-pneumatically or electro-hydraulically. In the case of runback or low reversing cycles, reversing adapters (RE-Ax) can also be used after consultation with **HOSCH**. (For further information, see scraper accessories).



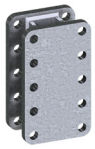


USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES

In hazardous areas, each scraper is equipped with an ATEX version to dissipate electrostatic charges.
(For more information, see Scraper Accessories).

VERSION WITH OFFSETS

With the help of offsets, obstacles in the belt construction can be bypassed, so nothing stands in the way of optimal installation.



VERSION FOR MECHANICAL BELT CONNECTIONS

In a selected configuration, the B-Series scrapers can ensure safety and cleaning performance even with mechanical belt splices or poor conveyor belt surfaces.
(Please consult **HOSCH** for this).



VERSION WITH SPINDLE SUPPORT

In case of increased vibrations and larger belt widths, the **HOSCH** scrapers are equipped with additional spindle support.



HEATED VERSION

The scraper can also be used at low operating temperatures with the option of a special heater (For further information, see scraper accessories).

B6-R-VERSION

The Rectractable **HOSCH** scraper has been specifically designed to maintain the equipment without long downtimes outside the chute. This allows a new dimension of maintenance speed with minimal effort. (See scraper accessories for more information).

CHEMICALLY RESISTANT (CR) VERSION

The CR version of **HOSCH** scrapers is used in areas that contain chemically corrosive components in the conveyed material due to the process. The use of special materials significantly improves the life cycle and performance of the scraper.



CONTINUOUS ASSEMBLY CARRIER

In addition to the standard variant with assembly carrier mid- and end section (type B6-C), the assembly carrier is also available in a continuous form (type B6), which is intended for use in narrow installation areas, among other places.



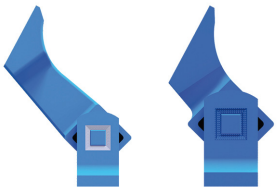
Z AND V BLADE

The blades play a special role due to their different shapes. While the so-called Z-blade works on the paint scraper principle and thus stands for high cleaning efficiency, the V-blade has a 90° arrangement and is used for reversing belts and installations on the drum.



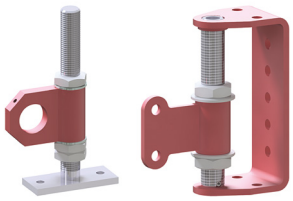
LONG AND SHORT ELEMENT

The elements connect the system carrier and the blades. They absorb dynamic forces and thus ensure permanent belt contact of the scraper. A long and a short variant of the elements creates additional possibilities for adaptation to the plant conditions.



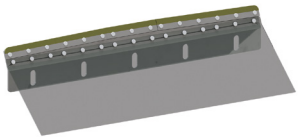
ALTERNATIVE RIGID MOUNTING

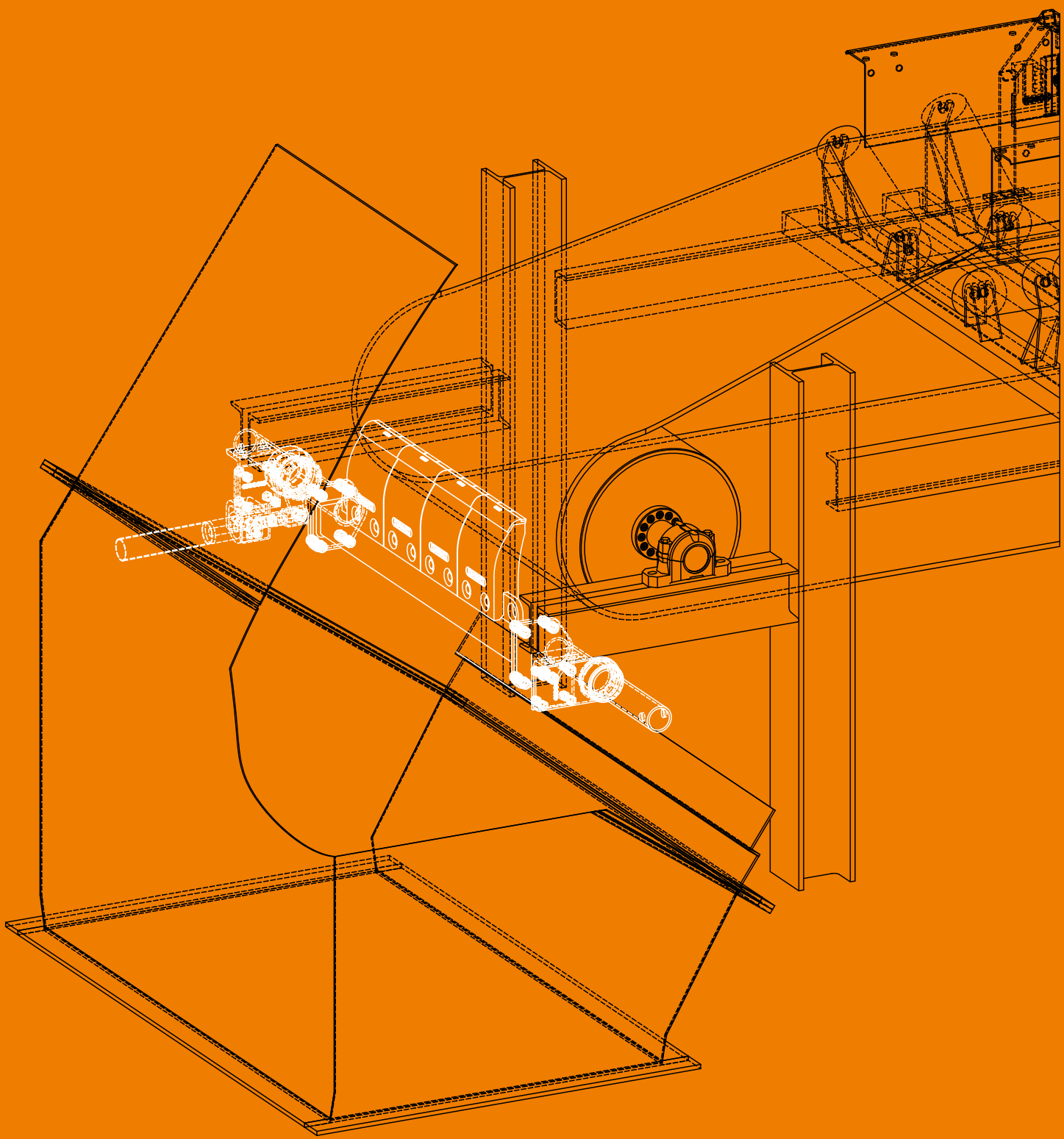
Light and slow-running conveyor belt systems are often subject to economic or space constraints, which **HOSCH** meets with separate components. For example, the spring mounting can be exchanged for a rigid mounting variant.



REA BLADE AND COMBI BLADE

In addition to the standard blades, there is the option of using an REA or combi blade. In this case the complete loading width is covered with a single blade. Talk to your **HOSCH** customer support to learn more about the possible applications and advantages of this blade.





PRE-SCRAPER

INNOVATIVE HOSCH SCRAPER TECHNOLOGY, ALSO ON THE DISCHARGE DRUM.
Belt conveyors that transport sticky, highly adhesive bulk materials pose special challenges for belt cleaning. Many bulk materials have the property of adhering to the conveyor belt in considerable layer thicknesses. Under such conditions, an additional pre-scraper should be used for the best possible cleaning result of the main scraper. It is also recommended to use a **HOSCH** pre-scraper in case of extreme belt speeds and the resulting high carryback volume

The **HOSCH** pre-scrapers have been developed with the usual technical expertise and cover every possible application with an extensive product range.

In contrast to other suppliers of pre-scrapers, the **HOSCH** series HD0x offers a unique, complete evasive mechanism and a range of different wear parts depending on the bulk material.

YOUR ADVANTAGES

- Be assured of continuous, long-lasting & high cleaning performance
- Increase your plant availability through reduced installation times and almost maintenance-free operation.
- Benefit from the precise coordination of the pre-scraper to the overall **HOSCH** concept.
- Take advantage of various pre-scrapers that can be customised to fit your equipment.



PRE-SCRAPERS
HD-PU-S-SERIE

With the development of the HD-PU-S series, **HOSCH** has combined the advantages of a polyurethane pre-scraper with those of a durable main scraper.

The head drum scraper is installed between the 3 and 4 o'clock position. The simple but extremely effective design combines the polyurethane blocks with carbide scraper edges, resulting in exceptionally long service lives.

Another notable feature compared to conventional PU pre-scrapers on the market is the special external mounting. In addition to the PU-based flexibility, this enables a planned and defined evasive movement. Compared to conventional PU pre-scrapers, this results in additional operational reliability.

With the HD-PU-S series, **HOSCH** has developed a scraper that increases productivity through long service life and reduced maintenance intervals.

A scraper of the HD-PU-S series offers you:

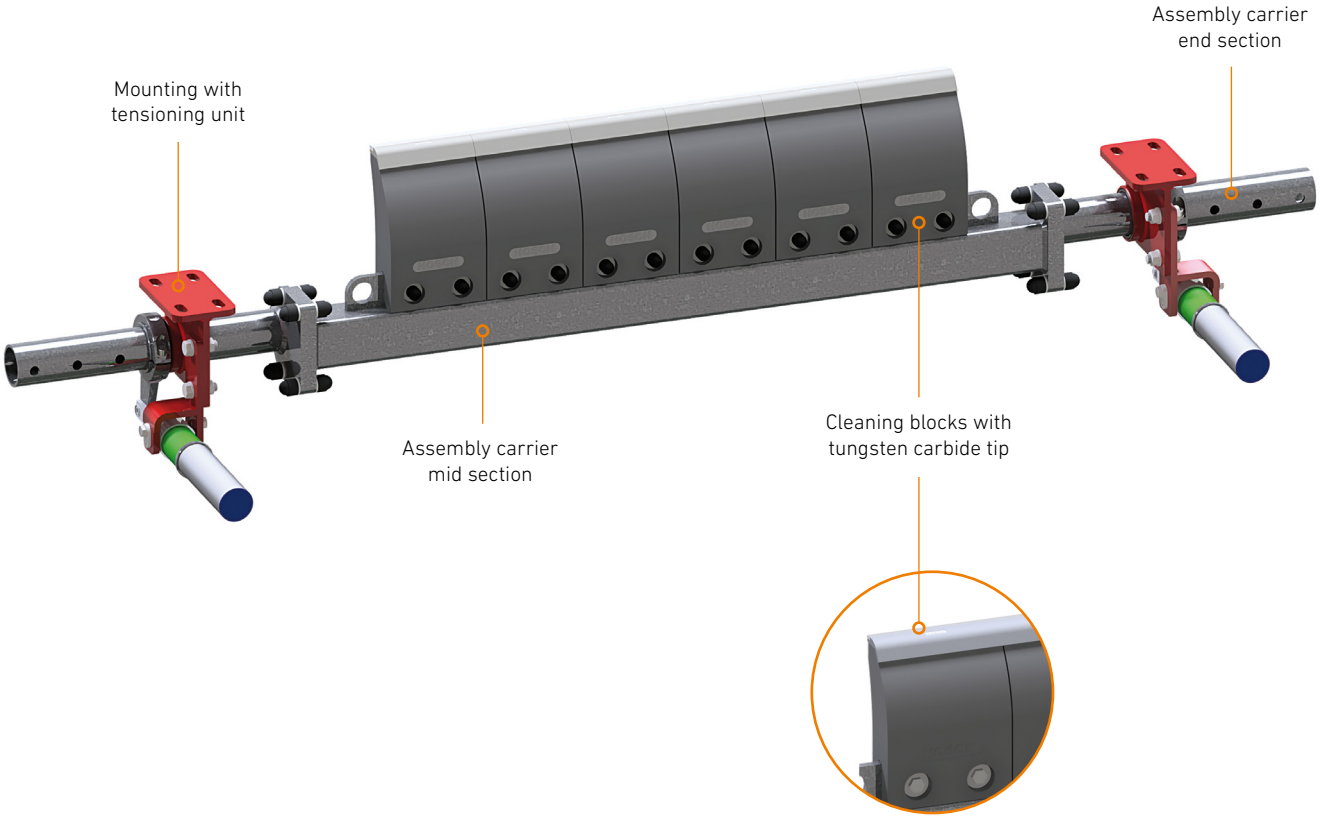
- Simple and self-explanatory handling
- Safe evasion
- Longer lifetime due to high-quality carbide
- Fewer wear parts
- Quick and easy maintenance

Get to know the HD-PU-S series with its technical data, special features and optional accessories.

TECHNICAL DATA

Data/Type	HD-PU-S1	HD-PU-S2	HD-PU-S3
Belt width (mm)	500 – 1.600	1.000 – 1.600	1.800 – 2.400
Belt speed	≤ 3,5 m/s	≤ 4,5 m/s	≤ 7,5 m/s
Conveyor belt	For smooth fabric and steel cord belts with vulcanised splices. Recommended hardness > 60 Shore-A		
Reverse operation	Yes		
Runback	Yes		
Installation position	On the drum between the 3 and 4 o'clock position		
Reinigungsblöcke	Cleaning blocks made of polyurethane (PU) with carbide scraper edges		
Design	Modular design can be flexibly adapted to the installation situation. (see optional accessories)		

HD-PU-S-SERIES
TYPE HD-PU-S1 - S3



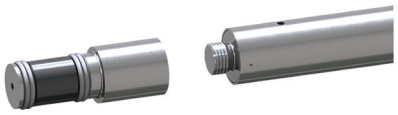
SPECIAL FEATURES

- Exceptionally long service life due to high-quality carbide scraper edges
- Two-stage spring-damper system to ensure safe evasion
- Special dampers with a high spring rate calm the vibrations that occur during the swerving movement
- User-friendly & compact design
- Simple handling during installation & maintenance
- integrated tiers serve to improve the evasive movement (lever arm)

OPTIONS

OPTIONAL MOUNTING AID

The mounting aid makes it easier to pull out the scraper from the side for maintenance or testing, eliminating the need to step into the chute.



CHEMICALLY RESISTANT (CR) VERSION

The CR version of **HOSCH** scrapers is used in areas that contain chemically corrosive components in the conveyed material due to the process. The use of special materials significantly improves the life cycle and performance of the scraper.

CR

SCRAPER BLOCKS WITH REINFORCED BLADES

For particularly abrasive materials or extreme conditions (e.g. in tunnel construction), **HOSCH** offers the possibility of upgrading the blades with additional tungesten carbide. This ensures the usual longevity of the wear components and thus a reduction in maintenance intervals.



HD-PU-SX R VERSION

The Rectractable **HOSCH** scraper has been specifically designed to maintain the equipment without long downtimes outside the chute. This allows a new dimension of maintenance speed with minimal effort. (See scraper accessories for more information).

HD-PU-SX R

HOSCH IRIS SENSORIK

In addition to the pure functionality of the scraper, the contact with the belt offers the possibility of observing data on the condition of the belt and the progress of wear using the **HOSCH** Iris sensors attachment.
(See **HOSCH**iris)

HOSCH iris


HOSCH

PRE-SCRAPERS
HD-PU-L-SERIES

With the HD-PU-L scraper series, **HOSCH** supplements its pre-scraper range with a low-cost, classic polyurethane (PU) variant for light to medium-duty applications.

It was designed to relieve the main scrapers and is mainly used for cohesive materials.

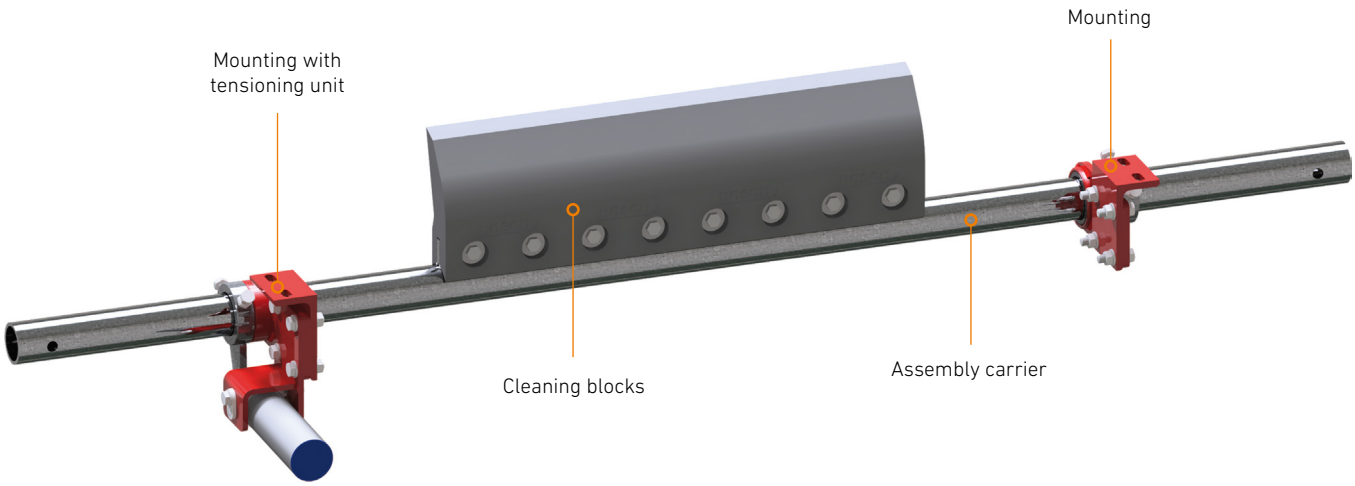
Flexible displacements and easy maintenance procedures make the HD-PU-L series particularly suitable for tight plant situations.

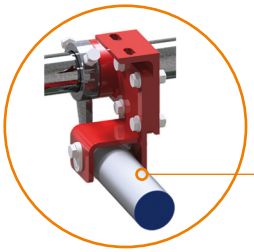
An integrated indicator on the displacement shows the wear progress of the PU blocks and thus supports you in maintenance planning.

TECHNICAL DATA

Data/Type	HD-PU-L	HD-PU-L2
Belt width (mm)	600 – 2.400	1.600 – 3.200
Belt speed	≤ 5.5 m/s; for mechanical belt splices ≤ 2.5 m/s	≤ 7.5 m/s; with mechanical belt connections ≤ 2.5 m/s
Conveyor belt	For smooth fabric and steel cord belts with vulcanised and mechanical compounds. Recommended hardness > 60 Shore-A	
Reverse operation	Yes	
Runback	Yes	
Installation position	On the drum between the 3 and 4 o'clock position	
Cleaning modules	Cleaning blocks made of polyurethane (PU)	
Design	Modular design can be flexibly adapted to the installation situation. (see optional accessories)	

HD-PU-L-SERIES
TYPE HD-PU-L/L2





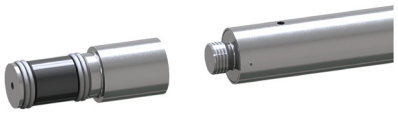
SPECIAL FEATURES

- Position holder - for easy maintenance and creation of the necessary preload
- One-sided tensioning device for smaller belt widths
- Double-sided tensioning device for higher dynamic forces or wide conveyor belts
- Fixed stop when the wear limit is reached leads to more plant safety.
- Safe evasion
- Wear indicator to support maintenance planning

OPTIONS

OPTIONAL MOUNTING AID

The mounting aid makes it easier to pull out the scraper from the side for maintenance or testing, eliminating the need to step into the chute.



CHEMICALLY RESISTANT (CR) VERSION

The CR version of **HOSCH** scrapers is used in areas that contain chemically corrosive components in the conveyed material due to the process. The use of special materials significantly improves the life cycle and performance of the scraper.

USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES

In hazardous areas, each scraper is equipped with an ATEX version to dissipate electrostatic charges. (See scraper accessories page for more information).

HOSCH IRIS SENSOR TECHNOLOGY

In addition to the pure functionality of the scraper, the contact with the belt offers the possibility of observing data on the condition of the belt and the progress of wear using the **HOSCH** Iris sensors attachment. (See **HOSCH**iris)



PRE-SCRAPERS
HD0x®-SERIES

With the HD0x series, **HOSCH** has transferred the high standards from the main scraper segment to the pre-scraper. The goal was nothing less than to set new standards in the field of pre-scraper technology.

Key points in the development were:

- Extremely long service life with low maintenance requirements
- Individual components matched to the bulk material
- A planned and defined evasive function
- A tungsten carbide-tipped pre-scraper in a solid design with the highest degree of conveyor belt safety

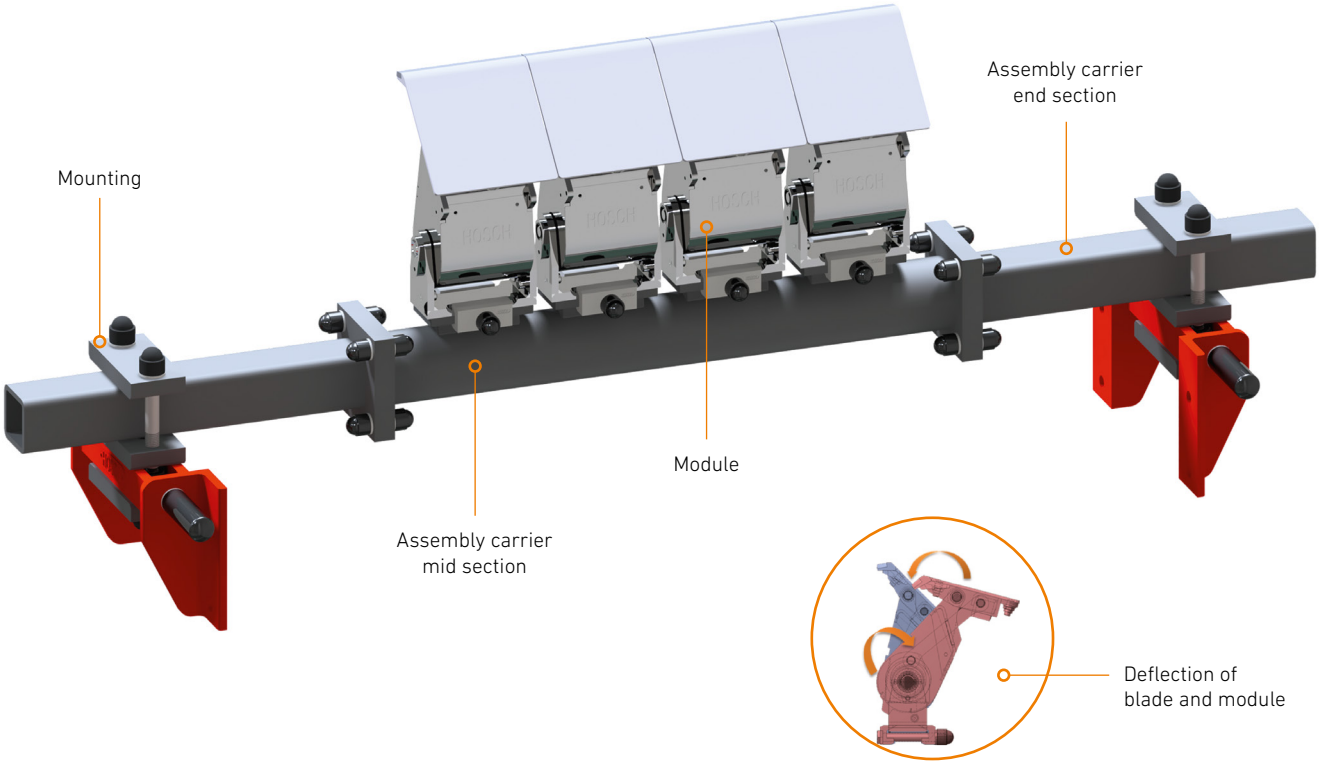
HOSCH has succeeded in this!

Our HD0x® series, with its rugged design and unique modules, is ready for the toughest applications.

TECHNICAL DATA

Data/Type	HD01®	HD02®	HD03®	HD04®
Belt width (mm)	500 – 1.000	1.000 – 1.600	1.800 – 2.400	1.800 – 3.200
Belt speed	≤ 2,5 m/s	≤ 4,5 m/s	≤ 4,5 m/s	≤ 7,5 m/s
Conveyor belt	For smooth fabric and steel cord belts with vulcanised splices.			
Reverse operation	Yes			
Runback	Yes			
Mounting position	On the drum in the 3 o'clock position			
Cleaning modules	Spring-loaded individual modules with individual wear tracking and dodge function. Separately replaceable, carbide-tipped modules.			
Design	Modular design can be flexibly adapted to the installation situation. (see optional accessories)			

HD0x®-SERIES
TYPE HD01® – HD04®



SPECIAL FEATURES

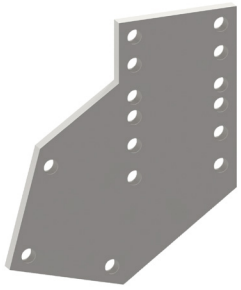
- Double deflection function blade & module (deflection, see detailed view)
- Low maintenance due to automatic re-adjustment of contact pressure
- Conveyor belt safety due to an internal stop when the wear limit is reached
- The durable modules, as well as the carbide-tipped blades, can be replaced separately
- Defined preload within the module
- Exceptionally long lifetime due to carbide scraper edges
- Displacement with a horizontal adjustment option
- Time-saving maintenance due to simple attachment of modules & blades

OPTIONS

VERSION WITH RADIAL OFFSETS

If necessary, the scrapers of type HD01®/02®/03® can be mounted with radial offsets at the 4 o'clock position. This allows them to escape the direct material flow, which significantly extends the service life of the scrapers.

The radial offsets are designed so no additional changes to the design of the conveyor belt system are required.



VERSION OFFSETS

With the help of tiers, obstacles of the belt construction can be bypassed, so nothing stands in the way of optimal installation.

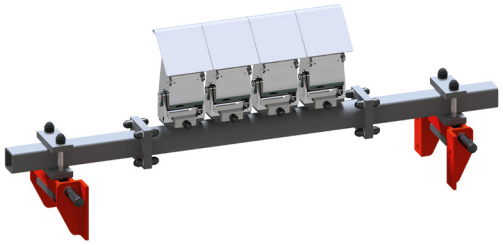


USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES

In hazardous areas, each scraper is equipped with an ATEX version to dissipate electrostatic charges. (See scraper accessories page for more information).

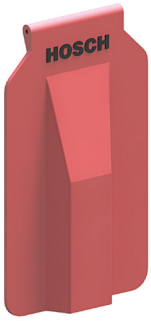
OPTIONAL HEAVY DUTY

The robust basic configuration of the HD0x® series offers two additional variations with the HD01®S and HD04®S scrapers. These find their application in the most difficult conditions, such as extreme belt speeds and conveyed material conditions.



OPTIONAL SKIRTS

For better preservation of flexibility and wear delay of the modules, they can be equipped with skirts.



HEATED VERSION

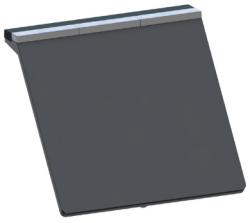
With the option of a special heater, scrapers types HD02 and HD03 can also be used at low operating temperatures. (For further information, see scraper accessories page).

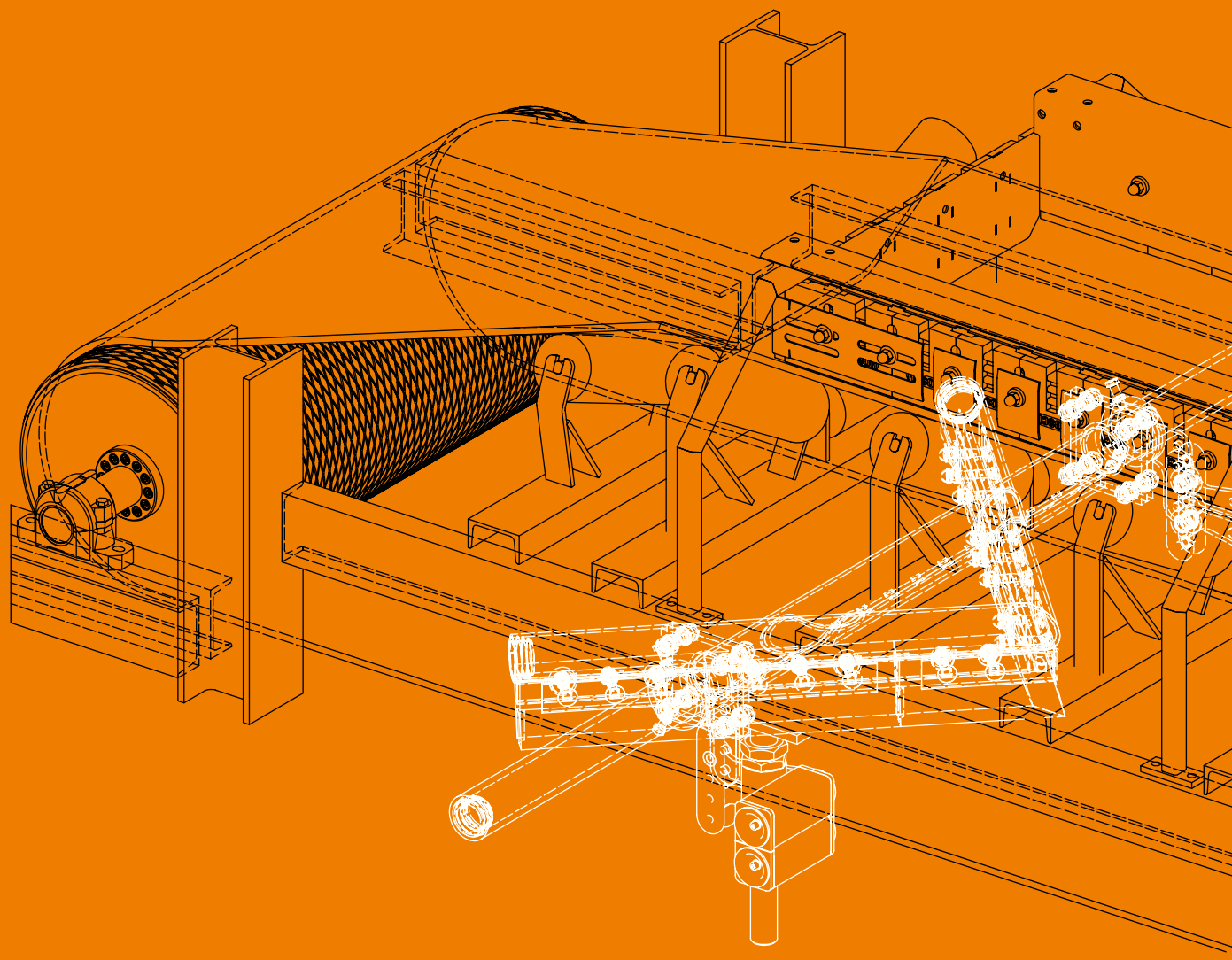


DESIGN WITH HIGHLY REINFORCED BLADES

Due to its exposed position, the pre-scraper is subjected to special loads, such as conveying highly abrasive materials.

To extend the service life in such difficult conditions (e.g. in tunnel construction), **HOSCH** has expanded its range to include three highly reinforced plate types.





PLOUGH SCRAPER

Plough scrapers clean the conveyor belt's return side from spillage or falling objects. Therefore the plough scraper protects all drums from debris and foreign objects to avoid slippage, premature drum wear, mistracking and belt and drum damage.

Dust, water, or ice on the inner belt can lead to extreme slippage, resulting in production disruptions or even system failures. In these particular applications, the variety of **HOSCH** products also offers the possibility of effective ultra-fine cleaning of the inner belt.

YOUR ADVANTAGES

- Prevent contamination between pulleys and conveyor belt
- Protect your drum linings
- Minimize conveyor energy consumption by preventing slippage.
- Prevent material-related mistracking and belt damage.
- For higher requirements, use the B6I-C for fine cleaning of the inner belt.
- Take advantage of the long-lasting cleaning performance due to automatic wear adjustment



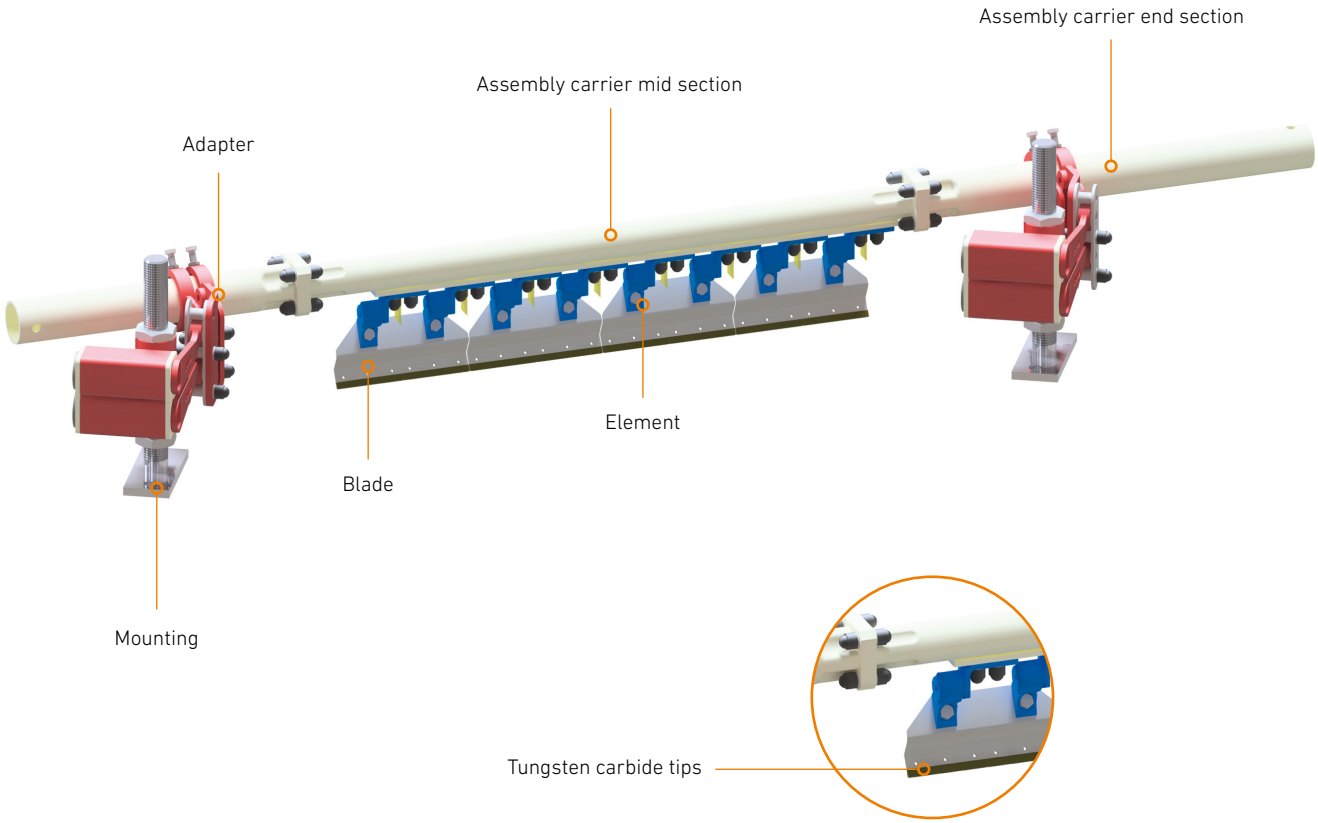
PLOUGH SCRAPER
B6I-C

Unlike conventional plough scrapers, which serve more as protection for the conveyor belt drums, the B6I-C is a classic belt cleaner, especially for the running side of the conveyor belt. A common plough scraper has scraper blocks made of plastic, as the actual cleaning is not the main criterion. The B6I-C is different. Its tungsten carbide scraper edges are ideally suited for exceptional cases, such as ice formation or heavy contamination of the inner belt.

TECHNICAL DATA

Data/Type	Typ B6I-C
Belt width (mm)	650 – 2400mm
Belt speed	≤ 3,0 m/s
Conveyor belt	For smooth fabric and steel cord belts with vulcanised splices and mechanical splices after consultation with **HOSCH**.
Reverse operation	Yes (in a special version)
Runback	Yes (in a special version)
Installation position	In the inner belt area
Cleaning modules	Spring-loaded, carbide-tipped individual lamellas with individual deflection function
Construction method	Modular design, flexibly adaptable to the installation situation. (see optional accessories)

PLOUGH SCRAPER
B6I-C



SPECIAL FEATURES

- Different scraper blades ensure variable application possibilities
- Long service life due to tungsten carbide scraper edges
- Cleaning performance in the inner belt comparable with a **HOSCH** main scraper
- Due to the diagonal position, the material is discharged to one side.
  (Can also be used on the top belt, as a separator).
- automatic self-adjustment in the process of blade wear
- small installation space, compact design
- After consultation with **HOSCH**, also available in special sizes and individual designs

OPTIONS

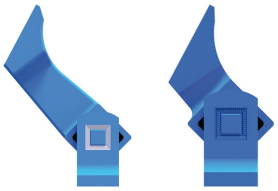
Z AND V BLADE

The blades play a special role due to their different shapes. While the so-called Z blade works on the paint scraper principle and thus stands for high cleaning efficiency, the V blade has a 90° arrangement and is used for reversing belts and mechanical splices.



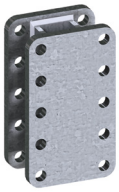
LONG AND SHORT ELEMENT

The elements - which connect the system carrier with the blades - absorb the dynamic forces like a powerful damper and thus ensure permanent belt contact of the scraper. The two elements differ in their spring effect.



VERSION WITH OFFSETS

With the help of offsets, obstacles in the belt construction can be bypassed, so nothing stands in the way of optimal installation.



VERSION FOR MECHANICAL BELT CONNECTIONS

Type B6-IC scrapers in a selected configuration can run reliably even with mechanical belt splices or poor conveyor belt surfaces. (Please consult **HOSCH** for this).



PLOUGH SCRAPER
B9SI

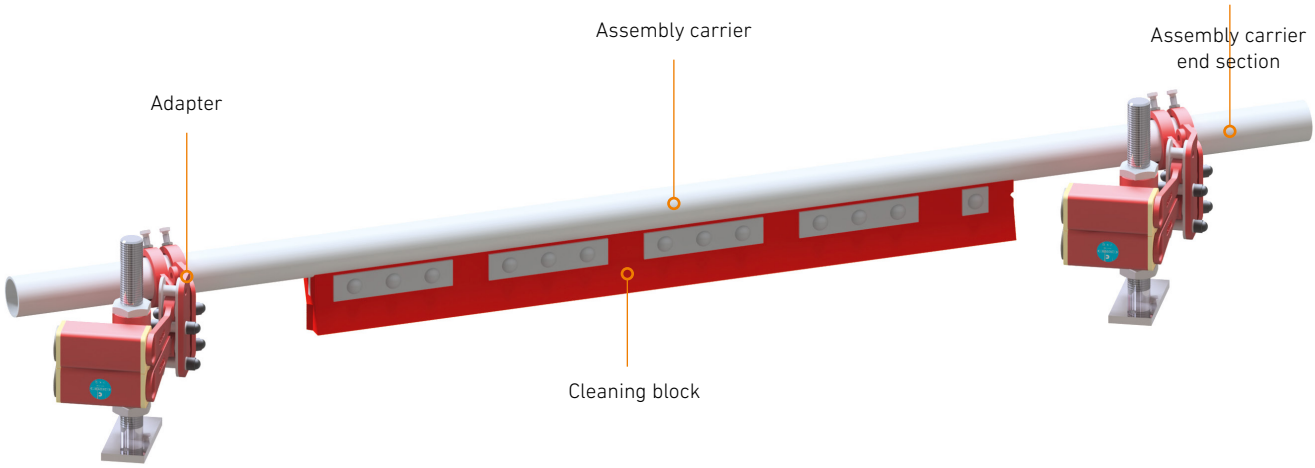
The B9S-I is a robust, semi-floating belt plough with PU blocks.

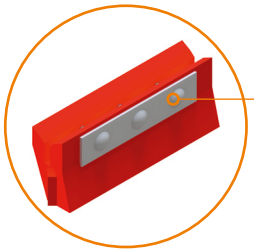
It can be used on reversing or bidirectional conveyor belts. The diagonal plough design discharges the material on one side of the conveyor. The plough design is semi-floating due to the parallel elasto mounts. These unique mounts absorb the dynamic forces of the belt and ensure continuous adjustment as wear progresses — ensuring long-lasting, uninterrupted belt contact of the diagonal scraper.

TECHNICAL DATA

Data/Type	Typ B6I-C
Belt width (mm)	800 – 3.200mm
Belt speed	≤ 3 m/s
Conveyor belt	For smooth fabric and steel cord belts with vulcanised splices and mechanical connectors
Reverse operation	Yes
Runback	Yes
Installation position	In the inner belt area
Cleaning modules	Cleaning blocks made of polyurethane (PU)
Construction method	Modular design, flexibly adaptable to the installation situation. (see optional accessories)

PLOUGH SCRAPER
B9SI





SPECIAL FEATURES

- Very stable and robust construction
- Extended maintenance intervals due to increased PU material thickness
- Quick change of the scraper blocks
- Steady belt contact due to automatic wear tracking
- Reversible

OPTIONEN

USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES

In hazardous areas, each scraper is equipped with an ATEX version to dissipate electrostatic charges. (For more information, see the scraper accessories page).

SPLIT ASSEMBLY CARRIER

In addition to the standard variant of a continuous assembly carrier, there is also the option of a split design with an assembly carrier midsection and end section (type B9SI-C), which, among other things, facilitates transport for larger variants and enables the flexible use of offsets.



PLOUGH SCRAPER
V-SERIES

HOSCH V-Series plough scraper is a robust, semi-floating belt plough with PU blocks. The v-shaped plough design discharges the material on both sides of the conveyor and does not create an unsymmetrical drag on the belt (as a diagonal plough). The plough design is semi-floating due to the parallel elasto mounts. These unique mounts absorb the dynamic forces of the belt and ensure continuous adjustment as wear progresses – ensuring long-lasting, uninterrupted belt contact of the diagonal scraper.

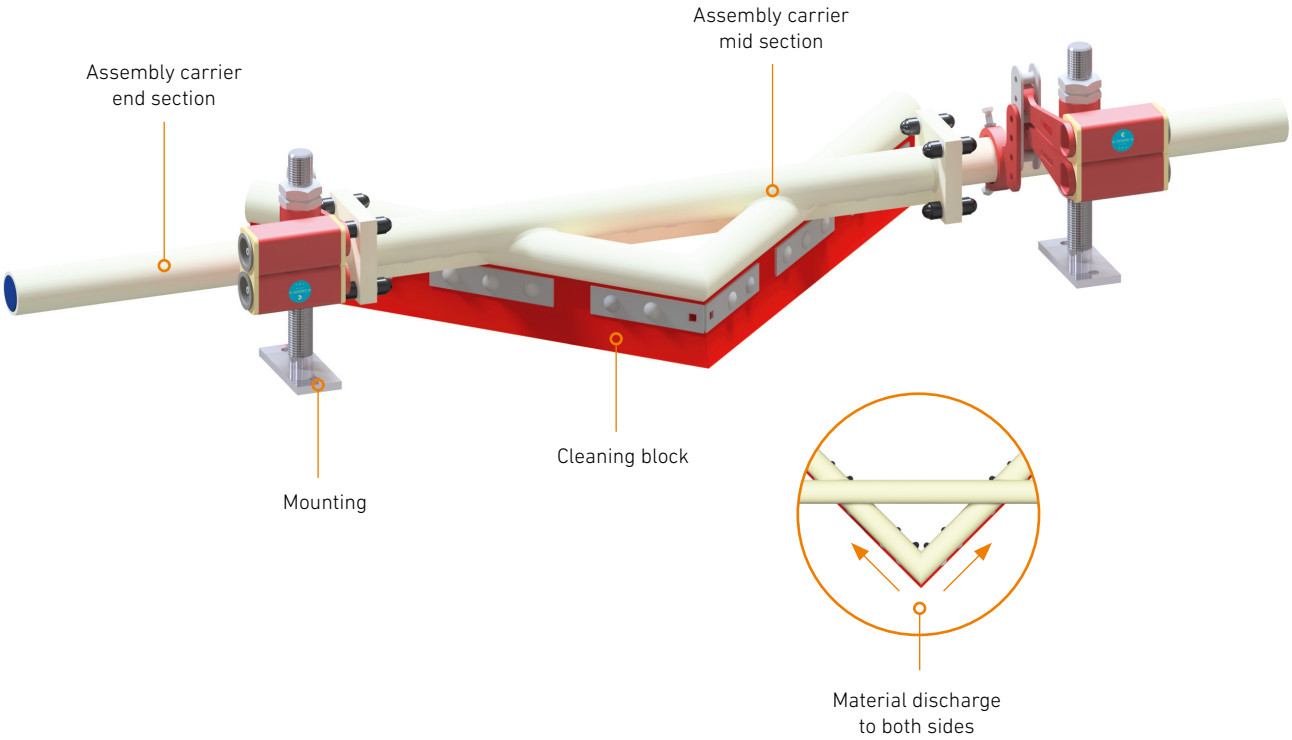
The semi-floating **HOSCH** v-Series ploughs are more resistant to vibrations due to belt flap and premature nose block ware than other plough designs on the market.

For larger high-speed applications, an additional midsection with two additional mounts can be used - creating the most robust belt plough on the market.

TECHNICAL DATA

Data/Type	VC1	VC2	V-D2
Belt width (mm)	400 – 1.000 mm	1.000 – 2.000 mm	1.000 – 2.400mm
Belt speed	≤ 3,0 m/s	≤ 3,0 m/s	≤ 4,5 m/s
Conveyor belt	For smooth fabric and steel cord belts with vulcanised splices and mechanical connectors		
Reversing operation	No		
Runback	After inspection by **HOSCH**		
Installation position	In the inner belt area		
Cleaning modules	Cleaning blocks made of polyurethane (PU)		
Construction method	Modular design, flexibly adaptable to the installation situation. (see optional accessories)		

V-SERIES
VC1/VC2/V-D2



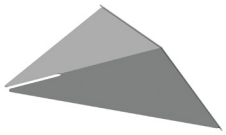
SPECIAL FEATURES

- highly abrasion-resistant PU materials
- self-adjusting due to elastic mounting
- easy assembly and maintenance
- Material discharge to both sides
- robust construction for heavy belt systems with belt widths of 1,000 - 2,400 mm
- Solid round tube construction of the V-D2 prevents material build-up on the assembly carrier
- Separate midsection and end sections reduce transportation and storage requirements.

OPTIONS

VERSION WITH HOOD

To protect against skipping or excessive amounts of material, **HOSCH** offers the option of a hood for the plough scrapers. These can be designed according to customer specifications.



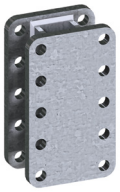
USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES

In hazardous areas, each scraper is equipped with an ATEX version to dissipate electrostatic charges. (For more information, see the scraper accessories page).

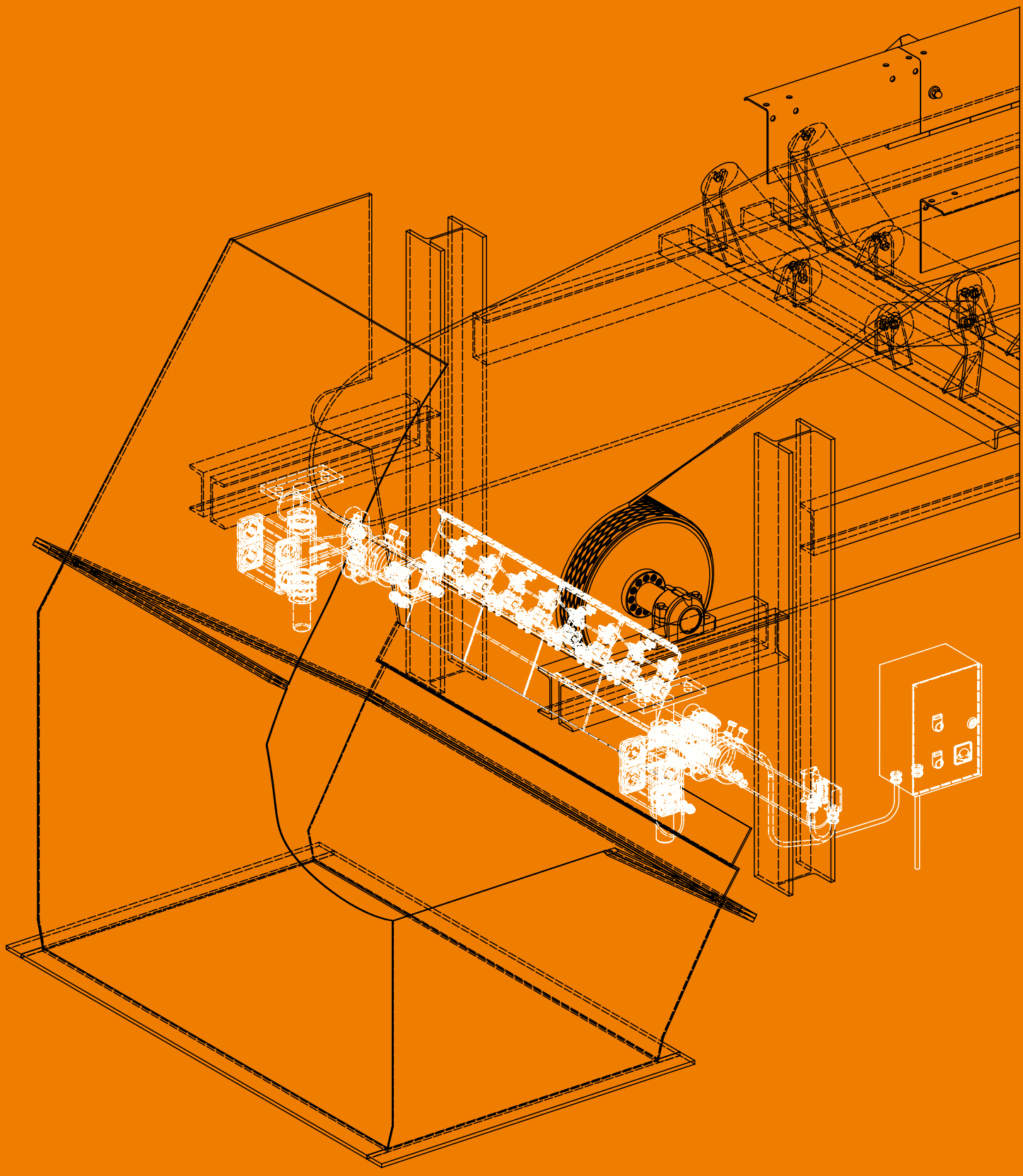


VERSION WITH OFFSETS

With the help of offsets, obstacles in the belt construction can be bypassed, so nothing stands in the way of optimal installation.







SCRAPER ACCESSORIES

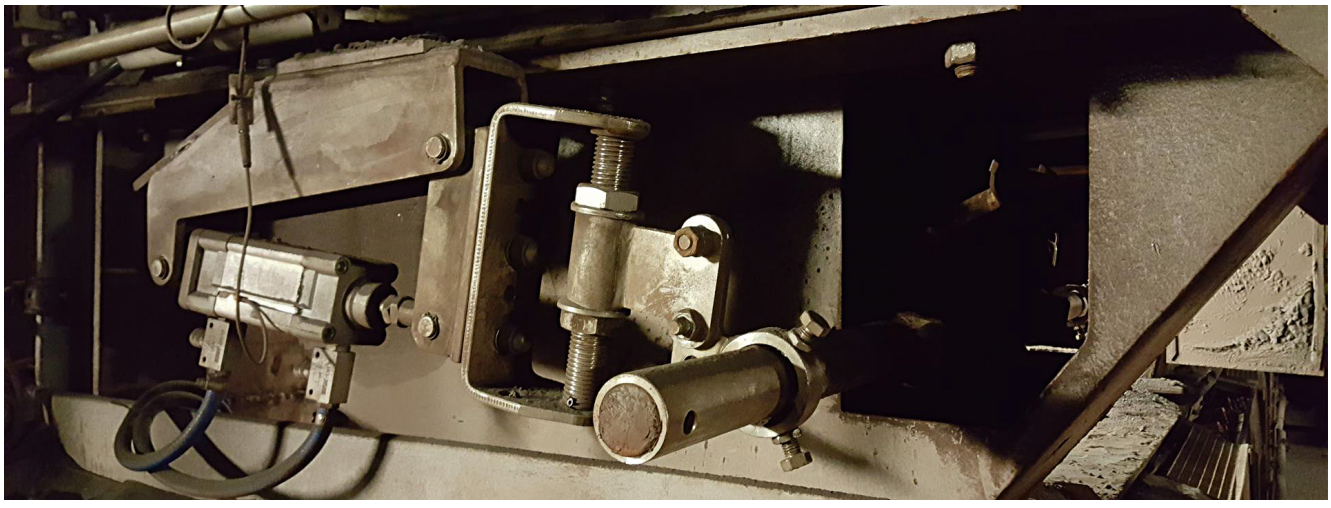
The flexible **HOSCH** modular system can be configured even more individually by means of a wide range of accessories.

Customer-specific needs, special requirements and external influences acting on the scraper require a high degree of specialization.

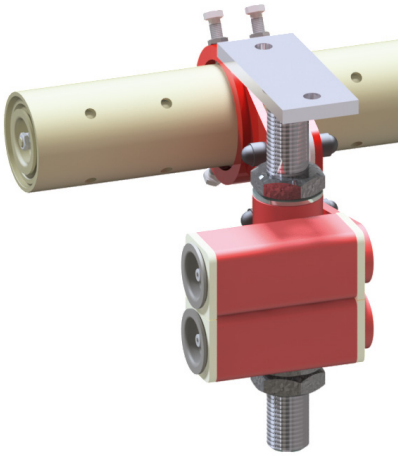
A detailed solution tailored to your plant and needs can be worked out in a discussion with one of our experts.

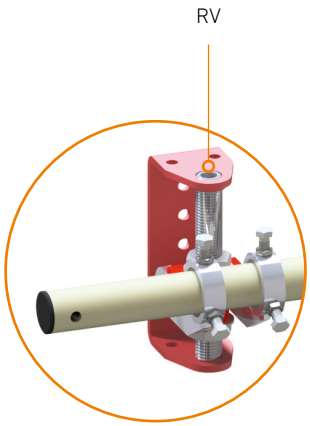
YOUR ADVANTAGES

- If you have runback or work in the reverse operation, **HOSCH** has the right accessories for you
- Maintain the operation of the scrapers even in cold temperatures by means of a heater
- Optimize your maintenance times and meet high safety standards
- Reduce dust emissions
- Prevent material hardening on the scrapers with water spray systems
- Comply with legal requirements in potentially explosive atmospheres by grounding your scraper professionally



SCRAPER ACCESSORIES
RUNBACK MOUNTING (RV) / RUNBACK ADAPTER (RA)

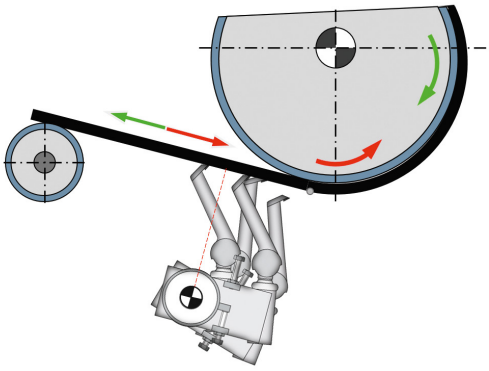


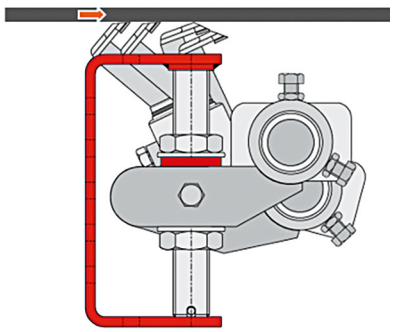


Due to the process, runback can occur, for example, with tripper cars, loaded or rising conveyor belt systems.

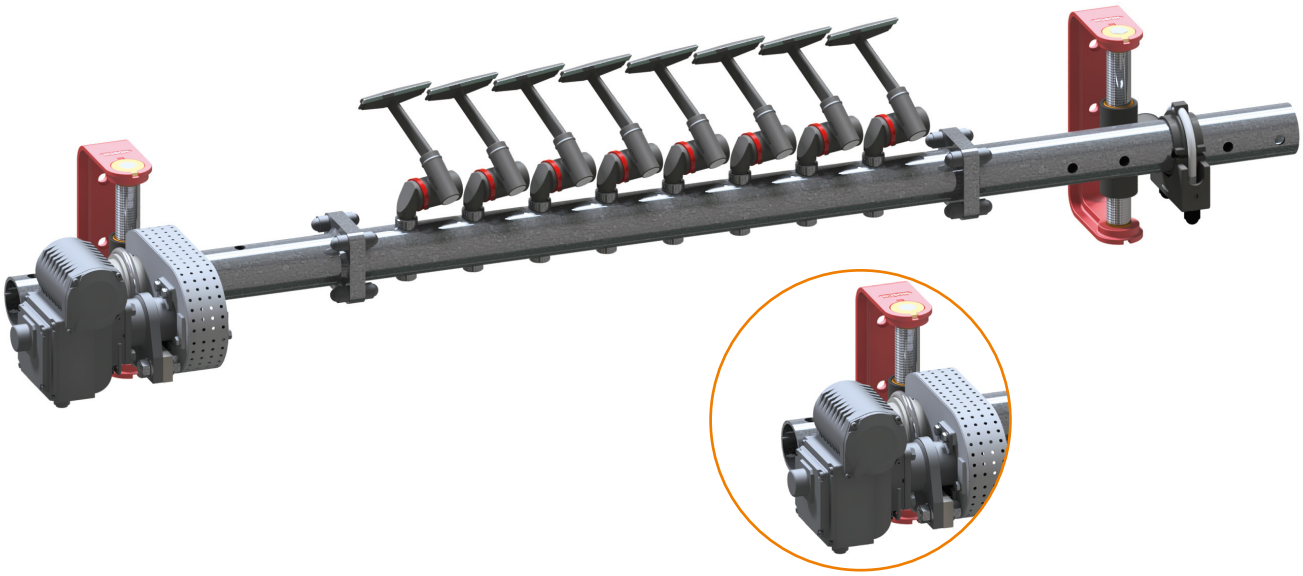
During belt runback, the scraper is loaded in the opposite direction to its intended operating direction and modules can bend or can damage the belt. This is prevented by so-called runback adapters (RA), or runback mounting (RV).

The runback mounting or runback adapter automatically moves the scraper down and to the front. In this way, the modules are not clamped against the belt and the scraper is not tensioned against its normal operating direction. At the same time, the back of the scraper elements remains in light contact with the belt surface, which causes a return to the original working position of the scraper when the belt restarts.





SCRAPER ACCESSORIES
DISENGAGING DEVICE (ASV)



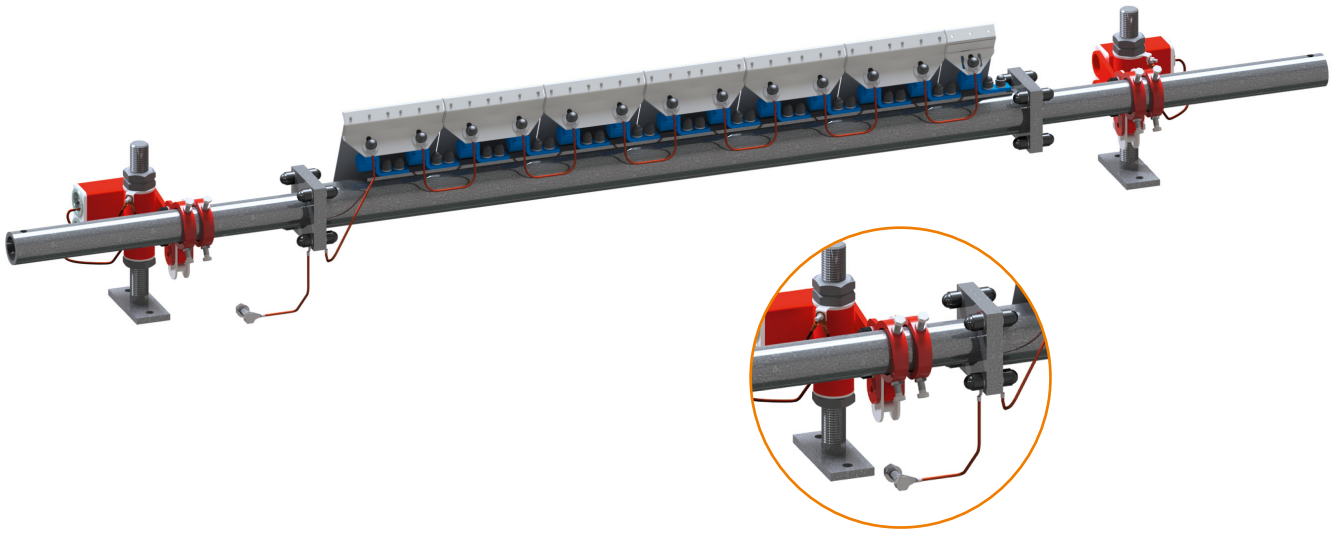
On reversible belt conveyors, scrapers are required on the drive side as well as on the return side due to the conveying directions to both sides.

Only the scraper of the currently active conveying direction should be in contact with the belt. This can be controlled by a **HOSCH** disengaging device (ASV). The ASV can be integrated electrically, pneumatically or hydraulically into the existing system control (e.g. PLC) and thus functions fully automatically. If integration into the conveyor control system is not desired, a hydraulic-autonomous system is also available as an alternative.

The ASV also favors the control & maintenance operations of the scrapers as well as the conveyor belt system.

	Type
Electrical	ASV-E, ASV-D-E
Pneumatical	ASV-P1-3
Hydraulical	ASV-H1-3, ASV-HV2,ASV-HV4

SCRAPER ACCESSORIES
ATEX

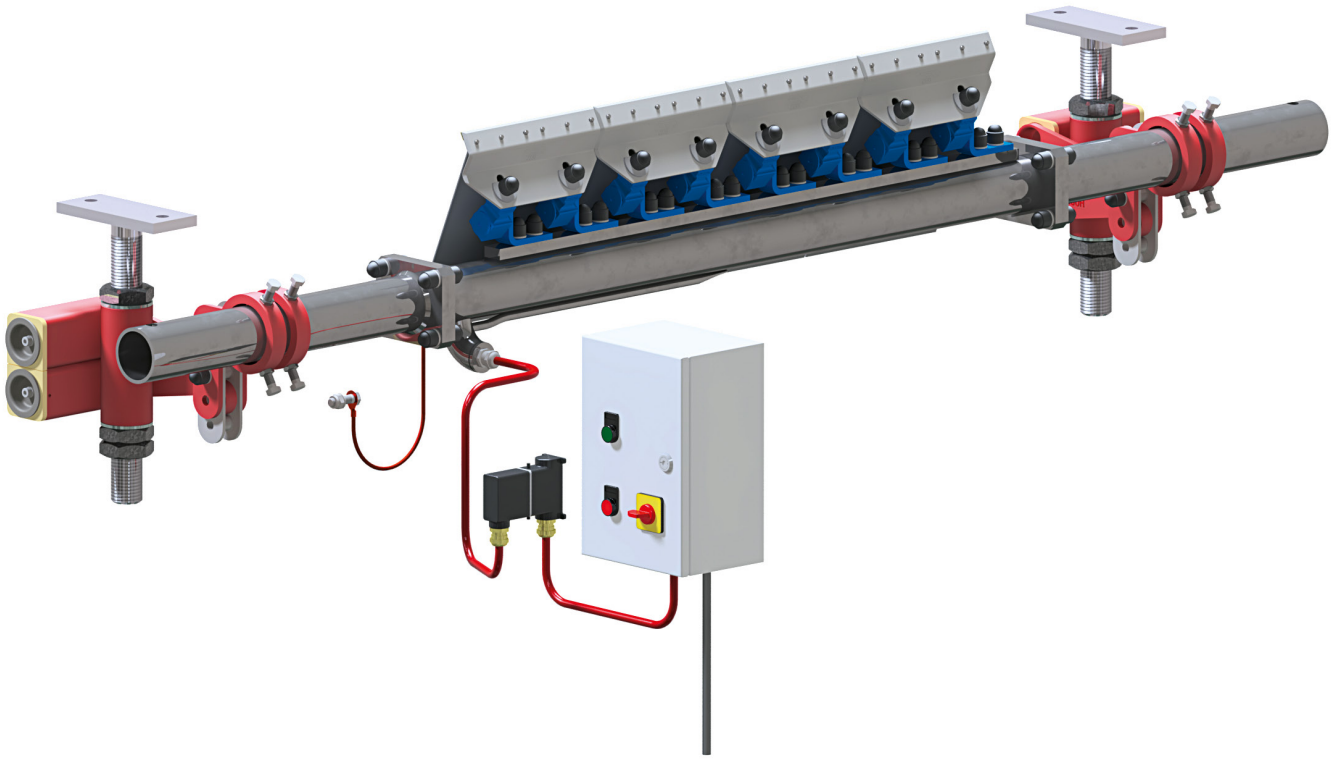


In hazardous areas such as power plants or underground operations, special design measures are required for the safely use of the scrapers in accordance with ATEX Directive 2014/34/EU.

The charges generated by the belt's relative movement over the scraper edges are dissipated by a cable bridge over the belt structure. To avoid ignition hazards due to sparking due to static charging, the scrapers must therefore be grounded and, in some cases, equipped with special materials.

The "ATEX" accessory kit includes the required number of grounding cables, glands and the associated spare parts.

SCRAPER ACCESSORIES
HEATING

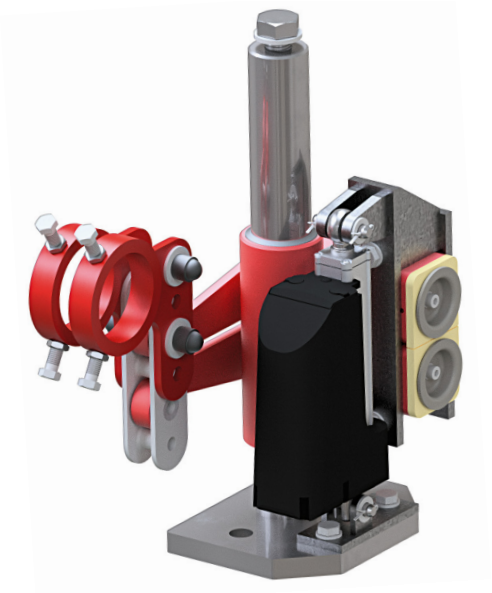


When used in a cold environment, the function of scrapers for conveyor belts can be blocked by freezing, moist bulk material or ice formation. This danger is particularly prevalent during downtimes of a conveyor system. **HOSCH**, therefore, offers electrical heating systems for the scraper types B6-C, C2/3, HD02/03 and D2/3.

With the electric heating system for **HOSCH** scrapers, the tube support of the respective scraper is heated by internal heating elements. The associated electrical control regulates the heating power fully automatically. Scraper and electrical control are connected via a cable with plugs included in the scope of delivery.

- The heating system is exclusively intended for use together with **HOSCH** scrapers of types B6-C, C2, C3, HD02/03 and D2/D3
- It is suitable for conveyor belts widths of 800 to 3000mm
- The maximum electric. Connected load is 1600 watts
- The required supply voltage is 230 V – 50 Hz / AC
- The protection class is IP 65
- The heating system is not suitable for working areas subject to ATEX directives.
- The heating system is self-regulating and suitable for ambient temperatures down to -40°C

SCRAPER ACCESSORIES
PARALLEL-ELASTO-MOUNT WITH ELECTRIC CONTROL (PEM-EC)



The **HOSCH** scraper displacement type PEM-EC is used as an alternative to the standard mounting of **HOSCH** main scrapers used when:

- Regulation of the scraper during operation becomes necessary
- Disengaging the scraper during operation in case of malfunctions becomes necessary
- Engaging or disengaging the scraper without entering the hazardous area is required.
- Precise digital & reproducible preload settings are desired.

It is used in combination with **HOSCH** main scrapers type B6 and C up to a belt width of 2,000mm.

SCRAPER ACCESSORIES
WATER SPRAYING



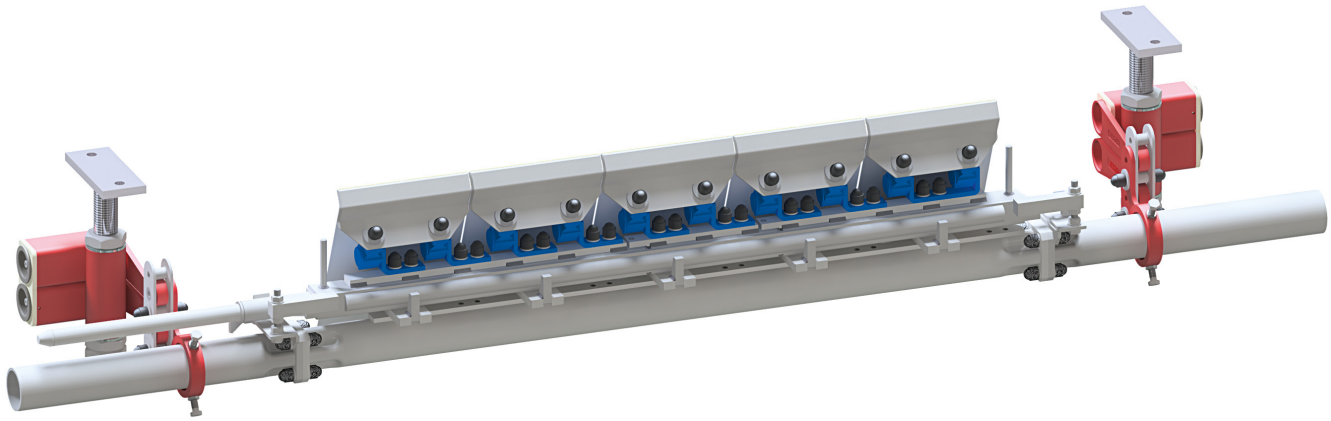
The **HOSCH** scrapers can optionally be equipped with a water spraying system, which on the one hand, reduces dust emissions, and on the other hand, supports the scrapers in the cleaning process.

The selection is based on the belt width and the scraper type, with no additional effort required for installation.

The water spraying system supports with

- the cleaning of the belt and scraper
  - The watering of the conveyed material creates a separating layer between the adhering material and belt, which makes it easier for the scraper to separate the layer to be cleaned.
  - Depending on the setting angle of the water spraying, it is possible to protect the scraper from adhering material by continuous rinsing.
- the dust reduction
  - Environmental regulations often require the lowest possible dust emissions. The **HOSCH** water spraying system reduces the amount of dust within the transfer (chute) by binding with the water mist.

SCRAPER ACCESSORIES
RETRACTABLE (R)

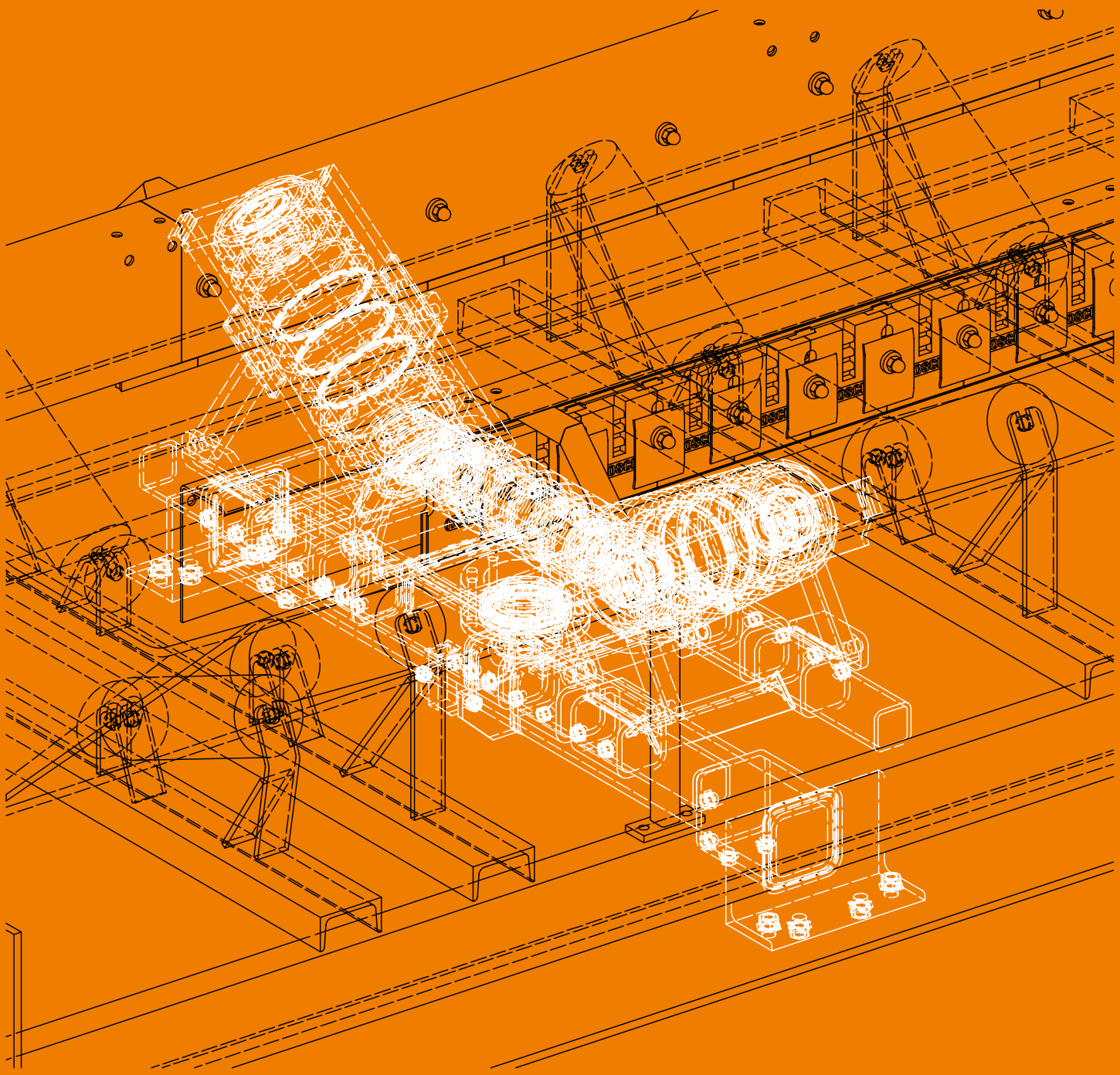


Due to the ever-increasing work safety regulations on conveyor systems worldwide, it is becoming increasingly important for many customers to carry out maintenance outside of the chute. This way, dangerous work at heights and scaffolding constructions inside the chute can be avoided. With **HOSCH** Rectractable-System, the customer can remove the scraper from the side of the transfer and thus ensure work safety.

Likewise, faster maintenance can be achieved due to the easier accessibility of the scraper.

The retractable system from **HOSCH** is a retrofittable option for type B6-C. The type HD-PU-SxR is a stand-alone unit.





TRACKER ROLLER SYSTEMS

In addition to belt cleaning, preventing belt mistracking is the greatest challenge for a trouble-free operation of a conveyor belt system.

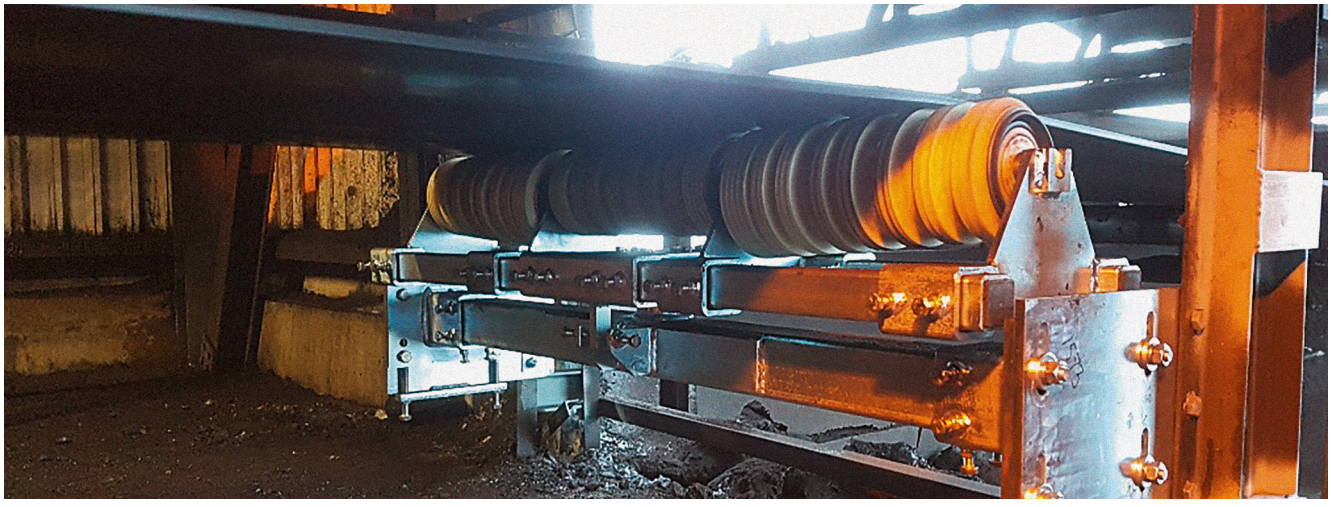
Belt misalignment is caused by the deflection of the belt transverse to the conveying direction, which leads to operational shutdowns as well as damage to the conveyor belt and other machine parts.

The combination of effective belt cleaning with professional use of belt tracking units guarantees continuous operational reliability.

For this purpose, **HOSCH** offers a wide range of tracker roller systems for belt widths of up to 2400 mm and Speeds of maximum 6m/s, for both the top and return strand.

YOUR ADVANTAGES

- benefit from the numerous, individual application possibilities of the **HOSCH** tracker rollers.
- select the drum cover tailored to your needs
- The very robust construction and use of high quality components provide you with long-lasting functionality.
- Use in hazardous area possible



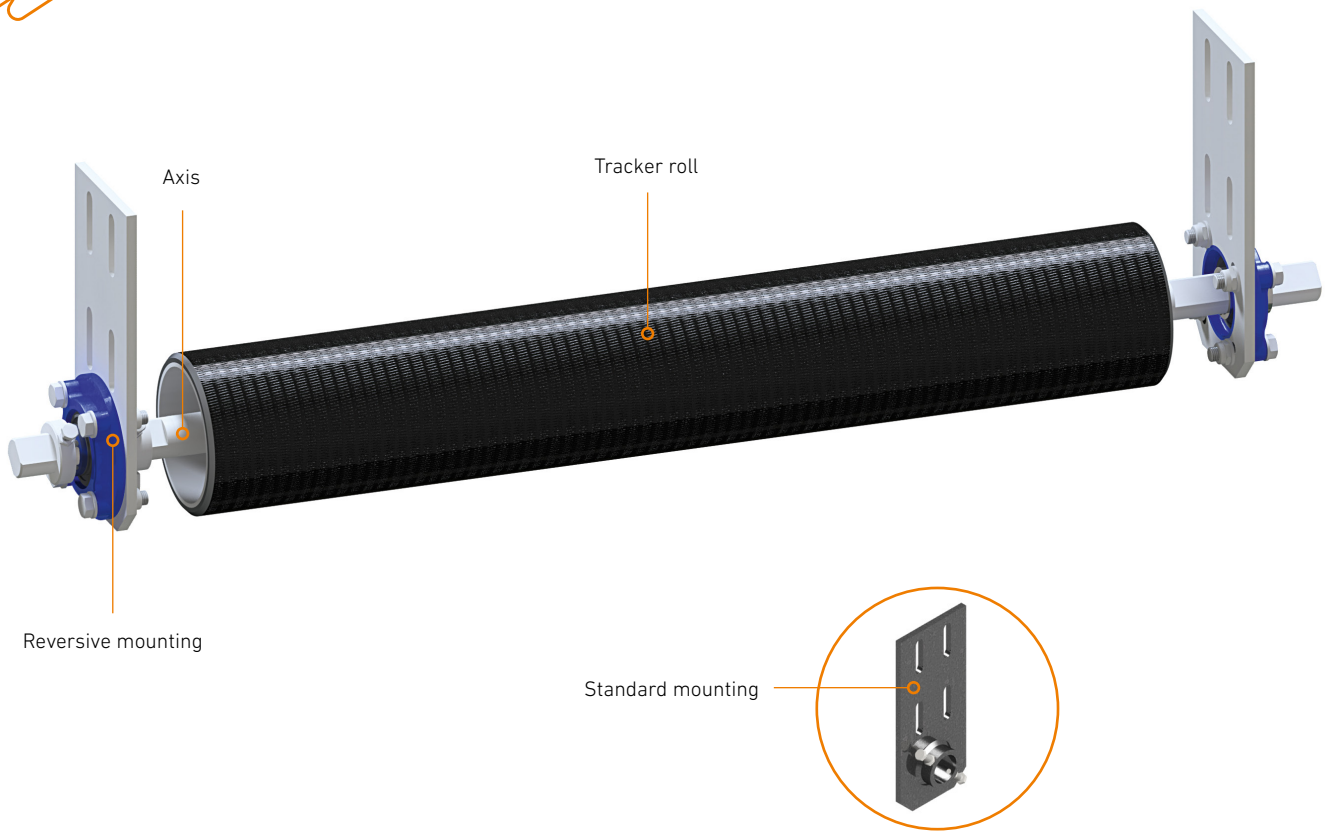
TRACKER ROLLER SYSTEMS
SERIES RX1

The **HOSCH** tracker rollers of the type R(R)1/R(R)G1 are used in the lower belt area for the correction of belt misalignments for light to medium-heavy cases. The tracker roller for normal operation is the type R1/RG1 and for reverse operation the type RR1/RRG1). Installation is at right angles to the direction of belt travel and the tracker roller is pressed against the running conveyor belt with defined pretension. With belt misalignment the center of gravity of the conveyor belt shifts on the tracker roller. This causes the roller downwards and in the running direction of the conveyor belt. As a result, a frictional force is created which pushes the belt back to the center of the belt stand. The tracker roller can be supplied with different axle lengths and roller lengths according to the belt and scaffold width. Different rubber friction linings are available depending on requirements.

TECHNICAL DATA

Data/type	R1	RR1	RG1	RRG1
Belt width (mm)	400 – 1.200		1.200 – 2.000	
Belt speed	≤ 3,5 m/s			
Space requirement	175 mm (free space under the belt)		210 mm (free space under the belt)	
Installation position	lower belt area			
Operating mode	Normal operation	Reverse operation	Normal operation	Reverse operation
Height adjustment	stepless, max. 55 mm			
Mounting	Mounting plates with integrated height adjustment, therefore easy mounting and alignment			
Corrosion protection	Galvanized components, stainless steel screw connections			
ATEX approval	Yes, in special version			

TRACKER ROLLER SYSTEMS
SERIES RX1



SPECIAL FEATURES

- maintenance free
- durable components
- operational safety
- Low space requirement, compact and robust design
- proven application technology
- minimal assembly effort
- also suitable for reverse operation, easy to retrofit

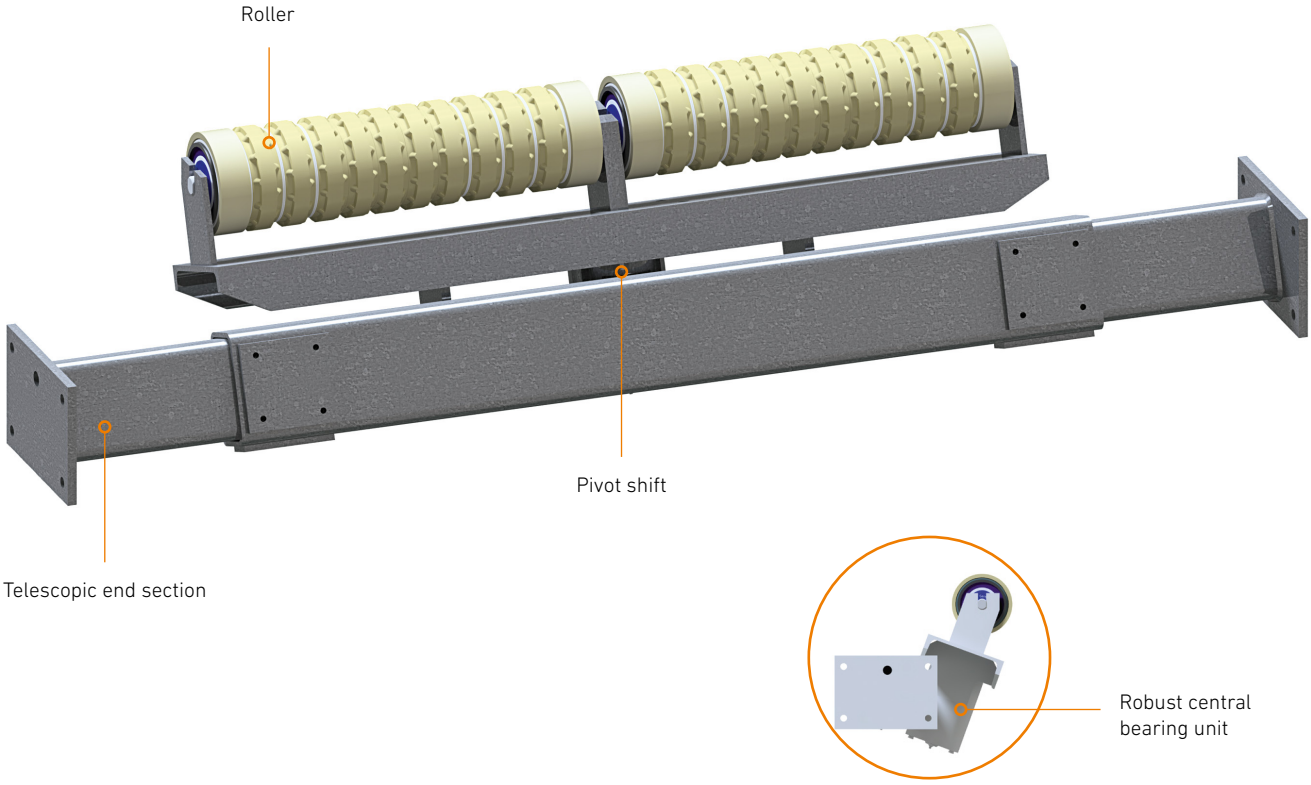
TRACKER ROLLER SYSTEMS
RG2

The RG2 type tracker roller is also designed for the lower belt area. In heavy duty conditions, a particularly robust design of the tracker roller system is necessary to be able to transmit the required high steering forces. Unlike the conventional tracker rollers, here a rigid crossbeam with a separate, robust central bearing unit is used. For flexible adjustment to different scaffold widths, the crossbeam of the type RG2 is equipped with telescopic end-sections. Depending on the belt width, the RG2 is equipped with two or three high-quality and low-wear rollers.

TECHNICAL DATA

Data/Type	RG2
Belt width (mm)	1.200 – 2.400
Belt speed	≤ 6,0 m/s
Space requirement	175 mm / 210 mm (free space under the belt)
Installation position	20° - inclined in the running direction of the lower belt
Operating mode	Normal operation (one belt direction)
Height adjustment	stepless, max. 50 mm
Mounting	Mounting plates with integrated height adjustment, therefore easy mounting and alignment
Corrosion protection	galvanized components, stainless steel fittings
ATEX approval	Yes, in special version

TRACKER ROLLER SYSTEMS
RG2



SPECIAL FEATURES

- External centre bearing block fitted with high-quality radial and axial roller bearings.
- Heavy-duty system carrier with telescopic end sections for flexible adaptation to the conveyor structure
- Crosshead roller-bar suitable for various belt width and fitted with a swing angle limiter.
- Rubberized segment rollers with rolling bearings for insertion into the roller crossbeam
- Basically maintenance-free

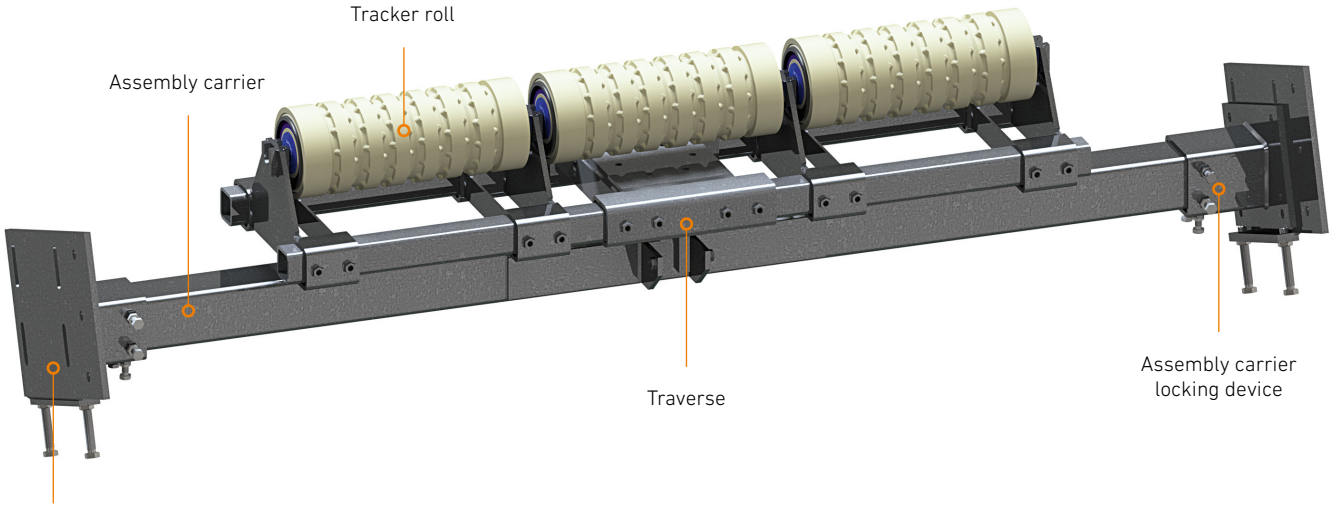
TRACKER ROLLER SYSTEMS
SERIES RC

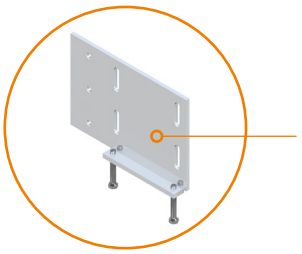
The **HOSCH** tracker roller system of the RC2/RC3 series is specially designed for normal operation (one conveying direction). As with the RG2 tracker roller system, several rollers are used on a crossbeam. A special feature of the RC2 / RC3 series is its modular design. All components are pluggable and can be adapted to the existing framework on site. The stable straight running of the conveyor belt that can be achieved with the tracker roller system, increases operational safety and system availability significantly. It also increases the service life of the belt and the system components.

TECHNICAL DATA

Data/Type	RC2	RC3
Belt width (mm)	1.200 – 1.600	1.800 – 2.400
Belt speed	≤ 6 m/s	
Space requirement	550 mm (free space under the belt)	570 mm (free space under the belt)
Installation position	20° - inclined in the running direction of the bottom runner	
Operating mode	Normal operation - one conveying direction	
Height adjustment	stepless, max. 80 mm	
Mounting	Mounting plates with integrated height adjustment, therefore easy mounting and alignment	
Corrosion protection	galvanized components, stainless steel fittings	
ATEX approval	Yes, in special version	

TRACKER ROLLER SYSTEMS
SERIES RC





SPECIAL FEATURES

- Installation in the straight lower belt of the conveyor system
- special design for unrestricted normal operation
- Suitable for heavy operating conditions
- Easy adaptation to the existing scaffold structure
- highly wear-resistant, antistatic and flame-retardant plastic coverings of the rollers (ATEX suitability)
- Robust, torsion-resistant steel construction for heavy operating conditions
- Roller crosshead with sealed roller bearings guarantees smooth and fast response to belt misalignment
- Simple and fast assembly due to modular design

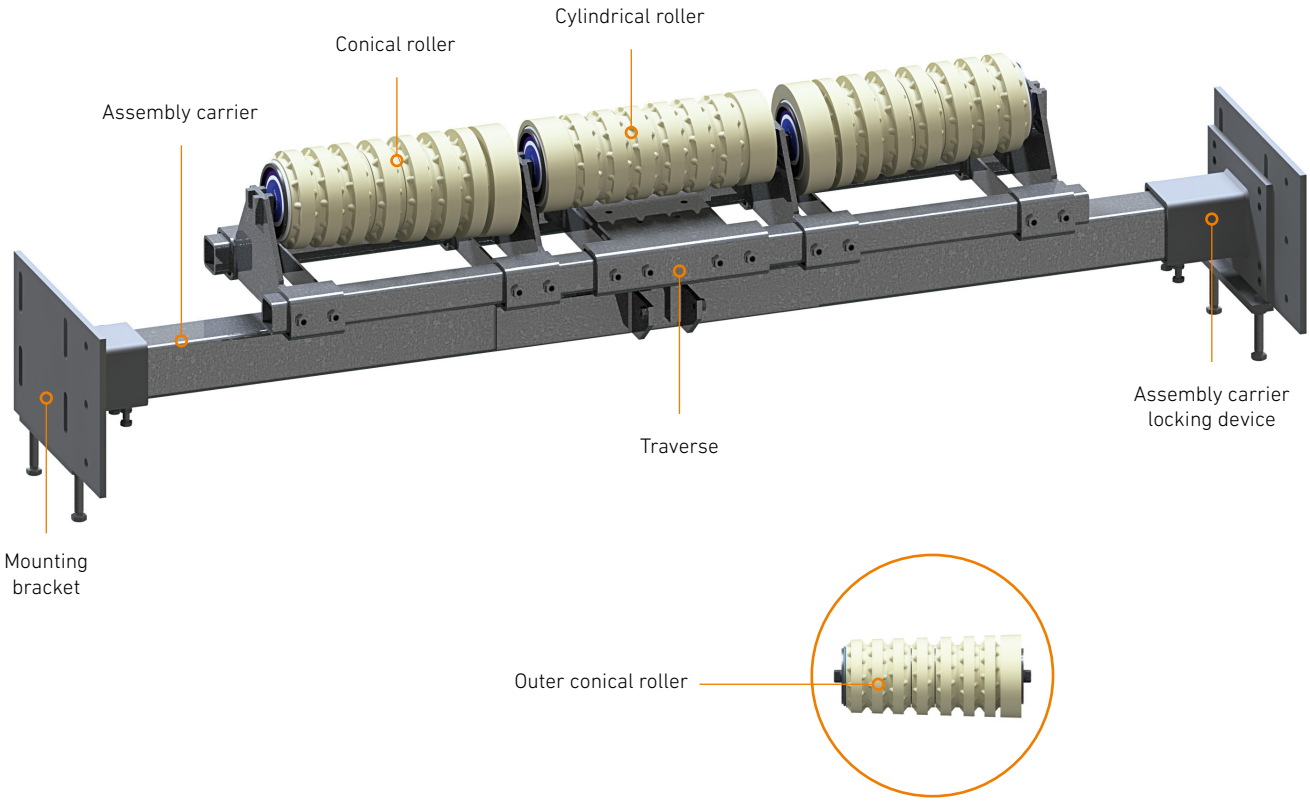
TRACKER ROLLER SYSTEMS
SERIES RRC

The **HOSCH** tracker roller system of the series RRC2/RRC3 offers the possibility, to counteract belt misalignment in the lower run, even with changing coneying direction (reversing operation), due to its special design with laterally arranged conical rollers. Due to the outer conical rollers arise on the side, to which the belt is skewed, the resulting moment is greater and the crosshead swings out. The inclined position of the crosshead in turn gives rise to friction forces, which counteract belt misalignment.

TECHNICAL DATA

Data/Type	RRC2	RRC3
Belt width (mm)	1.200 – 1.600	1.800 – 2.400
Belt speed	≤ 6 m/s	
Space requirement	560 mm (free space under the belt)	580 mm (free space under the belt)
Installation position	90° - to the lower run	
Operating mode	Normal and reversing operation	
Height adjustment	stepless, max. 80 mm	
Mounting	Mounting plates with integrated height adjustment, therefore easy mounting and alignment	
Corrosion protection	galvanized components, stainless steel fittings	
ATEX approval	Yes, in special version	

TRACKER ROLLER SYSTEMS
SERIES RRC



SPECIAL FEATURES

- Installation in the straight lower belt of the conveyor system
- special roller design for unrestricted reversing operation
- Suitable for heavy operating conditions
- Easy adaptation to the existing scaffold structure
- highly wear-resistant, antistatic and flame-retardant plastic coverings of the rollers (ATEX suitability)
- Sturdy, torsion-resistant steel construction for heavy operating conditions
- Roller crosshead with sealed roller bearings guarantees smooth and fast response to belt misalignment
- simple and fast assembly due to modular design
- High-quality, maintenance-free single rollers with special sealing and rolling bearing units

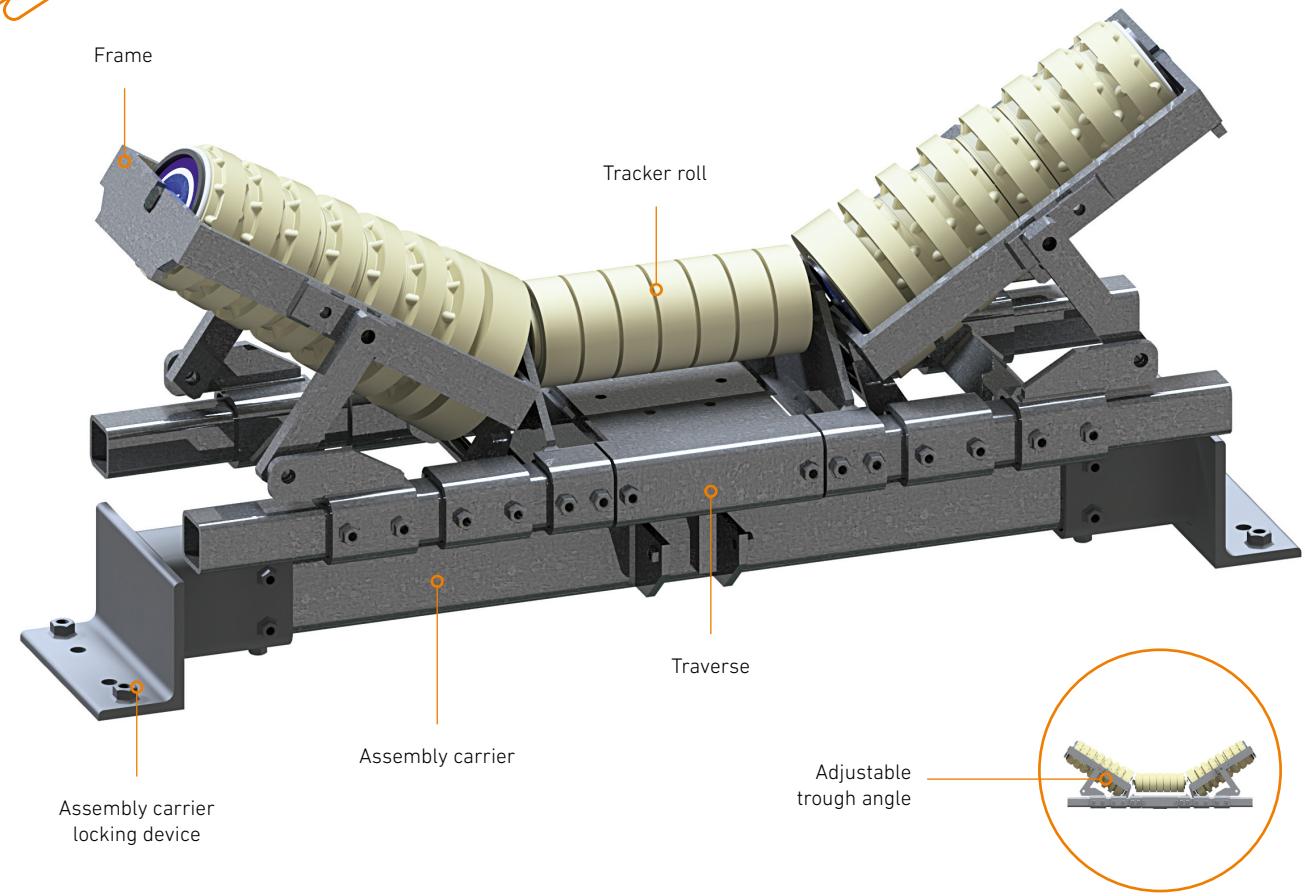
TRACKER ROLLER SYSTEMS
SERIES RRCX-V

Installed on the troughed carrying side of a conveyor belt, the **HOSCH** Tracker System Type RRC2-V/ RRC3-V achieves a lateral centric movement of the belt. It is suitable for reversible belts. To stabilize the centric belt movement by using **HOSCH** Tracking Systems means, to increase the reliability of operation, the plant availability and the life-time of the belt and mechanical components.For adaptation to the troughed belt, the inclination of the outercone rollers can be adjusted in steps from 20° to 45°. The tracker roller system can optionally be used in normal or reverse operation.

TECHNICAL DATA

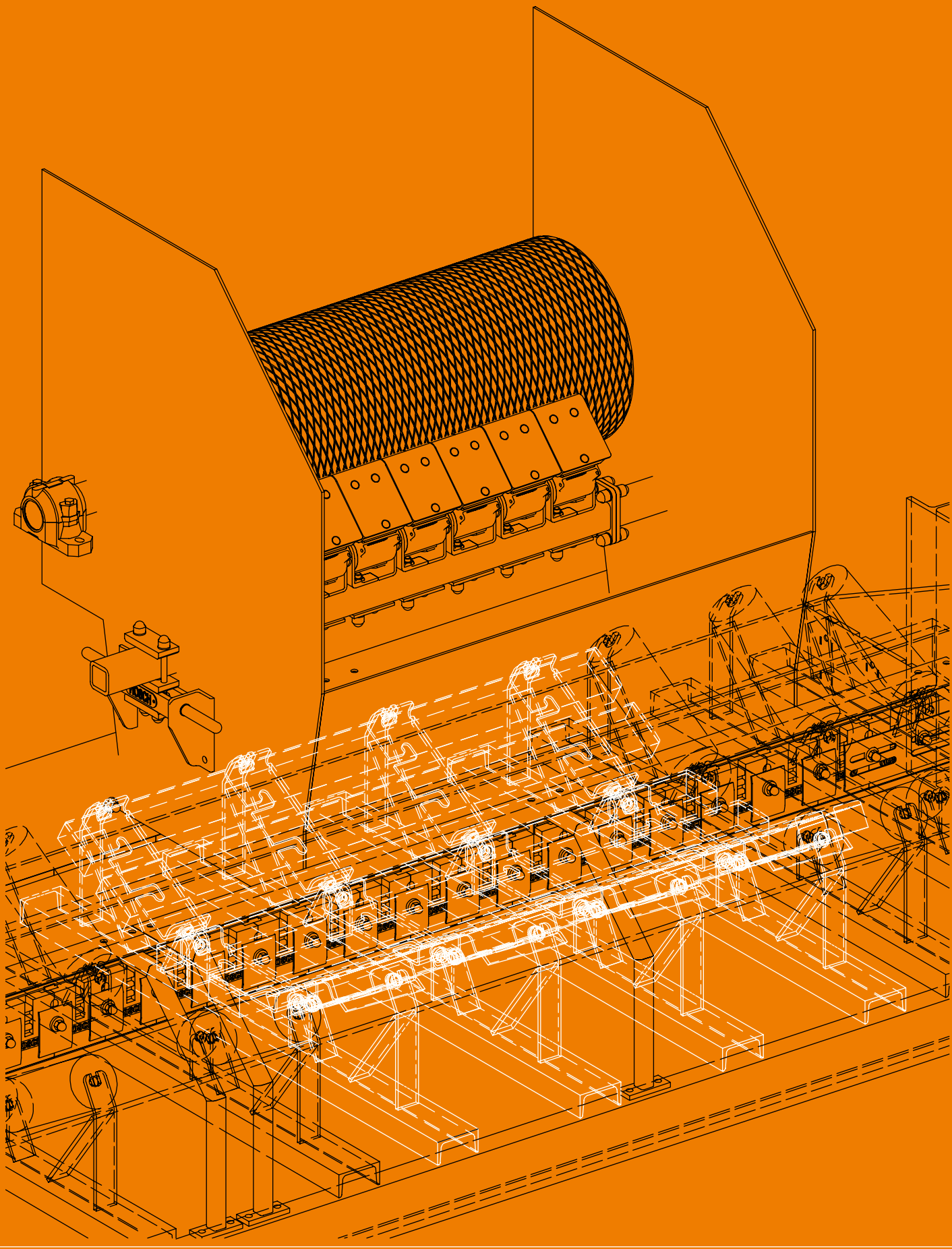
Data/Type	RRC2-V	RRC3-V
Belt width (mm)	650 – 1.400	1.600 – 2.000
Belt speed	≤ 6 m/s	
Space requirement	400 mm (free space under the belt)	420 mm (free space under the belt)
Installation position	90° - to the belt in the upper run or to the scaffold construction	
Operating mode	Normal and reversing operation	
Height adjustment	stepless, max. 80 mm	
Mounting	Mounting plates with integrated height adjustment, therefore easy mounting and alignment	
Corrosion protection	galvanized components, stainless steel fittings	
ATEX approval	Yes, in special version	

TRACKER ROLLER SYSTEMS
SERIE RRCX-V



SPECIAL FEATURES

- Installation in the trough lower belt of the conveyor system
- special roller design for unrestricted reversing operation
- Suitable for heavy operating conditions
- Easy adaptation to the existing scaffold structure
- highly wear-resistant, antistatic and flame-retardant plastic coverings of the rollers (ATEX suitability)
- Robust, torsion-resistant steel construction for heavy operating conditions
- Roller crosshead with sealed roller bearings guarantees smooth and fast response to belt misalignment
- simple and fast assembly due to modular design
- High-quality, maintenance-free single rollers with special sealing and rolling bearing units



ADDITIONS

Various additions complete the **HOSCH** product range. In the usual high **HOSCH** quality, you will receive sealing systems, impact bars and measuring systems for the economic efficiency of scraper systems.

YOUR ADVANTAGES

- Reliable side sealing within the material transfer
- Dampen the impact of the material in the transfer
- Avoid belt damage due to material impact
- Measure and compare the efficiency of different scraper systems



ADDITIONS
SEALING SYSTEM FD-X



In the area of material feeding onto a conveyor belt, plant contamination, e.g. caused by spillage, asymmetrical feeding, rebounding bulk material, dust deposits or the like, is very frequently observed. Such soiling poses a risk to personnel, the plant and the environment. With the **HOSCH** belt sealing strip system type FD, these material deposits in the feed area of a belt conveyor system can be reliably prevented.

- The **HOSCH** belt sealing strip system type FD consists of a stable segment strip on which sealing blocks lying laterally against each other are clamped.
- The sealing blocks, made of an abrasion-resistant rubber compound, can be easily aligned individually and continuously against the conveyor belt.
- The sealing edges of the blocks should rest lightly on the belt surface to achieve good effectiveness with minimal wear.
- If the sealing effect decreases due to wear, each block can be individually readjusted.
- The **HOSCH** belt sealing strip systems type FD can be arranged in any number, one behind the other, without gaps so that the entire feed area of the belt system is sealed. For this purpose, the segment strips are either screwed or welded to the construction of the feeding chute or separate brackets of the belt frame.
- Changing the blocks and adjustments require little effort. **HOSCH** offers an optionally available clamping tool for more precise and easier alignment of the blocks.
- To ensure tightness in corner areas, longer end blocks are available and must be adjusted during installation.

The **HOSCH** belt sealing strip system is available in three sizes: FD-A, FD-B and FD-C.

Type FD-A and type FD-B are designed for sealing the belt edges in the longitudinal direction, while type FD-C is used for sealing in the transverse direction of the belt. For this purpose, the sealing blocks can be precisely adjusted in height and cut to fit the belt trough.

ADDITIONS
IMPACTBARS

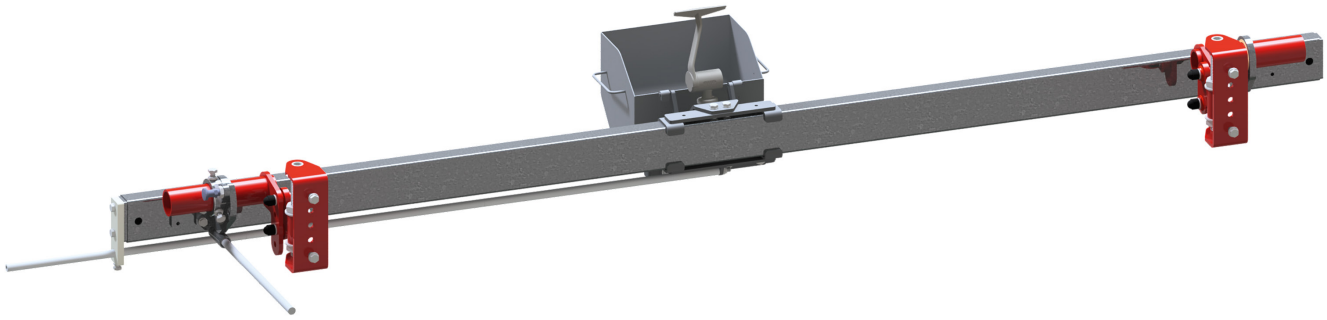


Impact bars are plastic-coated rubber elements.
- They are used in the feed area of a belt conveyor.
- They replace the idler station in the task area of a belt conveyor.
- The structure of the impact bars is able to absorb the material impact.
- The conveyor belt sag between the idler pulleys is eliminated.

Performance Features:
- Avoidance of dust emissions in combination with a **HOSCH** belt sealing strip system Type FD-x.
- Avoidance of belt damage as a result of the damping properties and the continuous support of the conveyor belt.

Our product range includes two installation variants:
1) Complete feeding station to be mounted on the belt stand.
2) Fastening using an adapter for direct replacement of the support rollers

ADDITIONS
CARRYBACK METER



Belt conveyors have a tendency to become soiled in the lower run due to material adhering to the belt (carryback). However, due to cost pressure in the bulk materials industry, conveyor operators have less and less personnel available for cleaning and maintenance work. The economic and safe operation of conveyor systems is therefore increasingly influenced by the performance of the belt cleaning equipment.

With the carryback measurement, **HOSCH** has developed a simple and practical method for determining the performance and cost-effectiveness of belt cleaning systems.

The method includes:
- a simple metrological recording of the cleaning performance of scraper systems
- a computer-aided evaluation of the measured data
- an economic efficiency analysis based on the measurement and plant data.

During a measurement, a steel spatula is placed in belt contact for a short period of time (e.g. 5 min) behind an installed cleaning device.
The cleaned material is collected in a container and then weighed.
The meassurement can be reapeded after a change to the belt cleaner system had been made. The system can be operated from the side of the conveyor. The positioning and tesnion of the carryback meter remains consistant and delviers a accuracte comaprision between two systems.
The evaluation of the test results is computer-aided by a program developed by **HOSCH**. From the system data, such as belt width, belt speed, running time per day, etc., the program determines claning effecancy, theoratical carryback amount over a year, loss of material and clean up cost.
With additional data a complete life cycle cost analys can be generated. Comparing the complete cost of removing carryback from under the conveyor system, the cost of purchasing, installing and maintaining one or several cleaning systems for one to three years of operation.
The measurements and evaluations usually require only a small amount of time and personnel and are always carried out in close cooperation with the plant operator.

HOSCH WORLDWIDE.

HOSCH International (Pty) Ltd.
Perth, Australia
T: +61 8 9315 8000
mail@hosch.com.au
www.hosch.com.au

HOSCH Austria GmbH
Vienna, Austria
T: +43 (1) 22100-222
office@hosch-austria.at
www.hosch-austria.at

HOSCH do Brasil Ltda.
Belo Horizonte, Brazil
T: +55 31 3284-8068
hosch@hosch.com.br
www.hosch.com.br

HOSCH Chile S.p.A.
Santiago, Chile
T: +56 2 3263 7520
info@hosch.cl
www.hosch-international.com

HOSCH France S.A.R.L.
Calais, France
T: +33 1 64 13 63 60
info@hosch.fr
www.hosch.fr

HOSCH Fördertechnik RE GmbH
Recklinghausen, Germany
T: +49 2361 58980
mail@hosch.de
www.hosch-international.com

HOSCH (GB) Ltd.
Thornaby, Great Britain
T: +44 1642 751 100
mail@hosch.co.uk
www.hosch.co.uk

HOSCH Equipment (India) Limited
Kolkata, India
T: +91 33 3370 0400
hosch@cal.vsnl.net.in
www.hosch-international.com

PT. HOSCH Technology Indonesia
Balikpapan, Indonesia
T: +62 542 88 616 92
indonesia@hosch-asia.com
www.hosch-asia.com

HOSCH Italia S.R.L.
Pontecagnano, Italy
T +39 089 849 052
mail@hosch.it
www.hosch.it

HOSCH Asia PLT
Puchong, Malaysia
T: +60 3 5879 9950
mail@hosch-asia.com
www.hosch-asia.com

HOSCH Perú S.A.C.
Lima, Perú
T: +51 1 422 28 67
info@hosch.pe
www.hosch-international.com

HOSCH Techniki Transportowe Polska Sp. z o.o.
Breslau, Poland
T: +48 71 321 92 21
hosch@hosch.pl
www.hosch.pl

HOSCH Russland LLC
Proezdnaya Str. 2/3., Office 23
650044 Kemerovo City, Russia
T: +7 960 914 46 77
mail@hosch.ru
www.hosch-international.com

HOSCH Fördertechnik (SA) (Pty) Ltd.
Johannesburg, South Africa
T: +27 11 826 6940
sales@hoschsa.co.za
www.hoschsa.co.za

HOSCH Maroc S.A.R.L.
Lot N 281 ZI Sud Ouest
Mohammedia, Morocco
T: +212 661 17 62 14
info@hosch.ma
www.hosch-international.com

HOSCH Iberia S.R.L.U.
Barcelona, Spain
T: +34 93 467 49 10
hosch@hosch.es
www.hosch.es

HOSCH Schweiz GmbH
Rotkreuz, Switzerland
T: +41 41 790 25 33
info@hosch-schweiz.ch
www.hosch-international.com

HOSCH COMPANY, LLLP
Pittsburgh, USA
T: +1 724 695 3002
hosch@hoschusa.com
www.hoschusa.com

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HOSCH Fördertechnik Recklinghausen GmbH
Am Stadion 36
45659 Recklinghausen

T: +49 2361 58 98 0
F: +49 2361 58 98 40

mail@hosch.de
www.hosch.de