HOSCH

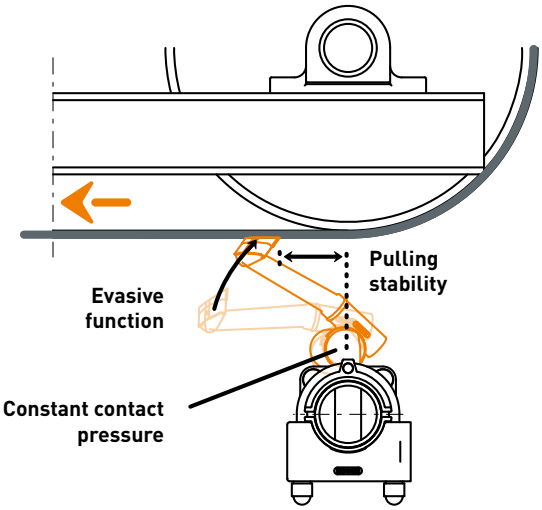
PRODUCTS
MAIN SCRAPERS

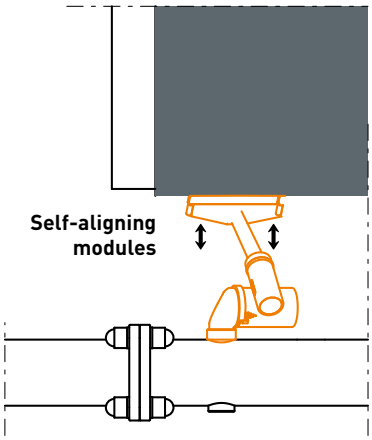
WHAT MAKES HOSCH TECHNOLOGY SO EFFICIENT?

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 and damping system and the pulling stability guarantee:
- steady and long-lasting belt contact of the scraper edge
- a flexible evasion in case of interfering edges (e.g. mechanical splices)
- the maintenance of constant contact pressure with continuous wear
- the smooth running of the scraper





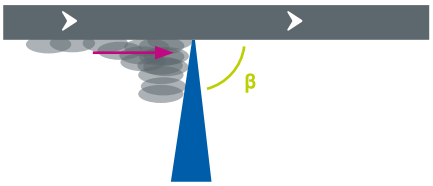
ADAPTATION TO THE BELT SURFACE

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.

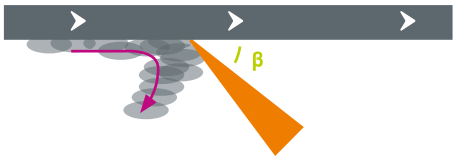
PAINT SCRAPER PRINCIPLE

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

An overlapping arrangement of the module rows avoids material drafts between the individual scraper segments. Due to its very high cleaning efficiency, HOSCH can often do without a pre-scraper.

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 splices are made possible by our modular system.

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 and 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 and 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.

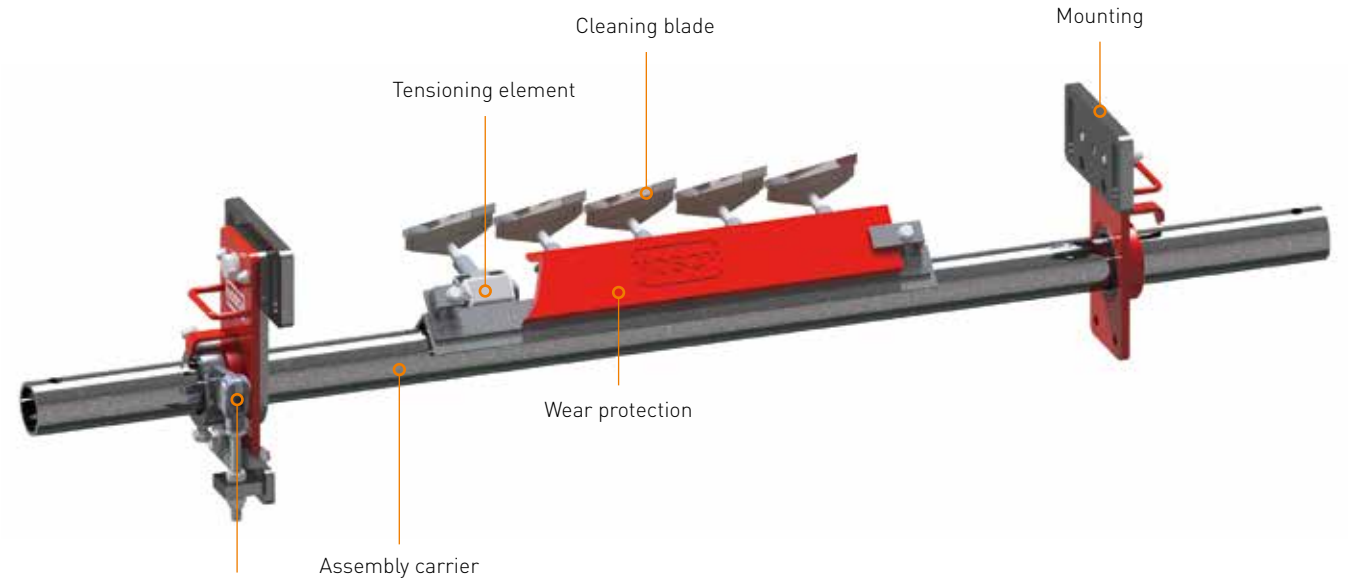
A **HOSCH** employee is always near you.
Get in contact with us, and we will come to you - no matter where you are.

OUR SERVICES FOR YOU:

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

Various options for our scrapers/pre-scrapers expand our product range. In this way we can optimally adapt your **HOSCH** scraper to your plant. Your responsible **HOSCH** engineer will be happy to advise you.

MAIN SCRAPER
TYPE A1



PLUG & SCRAPE

Tool free module change

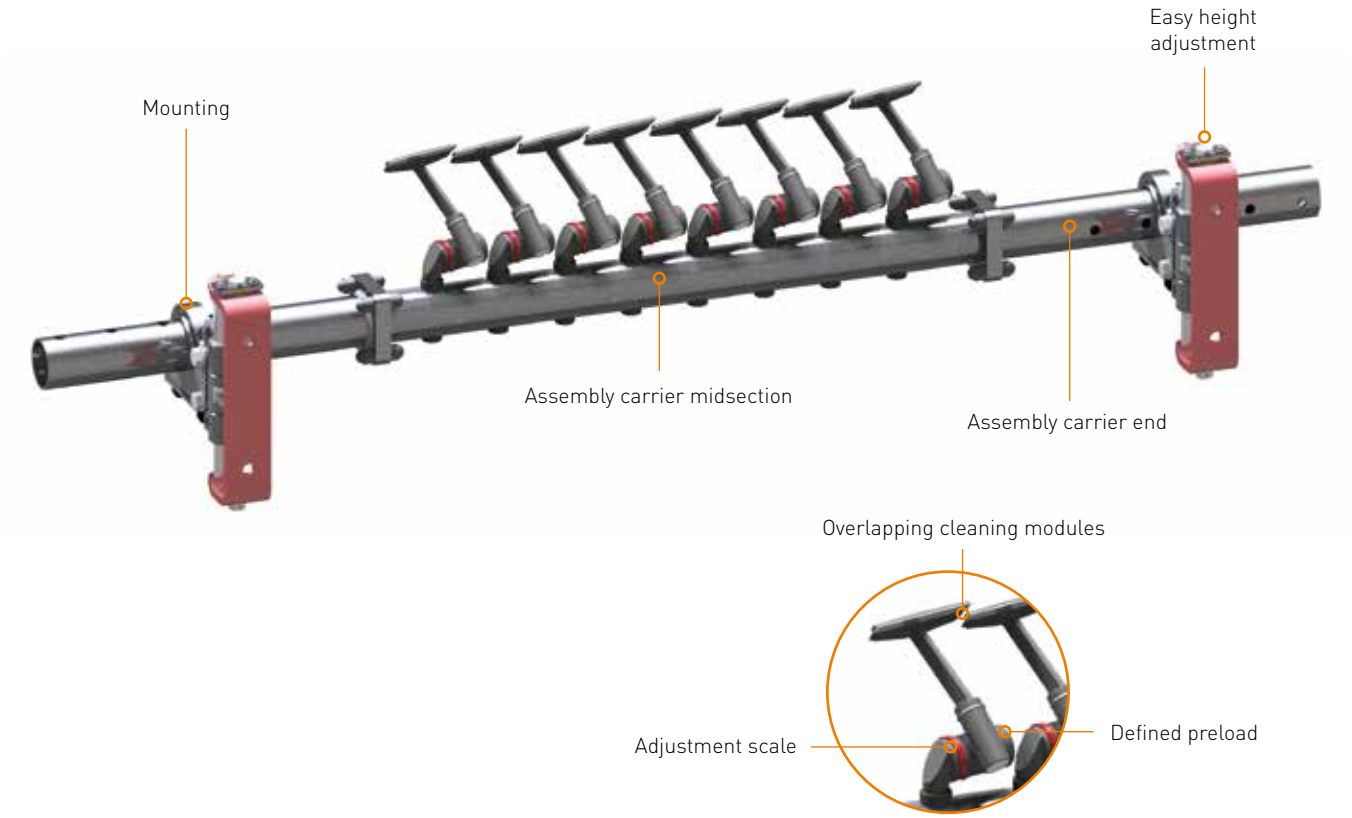
TECHNICAL DATA

Data/Type	A1
Belt width	500 – 1,200 mm
Belt speed	⩽ 3.5 m/s
Conveyor Belt	For smooth fabric and steel cord belts with vulcanised splices
Reverse operation	No
Runback	No
Installation position	In the lower belt area
Cleaning modules	Spring-loaded, carbide-tipped modules with individual evasion function
Design	Modular design

SPECIAL FEATURES

- long service life due to carbide scraper edges
- tool-free patented module change with Plug & Scrape
- fast deinstallation of assembly carrier (patent application)
- overlapping modules for gapless cleaning
- suited to smaller belts
- no tensioning is required during the complete lifespan of modules

D-SERIES
TYPE D2/D3



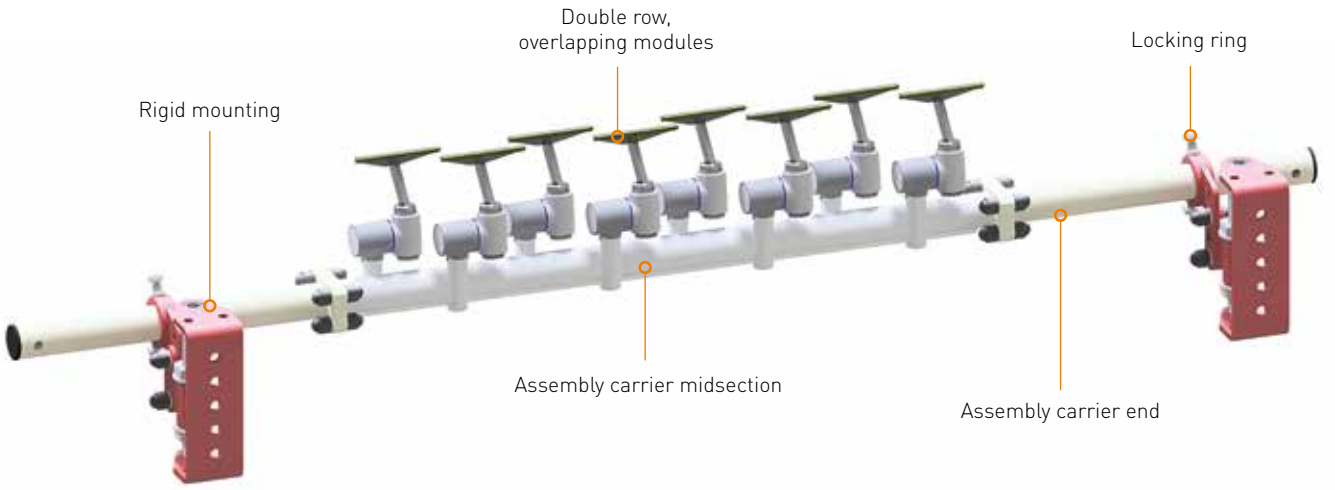
TECHNICAL DATA

Data/Type	D2	D3
Belt width	500 – 1,600 mm	1,400 – 2,000 mm
Belt speed	≤ 4.5 m/s	≤ 5.5 m/s
Conveyor belt	For smooth fabric and steel cord belts with vulcanised splices	
Reverse operation	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)	

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

C-SERIES
TYPE C1®/C1®V



Separate structure of modules

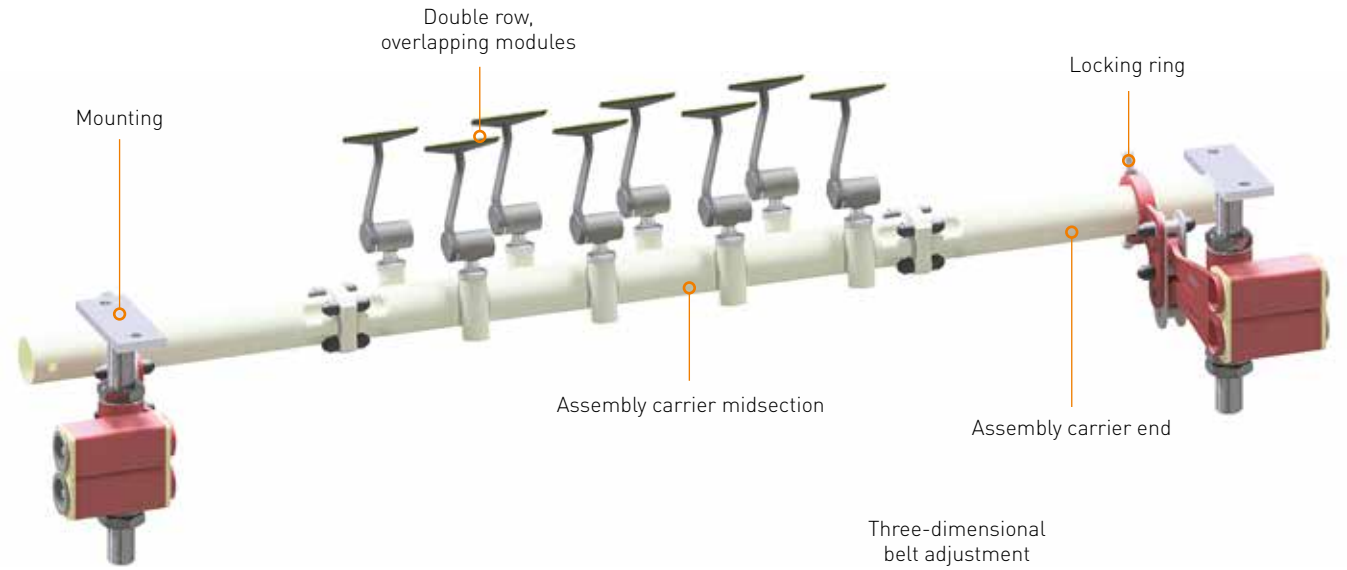
TECHNICAL DATA

Data/Type	C1®/C1®V
Belt width	300 – 1,000 mm
Belt speed	≤ 2.5 m/s
Conveyor belt	For smooth fabric or steel cord belts with vulcanised splices
Reverse operation	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
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)

SPECIAL FEATURES

- designed for all belts in the range from 300 to 1,000 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



Three-dimensional
belt adjustment

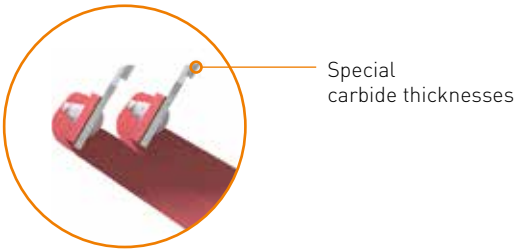
TECHNICAL DATA

Data/Type	C2	C3
Belt width	600 – 2,000 mm	1,400 – 3,200 mm
Belt speed	≤ 4.5 m/s	≤ 7.5 m/s
Conveyor belt	For smooth fabric or steel cord belts with vulcanised splices	
Reverse operation	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)	

SPECIAL FEATURES

- designed for conveyor belts in the range from 600 to 3,200 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 ensures constant belt contact
- three-dimensional adaptation of the modules to the belt surface

C-SERIES
TYPE C4



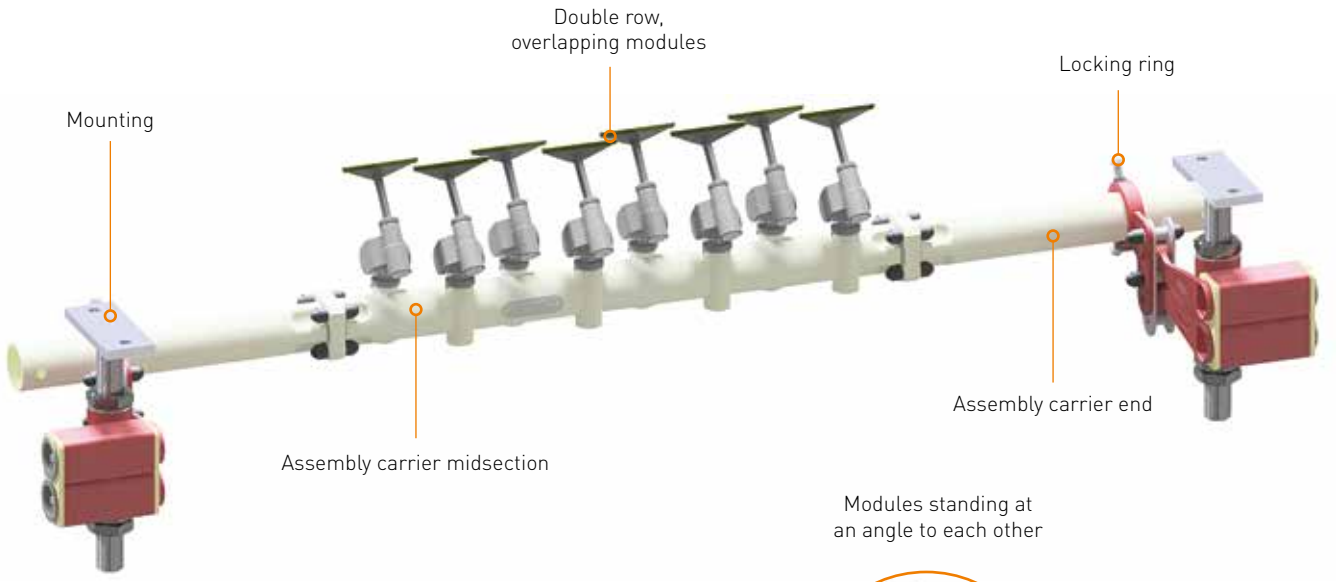
TECHNICAL DATA

Data/Type	C4
Belt width	1,400 – 3,200 mm
Belt speed	⩽ 7.5 m/s
Conveyor belt	For smooth fabric or steel cord belts with vulcanised splices
Reverse operation	Yes, in a special version (see optional accessories)
Runback	No
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)

SPECIAL FEATURES

- very robust scraper, suitable for use on wide belt conveyors with high belt speeds and 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 compensates for the strong vibration and belt forces
- sophisticated pretensioning mechanism makes the heavy-duty design user-friendly

C-SERIES
TYPE CT



Modules standing at
an angle to each other

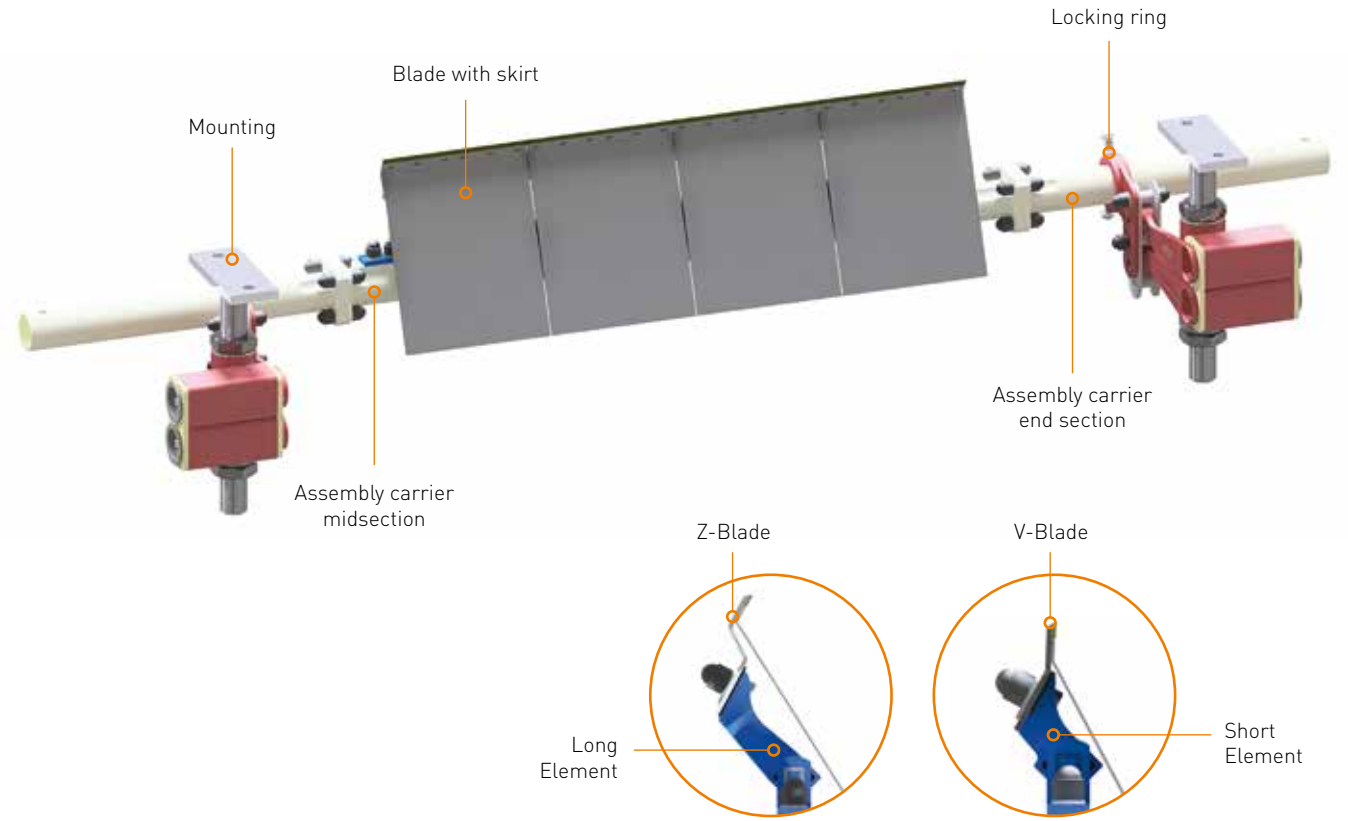
TECHNICAL DATA

Data/Type	CT
Belt width	600 – 2,000 mm
Belt speed	⩽ 3.5 m/s
Conveyor belt	For smooth fabric or steel cord belts with vulcanised splices
Reverse operation	Yes, in a special version (see optional accessories)
Runback	Yes, in a special version (see optional accessories)
Installation position	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)

SPECIAL FEATURES

- main scraper for use on the drum with the typical **HOSCH** cleaning performance
- 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

B-SERIES
TYPE B6L-C/B6-C



TECHNICAL DATA

Data/Type	B6L-C	B6-C
Belt width	400 – 800 mm	650 – 3,200 mm
Belt speed	⩽ 3.0 m/s	⩽ 6.0 m/s
Conveyor belt	For smooth fabric or steel cord belts with vulcanised splices	
Reverse operation	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 blades	Spring-loaded, carbide-tipped blades with individual evasive function	
Design	Modular design, can be flexibly adapted to the installation situation (see optional accessories)	

SPECIAL FEATURES

- different cleaning 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 available 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

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