



PRODUCTS
PRE-SCRAPERS

PRE-SCRAPERS

HD-PU-S-SERIES

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 extended maintenance intervals.

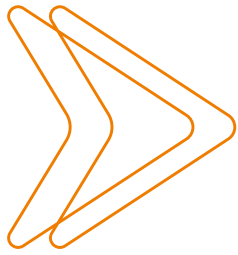
A scraper of the HD-PU-S-Series offers you:

- 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.

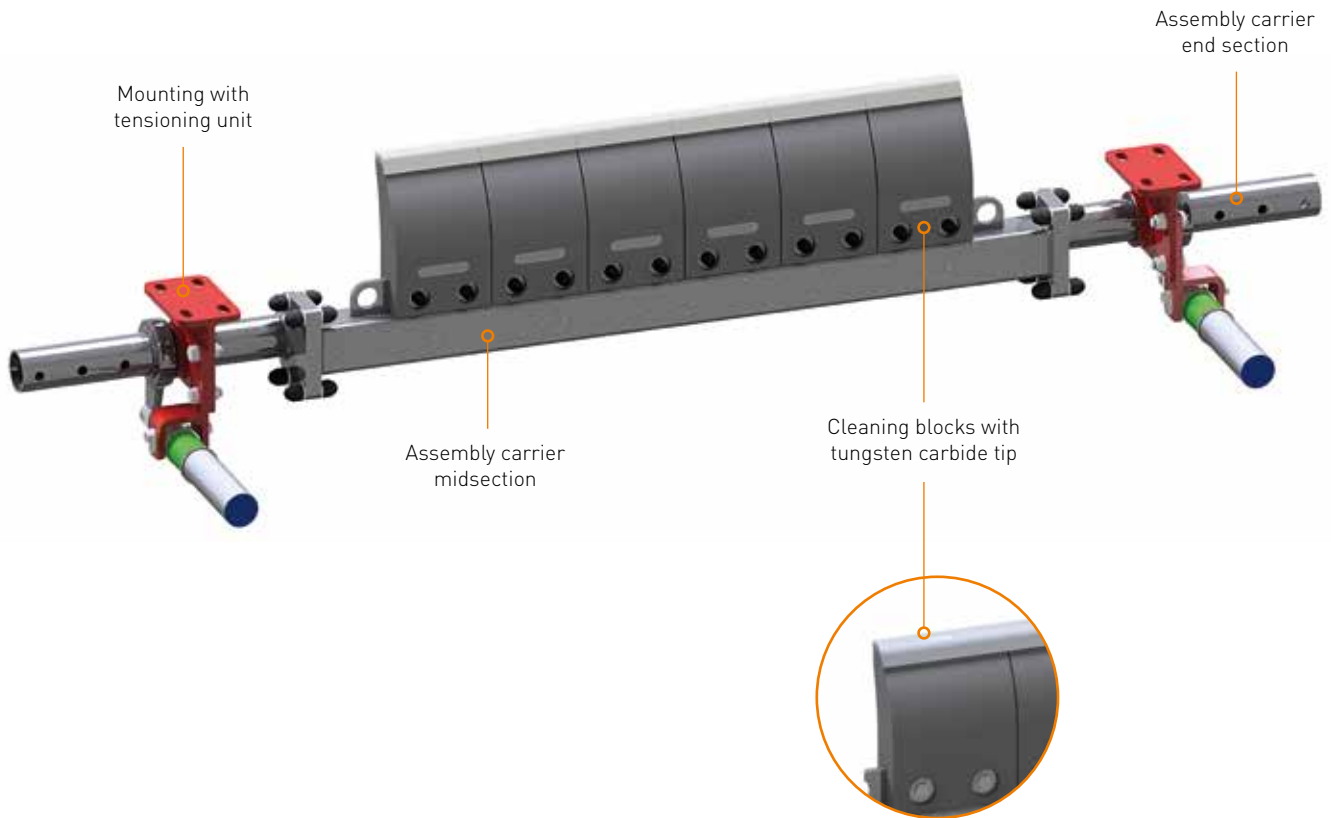
► TECHNICAL DATA

Data/Type	HD-PU-S1	HD-PU-S2	HD-PU-S3
Belt width	500 – 1,600 mm	1,000 – 1,600 mm	1,800 – 2,400 mm
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		
Cleaning blocks	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 and compact design
- simple handling during installation and maintenance
- integrated offset profiles serve to improve the evasive movement (lever arm)

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.

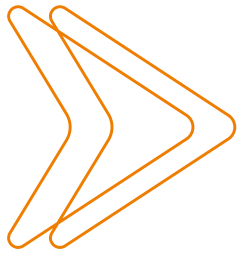
It was designed to relieve the main scrapers and is mainly used for cohesive materials.

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

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

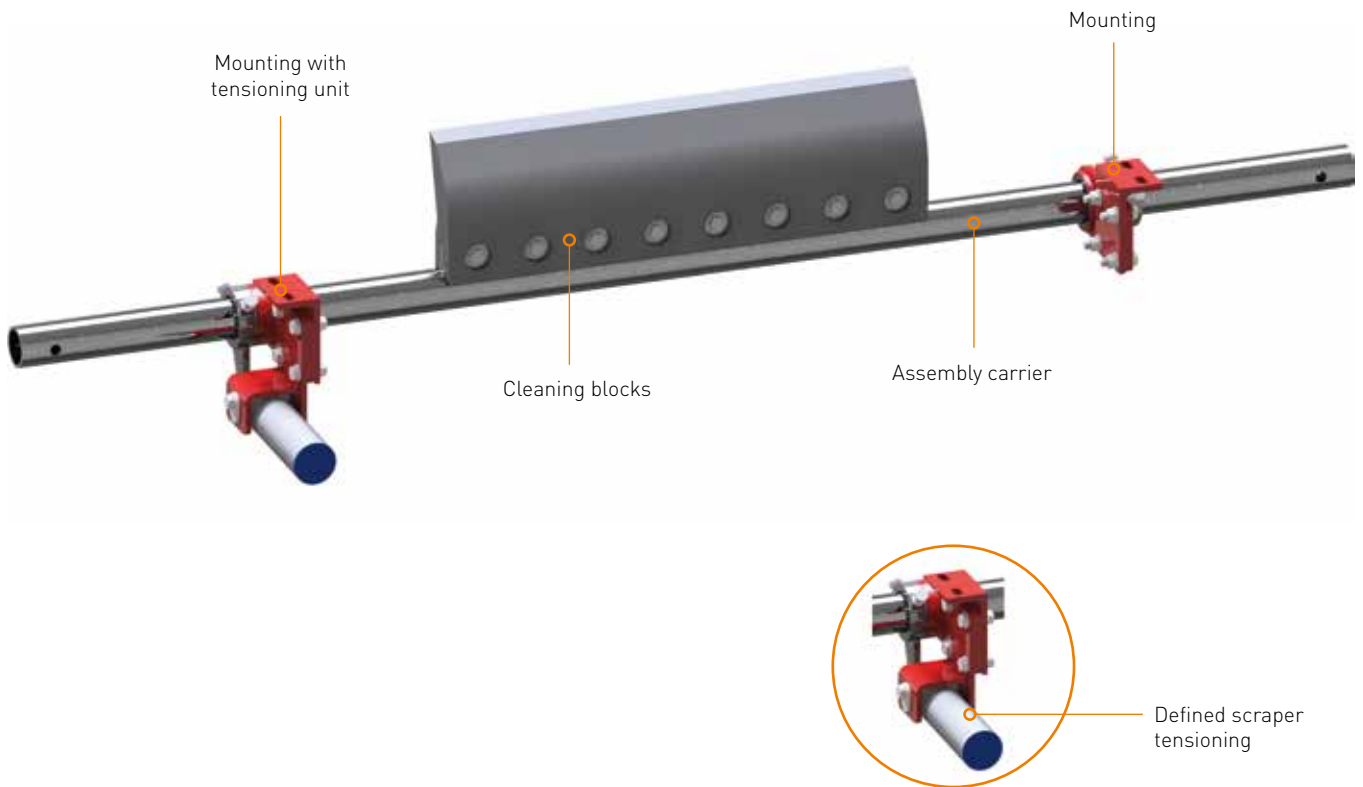
► TECHNICAL DATA

Data/Type	HD-PU-L	HD-PU-L2
Belt width	600 – 2,400 mm	1,600 – 3,200 mm
Belt speed	≤ 5.5 m/s; with mechanical belt splices ≤ 2.5 m/s	≤ 7.5 m/s; with mechanical belt splices ≤ 2.5 m/s
Conveyor belt	For smooth fabric and steel cord belts with vulcanised and mechanical splices. Recommended hardness > 60 Shore-A	
Reverse operation	Yes	
Runback	Yes	
Installation position	On the drum between the 3 and 4 o'clock position	
Cleaning blocks	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 adjustment 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

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

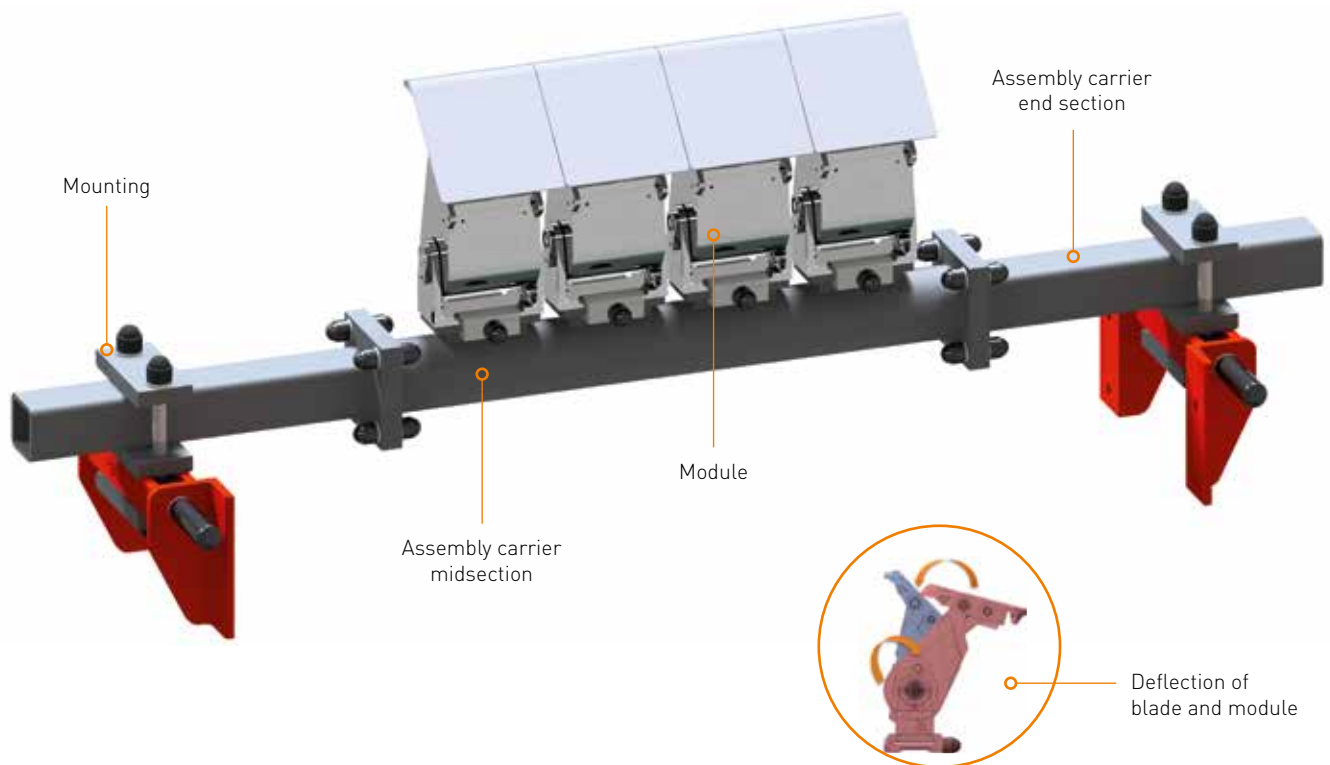
Data/Type	HD01®	HD02®	HD03®	HD04®
Belt width	500 – 1,000 mm	1,000 – 1,600 mm	1,800 – 2,400 mm	1,800 – 3,200 mm
Belt speed	≤ 2.5 m/s	≤ 4.5 m/s	≤ 4.5 m/s	≤ 7.5 m/s
Conveyor belt	For smooth fabric and steel cord belts with vulcanised splices.			
Reverse operation	Yes			
Runback	Yes			
Installation position	On the drum in the 3 o'clock position			
Cleaning modules	Spring-loaded individual modules with individual wear tracking and evasive function. Separately replaceable, carbide-tipped blades.			
Design	Modular design, can be flexibly adapted to the installation situation (see optional accessories)			

HD01®/02®/03®/04® is a trademark of **HOSCH** Fördertechnik GmbH, registered in Germany.



HD0x-SERIES

TYPE HD01[®] – HD04[®]



► SPECIAL FEATURES

- double deflection function of blades and modules (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
- mounting with a horizontal adjustment option
- time-saving maintenance due to simple fastening of modules and blades

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 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



HOSCH Fördertechnik Recklinghausen GmbH
Am Stadion 36
45659 Recklinghausen
Germany

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

mail@hosch.de
www.hosch-international.com



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.