

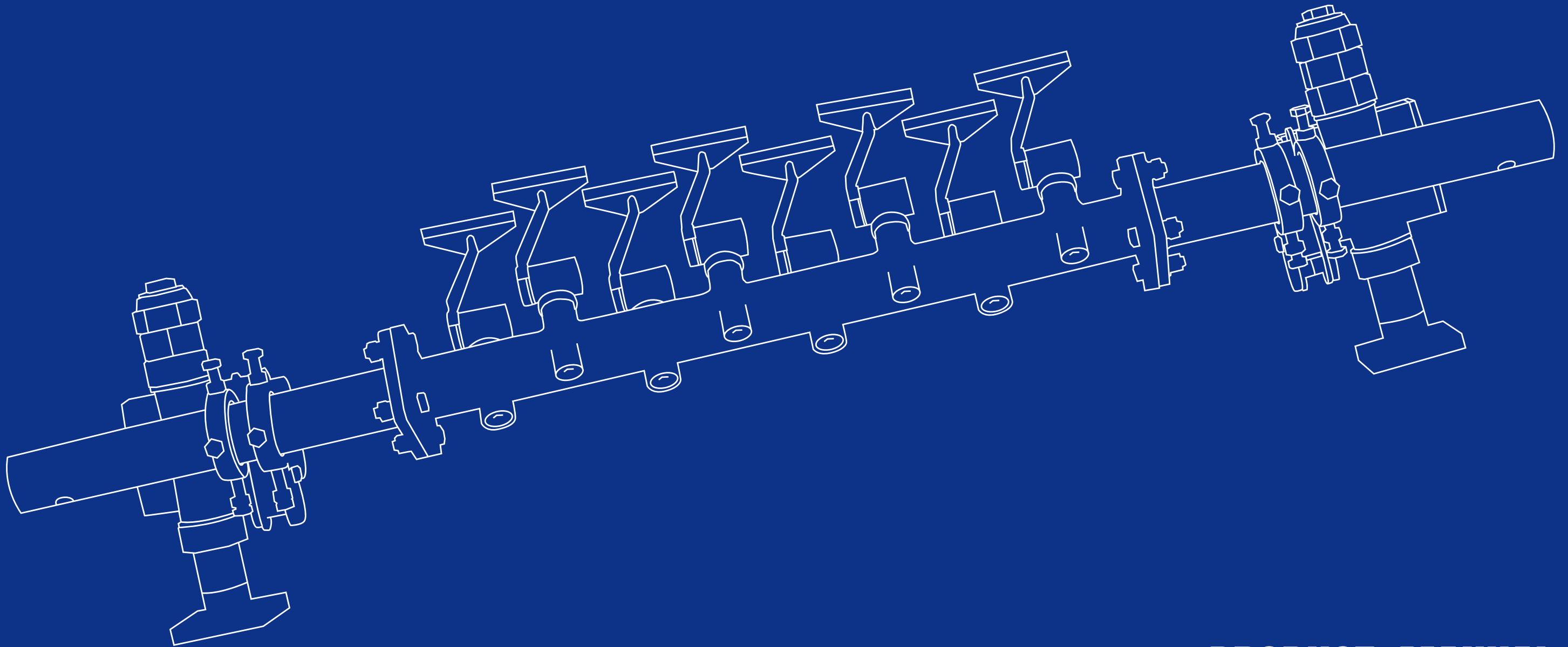
HANPENG MATERIAL RUBBER INDUSTRY (LIAONING) CO., LTD.

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PRODUCT MANUAL

GLOBAL OEM SOLUTIONS: TAKING OUR EXPERTISE WORLDWIDE

Hanpeng Material Rubber Industry (Liaoning) Co., Ltd., a leading Chinese manufacturer, specializes in conveyor belt maintenance, repair, and accessory production for material handling systems, equipment, and applications requiring wear resistance and corrosion protection.

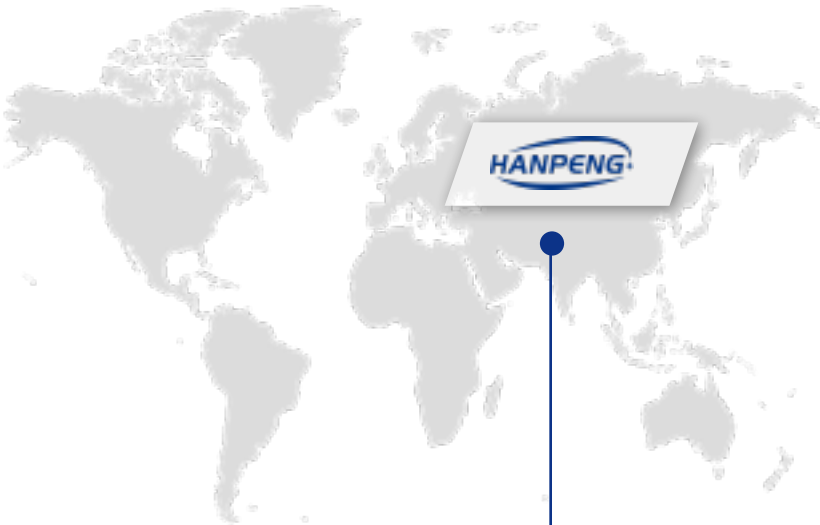
The main products are rubber pulley lagging, ceramic pulley lagging, ceramic liner pads, conveyor belt repair strips & patches, impact beds & bars, conveyor belt scraper, conveyor belt tracking system, conveyor belt rollers, rubber adhesive, etc.

We have an experienced and professional Research and Development team with years of engagement in the chemical industry. Additionally, the company has established technical partnerships with several research institutes and universities, conducting extensive exchanges and cooperation in practical chemical applications and analytical work. Our high-performance, reliable products and engineering solutions reduce transportation system maintenance costs and significantly extend service life. These solutions are widely used in industries including mining, cement, power generation, metallurgy, ports, machinery, petrochemicals, and building materials.



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COLD SPLICING & REPAIR MATERIAL

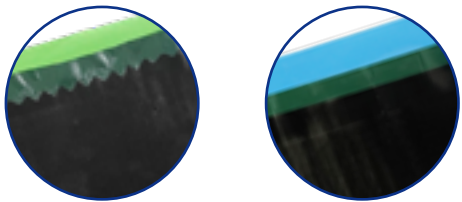
- 1.Repair Strip
- 2.Rhomboid Patches
- 3.Adhesives and Rubber Solutions
- 4.Cleaning Fluid
- 5.Quick Repair Two-Component Glue
- 6.Rubber Repair Resin
- 7.T2 Extruder Gun



REPAIR STRIP

HP001

Repair strip
Fabric reinforced repair strip



PRODUCT FEATURES

Flexible and leak - proof.
Wear - resistant, anti-static, waterproof, self-extinguishing, and with moderate oil resistance.
Equipped with a CN bonding layer on one side, designed for repairing damaged belt covers.

TECHNICAL PARAMETERS

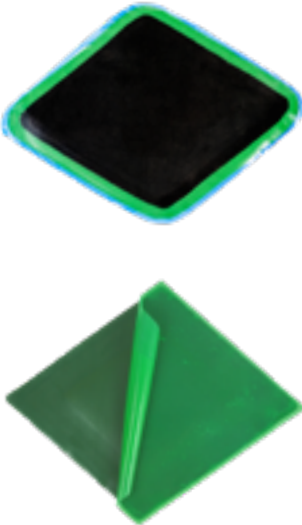
Polymer basis	NR/SBR/BR
Hardness	62+5 Shore A
DIN wear	≤ 110mm ³
Tensile strength	≥ 15Mpa
Elongation at break	≥ 500%
Adhesion performance	2 hours peel strength ≥ 4 N/mm 24 hours peel strength ≥ 9 N/mm

SPECIFICATION

DESIGNATION	DIMENSIONS (T×W×L)MM	PACKAGE
Repair strip	2.2×100×10000 mm	1 roll /carton
Repair strip	3.2×150×10000 mm	1 roll /carton
Repair strip	3.2×220×10000 mm	1 roll /carton
Repair strip	3.4×300×10000 mm	1 roll /carton
Repair strip	3.4×400×10000 mm	1 roll /carton
Repair strip fabric reinforced	3.6×100×10000 mm+	1 roll /carton
Repair strip fabric reinforced	4.6×150×10000 mm+	1 roll /carton
Repair strip fabric reinforced	4.6×220×10000 mm+	1 roll /carton
Repair strip fabric reinforced	4.8 ×300×10000 mm+	1 roll /carton
Repair strip fabric reinforced	4.8×400×10000 mm+	1 roll /carton



REPAIR PATCHES
WITH CN BONDING LAYER ON BACKSIDE
HP-002



CEMENT HP-2000



PROPERTIES

- Excellent initial bonding strength & high-strength bonds.
- Wide material compatibility.
- Proven quality, easy to apply.
- Cost-effective consumption.
- Complements HANPENG wear protection/repair systems (with CN bonding layer).
- Good resistance to water, acids & alkalis.

AREA OF APPLICATION

- Cold splicing & repairs of fabric-reinforced conveyor belts.
- Bonding of rubber components and linings.
- Bonding of elastomer laggings for drive pulleys.

HANPENG CEMENT HP2000, used with HARDENER HP-30, is a trichloroethylene-free two-component adhesive. It delivers excellent adhesion and superior dynamic load resistance, suitable for durable rubber-rubber, rubber-fabric, rubber-metal and fabric-fabric bonds—ideal for wear/corrosion protection and conveyor belt applications.

DESIGNATION	NO.	CONTENT	QTY/CARTON
Cement HP2000	Green	1kg	10 tins/carton
Hardener HP-30	Brown	30g	10 tins/carton

CLEANING FLUID HP-SCL



PROPERTIES

- Exceptional oil and grease dissolving capability.
- Economical in consumption.
- Multi-functional environmental cleaning solution, non-flammable.

AREA OF APPLICATION

- Hanpeng Cleaning Fluid is universally suitable for removing oil and grease from surfaces. It also effectively cleans used brushes, including those used with CHC-free adhesive systems, primers, as well as vulcanizing and heating solutions.

Hanpeng Cleaning Fluid delivers clean surfaces—free from dust, oil, and grease—for all types of bonding or coating applications. It has been proven highly effective in cleaning metal surfaces, especially after blasting or grinding processes.

DESIGNATION	NO.	CONTENT	QTY/CARTON
Cleaning fluid	HP-SCL	3500ml	5 tins/carton
Cleaning fluid	HP-SCL	700ml	10 tins/carton

TWO-COMPONENT GLUE HP-808



PROPERTIES

- Short curing time.
- Excellent adhesion to rubber surfaces.
- Nominal hardness of 60 Shore A.
- High elasticity.
- A specially developed solvent-free two-component adhesive.

AREA OF APPLICATION

- Repair of damaged belt covers.
- Temporary repair of perforations.
- For filling gaps and joints in rubber linings and rubber coatings.
- For filling V-shaped gaps in pulley rubber coatings.

It's a specially developed solvent-free two-component polyurethane repair paste for quick, easy temporary repair of conveyor belt or rubber component damage, keeping your plant running.

DESIGNATION	STYLE NO.	CONTENT	QTY/SET
Glue	HP-808	400ml	HP-808×1, Caulking Gun×1, Mixing Nozzle×1

RUBBER REPAIR RESIN HP-RR



HANPENG Conveyor Belt Rubber Repair Resin is a two-part resin for quick, easy horizontal conveyor belt and rubber component repairs like holes, tears, and joints.

PROPERTIES

- Enables rapid repair with minimal downtime.
- Creates a smooth and operational surface finish.
- Safe, stable, and eco-friendly.

AREA OF APPLICATION

- Repair of holes and punctures.
- Repair of L-shaped and transverse tears.
- Repair of rubber surface abrasions.
- Repair of edge fraying and defects.
- Joint sealing and preventive maintenance.

SPECIFICATION	QTY/CARTON
150g/bag	50 bags/carton
300g/bag	50 bags/carton
500g/bag	50 bags/carton

T2 EXTRUDER GUN



T2 EXTRUDER GUN



SOLUTION T2-A



SOLUTION T2-B



RUBBER T2-C



RUBBER T2-D



RUBBER T2-E CL



T2 EXTRUDER GUN

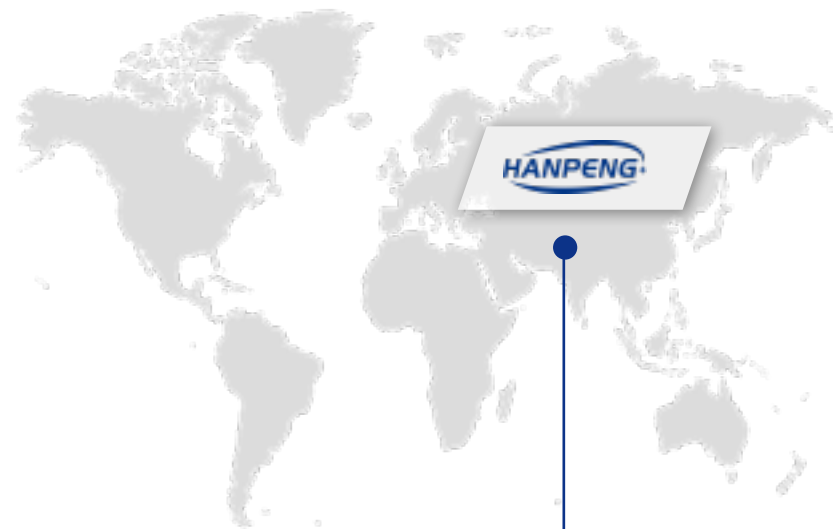
PROPERTIES

- Easy and fast to apply.
- No need for special heavy tools or machinery.
- Simple to operate.
- Very light and portable for on-site use.
- Enables quick return to service for plants and equipment (no waiting time after repair).
- Reduces downtime, increasing plant availability.
- Cost-effective repair method.

AREA OF APPLICATION

- For repairing damages in belt covers or longitudinal tears.
- For gasket maintenance.
- For filling gaps and joints in rubber lining and lagging.
- For filling V-shaped gaps in pulley lagging.

DESIGNATION	STYLE NO.	CONTENT	QTY/CARTON
T2 Adhesive A	HP-T2A	1kg	10 tins/carton
T2 Adhesive B	HP-T2B	1kg	10 tins/carton
T2 Composite Adhesive Strip C	HP-T2C	2kg	5 rolls/box
T2 Composite Adhesive Strip D	HP-T2D	2kg	5 rolls/box
T2 Cleaning Adhesive Strip E CL	HP-T2ECL	1kg	5 rolls/box
T2 EXTRUDER	HP-T2G	10kg	1 T2/box



HOT SPLICING & REPAIR MATERIAL

1. Mechanical Flexible Screw Splice
2. Hot Splicing Materials
 - a. Intermediate Rubber-Uncured
 - b. Cover Rubber-Uncured
 - c. Hot Vulcanizing Cement



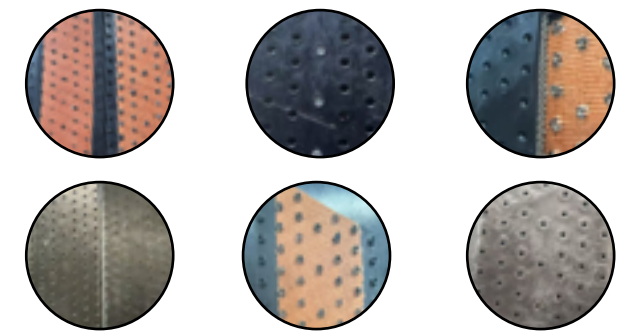
MECHANICAL FLEXIBLE SCREW SPLICE

HP-SS

Innovative Solution for Rapid Conveyor Belt Splicing

HANPENG Flexible Screw Splice is a high-strength, flexible rubber splice designed for direct screw-on installation on conveyor belts—delivering exceptional accuracy and precision with every use.

We're proud to introduce our Flexible Screw Splice: a revolutionary conveyor belt splicing and fastening system that combines robust power, reliable strength, and adaptable flexibility. Engineered to prioritize both precision and speed, it cuts down on installation time and reduces long-term costs, making it a cost-effective investment for your operations.



AREA OF APPLICATION

- Tailored for conveyor belt splicing and fastening in diverse industrial scenarios.
- Conveyor systems operating in extreme temperature environments (from -40° C to 180° C), suitable for both high-heat and low-temperature working conditions.
- Operations requiring compatibility with belt scrapers and all belt cleaning systems, ensuring seamless integration without disrupting existing equipment.
Projects prioritizing cost efficiency, quick maintenance, and no reliance on specialized installation tools or professional skills.

PRODUCT FEATURES

- Efficient Installation: Quick and easy to assemble, with no specialized skills or expensive equipment required. It eliminates the need for drilling or templates, significantly reducing installation time.
- Easy-to-Install Design: Screws and washers are pre-embedded in rubber, seamlessly fitting into the conveyor belt's top cover to avoid surface roughness. The specially engineered self-drilling, self-tapping screws separate belt fibers without cutting them, simplifying the installation process.
- Superior Durability: Boasts wear-resistant, cut-resistant, and leak-proof properties (via specially designed inserts); delivers high tensile strength (backed by a patented textile carcass) while maintaining flexibility to adapt to conveyor belt movement.
- Flexible Supply: Available in custom kits (per required belt width) or full-length rolls, ensuring perfect integration with different belt covers.
- Projects prioritizing cost efficiency, quick maintenance, and no reliance on specialized installation tools or professional skills.

HOT SPLICING MATERIALS

COVER RUBBER UNCURED
INTERMEDIATE RUBBER UNCURED



TECHNICAL PARAMETERS

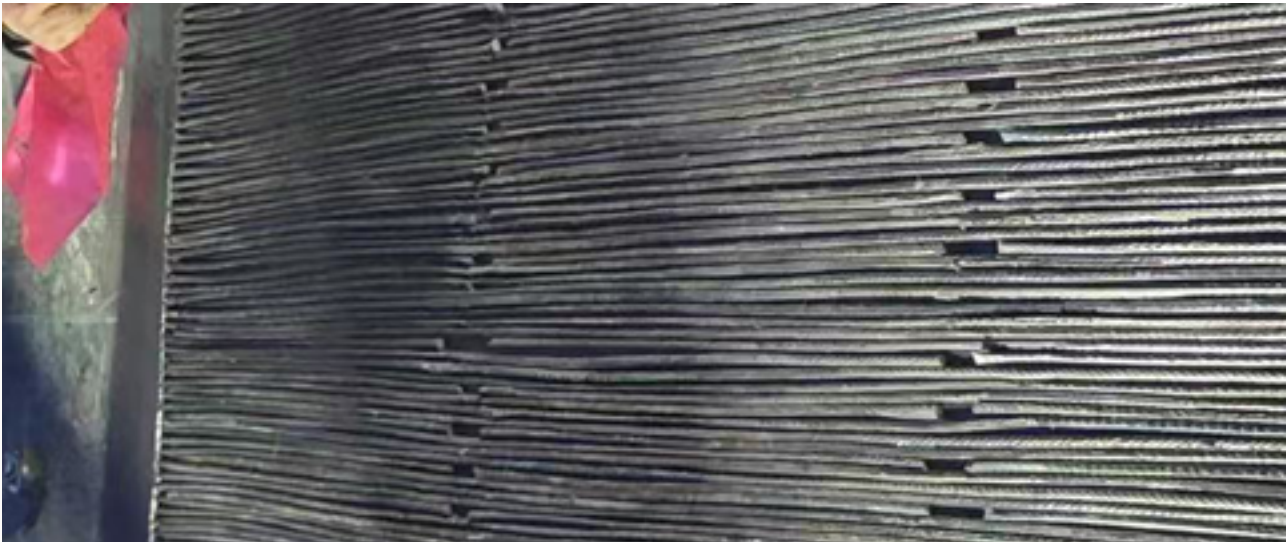
- Polymer basis : IR/BR
- Specific weight : 1.12g/cm³
- Hardness : 63 Shore A
- Colour : Black
- DIN wear : ≤ 140mm³
- Tensile strength : ≥ 18Mpa
- Elongation at break : ≥ 400%
- Electric resistance : Antistatic

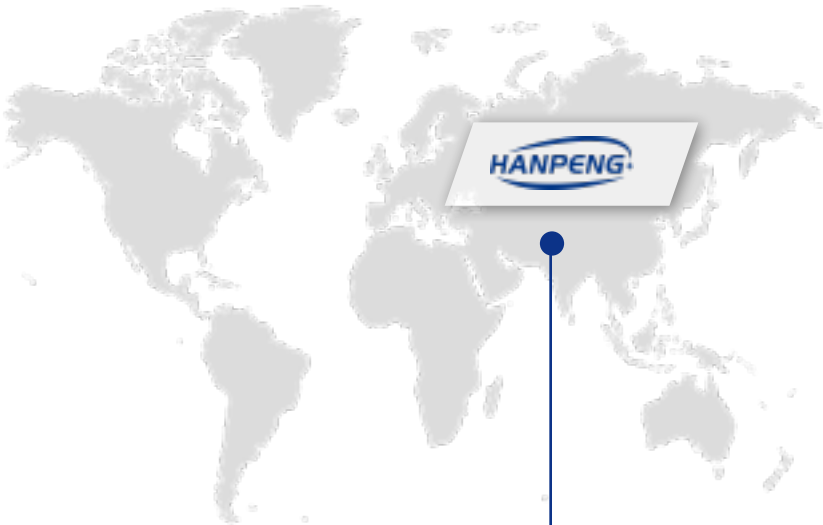
DESIGNATION	DESIGNATION(T×W×L MM)	WEIGHT
Cover rubber - uncured	5×500×3500±100 mm	10 kg/roll
Cover rubber - uncured	3×500×5800±100 mm	10 kg/roll
Cover rubber - uncured	4×500×4400±100 mm	10 kg/roll
Intermediate rubber - uncured	2×500×7800±100 mm	10 kg/roll
Intermediate rubber - uncured	0.8×500×15300±100 mm	10 kg/roll
Hot Vulcanizing Cement (HP-RF)	1 kg	10 bottles/box
Hot Vulcanizing Cement (HP-RF)	6 kg	4 bottles/box

HOT SPLICING MATERIALS

PRODUCT FEATURES

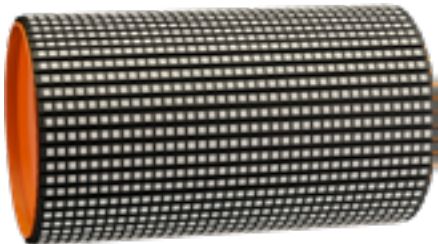
- Good fluidity, and the joint has strong tensile force.
- Shelf life up to 24 months, with good stability.
- There are many specifications for the thickness of the surface adhesive, and the thickness can be freely matched during jointing.
- Does not contain recycled rubber, with high-quality formula materials.
- Both size and thickness can be customized.





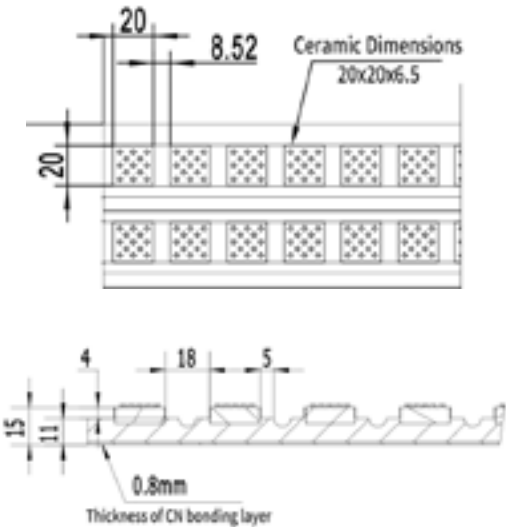
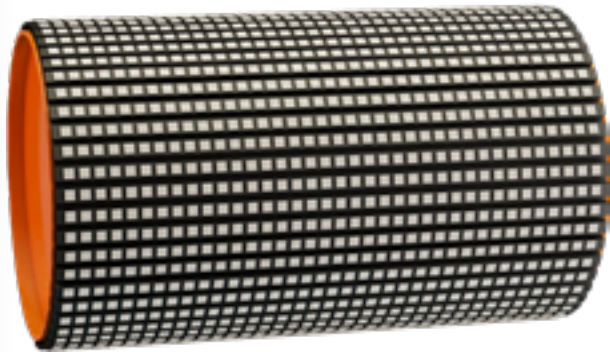
PULLEY LAGGING

- 1.Ceramic Pulley Lagging
- 2.Diamond Rubber Pulley Lagging
- 3.Plain Rubber Pulley Lagging
- 4.CN Filler Rubber
- 5.Metal Primer



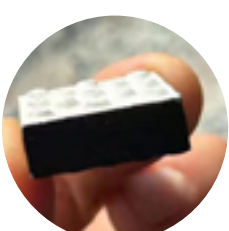
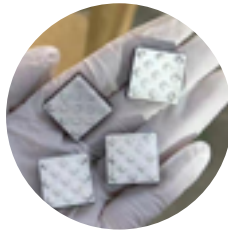
CERAMIC PULLEY LAGGING

HP-N95



PRODUCT FEATURES

- Excellent performance in extreme and various working conditions, such as handling wet, sticky, muddy, and abrasive materials, meeting diverse on-site needs.
- 45% ceramic coverage provides a larger contact area between the conveyor belt and the ceramic surface.
- The circular convex design of the ceramic sheet enhances the friction between the conveyor belt and the pulley. It improves system stability and extends the service life of the conveyor belt and pulley.
- Our ceramic block undergoes a two-step spraying process to ensure excellent integration with rubber. After heating by a vulcanizing machine, it can be firmly bonded to rubber. Our ceramic lagging has undergone numerous tests and improvements.



DESIGNATION	STYLE NO.	SIZE	CERAMIC AREA
Ceramic pulley lagging	HP-N95	15×500×1050 mm	881 mm
Ceramic pulley lagging	HP-N95	15×500×1250 mm	1088 mm
Ceramic pulley lagging	HP-N95	15×500×1500 mm	1205 mm
Ceramic pulley lagging	HP-N95	15×500×1650 mm	1474 mm
Ceramic pulley lagging	HP-N95	15×500×1900 mm	1650 mm
Ceramic pulley lagging	HP-N95	15×500×2050 mm	1829 mm
Ceramic pulley lagging	HP-N95	15×500×2250 mm	2004 mm
Ceramic pulley lagging	HP-N95	15×500×2500 mm	2095 mm

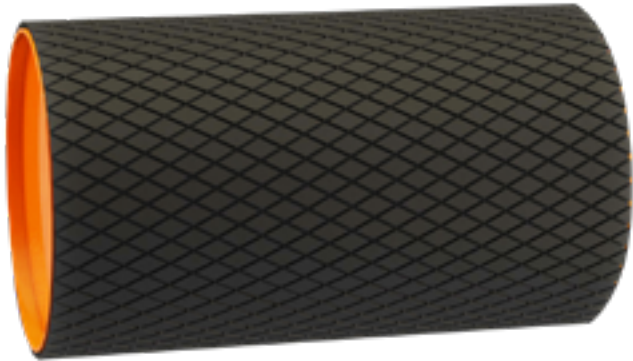
- The Ceramic Pulley Lagging is available in thickness options of 12, 15, 20, 25 mm.

DIAMOND RUBBER PULLEY LAGGING

HP-N70

PROPERTIES

- Excellent wear-resistance.
- Reduces slippage between belt and pulley.
- Improves and stabilizes coefficient of friction.
- Protects the pulley against wear and corrosion.
- Prevents material build-up.
- CN bonding layer provides fast and good adhesion.



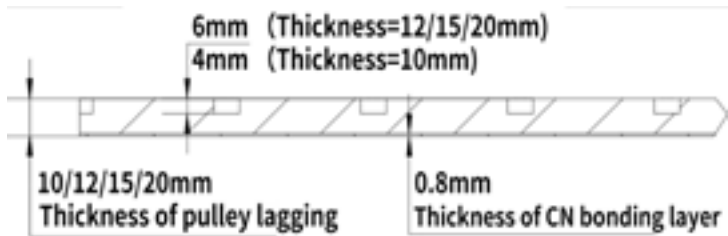
PRODUCT FEATURES

- The universal lagging with high wear-resistance.
- Self-extinguishing and antistatic.
- It has been designed for a variety of wet or dry applications and can be universally applied as a lagging for drive pulleys for low to medium-loaded fabric belts.
- It offers a diamond-surface for wear-resistance.
- Pulley lagging with diamond pattern and additional longitudinal grooves is used on a global scale.
- Strips can be easily cut to size at the workshop or on-site to fit any required pulley width. It is a great alternative to lagging currently available in the market.



TECHNICAL PARAMETERS

- Polymer basis: BR/IR/SBR
- Specific weight: 1.13 g/cm³
- Hardness: 63±3 Shore A
- Tensile strength: ≥ 23 N/mm²
- Elongation at break: ≥ 540%
- Abrasion: 120±3 mm³
- Colour: Black



DESIGNATION	STYLE NO.	SIZE	WEIGHT PER UNIT AREA
Diamond rubber pulley lagging	HP-N70	10×2000×10000 mm	13 kg/m ²
Diamond rubber pulley lagging	HP-N70	12×2000×10000 mm	14.8 kg/m ²
Diamond rubber pulley lagging	HP-N70	15×2000×10000 mm	19 kg/m ²
Diamond rubber pulley lagging	HP-N70	20×2000×10000 mm	25 kg/m ²
Diamond rubber pulley lagging	HP-N70	25×2000×10000 mm	27.5 kg/m ²

PLAIN RUBBER PULLEY LAGGING

HP-N65

PRODUCT FEATURES

- Plain rubber pulley lagging also has flame retardant.
- It has been designed for a variety of wet or dry applications and can be universally applied as a lagging for driven and non-driven pulleys for fabric and steel cord belts.



PROPERTIES

- Smooth lagging surface.
- Reduces slippage between belt and pulley.
- Improves the coefficient of friction.
- Protects the pulley against wear and corrosion.
- CN bonding layer provides fast and good adhesion.
- Specific weight: 1.15 g/cm³

TECHNICAL PARAMETERS

- Polymer basis: BR/IR/SBR
- Tensile strength: ≥ 15 N/mm²
- Abrasion: 120 mm³
- Hardness: 63±5 Shore A
- Elongation at break: ≥ 450%
- Colour: Black



All pulley laggings of HANPENG are equipped with a CN bonding layer on the back.

DESIGNATION	STYLE NO.	SIZE	WEIGHT PER UNIT AREA
Plain rubber pulley lagging	HP-N65	10×2000×10000 mm	12.8 kg/m ²
Plain rubber pulley lagging	HP-N65	12×2000×10000 mm	15 kg/m ²
Plain rubber pulley lagging	HP-N65	15×2000×10000 mm	18 kg/m ²
Plain rubber pulley lagging	HP-N65	20×2000×10000 mm	24.5 kg/m ²
Plain rubber pulley lagging	HP-N65	25×2000×10000 mm	27 kg/m ²

CN FILLER RUBBER



CN Filler Rubber is a high-quality rubber sheet with CN bonding layer on both sides.

PRODUCT FEATURES

- Made from a highly elastic premium rubber compound, delivering excellent abrasion resistance.
- Features a specially formulated Neoprene-based CN bonding layer on both sides for ultimate adhesion to steel or rubber surfaces, and compatibility with a wide range of Neoprene-based rubber adhesives.
- Ensures good bond strength even in adverse on-site conditions, with double-sided CN layers for maximum adhesion.
- Ideal for repairing longitudinal breaches, damaged top coatings, and damaged edges of all types of conveyor belts (including those reinforced with metal and aramid cord), as well as finishing splices during pulley lagging.
- Functions as a lining: bonds to the metal surface of drums and is placed under rubber lagging sheets.
- Possesses self-extinguishing, antistatic, and moderate oil resistance properties.



DESIGNATION	DESIGNATION(T×W×L MM)
CN FILLER RUBBER	1.5×500×10000 mm
CN FILLER RUBBER	3×500×10000 mm

METAL PRIMER HP-003



AREA OF APPLICATION

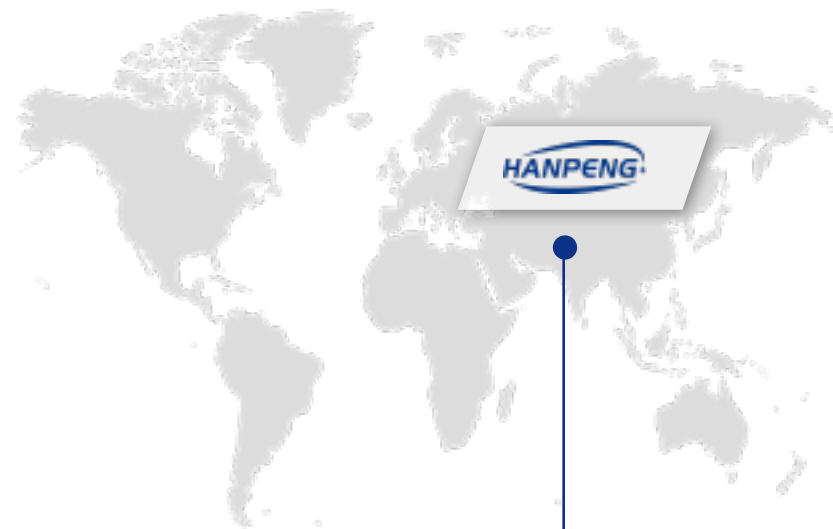
- METAL PRIMER is used to pretreat metal surfaces.
- Elastomer-metal bonds prior to rubber-metal bonding.
- With high dynamic and static loads.

PROPERTIES

- Excellent adhesion in combination.
- Short drying time.
- Additional temporary protection for atmospheric corrosion (humidity).

DESIGNATION	STYLE NO.	CONTENT	QTY/CARTON
PRIMER	HP-003	750g	10 tins/carton





BELT CLEANING SYSTEMS

- 1.Primary Scraper
- 2.Secondary Scraper
- 3.Belt Cleaning Brushes
- 4.Belt Plow Cleaner
 - a.V-Plow Cleaner
 - b.Diagonal Plow Cleaner
- 5.Pulley Cleaner



PRIMARY SCRAPER

HP-PUR100



RANGE OF APPLICATION

- It is suitable for the primary cleaning of large and medium materials under general working conditions.
- It is suitable for one-way operation, and for cleaning conveyor belts with cold or hot vulcanized joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 4.5 m/s.

BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- Novel blade design enables easy maintenance with separate replacement, ensuring stable contact between the blade and the conveyor belt surface during operation, and achieving a good cleaning effect.
- The blade is specially made of specially modified polymer polyurethane, which is flame-retardant, antistatic, and features high wear resistance, high elasticity, acid and alkali resistance, as well as a low friction coefficient.
- The structure is simple: the base mounting slot is reinforced with an embedded aluminum alloy, and the two ends are installed with clip-ons, which are easy to disassemble and replace.
- The main and secondary structures of the support can be separated for easy installation, and the auxiliary frame is a torsion bar with a rotating angle; the tensioner is a double-sided spring, which can ensure the perfect fit between the blade and the belt after adjustment.

HP-PUR200



RANGE OF APPLICATION

- It is suitable for the primary cleaning of large materials under general working conditions.
- It is suitable for one-way operation, and for cleaning conveyor belts with cold or hot vulcanized joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 4.5 m/s.

BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- Integrated blade design, enabling quick and simple installation and maintenance.
- The blade is specially made of specially modified polymer polyurethane, which has the characteristics of being flame-retardant and antistatic, as well as high wear resistance, high elasticity, acid and alkali resistance, and a low friction coefficient.
- The structure is simple: the base mounting slot is reinforced with an embedded aluminum alloy, and the two ends are installed with clip-ons, which are easy to disassemble and replace.
- The main and secondary structures of the support can be separated for easy installation, and the auxiliary frame is a torsion bar with a rotating angle; the tensioner is a double-sided spring, which can ensure the perfect fit between the blade and the belt after adjustment.

PRIMARY SCRAPER

HP-PUR200L



RANGE OF APPLICATION

- It is suitable for the primary cleaning of large materials under general working conditions.
- It is suitable for one-way operation, and for cleaning conveyor belts with cold or hot vulcanized joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 4.5 m/s.

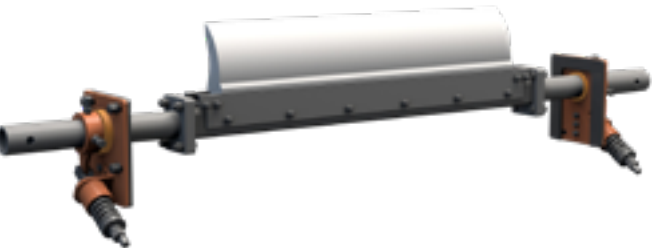
BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- Integrated blade design, enabling quick and simple installation and maintenance.
- The blade is specially made of specially modified polymer polyurethane, which is flame-retardant, antistatic, and features high wear resistance, high elasticity, acid and alkali resistance, as well as a low friction coefficient.
- The structure is simple: the base mounting slot is reinforced with an embedded aluminum alloy, and the two ends are installed with clip-ons, which are easy to disassemble and replace.
- The support structure is simpler, easy to install; the main frame for the torsion rod can rotate at an angle; the tensioner is a double-sided spring, which can be adjusted to ensure the perfect fit between the blade and the belt.

HP-C1



RANGE OF APPLICATION

- It is suitable for the primary cleaning in harsh conditions, such as for medium and high temperature materials.
- It is suitable for one-way operation, and for cleaning conveyor belts with cold or hot vulcanized joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 4.5 m/s.

BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- The design of individual blade ensures stable contact between the blade and the conveyor belt surface during operation, and achieves a good cleaning effect.
- The blade is made of alumina, which features high hardness, high wear resistance, high temperature resistance, acid and alkali corrosion resistance, etc. It has good durability and cleaning effect, with a longer service life and reduced maintenance.
- The structure is simple: the blade is installed in the base slot, and the two ends are installed by the clamp, which is easy to disassemble and replace.
- The main and secondary supports can be separated for easy installation, and the auxiliary frame is a torsion bar with a rotating angle; the tensioner is a double-sided spring, which can ensure the perfect fit between the blade and the belt after adjustment.

PRIMARY SCRAPER

HP-F1



RANGE OF APPLICATION

- It is suitable for small particles, heavy loads, viscous materials and other complex conditions.
- It is suitable for one-way operation, cold or hot vulcanized joint conveyor belt cleaning.
- Applicable bandwidth: 600-2400 mm.
- Applicable maximum tape speed is 7.5 m/s.

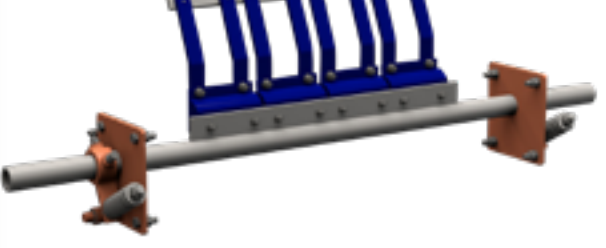
BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- The design structure of the separate blade ensures stable contact between blade and the conveyor belt surface during operation, and good cleaning effect.
- The blade material is tungsten carbide, featuring high hardness, high wear resistance, and long service life. The metal fender, base, and bracket are treated by galvanization, ensuring good rust resistance.
- Individual blade, independent buffer module, excellent impact resistance ensures stable contact between the blade and the conveyor belt during operation.
- The main and secondary structures of the bracket can be separated for easy installation. Tensioning is achieved by adjusting the translation distance of the fixed tool bar on the mounting seat, making operation more convenient and intuitive.

HP-F2



RANGE OF APPLICATION

- It is suitable for small particles, large water content, and mud conditions, and for the head without a drum.
- It is suitable for one-way operation, and for cleaning conveyor belts with cold or hot vulcanized joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 6.5 m/s.

BANDWIDTH

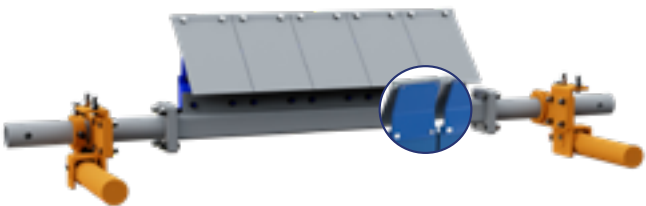
B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- The design of individual blade ensures stable contact between the blade and the conveyor belt surface during operation, and achieves a good cleaning effect.
- The blade is made of alumina, which features high hardness, high wear resistance, high temperature resistance, acid and alkali corrosion resistance, etc. It has good durability and cleaning effect, with a longer service life and reduced maintenance.
- The structure is simple: the blade is installed in the base slot, and the two ends are installed by the clamp, which is easy to disassemble and replace.
- The main and secondary supports can be separated for easy installation, and the auxiliary frame is a torsion bar with a rotating angle; the tensioner is a double-sided spring, which can ensure the perfect fit between the blade and the belt after adjustment.

PRIMARY SCRAPER

HP-PM300



RANGE OF APPLICATION

- It is suitable for small particles, heavy loads, high temperature, viscous materials and other complex conditions for primary cleaning.
- Suitable for one-way operation, cold or hot vulcanized joint conveyor belt cleaning.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 6.5 m/s.

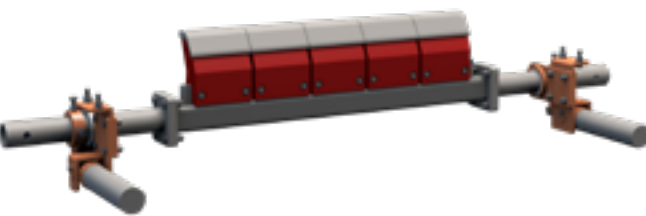
BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- The blade and its independent buffer module structure have good impact resistance, ensuring stable contact between the blade and the conveyor belt surface during operation, and achieving a good cleaning effect.
- The blade material is tungsten carbide, featuring high hardness, high wear resistance, and long service life. The metal fender, base, and bracket are treated by galvanization, ensuring good rust resistance.
- The main and secondary supports can be separated for easy installation. The auxiliary frame is a torsion bar with a rotating angle; the tensioner is a double-sided spring, which can ensure the perfect fit between the blade and the belt after adjustment. The height of the support seat can also ensure the perfect fit between the tool head and the belt after adjustment.

HP-PM400



RANGE OF APPLICATION

- It is suitable for primary cleaning in general working conditions, with excellent effect in water and mud working conditions.
- It is suitable for one-way operation, and for cleaning conveyor belts with cold or hot vulcanized joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 4.5 m/s.

BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- The blade and its independent buffer module structure have good impact resistance, ensuring stable contact between the blade and the conveyor belt surface during operation, and achieving a good cleaning effect.
- The blade material is tungsten carbide, featuring high hardness and high wear resistance. Compared with polyurethane blades, it has a longer service life, reducing maintenance and replacement costs.
- The base adopts a polyurethane slotted design, reinforced with embedded aluminum alloy. It has a separate structure, easy to disassemble and replace. Polyurethane acts as a buffer device to ensure each blade has independent impact resistance.
- The main and secondary supports can be separated for easy installation, and the auxiliary frame is a torsion bar with a rotating angle; the tensioner is a double-sided spring, which can ensure the perfect fit between the blade and the belt after adjustment.

SECONDARY SCRAPER

HP-V2



RANGE OF APPLICATION

- It is suitable for general working conditions, and also suitable for water, strong adhesion (coal slurry and peat), harsh working conditions, and "frozen and sticky" working conditions, with an excellent cleaning effect.
- It is suitable for one-way operation, and for cleaning conveyor belts with cold or hot vulcanized joints, and can pass the mechanical buckle.
- Applicable bandwidth: 600-2400 mm.
- The maximum band speed is 10 m/s.

BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- The design of individual blade ensures stable contact between the blade and the conveyor belt surface during operation, and achieves a good cleaning effect.
- The blade is made of high quality carbide and has a long wear resistant service life.
- With a unique appearance design and independent split blades, it has good support and cross arrangement, which can accurately adjust the contact pressure with the belt, and the cleaning area is up to 120%.
- The double buffer elastic module compensation device has better anti-shock oscillation performance.
- The main and auxiliary support structures can be separated for easy installation. Tension is achieved by adjusting the screw height of the support seat, which can ensure the perfect fit between the tool head and the belt after adjustment.

HP-V2L



RANGE OF APPLICATION

- It is suitable for general working conditions, and also suitable for water, strong adhesion (coal slurry and peat), harsh working conditions, and "frozen and sticky" working conditions, with an excellent cleaning effect.
- It is suitable for one-way operation, and for cleaning conveyor belts with cold or hot vulcanized joints, and can pass the mechanical buckle.
- Applicable bandwidth: 600-2400 mm.
- The maximum band speed is 10 m/s.

PRODUCT FEATURES

- The design of individual blade ensures stable contact between the blade and the conveyor belt surface during operation, and achieves a good cleaning effect.
- The blade is made of high quality carbide and has a long wear resistant service life.
- With a unique appearance design and independent split blades, it has good support and cross arrangement, which can accurately adjust the contact pressure with the belt, and the cleaning area is up to 120%.
- The main and auxiliary parts of the support structure can be separated for easy installation.

SECONDARY SCRAPER

HP-H1



RANGE OF APPLICATION

- It is suitable for general working conditions, and also suitable for water, strong sticky materials (coal slurry and peat), high-speed wear, impact and other harsh conditions, including "frost" working conditions.
- It can also be used as a primary cleaner, with an excellent cleaning effect. It is suitable for one-way operation and for cleaning conveyor belts with cold or hot vulcanized joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum band speed is 10 m/s.

BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- Individual blades are adjusted up and down to ensure that the blade and the belt closely touch, achieving a good cleaning effect.
- The material of the blade is made of high wear-resisting tungsten carbide alloy, which has good wear-resisting performance and long service life.
- Each blade is equipped with an independent high elastic rubber module, which provides strong local impact resistance.
- The unique double buffer elastic compensation device of the support seat can ensure that the holder can bounce back in time and the overall impact resistance is good.
- The blade and component are uniquely designed as a bending structure, which can effectively resist the impact of the material on the blade and the frame by using the force mechanics decomposition and the steel structure material.

HP-H1L



PRODUCT FEATURES

- Individual blades are adjusted up and down to ensure that the blade and the belt closely touch, achieving a good cleaning effect.
- The blade is made of high quality carbide and has a long wear resistant service life.
- Each blade is equipped with an independent high elastic rubber module, which provides impact resistance.
- The blade and component are uniquely designed as a bending structure, which can effectively resist the impact of the material on the blade and the frame by using the force mechanics decomposition and the steel structure material.

RANGE OF APPLICATION

- Effective under general to harsh conditions, including heavy water, highly viscous materials (like coal slurry and peat), high humidity, and even freezing environments. It performs excellently as a primary or auxiliary cleaner.
- It is suitable for one-way operation, and for cleaning conveyor belts with cold or hot vulcanized joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum band speed is 10 m/s.

SECONDARY SCRAPER

HP-R2



RANGE OF APPLICATION

- It is suitable for oil, materials and a variety of conditions, and serves as a secondary cleaner.
- It is suitable for two-way running conveyor belts, and for cleaning all kinds of conveyor belts with cold or hot vulcanized joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 4.5 m/s.

BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- It is an integral polyurethane secondary scraper.
- The special PUR rubber and plastic composite blade has low friction coefficient and strong comprehensive mechanical properties.
- The high performance elastic buffer compensation device automatically compensates the gap generated by the scraper on the belt, ensuring the contact pressure and excellent cleaning effect, at the same time, it can ensure a certain impact resistance.
- Curved blade design ensures smooth flow of the scraped material.
- The main and auxiliary support structures can be separated for easy installation. Tension is achieved by adjusting the screw height on the support seat, which can ensure the perfect fit between the blade and the belt.

HP-R2L



RANGE OF APPLICATION

- It is suitable for oil, materials and a variety of conditions, and serves as a secondary cleaner.
- It is suitable for two-way running conveyor belts, and for cleaning all kinds of conveyor belts with cold or hot vulcanized joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 4.5 m/s.

BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- It is a polyurethane secondary cleaner with integral blade.
- The special PUR rubber and plastic composite blade has low friction coefficient and strong comprehensive mechanical properties.
- The high performance elastic buffer compensation device automatically compensates the gap generated by the scraper on the belt, ensuring the contact pressure and excellent cleaning effect, at the same time, it can ensure a certain impact resistance of the blade.
- Tension is achieved by adjusting the height of the component, which can ensure the perfect fit between the blade and the belt.

SECONDARY SCRAPER

HP-V1



RANGE OF APPLICATION

- It is suitable for general working conditions, but also for the second-level cleaning of the harsh working conditions with large water and strong adhesion (coal slurry and peat).
- It is suitable for one-way operation, cold or hot vulcanized joint conveyor belt cleaning.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 6.5 m/s.

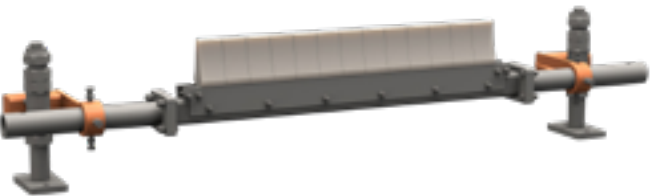
BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- The design of individual blade ensures stable contact between the blade and the conveyor belt surface during operation, achieving a good cleaning effect.
- High quality carbide blade, with good wear resistance and long service life.
- Independent blade, cross arrangement, can accurately adjust the contact face with the belt, and the cleaning area is up to 120%.
- The blade can be rotated around the axis, and the operation ensures that it is always perfectly fitted with the belt.
- Individual polyurethane holder acts as a buffer, so that each blade has the ability to resist impact.

HP-C2



RANGE OF APPLICATION

- It is suitable for general working conditions, and more suitable for high-temperature environments, acid and alkaline materials, as well as conveyor belts with strong wear.
- It is suitable for unidirectional operation, and for bidirectional operation with limit device, and suitable for conveyor belts with cold or hot vulcanized joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 6.5 m/s.

BANDWIDTH

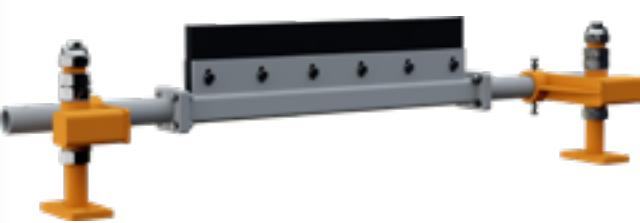
B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- The design of individual blade ensures stable contact between the blade and the conveyor belt surface during operation, achieving a good cleaning effect.
- The alumina blade offers high hardness, wear resistance, temperature resistance, and acid/alkali corrosion resistance, ensuring durability, easy cleaning, a longer lifespan, and less maintenance.
- The structure is simple, the blade is installed in the base slot, and the two ends are installed by the clamp, which is easy to disassemble and replace.
- The main and sub-frame are separable for easy installation. The elastic module enhances impact resistance, while adjustable support seats ensure perfect blade-belt contact.

SECONDARY SCRAPER

HP-R1



RANGE OF APPLICATION

- It is suitable for a variety of sticky material conditions; if the width of the scraper is enough, it is also suitable for belt deviation and other conditions.
- It is suitable for two-way operation, and for cleaning all kinds of conveyor belts with cold, hot vulcanization and mechanical joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 4.5 m/s.

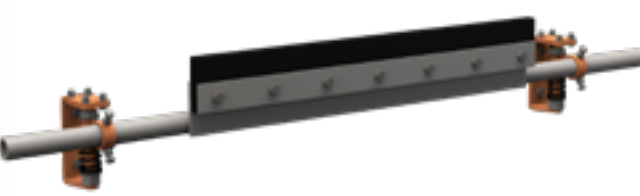
BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- It is an integral secondary cleaner with high elastic rubber material as a scraper. It has a simple structure, and is easy for maintenance and replacement.
- The rubber scraper is made of special composite material, with low wear coefficient, good overall performance, corrosion resistance, no damage to the belt, and good flatness of the belt contact surface, thus achieving a good cleaning effect.
- The reliable adjustable seat buffer ensures excellent conveyor belt cleaning by maintaining constant scraper contact through effective shock and oscillation absorption.
- The adjustable buffer seat ensures excellent cleaning by maintaining scraper contact with the belt, effectively absorbing impact and oscillation.

HP-R1L



RANGE OF APPLICATION

- It is suitable for a variety of sticky material conditions; if the width of the scraper is enough, it is also suitable for belt deviation and other conditions.
- It is suitable for two-way operation, and for cleaning all kinds of conveyor belts with cold, hot vulcanization and mechanical joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 4.5 m/s.

BANDWIDTH

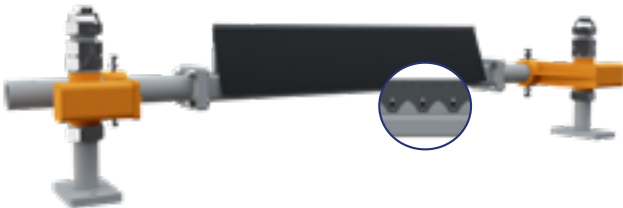
B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- It is an integral secondary cleaner with high elastic rubber material as a scraper. It has a simple structure, and is easy for maintenance and replacement.
- The rubber scraper is made of special composite material, with low wear coefficient, good overall performance, corrosion resistance, no damage to the belt, and good flatness of the belt contact surface, thus achieving a good cleaning effect.
- The length of the composite scraper is slightly wider than the conveyor belt bandwidth, which can ensure that the cleaner can clean well even when the conveyor belt runs off course.
- The integrated structure is more concise, easy to install and maintain, and the tension is achieved by adjusting the height of the limit component, which can ensure the perfect fit of the blade.

SECONDARY SCRAPER

HP-M1



RANGE OF APPLICATION

- It is suitable for secondary cleaning in harsh working conditions (coal slurry and peat) with heavy water and strong adhesion.
- It is suitable for unidirectional operation, and for bidirectional operation with limit device, and suitable for conveyor belts with cold or hot vulcanized joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 6.5 m/s.

BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- The design of individual blade ensures stable contact between the blade and the conveyor belt surface during operation, achieving a good cleaning effect.
- The blade material is tungsten carbide, with high hardness, high wear resistance, and long service life. The metal fender, base, and bracket are galvanized, offering good rust resistance.
- Smooth PE fender prevents material accumulation and corrosion damage.
- The main and secondary support structures can be separated for easy installation. The elastic module on the secondary frame enhances impact resistance; tension is achieved by adjusting the screws of the support seat, which can ensure the perfect fit between the blade and the belt.

HP-M3



RANGE OF APPLICATION

- It is suitable for secondary cleaning in harsh working conditions such as coal slurry and peat with large amount of water and strong adhesion.
- It is suitable for unidirectional operation, and for bidirectional operation with limit device, and suitable for conveyor belts with cold or hot vulcanized joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 6.5 m/s.

BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- The design of individual blade ensures stable contact between the blade and the conveyor belt surface during operation, achieving a good cleaning effect.
- The blade material is tungsten carbide, with high hardness, high wear resistance, and long service life. The metal fender, base, and bracket are galvanized, offering good rust resistance.
- Elastic rubber is clamped on both sides of the blade, which can prevent material accumulation, protect against corrosion, and also play a role in cushioning and anti-impact.
- Integrated tool holder support structure enables convenient installation. The elastic module on the bracket mounting seat enhances impact resistance; tension is achieved by adjusting the height of the support seat.

SECONDARY SCRAPER

HP-M2



RANGE OF APPLICATION

- It is suitable for secondary cleaning in harsh working conditions such as coal slurry and peat with large amount of water and strong adhesion.
- It is suitable for unidirectional operation, and for bidirectional operation with limit device, and suitable for conveyor belts with cold or hot vulcanized joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 6.5 m/s.

BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- The design of individual blade ensures stable contact between the blade and the conveyor belt surface during operation, achieving a good cleaning effect.
- The blade material is tungsten carbide, with high hardness, high wear resistance, and long service life. The base and bracket are galvanized, offering good rust resistance.
- Elastic rubber is clamped on both sides of the blade, which can prevent material accumulation, protect against corrosion, and also play a role in cushioning and anti-impact.
- The separable main and secondary frames allow for easy installation. Impact resistance is provided by an elastic module, and adjustable screws ensure a perfect blade-to-belt fit.

HP-M2L



RANGE OF APPLICATION

- It is suitable for secondary cleaning in harsh working conditions such as coal slurry and peat with large amount of water and strong adhesion.
- It is suitable for secondary cleaning in harsh working conditions such as coal slurry and peat with large amount of water and strong adhesion.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 6.5 m/s.

BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- The design of individual blade ensures stable contact between the blade and the conveyor belt surface during operation, achieving a good cleaning effect.
- The blade material is tungsten carbide, with high hardness, high wear resistance, and long service life. The base and bracket are galvanized, offering good rust resistance.
- Elastic rubber is clamped on both sides of the blade, which can prevent material accumulation, protect against corrosion, and also play a role in cushioning and anti-impact.
- The separable support frames enable easy installation.

SECONDARY SCRAPER

HP-GS



RANGE OF APPLICATION

- It is suitable for small particles and small caking working conditions, and for the head without roller.
- It is suitable for one-way operation, and for cleaning conveyor belts with cold or hot vulcanized joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 6.5 m/s.

BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- The bristles can be made of high-elastic nylon wire or anti-static high-elastic nylon wire, which are high-quality materials suitable for various material conditions.
- It uses an advanced Rotary Vector reducer and an aluminum-housed motor, featuring waterproof and dust-proof performance, high accuracy, energy efficiency, stable operation, and long service life.
- It makes elastic contact with the cleaning point, causing no wear or scratch on the conveyor belt, effectively extending the service life of the belt.
- It has an optimized design, enabling easy installation, easy adjustment, simple and practical operation, and easy maintenance.
- It is safe and reliable, with a low failure rate, long service life, and reduced maintenance costs.

HP-PD



RANGE OF APPLICATION

- Suitable for small and medium particles working conditions.
- Suitable for the secondary cleaning of "frozen adhesion" conditions.
- Suitable for one-way operation, and for cleaning conveyor belts with cold or hot vulcanized joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 6.5 m/s.

BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- The bristles can be made of high-elastic nylon wire or anti-static high-elastic nylon wire, which are high-quality materials suitable for various material conditions.
- It uses an advanced Rotary Vector reducer and an aluminum-housed motor, featuring waterproof and dust-proof performance, high accuracy, energy efficiency, stable operation, and long service life.
- It makes elastic contact with the cleaning point, causing no wear or scratch on the conveyor belt, effectively extending the service life of the belt.
- It has an optimized design, enabling easy installation, easy adjustment, simple and practical operation, and easy maintenance.
- It is safe and reliable, with a low failure rate, long service life, and reduced maintenance costs.

SECONDARY SCRAPER

HP-CF



RANGE OF APPLICATION

- Suitable for fine particles, dry powder materials and other working conditions, especially for head sections without rollers in the lower position.
- Suitable for single and double direction operation, and for cleaning conveyor belts with cold and hot vulcanized joints as well as mechanical joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 6.5 m/s.

BANDWIDTH

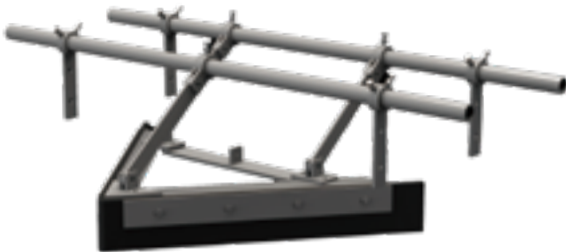
B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- The main structure is made of steel with good mechanical properties, and the overall surface is treated with rust prevention.
- The air outlet adopts a line arrangement, completely covers the width of the belt, and the structure is compact and the air output is large.
- The motor is waterproof and dust-proof with high accuracy, stable and energy-saving operation and long service life.
- Optimized design, easy installation, easy adjustment, simple and practical, easy maintenance.
- The cleaning process does not affect the normal operation of the conveyor.

BELT PLOW CLEANER

HP-B1



RANGE OF APPLICATION

- Suitable for cleaning the empty part of the conveyor belt (non-bearing surface).
- Suitable for one-way operation, and for conveyor belts with cold or hot vulcanized joints or mechanical joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 4.5 m/s.

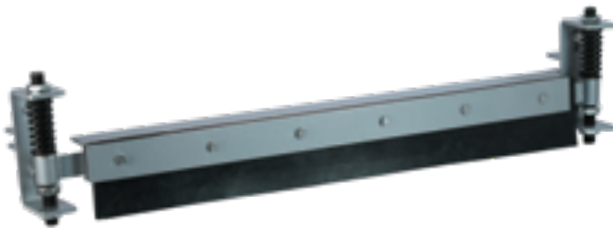
BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- Is a V-shaped, rubber material scraper return cleaner.
- Uses wear-resistant scraping material, with high wear resistance, impact resistance, no damage to the belt and good cleaning effect.
- Adopts suspension installation, does not increase the pressure on the non-working face.

HP-B2



RANGE OF APPLICATION

- Suitable for cleaning the empty part of the conveyor belt (non-bearing surface).
- Suitable for cleaning the empty part of the conveyor belt (non-bearing surface).
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 4.5 m/s.

BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- It is a flat-frame shaped, rubber scraper return cleaner.
- Uses wear-resistant scraping material, with high wear resistance, impact resistance, no damage to the belt and good cleaning effect.
- Adopts suspension installation, does not increase the pressure on the non-working face.

PULLEY CLEANER

HP-ZLS



RANGE OF APPLICATION

- Suitable for material cleaning in harsh environments such as freezing.
- Suitable for one-way operation, and for cleaning conveyor belts with cold or hot vulcanized joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 6.5 m/s.

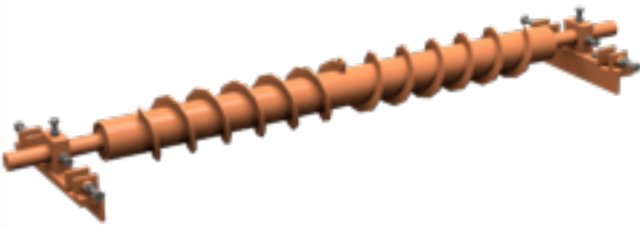
BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

PRODUCT FEATURES

- The main structure is made of steel with low temperature resistance and good mechanical properties, so it is not affected by the working environment, featuring high reliability, good low temperature resistance, wear resistance and no aging.
- It has an optimized design, enabling easy installation, easy adjustment, simple and practical operation, and easy maintenance.
- The cleaning process does not interfere with the normal operation of the conveyor belt.
- The outer spiral surface is ground, causing no wear or scratch on the conveyor belt, effectively extending the service life of the belt.
- It is especially suitable for rollers with serious viscous material, and the effect is better.

HP-QLS



RANGE OF APPLICATION

- Suitable for material cleaning in harsh environments such as freezing.
- Suitable for one-way operation, and for cleaning conveyor belts with cold or hot vulcanized joints.
- Applicable bandwidth: 600-2400 mm.
- The maximum tape speed is 4.5 m/s.

BANDWIDTH

B-800	B-1000	B-1200	B-1400
B-1600	B-1800	B-2000	B-2200

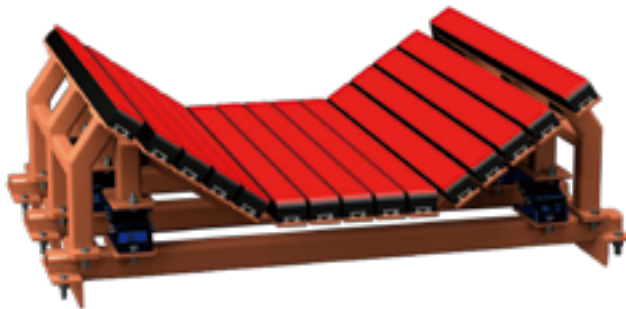
PRODUCT FEATURES

- The main structure is made of steel with low temperature resistance and good mechanical properties, so it is not affected by the working environment, featuring high reliability, good low temperature resistance, wear resistance and no aging.
- It has an optimized design, enabling easy installation, easy adjustment, simple and practical operation, and easy maintenance.
- The cleaning process does not interfere with the normal operation of the conveyor belt.
- The outer spiral surface is ground, causing no wear or scratch on the conveyor belt, effectively extending the service life of the belt.
- It is especially suitable for rollers with serious viscous material, and the effect is better.



IMPACT SYSTEM

- 1.Impact Bar
- 2.Impact Bed



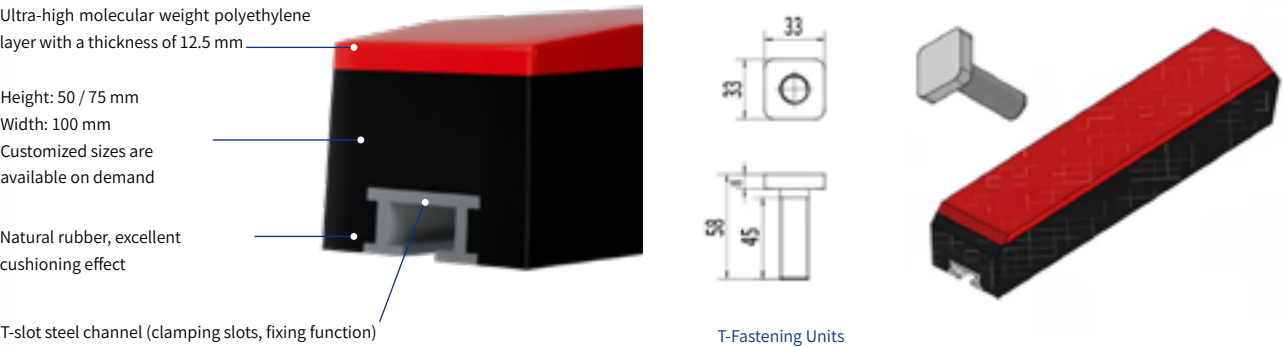
IMPACT BARS

HP-H



POLYETHYLENE LOW-FRICTION IMPACT BARS

Impact bars absorb the drop energy from material impact through HANPENG special rubber substrate. By fully supporting the conveyor belt at feed points and transfer stations, belt damage is avoided.



PRODUCT FEATURES

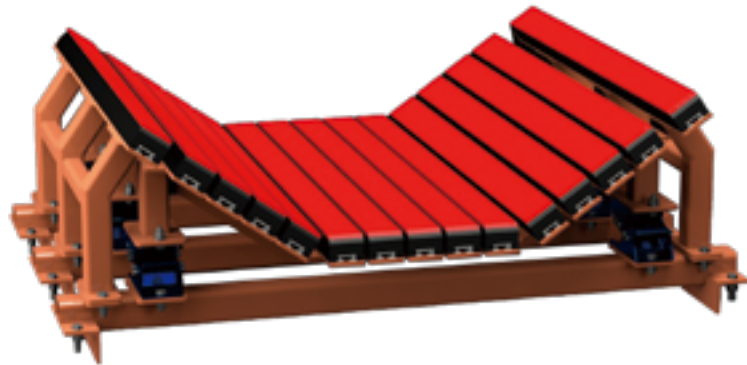
- Smooth UHMW Polyethylene Surface: Reduces friction between the conveyor belt and the buffer bar, enhancing operational efficiency.
- Thickened Red UHMW Polyethylene Layer: Expands application range and improves product durability.
- High-Performance Special Rubber Layer: Effectively absorbs impact forces during material falling, ensuring smooth material conveying.
- Prevents Conveyor Belt Damage: The buffer bar's contact with the conveyor belt surface effectively avoids damage.
- Reduces Maintenance Needs: Even force distribution during loading minimizes the requirement for maintenance and repairs.
- Prevents Material Spillage: Eliminates material splashing and leakage caused by uneven force on the conveyor belt.
- Complete Sets with Fasteners Available: Offered in complete sets with fasteners, and can be customized in any length-to-height ratio.
- Durable Construction: All components of the buffer bar are tightly and firmly bonded through hot vulcanization.
- Fire-Retardant: Rated as "V" class fire retardant, ensuring safety in relevant environments.

IMPACT BAR SIZE (Customized sizes are available on demand)		
HEIGHT	WIDTH	LENGTH
50/75/100 mm	100 mm	1220 mm
50/75/100 mm	100 mm	1400 mm
50/75/100 mm	100 mm	1500 mm
50/75/100 mm	100 mm	1600 mm
50/75/100 mm	100 mm	1800 mm

IMPACT BED

HP-HCZ

HANPENG HP-HCZ Composite Impact Bed is a highly engineered component specifically designed to safeguard conveyor systems, especially in environments where the transport of heavy and large - grain materials is involved. Boasting an advanced design that integrates multiple features, it effectively mitigates the negative impacts of collision and wear on conveyor belts, thereby extending the service life of the belts, reducing maintenance costs, and enabling smoother material handling.



APPLICATION AREAS

- Industries with high-drop conveying and large-grain materials, such as mining (ores, rocks, minerals), construction, cement, and recycling, benefit from the composite impact bed.
- It protects conveyor systems against heavy impacts and abrasive materials, ensuring the systems' durability and smooth operation in harsh conditions.

PRODUCT FEATURES

- Unique Integral Design: The all-in-one structure enhances durability, reduces assembly risks, and protects the conveyor belt from impact and wear.
- Advanced Buffering Performance: Absorbs impact energy from heavy materials to minimize shock and stabilize material flow.
- Superior Wear & Impact Resistance: Withstands the abrasion of coarse materials, reduces conveyor belt damage, and extends the overall service life of the conveyor system.
- Fixed Groove Angle: Guides materials into the grooves to prevent conveyor belt misalignment and material spillage.
- Easy Installation & Maintenance: Bolted connections facilitate quick maintenance operations and reduce equipment downtime.
- Robust Steel Support: The 150H steel beam effectively resists heavy impacts and prevents structural deformation.

MATERIAL SIZE AND COMPATIBILITY

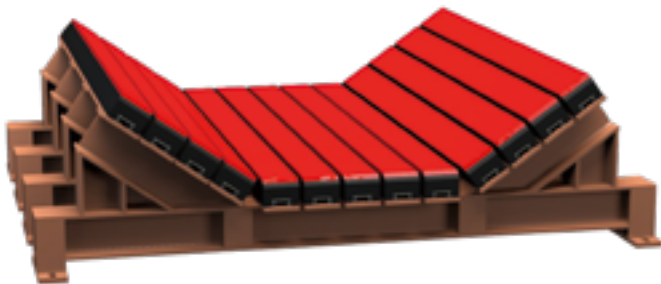
- Material Size Range: The composite impact bed is specifically designed to handle materials with a diameter of up to 400mm, making it suitable for medium to large-sized granular materials.
- Compatibility: The composite impact bed is compatible with a wide range of conveyor systems and adaptable to various material types, ensuring versatility across different industries and material handling scenarios.

IMPACT BED

HP-HC

RANGE OF APPLICATION

- Suitable for materials with a diameter below 400 mm.
- Fixed groove angle design ensures edge-to-groove fit, with high strength and no deformation.
- It is easy to install and remove via bolted connection.
- Base support beam made of 150H steel ensures strength at the midpoint for stable load-bearing.
- Suitable for various industrial scenarios including logistics centers, manufacturing production lines, as well as material handling areas in ports, airports, etc.



PRODUCT FEATURES

- Optimized Structure: Precision grooves and Finite Element Analysis (FEA) for maximum strength with minimal material usage.
- Simplified Connections: Bolt-free, self-locking design enables easy installation, stability, and low maintenance requirements.
- Lightweight & Strong: High-strength aluminum/composites reduce weight, save energy, and enhance portability.
- Streamlined Design: Hollow, sleek construction cuts down on material usage and boosts both material efficiency and aesthetic appeal.
- Flexible Adjustment: Integrated adjustable parts (e.g., bolts, brackets) to adapt to diverse application scenarios.
- Modular System: Customizable, expandable modules for enhanced flexibility and sustainability.
- Safe & Reliable: Non-slip surfaces, rounded edges, and compliance with safety standards ensure user security.

HP-HCK

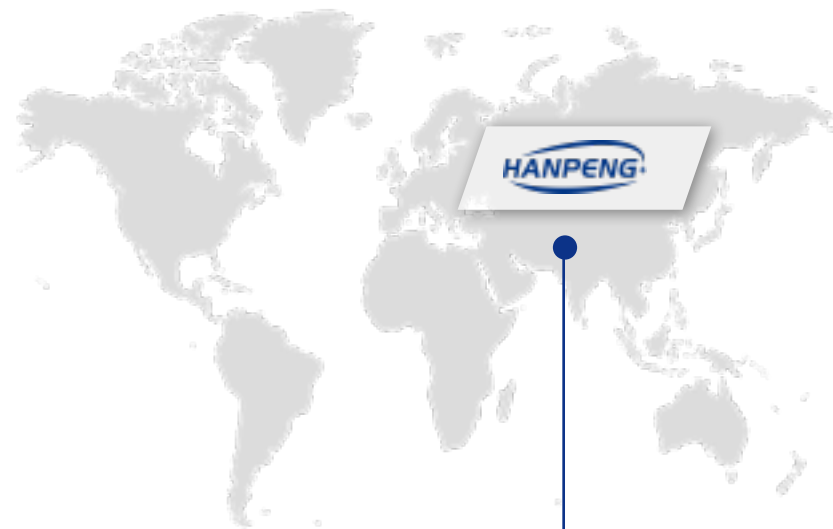
RANGE OF APPLICATION

- Suitable for materials up to 25 kg.
- Unique slot design, easy to quickly adjust the angle (20°、30°、35° or 45°).
- Lightweight facilitates transportation and installation.
- Goods sorting and conveyor systems in logistics centers and warehousing facilities.
- Automated conveyor systems in manufacturing production lines.
- Goods handling areas in ports, airports, and logistics hubs.



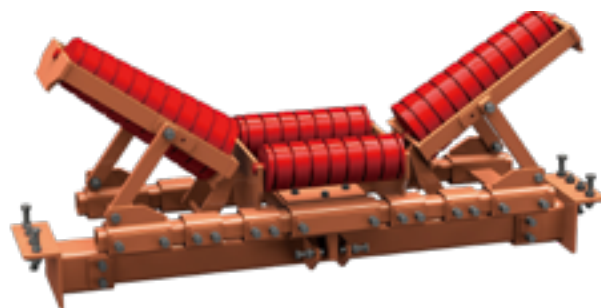
PRODUCT FEATURES

- Reduces impact and vibration, thereby lowering equipment wear and maintenance costs.
- Protects both conveyor systems and materials, effectively extending their service life.
- Features an adjustable design to adapt to various materials and operating conditions.
- Boasts durable construction with wear-resistant materials for reliable long-term use.
- Easy to install and compatible with existing systems, saving time and costs.



TRACKER ROLLER SYSTEMS

1. Hydraulic Tracker Roller Systems
2. Vee Return Tracker
3. Trough Tracker



HYDRAULIC TRACKER ROLLER SYSTEMS

HP-JPY-C



HP-JPY-V



HANPENG Hydraulic Tracker Roller Systems

Types HP-JPY-C (Dynamic Trough Tracker)

Types HP-JPY-V (Vee Return Tracker)

PRODUCT FEATURES

- No power source required & easy maintenance: The Hydraulic Tracker Roller Systems requires no power source, featuring a simple structure, reliable performance, and easy maintenance. It uses no electricity or electrical control components, making it suitable for explosion-proof, dusty, humid, and high-temperature environments, as well as underground and other hazardous areas with flammable or explosive materials.
- High reliability & durability: All components of the Hydraulic Tracker Roller Systems operate under extremely low load and for short durations, ensuring excellent durability.
- Enhanced driving efficiency: The driving roller is replaced with a driving vertical roller. When the conveyor belt deviates and drives the vertical roller to rotate, the vertical roller generates greater kinetic energy — thus transmitting more energy to the oil pump than the conventional driving roller.
- High correction efficiency: As soon as the belt deviates and touches the detection wheel, the Hydraulic Tracker Roller Systems activates immediately, rotating the self-aligning idler by a certain angle to quickly correct the belt.
- Key self-aligning idler positioning function: When the self-aligning idler rotates, it automatically generates an alignment force on the belt. Meanwhile, the belt exerts a reaction force on the idler, causing it to rotate back to its original position. If the idler is not braked, the alignment force disappears as it resets. The KLD logic valve group's braking and positioning function locks the idler at an angle where the alignment force balances the deviation force, keeping the belt centered.
- Rational layout for timely correction: Along the entire conveyor line, one set of passive hydraulic deviation-adjusting roller groups (core component of the Hydraulic Tracker Roller Systems) is installed every 20-50 meters, ensuring timely correction of conveyor belt deviation.

TRACKER ROLLER SYSTEMS

HP-YJP-C



HP-YJP-V



HANPENG Tracker Roller Systems

Types HP-YJP-C (Dynamic Trough Tracker)

Types HP-YJP-V (Vee Return Tracker)

HANPENG's HP-YJP-V (Vee Return Tracker) and HP-YJP-C (Dynamic Trough Tracker) tracking units both provide continuous guidance and support to correct any belt misalignment. Both models ensure the conveyor belt runs centrally, preventing damage to the belt and the entire conveyor system. Additionally, they boost plant availability and productivity by reducing downtime, while enhancing safety for your workforce.

PRODUCT FEATURES

- Adjusted externally to the conveyor system to enable safe and precise commissioning and adjustment after installation and during day-to-day operations.
- Automatic dynamic self-adjusting.
- Heavy-duty robust design.
- High-quality polyurethane lagging with high wear-resisting property.
- Flame Retardant Anti-Static polyurethane lagging available.

ADVANTAGES

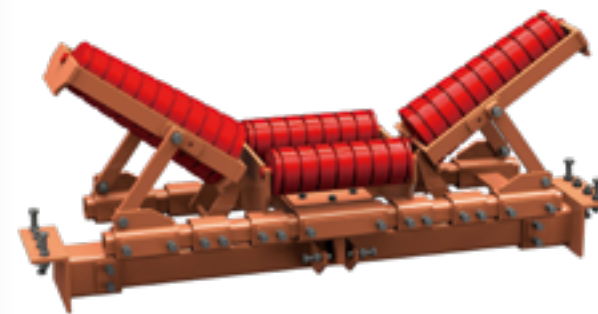
- Easy maintenance.
- Individual rollers for easy replacement.
- One-step casting polyurethane lagging to ensure longer service life – safer, easier and faster adjustment.
- Increased plant availability.
- Protects conveyor assets.

AREA OF APPLICATION

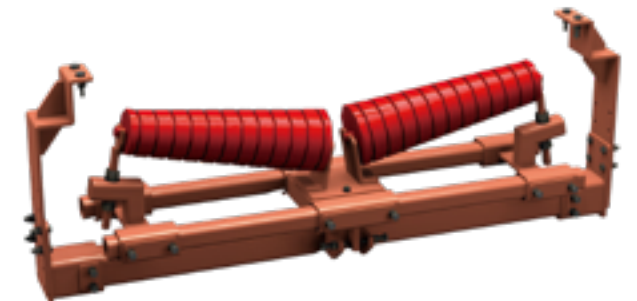
- Suited for all conveyor systems where belt drift or uncontrolled tracking occur.
- Suited for both standard and heavy duty applications.
- The HP-JP-V/HP-YJP-V is designed to fit low-height clearance applications.

TRACKER ROLLER SYSTEMS

HP-JP-C



HP-JP-V



HANPENG Tracker Roller Systems

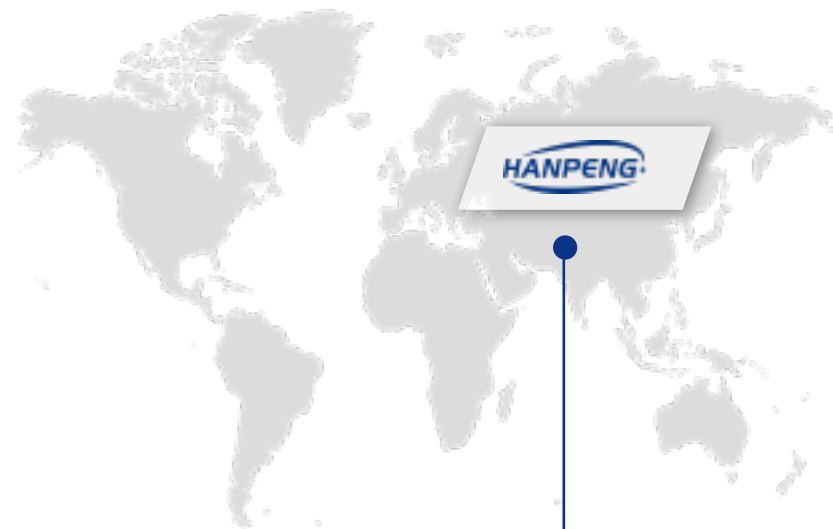
Types HP-JP-C (Dynamic Trough Tracker)

Types HP-JP-V (Vee Return Tracker)

There are many different causes of belt misalignment in conveyor belt systems. This problem often results in complete shutdown of the plant or damage to the conveyor belt and other components. HANPENG offers a wide range of tracker roller systems for all belt widths and all belt speeds, applicable to both the return belt and the troughed carrying side.

PRODUCT FEATURES

- Special roller design enables bidirectional use without restrictions.
- Designed for challenging operating conditions.
- Easily adaptable to the structural framework of most conveyors.
- Wear-resistant, anti-electrostatic and flame-retardant roller shell lagging.
- Heavy and stiff frame structure to handle extreme working stress.
- The ball-bearing-equipped roller-bar guarantees efficient and quick reaction against mistracking.
- Easy and quick installation / can be serviced via modular components.
- High - grade, maintenance - free idlers with a special sealing and bearing arrangement.



● IDLER ROLLERS

1. Polyethylene Cylindrical Idler Roller
2. Conical Idler Roller



IDLER ROLLERS

POLYURETHANE CYLINDRICAL IDLER ROLLER



PRODUCT FEATURES

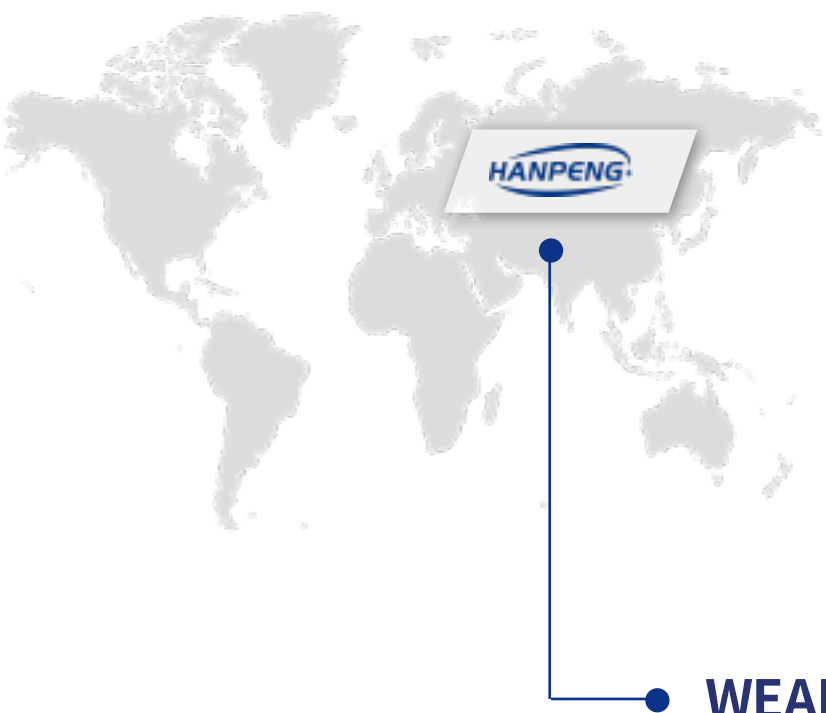
- Space-Saving Design: Perfect for compact installations where space is limited.
- Simplified Maintenance: Slide-out/slide-in roller frames allow for idler servicing without the need to raise the belt or to remove adjacent idlers, significantly reducing downtime.
- Enhanced Belt Performance: Ensures proper belt alignment while stabilizing the belt line to improve sealing, minimizing material spillage and enhancing operational efficiency.
- Polyurethane Roll Advantage: Equipped with high-quality polyurethane rolls (instead of steel), offering excellent resistance to abrasion, corrosion, and impact—extending service life in harsh environments.
- Custom Solutions Available: We offer custom-designed Polyurethane Cylindrical Idlers for unique application needs, and our technical team provides expert guidance on selecting or designing solutions.
- Size and material customization are available.

CONICAL IDLER ROLLER



PRODUCT FEATURES

- Exceptional Performance – The combination of tapers and a unique center pivot enables fast, reactive, and continuous tracking in all conditions.
- Individual Rollers for Easy Replacement – Both the taper wing and center roller can be replaced individually as wear occurs, simplifying maintenance.
- Enhanced Center Pivot – The heavy-duty pivot design activates instantly to centralize the belt, ensuring it runs straight.
- Maintenance-Free – Bearings require no greasing, reducing upkeep work.
- Lagging – Available with Polyurethane Lagging with standard thickness of 10-12 mm. Custom thickness can also be available according to customer requirements. Fire-retardant polyurethane lagging is available as an option for enhanced safety.
- Operates in All Conditions – Quick activation on both wet and dry conveyor belts, delivering reliable performance across diverse environments.
- Versatile Installation – Minimal tension is needed for center rolls, which can be easily adjusted with supplied mounting brackets to fit various setups.
- Size and material customization are available.



WEAR PROTECTION

- 1.Ceramic Wear Lining Plate
- 2.Ceramic Wear Lining Pad
- 3.Skirting Board
- 4.Cab Green Scraper Rubber
- 5.Two-Component Small Particle Wear-Resistant Ceramic Epoxy



CERAMIC WEAR LINING PLATE

HP-WP-35/75

PROPERTIES

- Alumina content: $\geq 92\%$ (HP-WP-35/75)
- Density: $\geq 3.6 \text{ g/cm}^3$
- Ceramic Rockwell hardness: $\geq 85 \text{ HRA}$
- Compressive strength: $\geq 850 \text{ MPa}$
- Wear volume: $\leq 0.06 \text{ cm}^3$
- Bonding strength between ceramic and rubber: $\geq 6 \text{ MPa}$

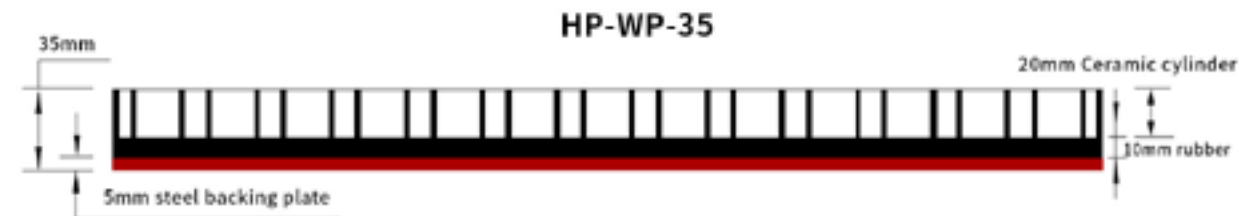


PROPERTIES

- Highest abrasion-resistance: Made from high-quality alumina (Al_2O_3) ceramics, ensuring exceptional wear resistance.
- Absorption of impact energy: Reduces damage caused by material impact.
- Easy, flexible, and fast application: Secure fastening and simple installation process.
- Reduces operating costs: Durable and long-lasting, minimizing maintenance and replacement expenses.
- Long service life: Increases the efficiency and lifespan of your equipment, enhancing overall durability.
- Easy replacement: Modular design allows for quick and hassle-free replacement.
- Good resistance against weather: Suitable for various environmental conditions, supporting versatile and adaptable use to meet specific industrial needs.

RANGE OF APPLICATION

- Wide industry use: Suitable for thermal power, steel, metallurgy, coal, mining, chemical, cement, and port terminals.
- Lining against extreme wear: Ideal for high-speed abrasion environments.
- Lining of material transfer stations: Suitable for low-impact angles.
- Specific & versatile applications: Used in conveying system chutes, powder systems, ash and dust removal systems, pipelines, vibratory feeders, cyclones, skips, bunkers, loading points, slides, hoppers, silos, and other machinery subject to significant wear.
- HP-WP-35/75: A composite construction of highly wear-resistant 92%- Al_2O_3 ceramic tiles hot-vulcanized in special rubber. Designed for simple to medium-duty applications in mining, gravel, sand, stone-breaking mills, and other industrial sectors.
- Metal layer hot-vulcanized: Enables easy fitting to application areas using stud bolts.

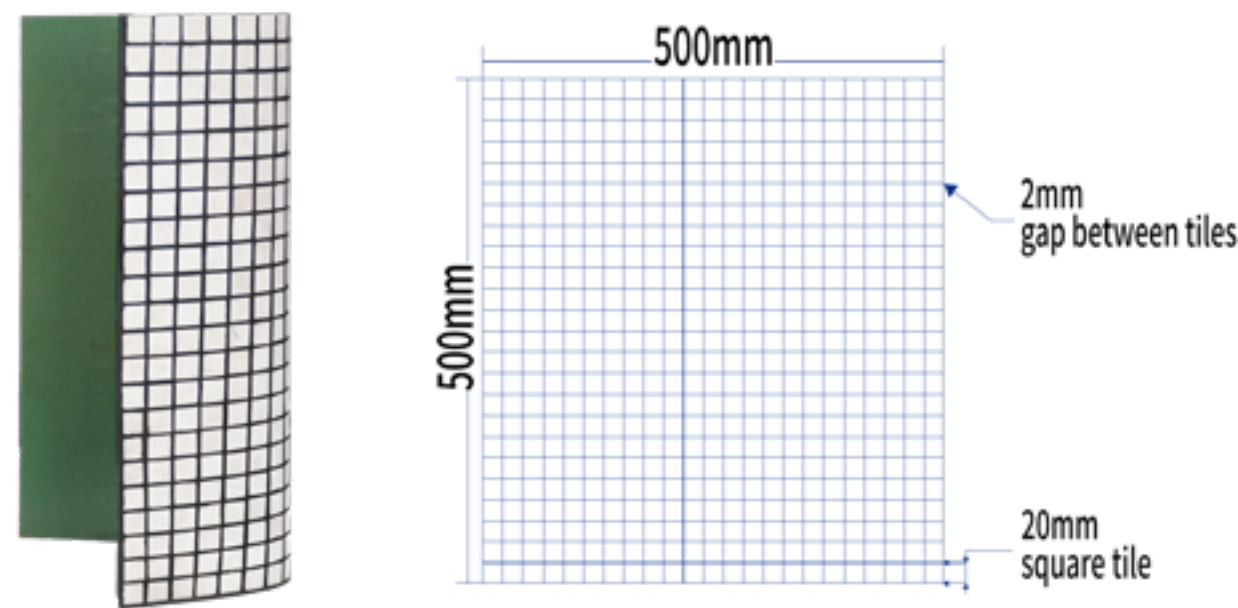


RANGE OF APPLICATION

PRODUCT NAME	MODEL	THICKNESS	CERAMIC TILE DIMENSIONS	PACKAGING
Ceramic Liner	HP-WP-35	35 mm	Ø20×20 mm	500×500 mm
Ceramic Liner	HP-WP-75	75 mm	Ø20×20 mm	500×500 mm

CERAMIC WEAR LINING PAD

HP-WLP

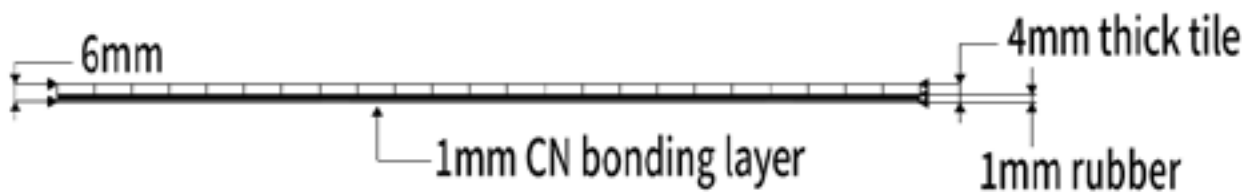


APPLICATIONS

- HP-WLP Ceramic Wear Lining Pads are engineered as industrial wear-protective ceramic lining systems. Bonded to equipment, they shield steel surfaces from abrasion and impact, widely used in mining, quarrying, and mineral processing—typically on chutes, tanks and pipework, conveyor loading/transfer hoods, feeders, screen beams/components, cyclones, launders, flotation cells, mill feed chutes, and sumps and underpans—and also extensively applied in agriculture for grain handling, processing, and storage equipment.

FEATURES

- HP-WLP Ceramic Wear Lining Pads consist of wear-resistant 92% alumina ceramic tiles vulcanised to a rubber backing. They offer excellent resistance to high-velocity/high-flow wet slurry, fine-particle sliding abrasion and impact. With over 80% ceramic coverage, no friction occurs between tiles, and the ceramic pieces won't fall off. The backing uses a premium natural rubber compound with 70 ± 5 HA hardness, providing moderate impact resistance and flexibility for installation on flat, mildly convex or concave surfaces. They also incorporate a specially formulated CN bonding layer, ensuring optimal adhesion to steel or rubber surfaces. Compatible with most neoprene-based rubber adhesives, this layer delivers strong bonding even under harsh on-site conditions.



SKIRTING RUBBER

HP-SR



RANGE OF APPLICATION

- High speed conveyor system.

FEATURES

- Low friction with the conveyor belt with flexibility, can be closely fitted with the conveyor belt.
- Excellent abrasion and wear resistance, low friction, it can be used in most working conditions.

SPECIFICATIONS

- Width 170-300 mm, thickness 10/15/20 mm.
- The specific size is customized according to customer needs.

TECHNICAL PARAMETER	
SPECIFIC GRAVITY	1.25±0.05
HARDNESS	63±5 Shore A
ELONGATION AT BREAK	450%
COLOR	BLACK

PU-RUBBER COMBI SKIRTING

HP-SPR



RANGE OF APPLICATION

- For high speed conveyor system.

PRODUCT FEATURES AND ADVANTAGES

- The material is made of polyurethane and natural rubber, and the contact and sealing parts of the belt are made of imported polyurethane, which has wear resistance and long service life and does not damage the belt.
- Excellent structure, good sealing effect, high wear resistance, chemical corrosion resistance and long service life.
- The skirting sealing part is unilateral arc, which does not damage the belt when the belt deviates, and can be automatically reset.
- The skirting groove on each side is made into a whole as required, and the groove length is consistent to prevent material leakage at the joint.

SPECIFICATIONS

- Width 170-300 mm, thickness 10/15/20 mm.
- The specific size is customized according to customer needs.

STANDARD POLYURETHANE SKIRTING

HP-003



AREA OF APPLICATION

- Skirting rubber for heavy-duty loading areas.
- Suitable for fine-grained and dusty materials.
- Chute sealing systems for conveyor transfer points.

TECHNICAL PARAMETERS

- Colour: Red/Orange
- Material: Polyurethane
- Hardness: 62 ± 5 Shore A
- Tensile strength: ≥ 35 N/mm²
- Elongation at break: ≥ 650 %
- Density: 1.22 ± 0.1 g/cm³
- Edge: Bevel 45°

PROPERTIES

- Belt-friendly, with a hardness of 62 ± 5 Shore A.
- Excellent wear resistance, suitable for heavy-wear conditions.
- Fire Retardant Anti-Static polyurethane skirtings are available.
- Excellent sealing performance, featuring a 45-degree beveled edge.
- Reduced material wastage, available in standard lengths of 15m.
- Various widths and thicknesses are available, with thickness options of 12mm/15mm and height options of 150mm/200mm.
- Dimensions are available for customization based on customer requests.

Y-TYPE DUAL-SEAL COMBI SKIRTING

HP-SPRY



PROPERTIES

- Optimum dual-sealing for high-speed belts
- Dual-seal system in one-piece construction
- Easy and quick mounting and replacement
- Excellent low-abrasion characteristics
- Enhanced service life

AREA OF APPLICATION

- Chute sealing systems for conveyor transfer points.
- Suitable for fine-grained and dusty materials.
- Skirting for heavy-duty loading areas.

TECHNICAL PARAMETERS

- Colour: PU (Red) / Rubber (Black)
- Material: Polyurethane and Rubber
- Hardness: Rubber (65 ± 3 Shore A)/ Polyurethane (80 ± 5 Shore A)
- Density: 1.17 ± 0.1 g/cm³

CAB GREEN SCRAPER RUBBER

HP-CAB



PROPERTIES

- Excellent wear resistance.
- Very belt-friendly.
- Low friction on conveyor belts.
- Different thicknesses available from 15–40 mm.
- Production widths up to 2,000 mm available.
- Designed for a temperature range of -45°C to + 70°C.
- The combi scraper rubber may protrude from its support by up to 1.5 times its thickness.

TECHNICAL PARAMETERS

- Polymer basis: NR/BR
- Colour: Black/Green/Black
- Hardness: 65/45/65 Shore A
- Specific Weight: 1.12/1.08/1.12 g/cm³

AREA OF APPLICATION

- Universally applicable as a scraper for granular, slightly sticky, and moist materials.
- Three-ply combi scraping rubber (CAB) with a wear-resistant outer layer and an elastic inner layer.

TWO-COMPONENT SMALL PARTICLE WEAR-RESISTANT CERAMIC EPOXY

HP-LR



RANGE OF APPLICATION

- High-load particle erosion equipment: Pipelines, elbows, chutes, slurry pumps, cyclones (wear repair and protection).
- Sealing/repair/protection scenarios: Heat exchangers, condensers, separators, evaporators, cooling systems (newly created or repaired surfaces).

FEATURES

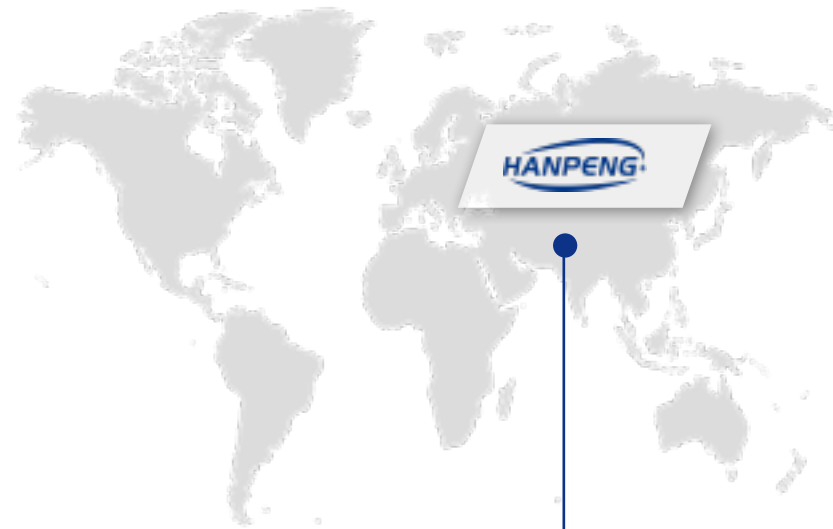
- High-performance repair: With hard spherical ceramics, suitable for large-scale repairs of equipment under high-load particle erosion.
- Versatile protection: Used for sealing, repairing, and protecting new/repaired surfaces in multiple industrial systems.

RANGE OF APPLICATION

- Formulation & Curing: Two-component solvent-free epoxy material; initial cure in 30 mins (25°C), full cure in 24 hours (temperature/mixing quantity proportional to curing time).
- Physical Properties: Gray paste; density 2.32 g/cm³; compressive strength 981 kg/cm²; tensile strength 367 kg/cm²; hardness 89 Shore A; working temperature -60 to 160°C.
- Performance Advantages: Dense, smooth surface without micropores; prevents scaling, abrasion, fluid erosion, cavitation, chemical corrosion; bonds with primer to enhance adhesion.

RANGE OF APPLICATION

- Clean the substrate surface to remove impurities and dirt.
- Perform sandblasting or grinding treatment on the substrate surface.
- Mix and stir Wear-Resistant Coating A and Coating B in a 4:1 ratio.
- Evenly apply the mixed material onto the substrate surface.
- Cure for 4 hours. If the temperature is below 5°C, use electric heaters and tungsten lamps for heat curing.



REPAIR AND MAINTENANCE TOOLS

1. Rubber Conveyor Belt Cutter
2. Rubber Fabric Belt Stripper
3. Steel Cord Conveyor Belt Stripper
4. Tungsten Carbide Grinding Disc and Other Tools



REPAIR AND MAINTENANCE TOOLS

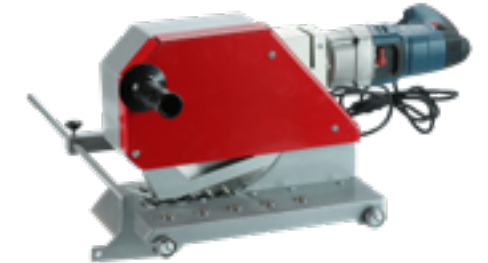
RUBBER CONVEYOR BELT CUTTER

RANGE OF APPLICATION

- Cutting rubber, fabric belt and polyurethane materials, etc.
(for straight line cutting only)

TECHNICAL PARAMETERS

- Rubber hardness: 40 - 90 Shore A
- Rubber thickness: 50 mm Max
- Speed: 60 rpm



RUBBER FABRIC BELT STRIPPER

RANGE OF APPLICATION

- Suitable for stripping individual rubber layers from the fabric conveyor belts.
- Can significantly improve work efficiency and reduce labor intensity.

TECHNICAL PARAMETERS

- Motor power: 1.5 kW
- Working voltage: 220 V
- Line speed: 0.3 m/s



STEEL CORD CONVEYOR BELT STRIPPER

RANGE OF APPLICATION

- This tool prepares vulcanized joints for steel cord conveyor belts by separating the steel cords from the rubber.
- It is versatile, easy to operate, and time-saving, while also reducing labor intensity.

TECHNICAL PARAMETERS

- Motor power: 1.5 kW
- Working voltage: 380 V
- Line speed: 0.3 m/s
- Wire rope diameter: $\phi 4.9$ - $\phi 13.2$ mm
- Conveying belt thickness: ≤ 43 mm



TUNGSTEN CARBIDE GRINDING DISC AND OTHER TOOLS



HP-T01



HP-T02



HP-T03



HP-T04



HP-T05



HP-T06



HP-T07



HP-T08



HP-T09



HP-T10



HP-T11



HP-T12



HP-T13



HP-T14



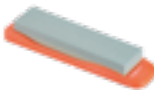
HP-T15



HP-T16



HP-T17



HP-T18



HP-T19



HP-T20



HP-T21



HP-T22