HAMMPACK®

building injection equipment



HAMMPACK® – owner of PAKERY.PL

OEM production under private labels available

www.pakery.pl | www.hammpack.com

HAMMPACK®
building injection equipment

HAMMPACK® is the owner of platform PAKERY.PL – a brand created for professionals who expect precision, speed, and technical flexibility.

We specialize in injection systems and develop complete product lines for both construction and infrastructure markets.
We produce under our own brand and offer full OEM manufacturing – including design support, technical customization, and fast delivery.

Our product range includes:

- Injection packers (steel, aluminum, plastic, adhesive)
- Injection hoses and hose systems
- Injection needles and accessories
- Spiral anchors
- Injection lances (JG-System)
- Mixing heads (2K / 3K)
- Injection pumps
- Accessories and tools for site professionals

We react fast. We listen. We build with you.
Let's inject smart.

At HAMMPACK®, we believe that success in injection work is not just about the product — it's about the entire system. That's why we don't just create tools; we provide the knowledge that enables our partners to work faster, safer, and more efficiently.

B2B PLATFORM:

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HAMMPACK®
building injection equipment



HAMMPACK® *– top-quality injection packers for all types of injection works. A special rubber compound and high-precision machining ensure maximum injection tightness and much easier anchoring.*

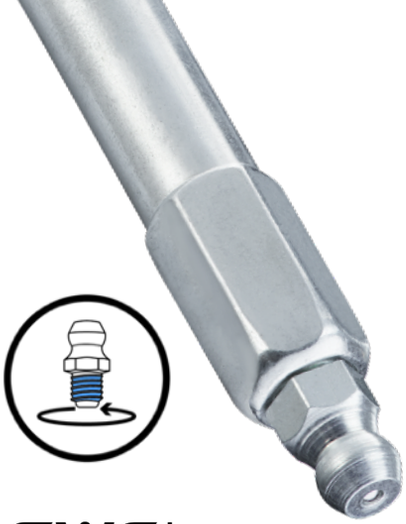
Hammpack® packers guarantee perfect sealing of all nipples, both for high-pressure and low-pressure injection. The expansion pins fit injection holes precisely – whether the drill bit is new or already used – they always fit perfectly. The sealing rubber additionally "bites" into the substrate structure.

- Enhanced anchoring efficiency of the packer in the hole through optimized expansion rubber diameters – this facilitates adhesion and proper anchoring (allowing for significantly faster packer installation and improved tightness).

- Increased durability and consistency of the expansion rubbers – the optimized rubber compound and cooling process make the injector resistant to rubber cracking and detachment from washers.

- Exceptional nipple tightness.





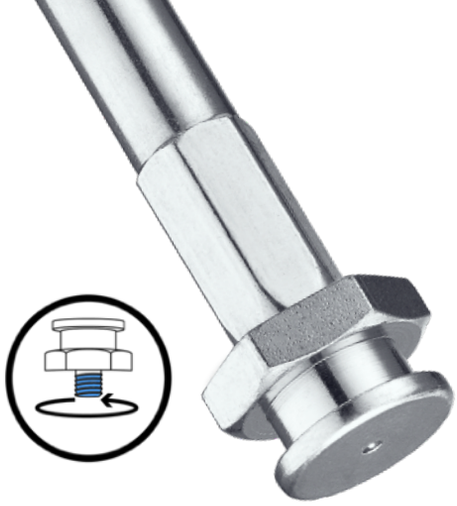
SWG*

Nipples** with thread sealing using anaerobic adhesive, **machine-tightened.



PRE*

***Nipple with a factory-applied coating on the thread** – designed for crack venting.*



FWG*

Flat nipple** with thread sealing using anaerobic adhesive, **machine-tightened.** Available in the **FPRE version – with pre-applied coating.

PI-SPH 8/80

The smallest diameter injector for special tasks.

Technical parameters:

- *Material: steel*
- ***Injection hole diameter: ⌀8 mm***
- *Length: 80 mm*
- *Seal length: 30 mm*
- *Wrench size: 8 mm*
- *Highest tightness*





EAN	Type
5 903968 661977 >	SWG
5 903968 660888 >	PRE

PI-SPH 10/110

The most popular size, the clinging rubber even bites into the surface. ***Perfectly matched diameter for ⌀10 borehole.***



Technical parameters:

- *Material: steel*
- ***Injection hole diameter: ⌀10 mm***
- *Length: 110 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Highest tightness*



5 903968 660895 >	SWG
5 903968 660901 >	PRE
5 903968 660949 >	FWG

HAMMPACK®
building injection equipment

PI-SPH 10/150



When you need to go deeper. *The extended body allows you to bypass weaker layers (such as screeds) and anchor the injection packer in the target structural element.*

Technical parameters:

- *Material: steel*
- ***Injection hole diameter: ⌀10 mm***
- *Length: 150 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Highest tightness*



5 903968 666583 >	SWG
5 903968 666613 >	PRE
5 903968 666422 >	FWG

HAMMPACK®
building injection equipment

PI-SPH 10/200



***A solution for deep anchoring in complex structures**. It allows secure fastening in the load-bearing element, even beneath multiple layers (longer variants available).*

- *Material: steel*
- ***Injection hole diameter: ø10 mm***
- *Length: 200 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Highest tightness*



5 903968 666590 >	SWG
5 903968 666637 >	PRE
5 903968 666620 >	FWG

HAMMPACK®
building injection equipment

PI-SPHW 10/110
BRICK PACKER



*Special injector for **soft materials** such as brick or poor quality reinforced concrete, for joints etc.*
With anchor leaves and progressive diameter significantly facilitates the use and accelerates the injection work (faster assembly and disassembly).

- *Material: steel*
- ***Injection hole diameter: ø10 mm***
- *Length: 110 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Highest tightness*



5 903968 660918 >	SWG
5 903968 660925 >	PRE
5 903968 660956 >	FWG

HAMMPACK®
building injection equipment

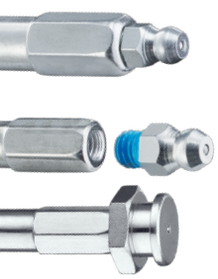
PI-SPH 12/110

REALLY ø12 PACKER



The injection packer is ideally suited for ø12 injection holes. Regardless of whether you are injecting in soft brick or hard reinforced concrete, ***it enters and piles up perfectly in every ø12 hole.***

- *Material: steel*
- ***Injection hole diameter: ø12 mm***
- *Length: 110 mm*
- *Seal length: 37 mm*
- *Wrench size: 10 mm*
- *Highest tightness*



5 903968 660994 >	SWG
5 903968 660987 >	PRE
5 903968 660970 >	FWG

HAMMPACK®
building injection equipment

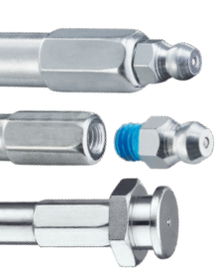
PI-SPH 14/110

STRONG PACKER



The injection packer is ideally suited for ø14 injection holes. *Whether injecting in soft brick or hard reinforced concrete, it enters and piles up perfectly in every ø14 hole. The packer is able to withstand ultra high pressures every time.*

- *Material: steel*
- ***Injection hole diameter: ø14 mm***
- *Length: 110 mm*
- *Seal length: 38 mm*
- *Wrench size: 10 mm*
- *Highest tightness*



5 903968 661038 >	SWG
5 903968 661021 >	PRE
5 903968 661014 >	FWG

HAMMPACK®
building injection equipment

A DEEPER LOOK AT THE DETAILS



What happens when your 10 mm drill bit is no longer 10 mm?

Smart Design (Our Standard)

Our standard **PI-SPH 10/110** packer is designed with a diameter of **approx. ø9.84 mm** to compensate for natural drill bit wear. Even when the bit loses a few tenths of a millimeter, it ensures a perfect fit and seal.

Technology for Demanding Jobs (Premium Solution)

For irregular or worn-out holes, the **PI-SPHW 10/110** packer with progressive wings guarantees tight anchoring and precise sealing.

Dedicated Imperial Precision (3/8" System)

For projects using imperial drills, the **PI-SPH 3/8"** packer (approx. **ø9.43 mm**) ensures perfect fit and full repeatability — from the first hole to the last.

"Precision is not just a number — it's a philosophy."

Hammpack®



IMPERIAL-SIZE INJECTION PACKERS



Dedicated to inch-based systems – precision you can feel.

Designed for professional use with imperial drill systems. Guarantees full repeatability, tightness, and reliability in every injection hole.

Ideal for international projects and specialized applications.



Model	Seal Diameter	Injection Hole Diameter
PI-SPH 3/8”	ø9,43 mm [0,371”]	ø3/8”
PI-SPH 10	ø9,84 mm [0,387”]	ø10 mm
PI-SPHW 10	ø9,84 - 11,4 mm (progressive wings)	ø10 mm
PI-SPH 1/2”	ø12,70 mm [0,50”]	ø1/2”
PI-SPH 14	ø13,30 mm [0,52”]	ø14 mm

Extension for Injection Packers

Thanks to the use of our innovative “Packer Connector” system, you do not have to buy a packer for a given length, from now you can extend the standard 110 mm packer by up to 15 cm / 30 cm.

Thanks to the use of the PI-SCREW with a special pre-application coating, we guarantee tightness even at high pressure.



STEEL PACKERS



FLOW RATE

Larger diameter packer, better flow?
A larger diameter can improve flow, but:
- The limiting factor is often the narrow hose, head, or the nozzle itself.
- Real flow still stops at the narrowest point in the system.

Therefore, a ø18 packer will not always give better results than a ø10 – it all depends on the entire system. From the pump hose to the nozzle and nozzle… the packer only completes the system.

The flow rate of the packer depends on the "narrow throat" formed by the injection nozzle.
The narrowest point can also be the diameter of the injection hose, nozzle, or feed hose.

Average flow of nozzles depends on the type and thread diameter:

- **m6x1 conical nipple SWG / PRE – approx. ø1mm [0.04 inches]** (polyurethane/epoxy resins, acrylic gels, silicates, water dispersions).

- **m6x1 flat nipple FWG / FPRE – approx. ø1.5mm [0.06 inches]** (polyurethane/epoxy resins, acrylic gels, silicates, water dispersions).

- **plastic conical nipple (PI-P 12/65 packer model) — approx. ø2mm** [0.08 inches] (polyurethane/epoxy resins, acrylic gels, silicates, water dispersions, cement suspensions up to 0.5mm grain size).

- **plastic flat nipple – approx. ø3mm [0.12 inches]** (polyurethane/epoxy resins, acrylic gels, silicates, water dispersions, cement suspensions with fine grain up to 0.75mm [0.03 inches]).

- **m10x1 / G 1/4' flat nipple – approx. ø4mm [0.16 inches]** (polyurethane/epoxy resins, acrylic gels, silicates, water dispersions, cement suspensions up to 1mm [0.04 inches] grain size), used in plastic and steel packers, as well as injection lances.

- **CPC pliers nozzle m10x1 / G 1/4' – approx. ø7.5mm [0.3 inches]** (polyurethane/epoxy resins, acrylic gels, silicates, water dispersions, cement suspensions up to 2mm [0.08 inches] grain size), used in plastic and steel packers, as well as injection lance.

LEGEND



SWG Injection Nipple SWG (by Hammpack®)

Opening pressure: ≈ 6 BAR

Our flagship standard of professional tightness. ***Ensures perfect connection and reliably maintains back pressure.*** *The choice for the most demanding professionals, perfectly compatible with all types of packers and pumps.*



PRE Injection Nipple (by Hammpack®)

Opening pressure: ≈ 6 BAR

A specialized version of the SWG nipple, designed for professionals performing crack venting. ***The thread is coated with a factory-applied sealing layer,*** *guaranteeing perfect tightness when screwed in. Indispensable for monitoring material flow between packer sections.*



ECO Injection Nipple

Opening pressure: ≈ 6 BAR

An economical nipple designed for injecting dense materials, greases, etc. It provides tight material delivery but does not maintain back pressure well, which may cause leakage when working with low-viscosity materials under back or gravitational pressure. Its price is exceptionally attractive. Due to our professional standards, ***we do not recommend using this nipple****; however, as some of our clients have adopted it, it remains available in our offer.*



Mechanically tightened nipple with anaerobic adhesive

This type maintains tightness even under very high pressures.



FWG Flat Injection Nipple (by Hammpack®)

Opening pressure: ≈ 6 BAR

A professional flat nipple designed for a secure connection with flat couplings. Its construction ***ensures maximum tightness and durability under high pressure, with no backflow leakage. Available upon request also in the FPRE version, featuring a factory-applied coating on the thread, designed for crack venting.***



One-Day packers (two-valve type)

Allow completion of work on the same day without waiting for the resin to set.

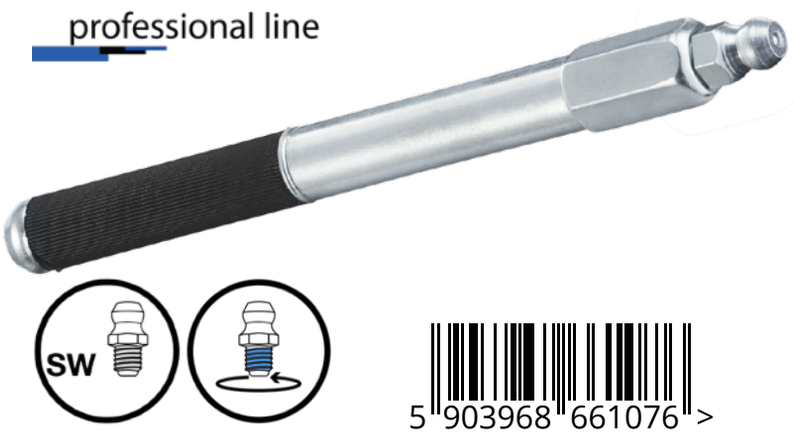


Hammer-in packers

The packer is installed by driving it into the injection hole using a manual or mechanical hammering tool.

STEEL PACKERS

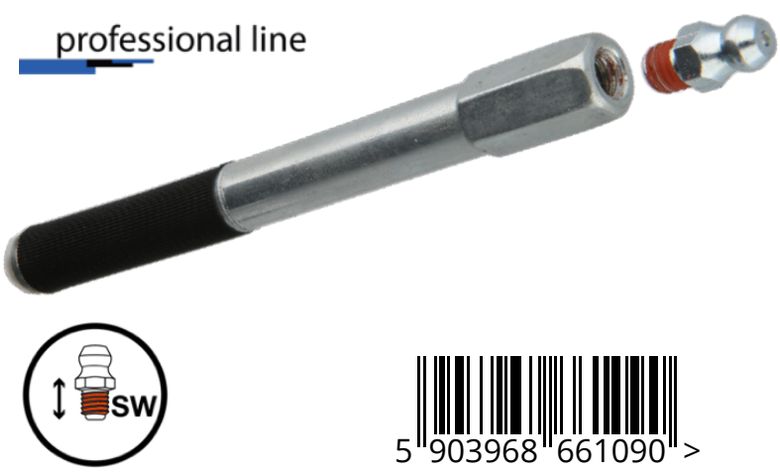
*Steel injectors from the Professional Line series, equipped with **high-quality SWG / PRE / FWG / FPRE nipples (by Hammpack®).** The injector provides excellent tightness and perfect anchoring. Suitable for all types of injection. It guarantees outstanding sealing performance of both the nipple and the expansion section, for both high-pressure and low-pressure injections. The nipple can be replaced with other types of connectors if required.*



STEEL PACKER 10/110

Index: PI-SPM 10/110swg

- *Material: **steel***
- ***Injection hole diameter: ø10 mm***
- *Length: 110 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Single seal*



STEEL PACKER 10/110

Index: PI-SPM 10/110pre

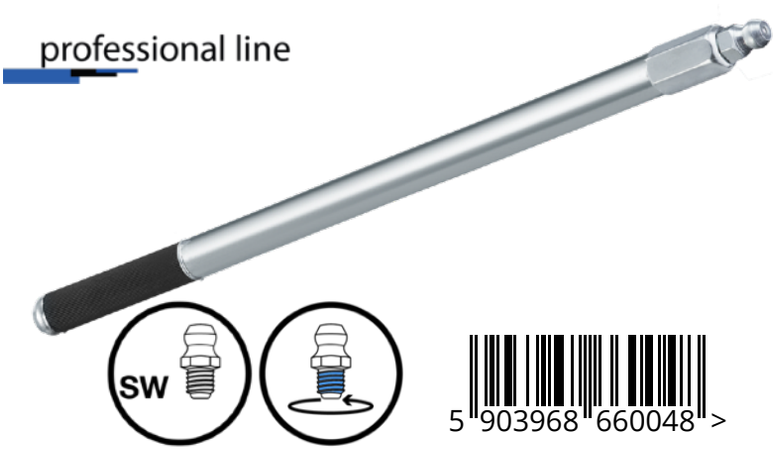
- *Material: steel*
- ***Injection hole diameter: ø10 mm***
- *Length: 110 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Single seal*



STEEL PACKER 10/110

Index: PI-SPM 10/110fwg

- *Material: steel*
- ***Injection hole diameter: ø10***
- *Length: 110 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Single seal*
- *FWG Nipple (available: FPRE)*



STEEL PACKER 10/200

Index: PI-SPM 10/200swg

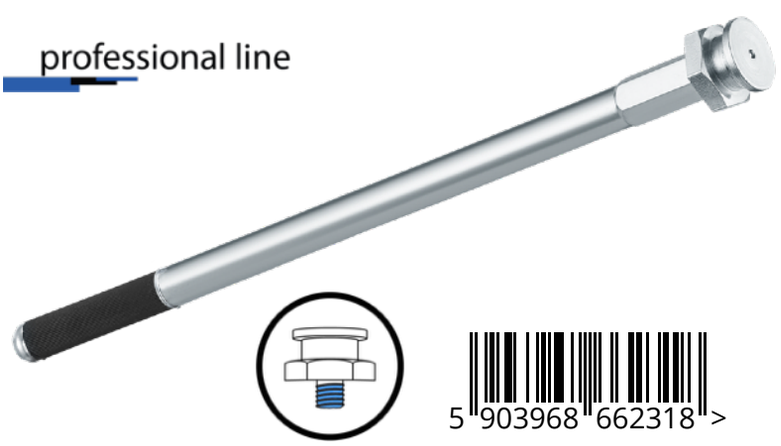
- *Material: steel*
- ***Injection hole diameter: ø10 mm***
- *Length: 200 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Single seal*



STEEL PACKER 10/200

Index: PI-SPM 10/200pre

- *Material: steel*
- ***Injection hole diameter: ø10 mm***
- *Length: 200 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Single seal*



STEEL PACKER 10/200

Index: PI-SPM 10/200fwg

- *Material: steel*
- ***Injection hole diameter: ø10 mm***
- *Length: 200 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Single seal*
- *FWG Nipple (available: FPRE)*

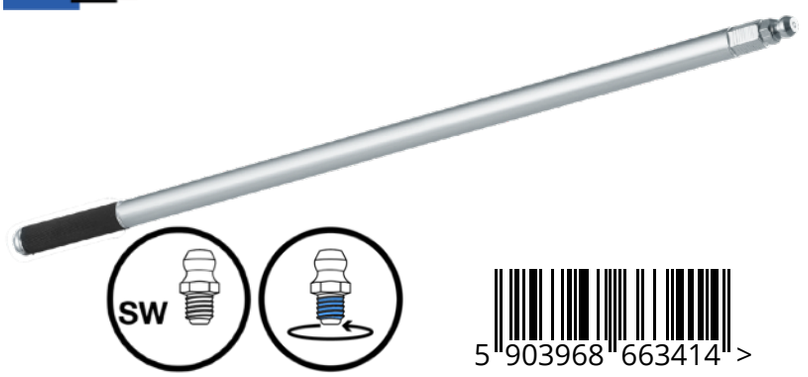


STEEL PACKER 10/120

Index: PI-SPM 10/120fwg

- *Material: steel*
- ***Injection hole diameter: ø10 mm***
- *Length: 120 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Single seal*
- *High-flow flat nipple*

professional line

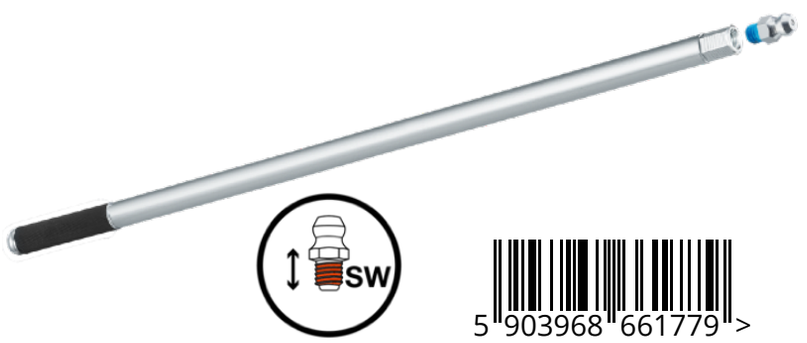


STEEL PACKER 10/300

Index: PI-SPM 10/300swg

- *Material: steel*
- ***Injection hole diameter: ø10 mm***
- *Length: 300 mm*
- *Seal length: 39 mm*
- *Wrench size: 8 mm*
- *Single seal*

professional line

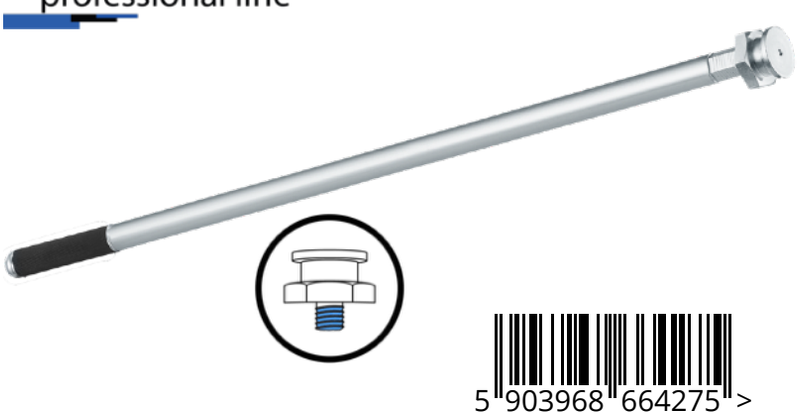


STEEL PACKER 10/300

Index: PI-SPM 10/300pre

- *Material: steel*
- ***Injection hole diameter: ø10 mm***
- *Length: 300 mm*
- *Seal length: 39 mm*
- *Wrench size: 8 mm*
- *Single seal*

professional line

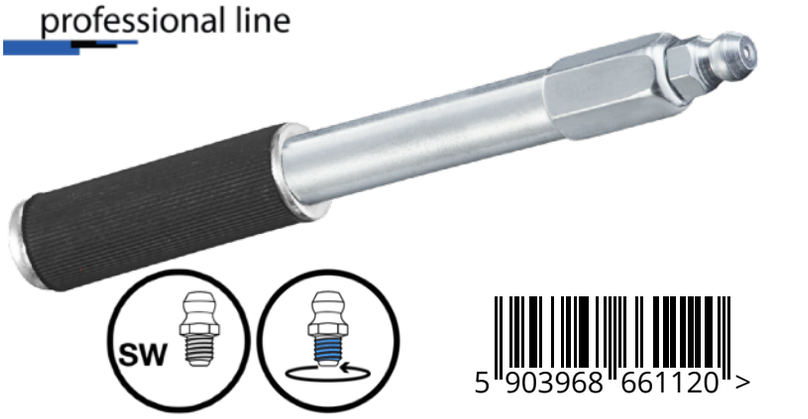


STEEL PACKER 10/300

Index: PI-SPM 10/300fwg

- *Material: steel*
- ***Injection hole diameter: ø10 mm***
- *Length: 300 mm*
- *Seal length: 39 mm*
- *Wrench size: 8 mm*
- *Single seal*
- *FWG Nipple (available: FPRE)*

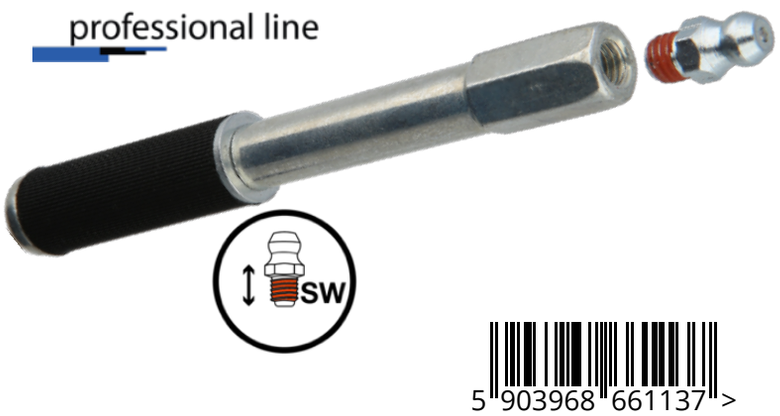
professional line



STEEL PACKER 13/110

Index: PI-SPM 13/110swg

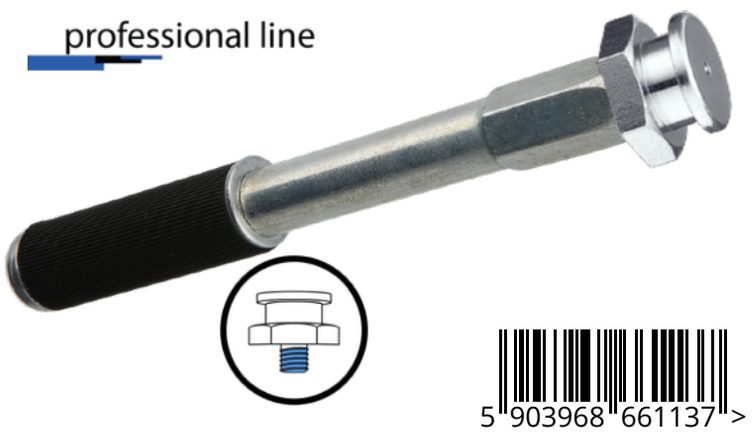
- *Material: steel*
- ***Injection hole diameter: ø14 mm***
- *Length: 110 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Single seal*



STEEL PACKER 13/110

Index: PI-SPM 13/110pre

- *Material: steel*
- ***Injection hole diameter: ø14 mm***
- *Length: 110 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Single seal*



STEEL PACKER 13/110

Index: PI-SPM 13/110fwg

- *Material: steel*
- ***Injection hole diameter: ø14 mm***
- *Length: 110 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Single seal*
- *FWG Nipple (available: FPRE)*



STEEL PACKER 13/120

Index: PI-SPM 13/120fwg

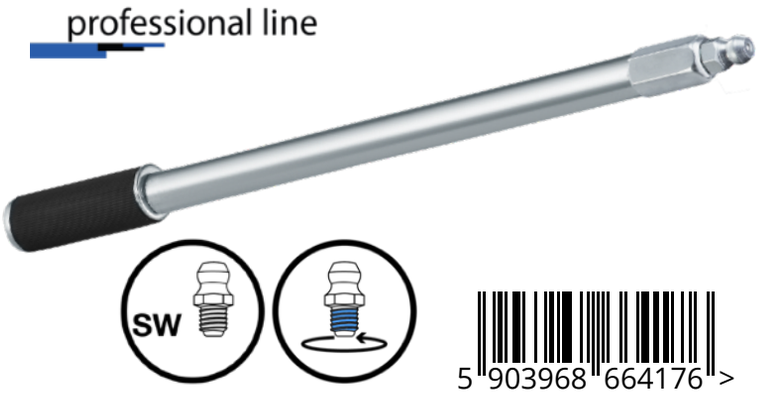
- *Material: steel*
- ***Injection hole diameter: ø14 mm***
- *Length: 120 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Single seal*
- *High-flow flat nipple*



STEEL PACKER 13/170

Index: PI-SPM 13/170fwg

- *Material: steel*
- ***Injection hole diameter: ø14 mm***
- *Length: 170 mm*
- *Seal length: 39 mm*
- *Single seal*
- *High-flow flat nipple*



STEEL PACKER 13/200

Index: PI-SPM 13/200swg

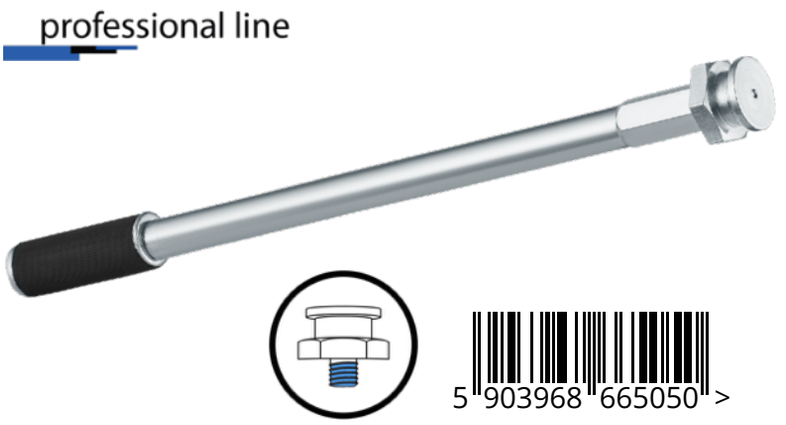
- *Material: steel*
- ***Injection hole diameter: ø14 mm***
- *Length: 200 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Single seal*



STEEL PACKER 13/200

Index: PI-SPM 13/200pre

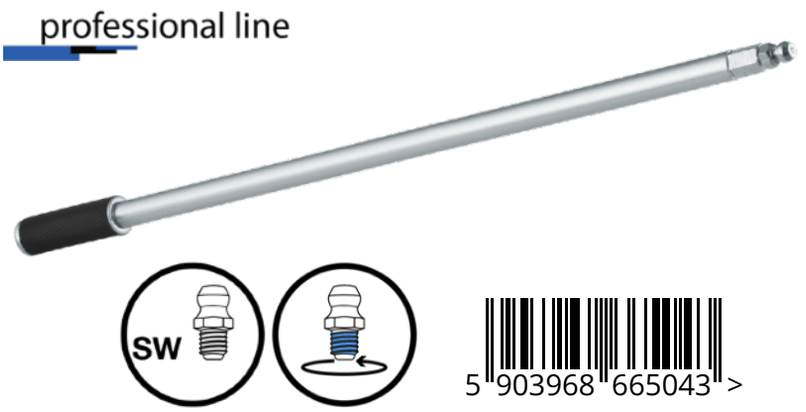
- *Material: steel*
- ***Injection hole diameter: ø14 mm***
- *Length: 200 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Single seal*



STEEL PACKER 13/200

Index: PI-SPM 13/200fwg

- *Material: steel*
- ***Injection hole diameter: ø14 mm***
- *Length: 200 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Single seal*
- *FWG Nipple (available: FPRE)*



STEEL PACKER 13/300

Index: PI-SPM 13/300swg

- *Material: steel*
- ***Injection hole diameter: ø14 mm***
- *Length: 300 mm*
- *Seal length: 39 mm*
- *Wrench size: 8 mm*
- *Single seal*

professional line

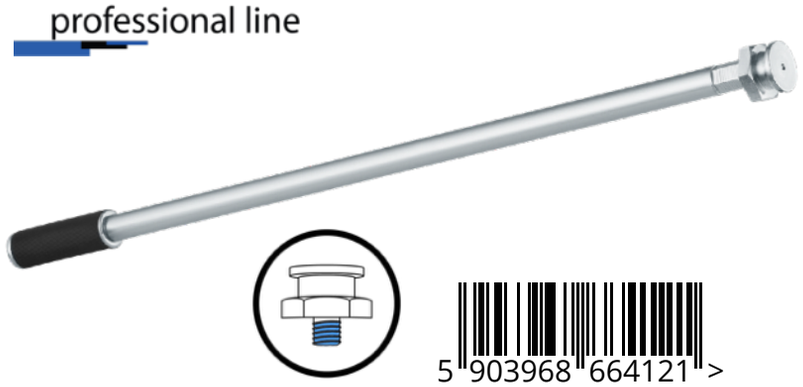


STEEL PACKER 13/300

Index: PI-SPM 13/300pre

- *Material: steel*
- ***Injection hole diameter: ø14 mm***
- *Length: 300 mm*
- *Seal length: 39 mm*
- *Wrench size: 8 mm*
- *Single seal*

professional line

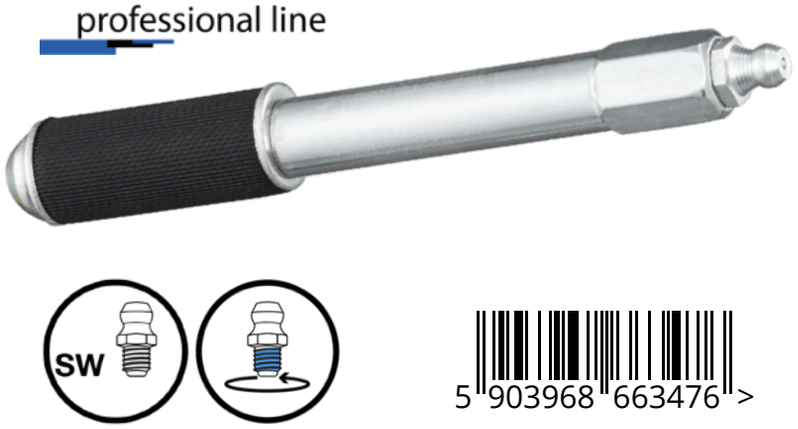


STEEL PACKER 13/300

Index: PI-SPM 13/300fwg

- *Material: steel*
- ***Injection hole diameter: ø14 mm***
- *Length: 300 mm*
- *Seal length: 39 mm*
- *Wrench size: 8 mm*
- *Single seal*
- *FWG Nipple (available: FPRE)*

professional line



STEEL PACKER 16/130

Index: PI-SD 16/130swg

- *Material: steel*
- ***Injection hole diameter: ø16 mm***
- *Length: 130 mm*
- *Seal length: 32 mm*
- *Wrench size: 10 mm*
- *Single seal*

professional line



STEEL PACKER 16/170

Index: PI-SPM 16/170fwg

- *Material: steel*
- ***Injection hole diameter: ø16 mm***
- *Length: 170 mm*
- *Seal length: 32 mm*
- *Single seal*
- *High-flow flat nipple*

professional line



5 903968 666545 >

STEEL PACKER 16/300

Index: PI-SPM 16/300fwg

- *Material: steel*
- ***Injection hole diameter: ø16 mm***
- *Length: 300 mm*
- *Seal length: 37 mm*
- *Single seal*
- *High-flow flat nipple*

professional line



5 903968 667641 >

STEEL PACKER 18/160

Index: PI-SPM 18/160fwg

- *Material: steel*
- ***Injection hole diameter: ø18 mm***
- *Length: 160 mm*
- *Seal length: 39 mm*
- *Single seal*
- *High-flow flat nipple*

professional line



5 903968 665906 >

STEEL PACKER 18/300

Index: PI-SD 18/300fwg

- *Material: steel*
- ***Injection hole diameter: ø18 mm***
- *Length: 300 mm*
- *Seal length: 67 mm*
- *Wrench size: 17 mm*
- *Single seal*
- *High-flow flat nipple*

ADHESIVE PACKERS

professional line



STEEL ADHESIVE PACKER

Index: PI-SG M8

- *Material: steel*
- *SWG nipple grease m8x1*

5 903968 661168 >

professional line



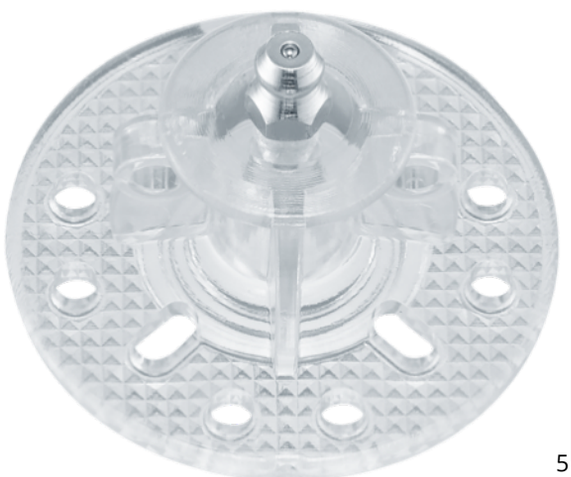
PLASTIC ADHESIVE PACKER

Index: PI-PG M6

- *Material: **plastic***
- *SWG nipple M6x1*
- *Height: 34 mm*
- *Adhesive surface: 51 mm*
- *It can be used with a maximum injection pressure of up to 60 bar when bonding high quality adhesives to solid surfaces.*
- *Color: Black*

5 903968 666927 >

professional line



PLASTIC ADHESIVE PACKER

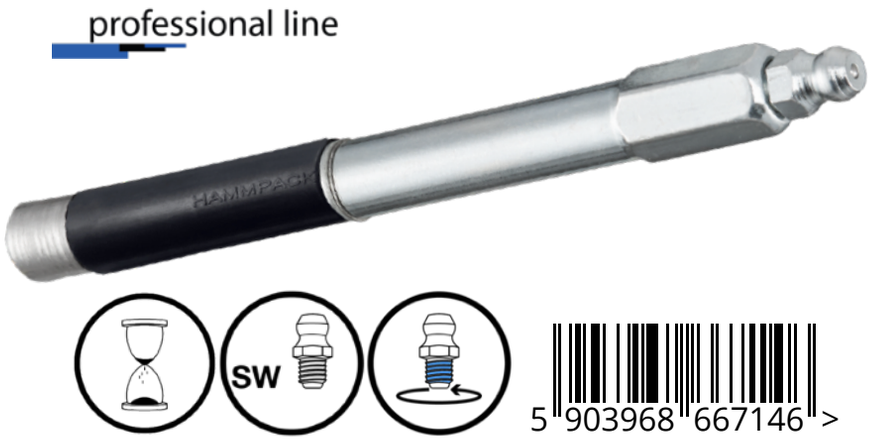
Index: PI-PG M6

- *Material: **plastic***
- *Nipple M6x1*
- *Height: 34 mm*
- *Adhesive surface: 51 mm*
- *It can be used with a maximum injection pressure of up to 60 bar when bonding high quality adhesives to solid surfaces.*
- *Color: Transparent*
- *SWG / FWG Nipple (available: PRE / FPRE)*

5 903968 666972 >

ONE DAY PACKERS

They allow you to finish the job right after injection by using a back pressure valve in the strut part and a valve ring.



STEEL PACKER 10/110

Index: PI-SPHX 10/110e

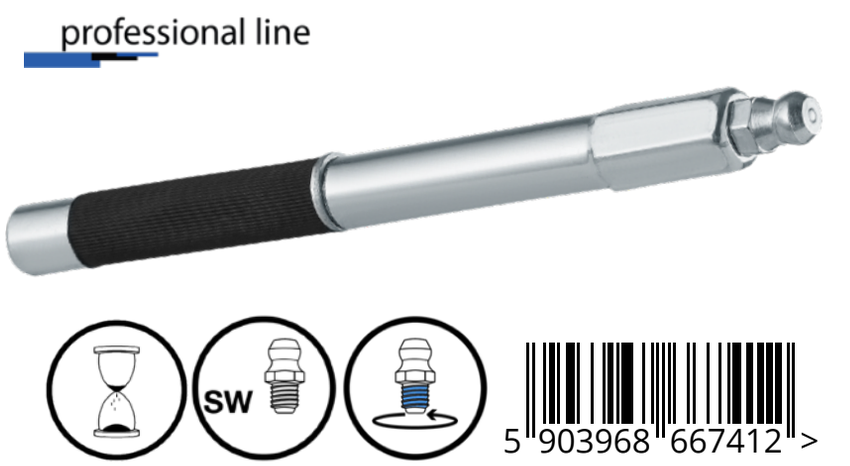
- *Material: steel*
- ***Injection hole diameter: ⌀10 mm***
- *Length: 110 mm **(available: 300 mm)***
- *Seal length: 49 mm*
- *Wrench size: 10 mm*
- *Single seal*
- *Rubber stamped with the HAMMPACK logo*



STEEL PACKER 10/110

Index: PI-SPHX 10/110f

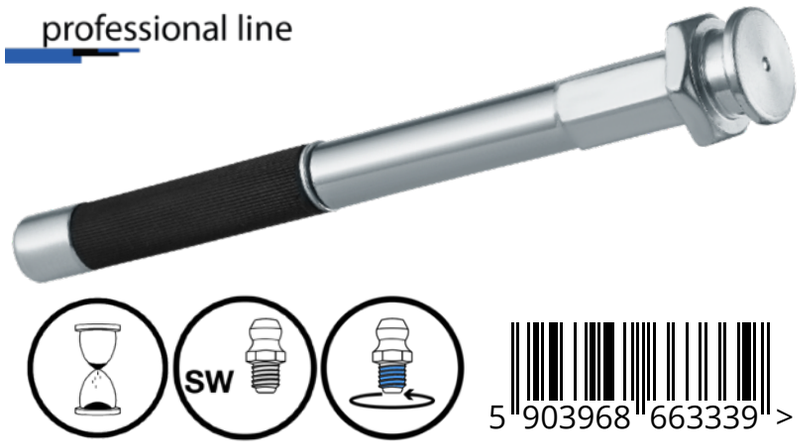
- *Material: steel*
- ***Injection hole diameter: ⌀10 mm***
- *Length: 110 mm **(available: 300 mm)***
- *Seal length: 49 mm*
- *Wrench size: 10 mm*
- *Single seal*
- *Flat nipple*
- *Rubber stamped with the HAMMPACK logo*



STEEL PACKER 10/110

Index: PI-SPX 10/110e

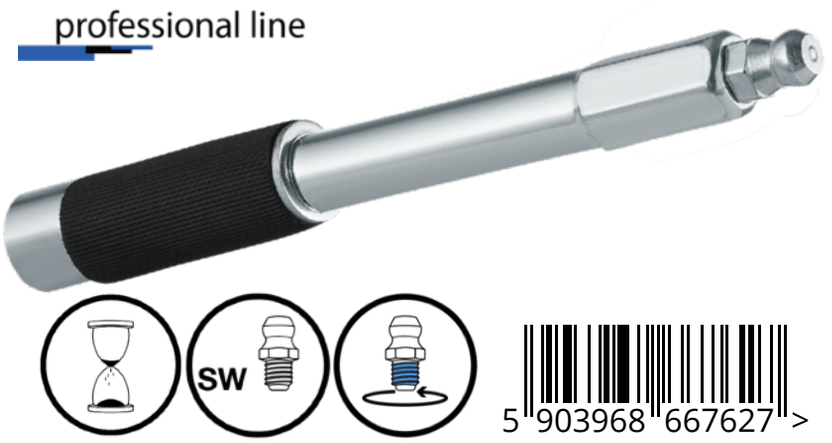
- *Material: steel*
- ***Injection hole diameter: ⌀10 mm***
- *Length: 110 mm **(available: 300 mm)***
- *Seal length: 49 mm*
- *Wrench size: 10 mm*
- *Single seal*



STEEL PACKER 10/110

Index: PI-SPX 10/110f

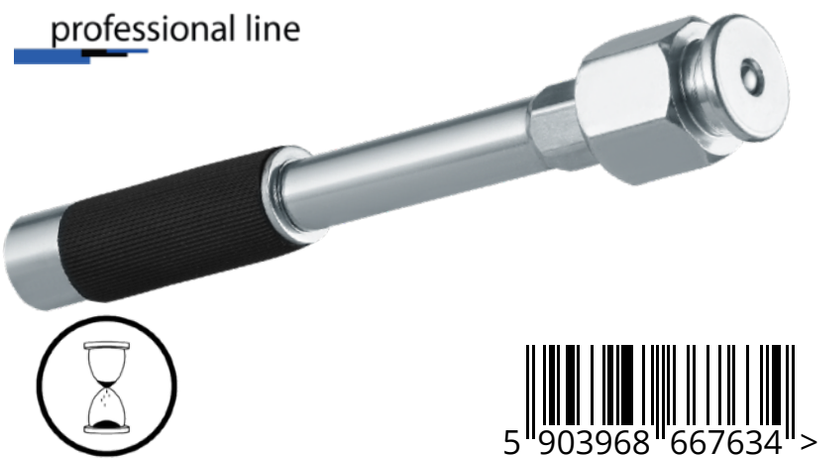
- *Material: steel*
- ***Injection hole diameter: ø10 mm***
- *Length: 110 mm* ***(available: 300 mm)***
- *Seal length: 49 mm*
- *Wrench size: 10 mm*
- *Single seal*
- *Flat nipple*



STEEL PACKER 13/110

Index: PI-SPX 13/110e

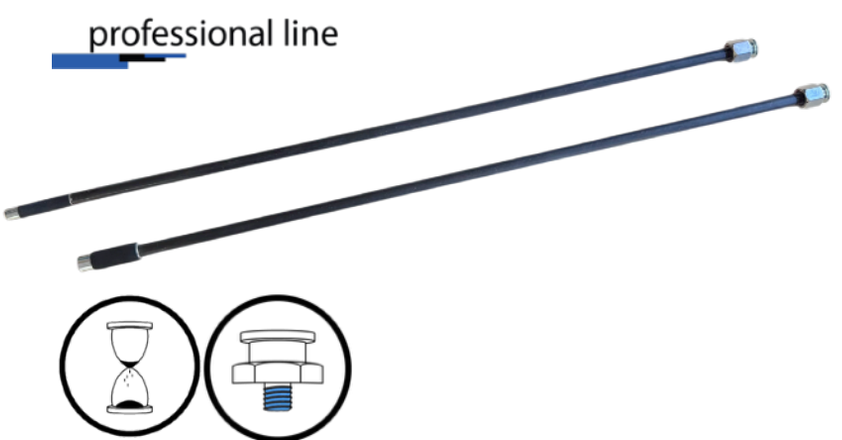
- *Material: steel*
- ***Injection hole diameter: ø14 mm***
- *Length: 110 mm* ***(available: 300 mm)***
- *Seal length: 49 mm*
- *Wrench size: 10 mm*
- *Single seal*



STEEL PACKER 13/110

Index: PI-SPX 13/110f

- *Material: steel*
- ***Injection hole diameter: ø14 mm***
- *Length: 110 mm*
- *Seal length: 49 mm*
- *Wrench size: 10 mm*
- *Single seal*
- *High-flow flat nipple*



STEEL PACKER 13/600

Index: PI-SPX 13/600f

- *Material: steel*
- ***Injection hole diameter: ø14 mm (available ø10 mm)***
- *Length: 600 mm*
- *Seal length: 49 mm*
- *Single seal*
- *High-flow flat nipple*

ALUMINIUM PACKERS

Aluminum packers from the Professional Line, equipped ***with high-quality SWG / PRE nipples (by Hammpack®)***



ALUMINUM PACKER 10/100

Index: PI-A 10/100swg

- *Material: aluminum / (steel)*
- ***Injection hole diameter: ø10 mm***
- ***Length: 100 mm***
- *Sealing length: 25 mm*
- *Wrench size: 8 mm*
- *Split rubber*
- ***Available versions: SWG, PRE, FWG, FPRE***
- ***Available on request:***
  100% aluminum version (with aluminum pin)



ALUMINUM PACKER 13/100

Index: PI-A 13/100swg

- *Materiał: aluminum / stal*
- ***Injection hole diameter: ø14 mm***
- *Length: 100 mm*
  (dostępne: 150, 200, 300, 450)
- *Sealing length: 33 mm*
- *Wrench size: 10 mm*
- *Split rubber*
- ***Available versions: SWG, PRE, FWG, FPRE***



ALUMINUM PACKER 13/100

Index: PI-A 13/100pre

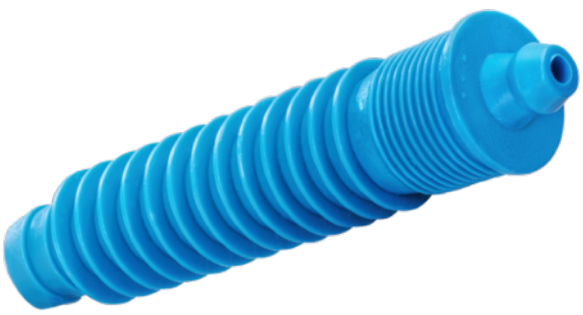
- *Materiał: aluminum / stal*
- ***Injection hole diameter: ø14 mm***
- *Length: 100 mm*
  (dostępne: 150, 200, 300, 450)
- *Sealing length: 33 mm*
- *Wrench size: 10 mm*
- *Split rubber*
- ***Available versions: SWG, PRE, FWG, FPRE***

PLASTIC PACKERS

Plastic hammer-in packers, ideal for applications that do not require high pressure. Low valve opening pressure (gravitational valves). These packers are suitable both for structure saturation and curtain injections. Perfect for injecting water-based solutions, silicates, injection resins, and gels.

PLASTIC PACKER 12/65

Index: PI-PH 12/65

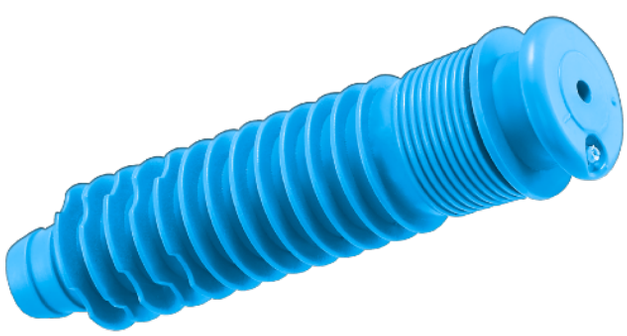


- *Material: plastic*
- ***Injection hole diameter: ø12 mm***
- *Length: 65 mm*

5 903968 660710 >

PLASTIC PACKER 12-14/65F

Index: PI-PH 12-14/65F



- *Material: plastic*
- ***Injection hole diameter: ø12-14 mm***
- *Length: 65 mm*
- *Maximum injection pressure:* ***80 BAR***

5 903968 667429 >

PACKER BEATER

Index: POD-CEM



- *Length: 130 mm*
- *Bore:* ***ø13 mm***
- *Fits to PI-CEM 18/110, PI-CEM 14/100 packers*

5 903968 663797 >



5 903968 667481 >

PLASTIC PACKER 12/75

Index: PI-P 12/75

- *Material: plastic*
- ***Injection hole diameter: ø12 mm***
- *Length: 75mm*
- *Maximum injection pressure:* ***80 BAR***



5 903968 667207 >

PLASTIC PACKER 10/80

Index: PI-PS 10/80swg

- *Material: plastic*
- *Steel nipple SWG*
- ***Injection hole diameter: ø10 mm***
- *length: 80mm*
- *maximum injection pressure:* ***150 BAR***



5 903968 667474 >

PLASTIC PACKER 12/80

Index: PI-PS 12/80swg

- *Material: plastic*
- *Steel nipple SWG*
- ***Injection hole diameter: ø12 mm***
- *Length: 80mm*
- *Maximum injection pressure:* ***150 BAR***



5 903968 660697 >

PLASTIC PACKER 6,5/27

Index: PI-P 6,5/27

- *Material: plastic*
- ***Injection hole diameter: ø6 mm***
- *Length: 27 mm*
- *For CPX-T nozzle*



5 903968 663100 >

PLASTIC PACKER 18/115

Index: PI-PC 18/115

- *Material: plastic*
- ***Injection hole diameter: ø18 mm***
- *Length: 115 mm*
- *Maximum injection pressure: **30 BAR***
- *Compressor connection*
- ***Optional: without check valve***



5 903968 667375 >

PLASTIC PACKER 18/120

Index: PI-P 18/120

- *Material: plastic*
- ***Injection hole diameter: ø18 mm***
- *Length: 120 mm*
- *Equipped with a quick coupler for injection pliers*
- *Maximum injection pressure: **25 BAR***



5 903968 667498 >

PLASTIC PACKER 18/120

Index: PI-P 18/120FLAT

- *Material: plastic*
- ***Injection hole diameter: ø18 mm***
- *Length: 120 mm*
- *Equipped with a flat head with a slider.*
- *Maximum injection pressure: **50 BAR***

ECONOMY PACKERS

*Economy packers with **budget ECO nipple, mechanically tightened.***



ECO Injection Nipple

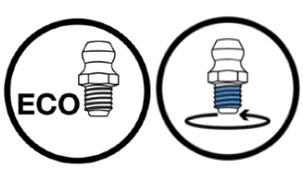
Opening pressure: ≈ 6 BAR

An economical nipple designed for injecting dense materials, greases, etc. It ensures tight material delivery but does not maintain back pressure well, which may cause leakage when working with low-viscosity materials under back or gravitational pressure.

If you are looking for the highest quality, we recommend using the Professional Line or premium Hammpack® packers.

economy line





5 903968 661045 >

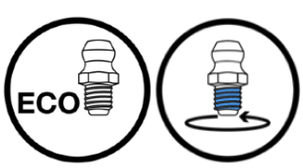
ALUMINIUM PACKER 10/100eco

Index: PI-A 10/100eco

- *Material: aluminum*
- ***Injection hole diameter: ø10 mm***
- *Length: 100 mm*
- *Seal length: 25 mm*
- *Wrench size: 8 mm*
- *Split rubber*

economy line





5 903968 661052 >

ALUMINIUM PACKER 13/100eco

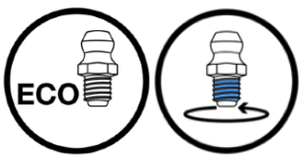
Index: PI-A 13/100eco

- *Material: aluminum*
- ***Injection hole diameter: ø14 mm***
- *Length: 100 mm (available: 85, 135, 150)*
- *Seal length: 33 mm*
- *Wrench size: 10 mm*
- *Split rubber*

Our most popular steel packers are now available in an economical version. The packer (steel body with expansion rubber) is identical to the professional version — the only difference lies in the use of the budget ECO nipple (see legend).

economy line





5 903968 661069 >

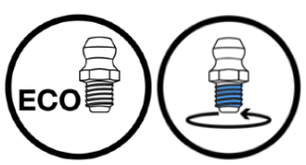
STEEL PACKER 10/110eco

Index: PI-SPM 10/110eco

- *Material: steel*
- ***Injection hole diameter: ø10 mm***
- *Length: 110 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Single seal*
- *Packer economy line series*

economy line





5 903968 661083 >

STEEL PACKER 13/110eco

Index: PI-SPM 13/110eco

- *Material: steel*
- ***Injection hole diameter: ø14 mm***
- *Length: 110 mm*
- *Seal length: 39 mm*
- *Wrench size: 10 mm*
- *Single seal*
- *Packer economy line series*



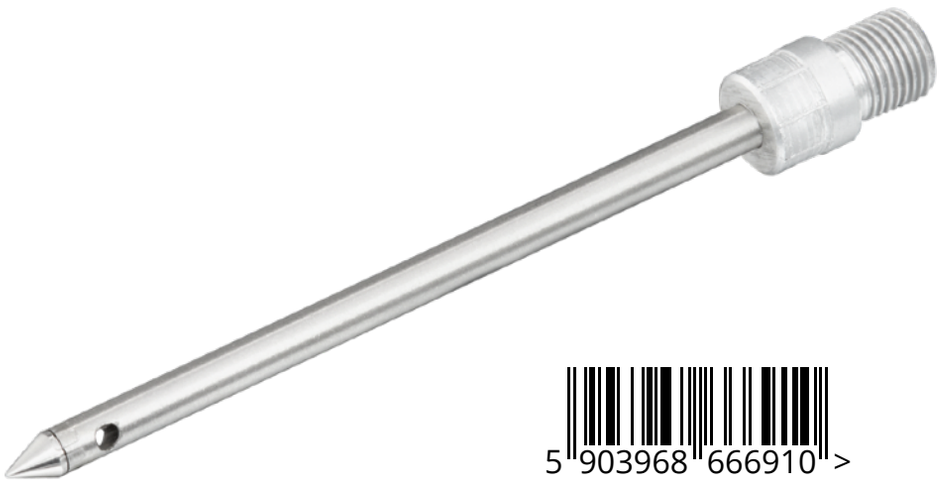
5 903968 663964 >

BUCKLE FOR CALAMITERS

Index: PI-CAPS

- *Material: plastic*
- *For dripping nipples*
- *Eliminates resin leaks*

INJECTION NEEDLE



5 903968 666910 >

INJECTION NEEDLE

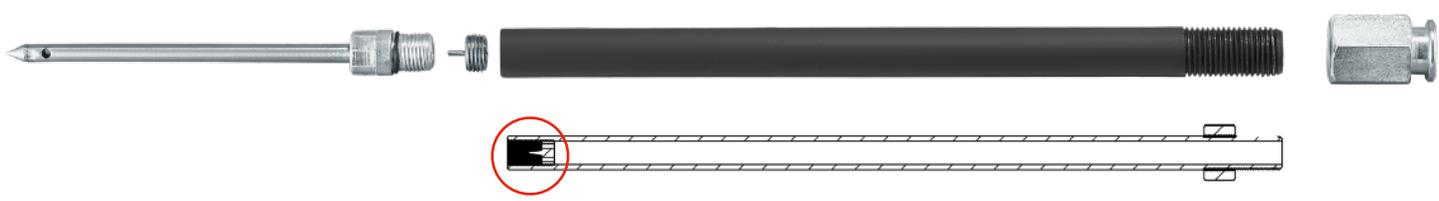
- *Material:* ***stainless steel / aluminium***
- *Outlet openings lateral: ⌀2,8 mm*
- ***Needle diameter: ⌀5 mm***
- *Length: 110 mm (available: 180 mm)*
- *External thread: M10x1*
- *Opening pressure: 10 bar*



5 903968 667528 >

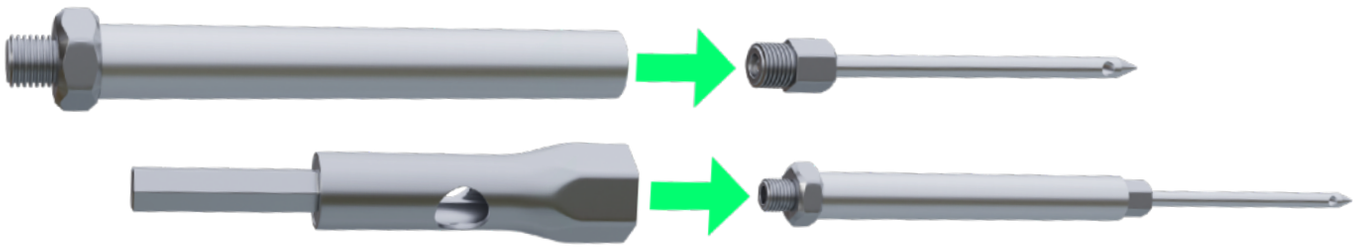
INJECTION PIPE

- *Material: steel*
- ***Diameter: ⌀13***
- *Length: 300 mm or 500mm*
- *Wrench size: 17 mm*
- *Internal thread: M10x1*
- *External thread: G1/4"*
- ***With valve opener***
- *Fit to injection needle*

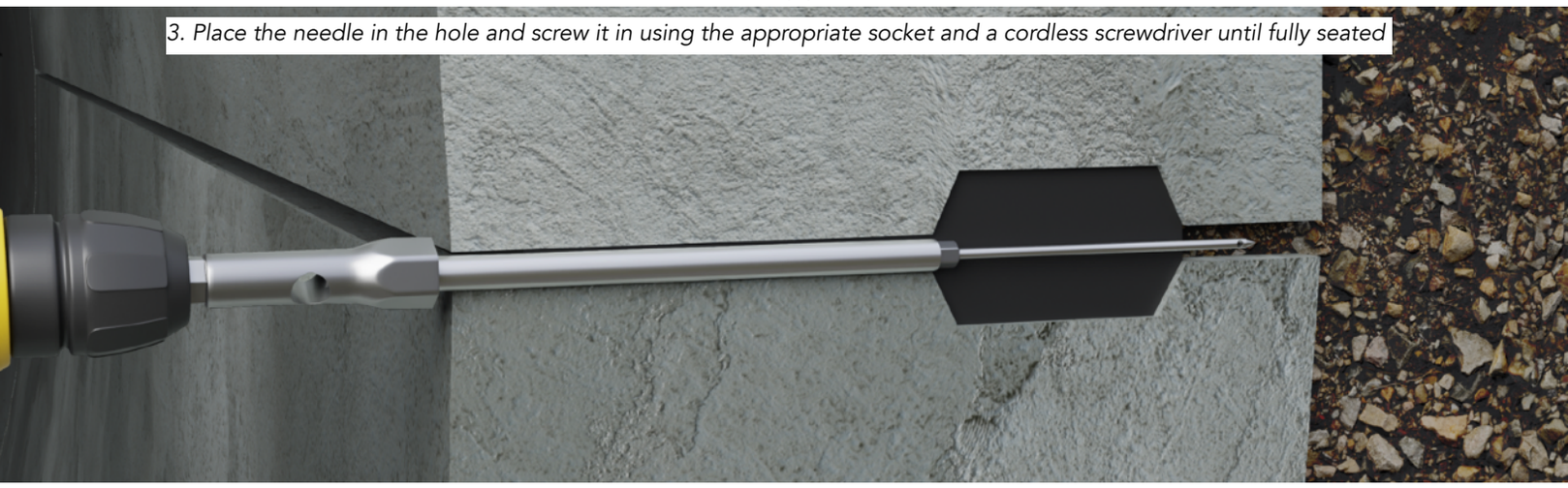




1. Drill to the sealing zone



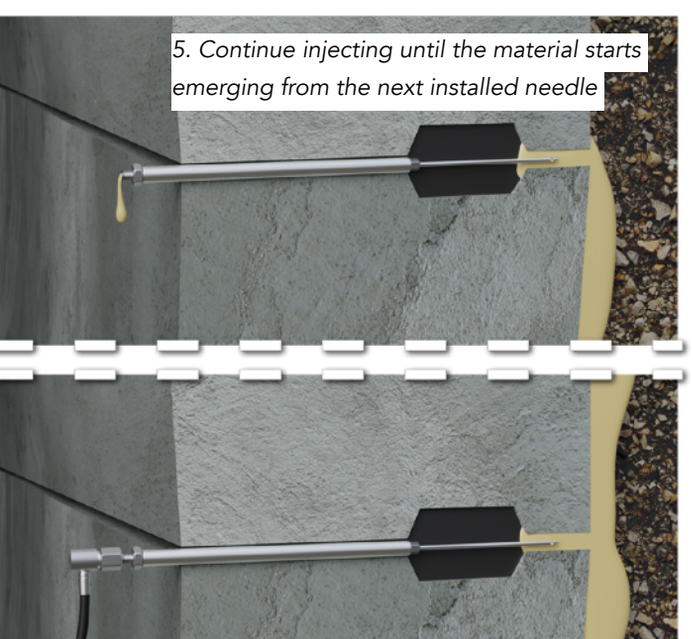
2. Assemble the injection needle together with the injection pipe



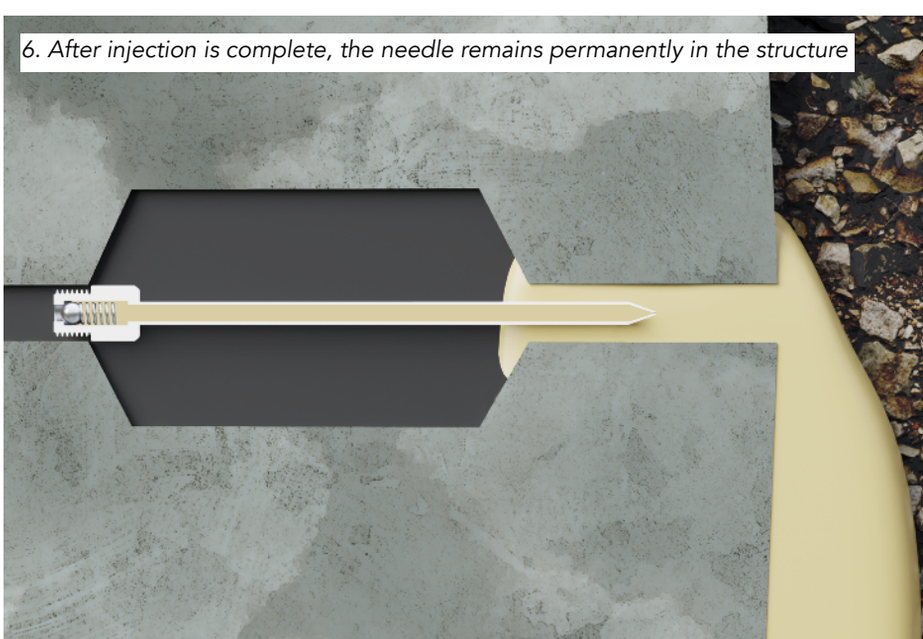
3. Place the needle in the hole and screw it in using the appropriate socket and a cordless screwdriver until fully seated



4. Start the injection with the selected sealing material



5. Continue injecting until the material starts emerging from the next installed needle



6. After injection is complete, the needle remains permanently in the structure

COLLIMATOR



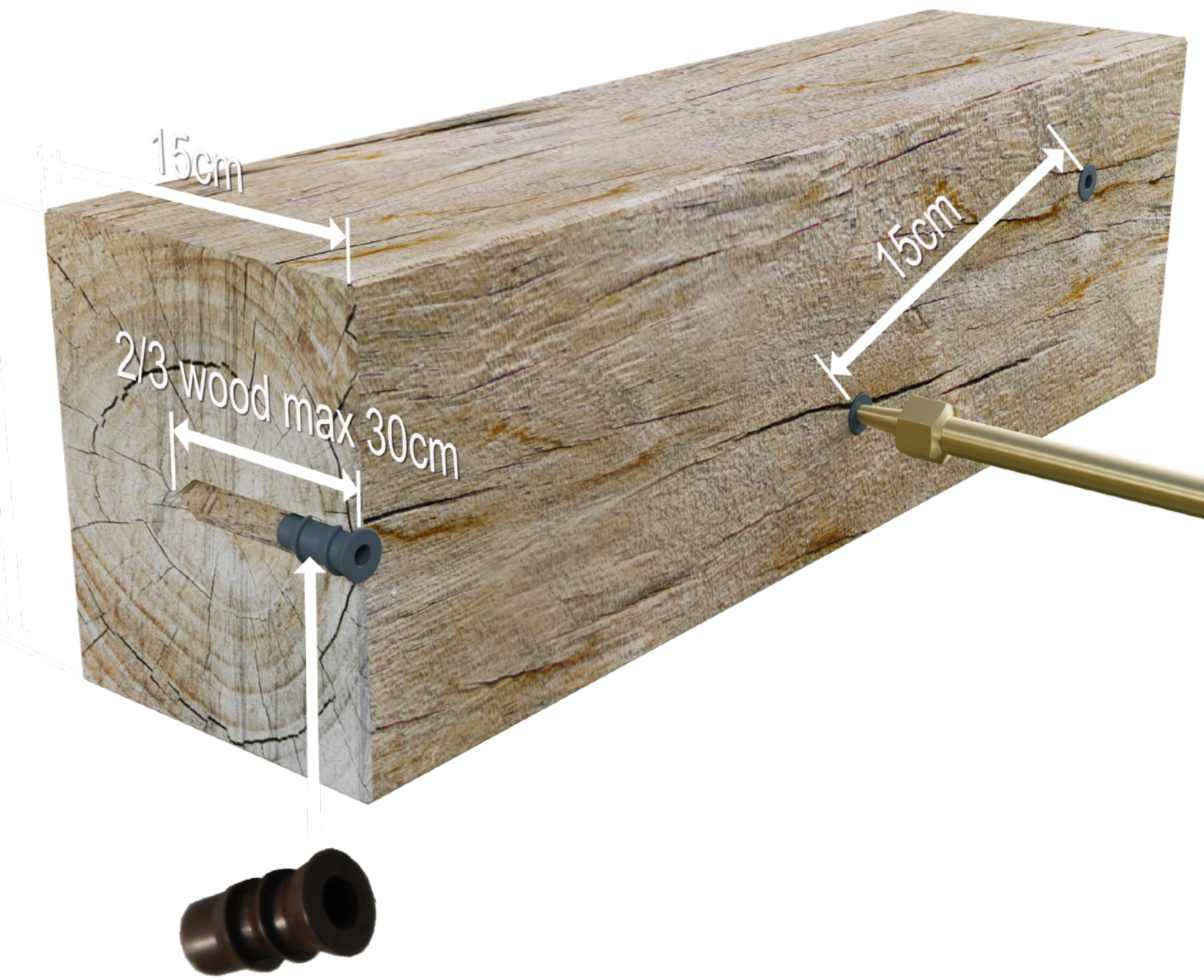
- *Indicates up–down angles*
- *Fits most drill models*
- *Handle-mount (ø7 mm)*
- *Powered by 2x AAA batteries*

The Hammpack® electronic collimator, mounted in the handle slot of most drills, transforms the injection process. Determining the correct drilling angle is no longer a guessing game — it becomes a fully repeatable, automated procedure to ensure accurate drilling.

The tool provides real-time digital angle control, guaranteeing compliance with design parameters and forming the foundation of an effective injection process that ensures the tightness of the entire system.



WOOD INJECTION



PLASTIC PACKER 6,5/15

Index: PI-P 6,5/15

HAMMPACK®
building injection equipment





5 903968 660536 >

PLASTIC PACKER 6,5/15

Index: PI-P 6,5/15

- *Maximum recommended pressure: 30 BAR*
- *Material : plastic*
- ***Injection hole diameter: ⌀6 mm***
- *Length: 15 mm*
- *For cone socket*

Plastic hammer-in wood packer with check valve and conical socket connection. The injector remains permanently embedded in the structure, allowing for repeated saturation with the injection composition. Its color and size make it perfectly camouflaged within the material.



5 903968 660499 >

Hole cover, wood packers Pi-P 6,5/15

Technical parameters:

- *Masking for PI-P 6,5/15*
- *Reusable cover plate.*
- *Color: white, pine, ebony*



5 903968 660659 >

CPW socket for 6.5/15 pacers

Technical parameters:

- *Suitable for PI-P 6,5/15 pacer*
- *Female thread m10x1*
- *Material brass CW617N*

CPW push-in socket *for wood injection, dedicated to injection packer PI-P 6,5/15. The socket operates on a pressure-fit principle and is practically indestructible under normal use. It is made of CW617N brass and finished with a female M10x1 thread.*

Wood injection adapter PI-P 6,5/15

Index: CPW

- *Material: brass CW617N*
- *Female thread m10x1*
- *Length 120 mm*
- *For PI-P 6,5/15 packer*



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5 903968 660666 >

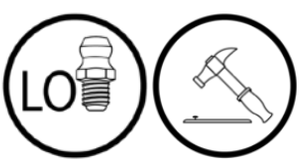
Injection gun for wood injection

Technical parameters:

- *Pump connection 1/4" thread*
- *Lightweight, proven design*
- *Suitable for injection into wood*
- *Proven lightweight and durable design*
- *Material: brass, steel*

Brass tube with M10x1 thread, equipped with a CPW socket.
The tube allows installation of the CPX socket (for wood packers with conical socket PI-P 6.5/27). The adapter, also featuring a female M10x1 thread, enables connection of an injection hose and a CPF socket. The gun-style nozzle itself has a 1/4-inch connection.





5 903968 660697 >

PLASTIC PACKER 6/27

Index: PI-P 6,5/27

Technical parameters:

- *Maximum recommended pressure: 30 BAR*
- *Material : PLASTIC*
- ***Injection hole diameter: ø6 mm***
- *Length: 27 mm*
- *For CPX-T*

Hammer-in wood packer with check valve. *The packer can be easily removed by cutting or pulling it out. Designed for use with a four-jaw socket (we recommend the CPX-T type for higher tightness). The packer can also be used for injections under slabs or in delicate structural elements.*



5 903968 660741 >

CPX-T

Index: CPX-T

Technical parameters:

- *Provides a high-tightness connection to the ridge*
- *Chemically resistant teflon seal*
- *Fits plastic pacers*
- *Thread m10x1*

CEMENT INJECTIONS



CEMENT PACKERS

Application: *Sealing injections, filling injections.*
Materials: *Cement suspensions, water dispersions, etc. The injector, thanks to its large flow diameter, allows the injection of materials with higher density or granularity.*



5 903968 663742 >

CEMENT PACKER

Index: PI-CEM 18/110

- *Material: plastic*
- ***Injection hole diameter: ⌀18 mm***
- *Length: 110 mm*
- *Thread 1/4'' enabling assembly of an injection bolt and a flat caliper with 1/4'' internal thread*

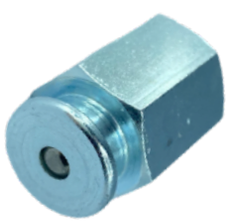


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CEMENT PACKER

Index: PI-CEM 14/100

- *Material: plastic*
- ***Injection hole diameter: ⌀14 mm***
- *Length: 100 mm*
- *Thread 1/4'' enabling assembly of an injection bolt and a flat caliper with 1/4'' internal thread*



5 903968 663919 >

FLAT NIPPLE

Index: NG-F 14

- *Fits to PI-CEM 18/110, PI-CEM 14/100 Packers*
- *Designed for injection of cement suspensions*



5 903968 663896 >

SOCKET

Index: CPC 14

- *Designed for injection of cement suspensions*
- *Fits to PI-CEM 18/110, PI-CEM 14/100 packers*
- ***High throughput of ⌀7,5 mm***
- *For use with injection pliers*

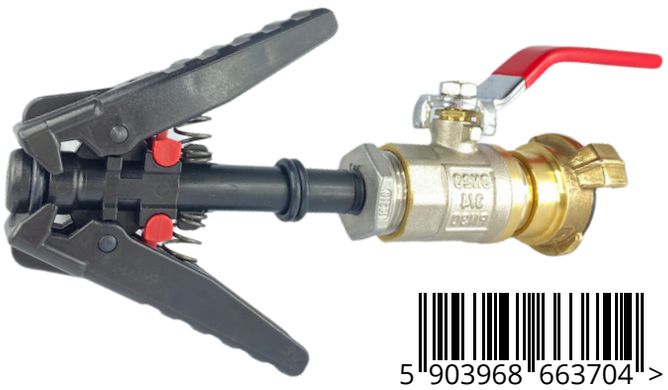


5 903968 663797 >

PACKER BEATER

Index: POD-CEM

- *Length: 130 mm*
- *Bore: ø13 mm*
- *Fits to PI-CEM 18/110, PI-CEM 14/100 packers*

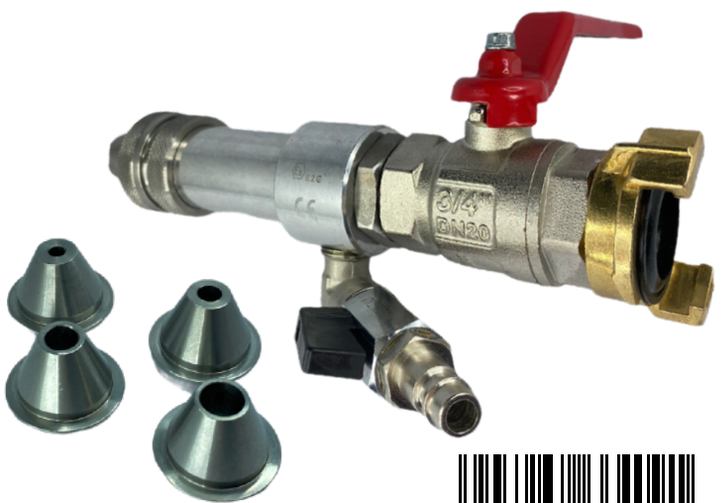


5 903968 663704 >

INJECTION PLIERS

Index: PI-PLIERS

- *Proven design*
- *Convenient use*
- *Quick connection of injector*
- *Ideal for cement suspensions*
- *GEKA connector for quick and convenient connection*

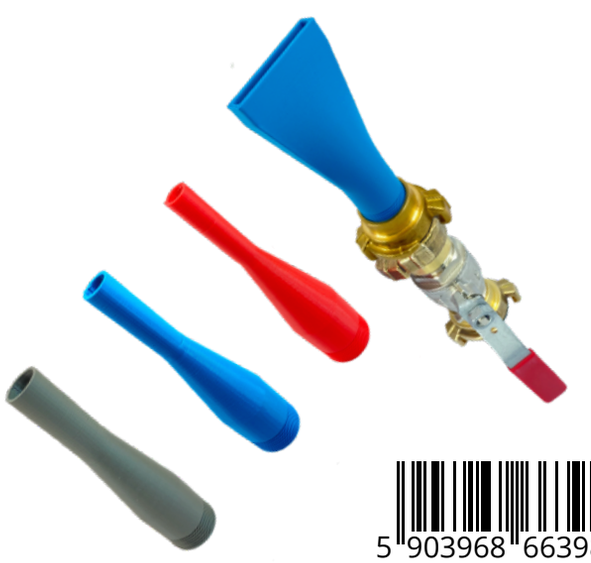


5 903968 664091 >

SPRAY HEAD

Index: PI-JET

- *Proven design*
- *Convenient use*
- *Ideal for spraying bitumen and mineral materials*
- *GEKA connector for quick and convenient connection*



5 903968 663988 >

GROUT VALVE

Index: PI-FUG

- *Proven design*
- *Convenient use*
- *Quick changeover of the jointers*
- *GEKA connector for quick and convenient connection*

HELICAL BARS



HAMMPACK®
building injection equipment



SPIRAL HAMMER

Technical specifications

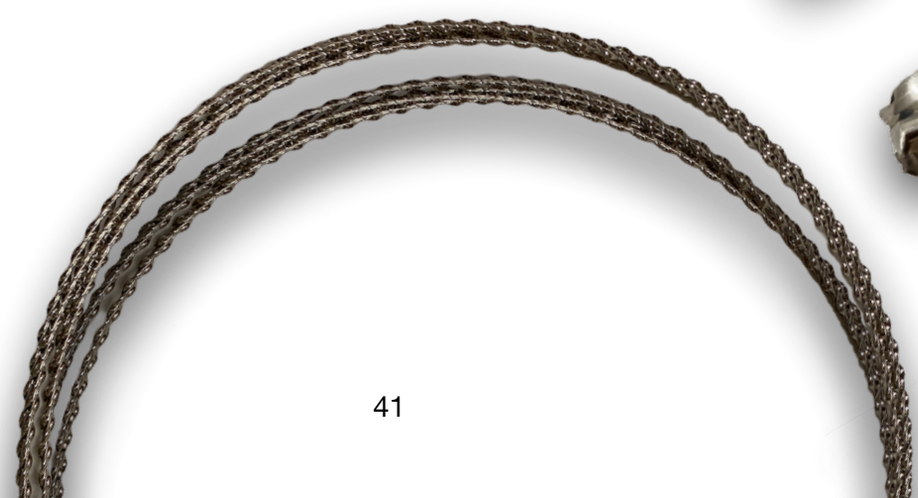
Anchor diameter [mm]	*ø6*	*ø8*	*ø10*
Sectional area [mm²]	*8,0*	*10,0*	*13,0*
Yield Strength [MPa]	*1100*	*711,0*	*1007*
Tensile strength [MPa]	*862*	*934*	*642,5*
Module - E [GPa]	*172,37*	*150,6*	*169,83*

Available lengths and diameters

Hammpack Spiral Hammer anchors are available in the following diameters and lengths:

- ø6 (1m / 10m / 100m)
- ø8 (1m / 10m / 100m)
- ø10 (1m / 10m / 100m)





HAMMPACK®
building injection equipment





Easy and secure installation

Low invasiveness - application without mess and fuss

Low cost

Fast application - no process interruption

Why use anchors?

HAMMPACK
SPIRAL HAMMER

Excellent hold in both compression and tension

One-piece, stress-free stainless steel system

Increase the load bearing capacity of walls, columns, girders, beams, slabs foundations

Cracks do not reappear - high performance technology





HAMMPACK®
building injection equipment

STAGE I
Correct execution of the furrows



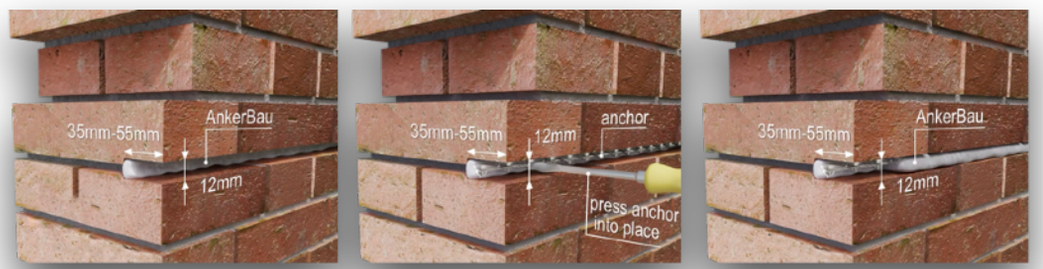
The repair work should begin by making grooves in accordance with the design guidelines. It is recommended that the resulting groove has the same length on both sides of the joint.

STAGE II
Cleaning the furrows from dust

After making grooves for the anchors, dust residue should be removed from the anchors. The cleaning process can be carried out using air and/or a water jet.



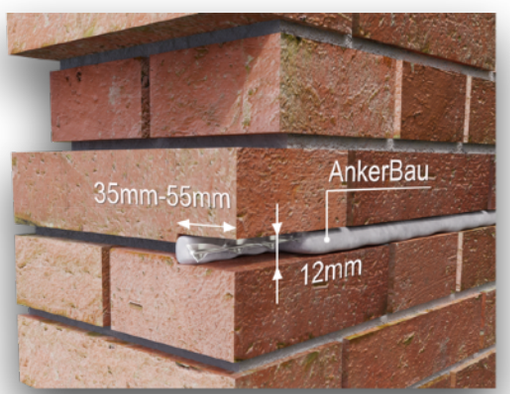
STAGE III
Filling the groove with mortar and installing the anchor



The next step is to fill the groove with a first layer of mortar about 10 mm thick and place a pre-cut anchor in it.

STAGE IV
Second layer of mortar and final operations

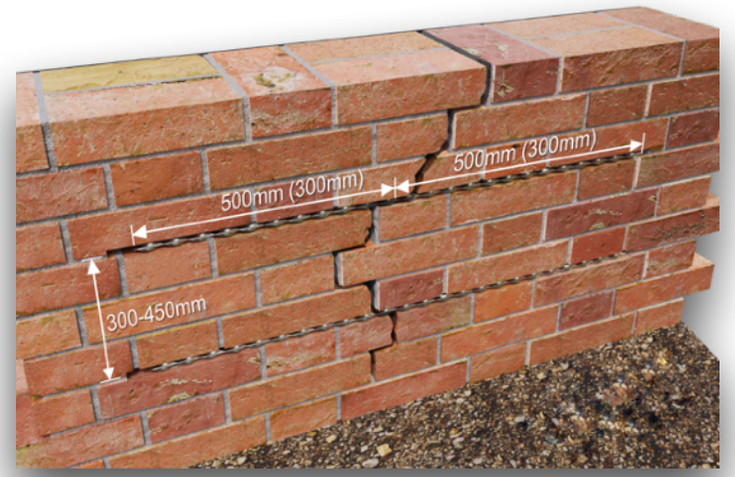
- The next stage of work is the application of the second layer of mortar and smoothing the joint with a spatula.
- Open cracks should be filled with the appropriate grout.
- After around 24 hours, when the binder is dry, you can start plastering the places after the work is done



Groove parameters

- Width of the groove should not be less than the diameter of the bar + 4 mm
- The depth of the groove should be between 35 mm and 70 mm

When installing more than one rod in the slot, repeat the steps in the above instructions analogously.



USEFUL TIPS

Remember to keep the distances between successive furrows equal



Remember the correct positioning of bars in the case of broken furrows

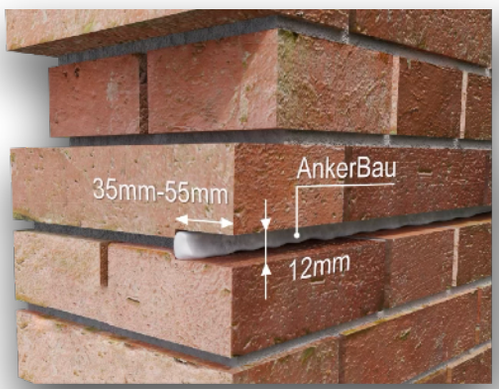


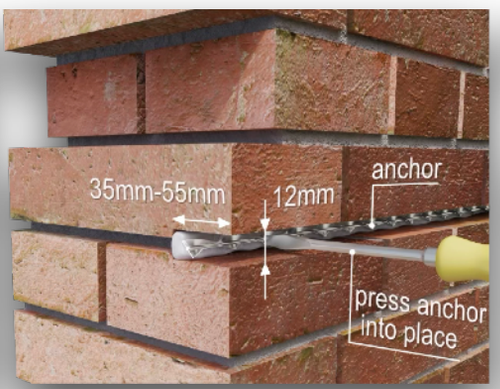


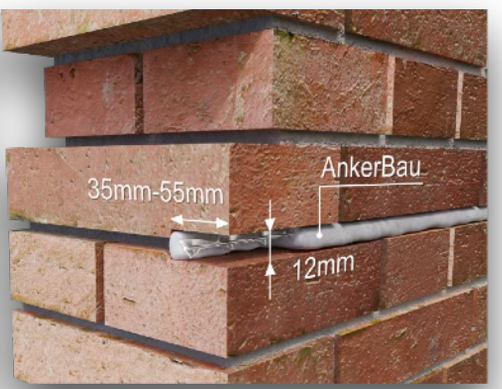
HAMMPACK®
SPIRAL HAMMER

Technical Specifications and Design Suggestions

- ***Groove width for 8 mm anchor, i.e., anchor +4 mm:***

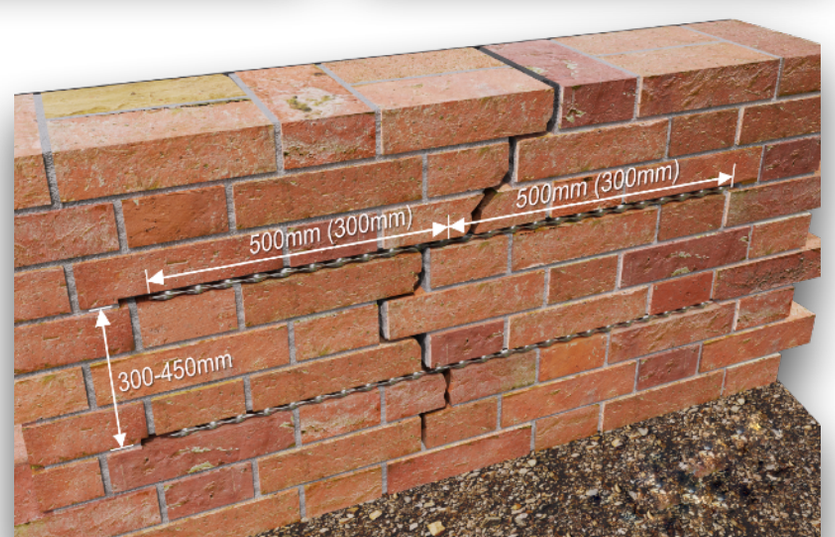






- ***Distance from the crack for a brick wall is a minimum of 500 mm from the crack***
- ***For a concrete wall, it is a minimum of 300 mm***
- ***Groove width is anchor width +4 mm***

Helical bar	Groove width [mm]	Groove depth [mm]	Groove length* [mm]
ø6 mm	10	35 - 55	500 (300)
ø8 mm	12	35 - 55	500 (300)
ø10 mm	14	35 - 55	500 (300)



****Groove and anchor length from the crack on both sides***
Minimum total anchor length (brick / stone / mixed wall) - 1000 mm
Minimum total anchor length (concrete) - 600 mm

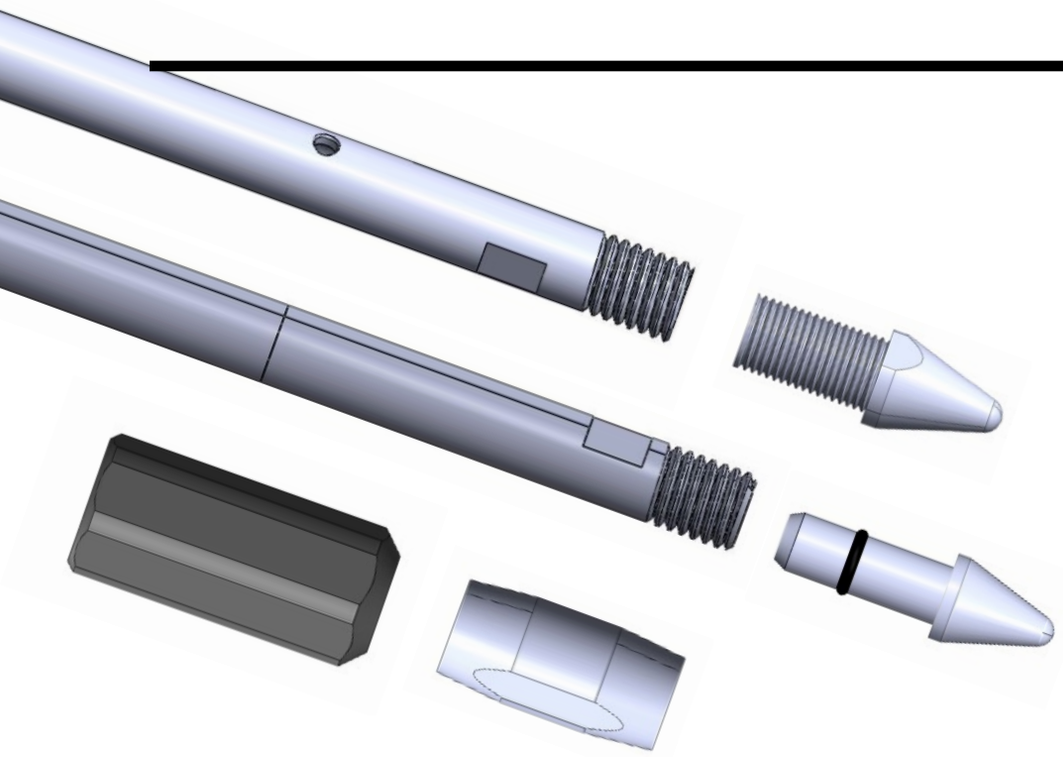
TECHNICAL PARAMETERS

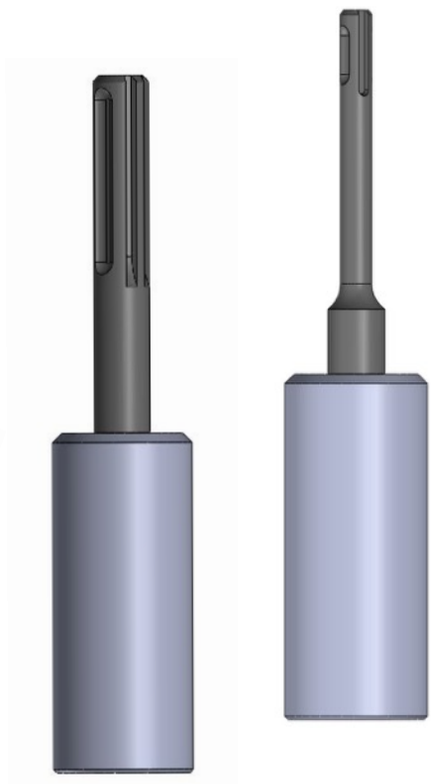
Anchor diameter [mm]	*ø6*	*ø8*	*ø10*
Cross-sectional area [mm2]	*8,0*	*10,0*	*13,0*
Yield strength [MPa]	*1100*	*711,0*	*1007*
Tensile strength [MPa]	*862*	*934*	*642,5*
Module - E [GPa]	*172,37*	*150,6*	*169,83*

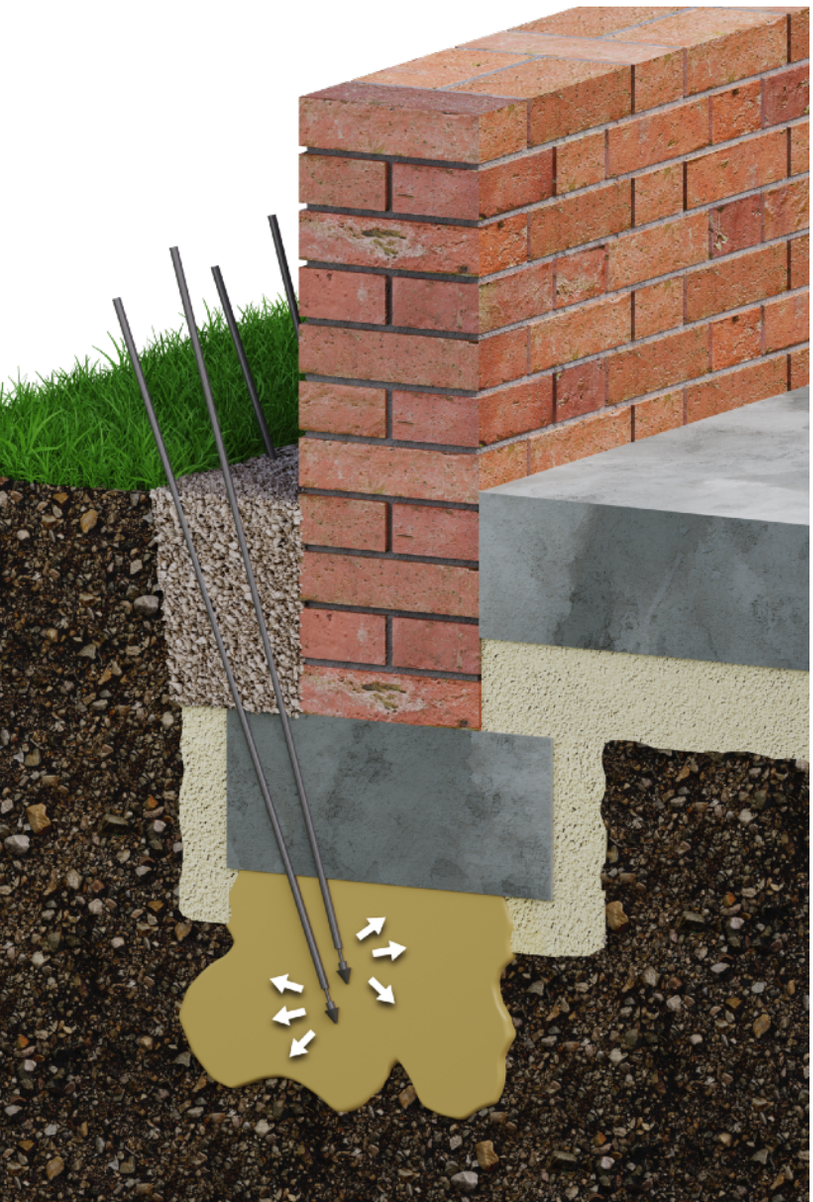
All data and suggestions presented in the sheet have been determined during practical applications or in the laboratory and therefore, as a rule, are not binding. The information, suggestions, explanations of our consultants contained in the Technical Sheet are non-binding. Hammpack® cannot control the conditions under which the products are used, so the user is obliged to carry out their own tests before starting work. The information contained in the technical sheet does not constitute a guarantee of fitness for a specific purpose. Compliance with regulations and requirements for the use of Hammpack® products is the responsibility of the user. In addition, Hammpack reserves the right to change the data contained in the sheet at any time due to a change in the actual state of knowledge. Hammpack® 08/2023

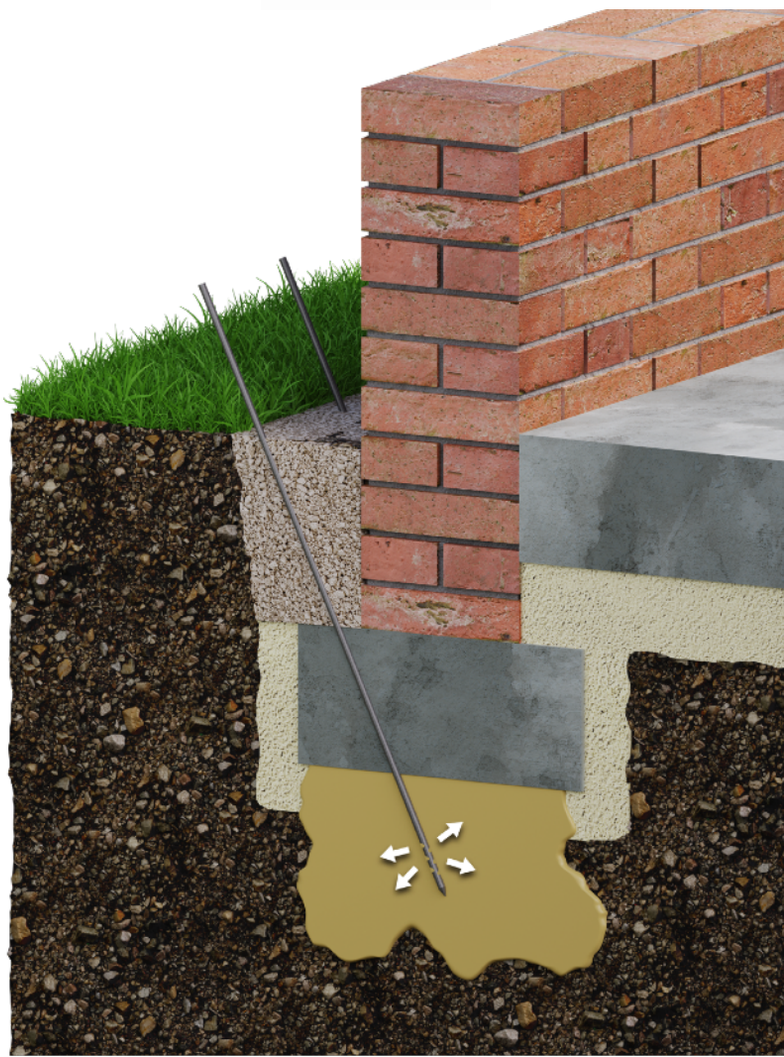

RB
ResinBau
AnkerBau

INJECTION LANCES



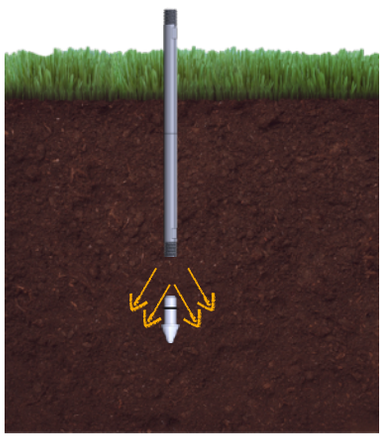






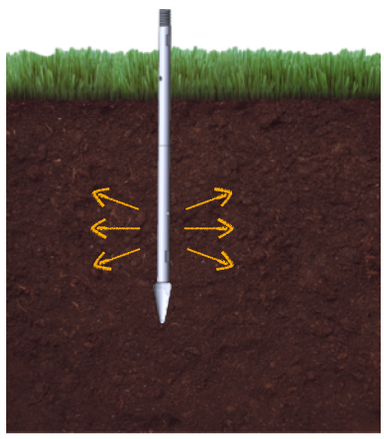
Injection with Injection Lances

The **JG-SYSTEM** injection lance system, available in solid and perforated sections of 500 mm and 1000 mm lengths. The balanced injection surface structure is designed for use with cement suspensions, geopolymers, acrylic gels, and polyurethane resins.



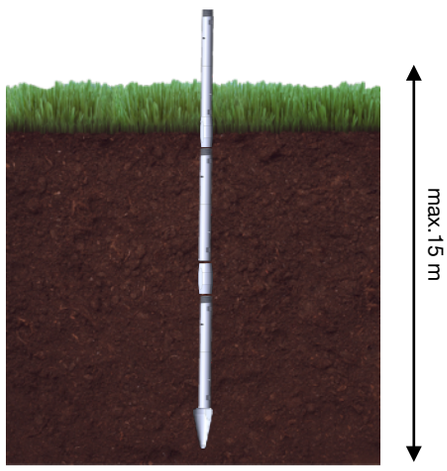
JG-SHOOTER

The driven tip allows injection directly at the ground level (for solid or perforated lances).



JG-NOSHOOTER

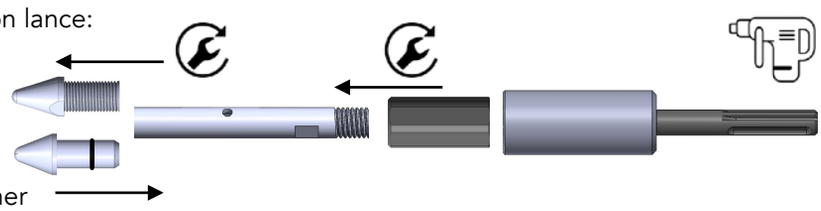
The fixed tip with outlet holes enables injection along the entire length of the perforated lance.

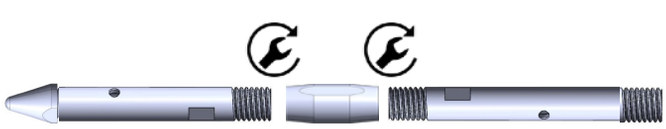


The maximum achievable injection depth depends on soil conditions and, under favorable circumstances, can reach up to 15 meters.

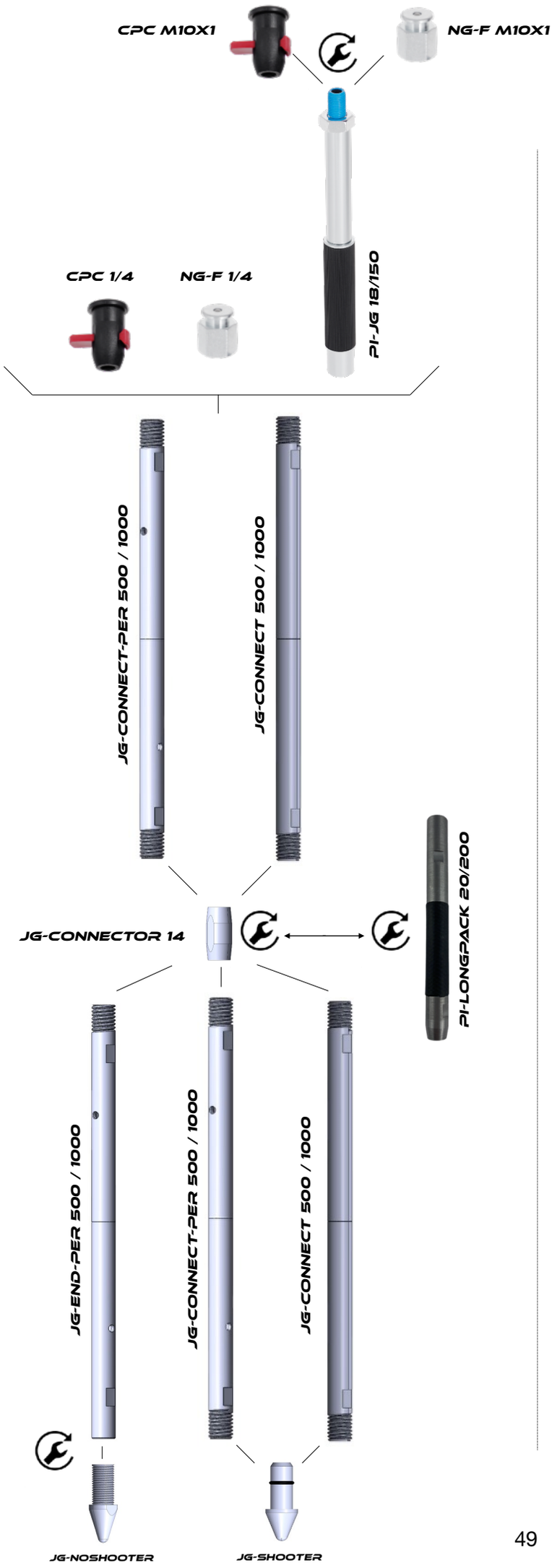
Installation of Injection Lances HAMMPACK®

1. Installation of the arrowhead on the injection lance:
   a) press-in tip **JG-SHOOTER**
   b) crew-in tip **JG-NOSHOOTER**
2. Screwing **JG-HAMMPLUG**
3. Hammering the lance with an impact hammer





4. Wringing out **JG-HAMMPLUG**
5. Filing **JG-CONNECTOR 14**
6. Assembling another piece of the lance.
7. Repeat steps 2-5 to reach the final depth



JG - INJECTION LANCES

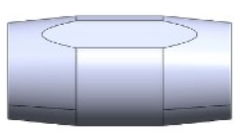
- *Material: steel*
- ***Outer diameter: ø13 mm***
- ***Inner diameter: ø9 mm***
- ***Bore diameter: ø3,8 mm (JG PER)***
- *No. of holes / mb: 16 (JG PER)*
- *Length: 500 / 1000 mm*
- *Wrench size: 12 mm*
- *GZ 1/4 / m10x1 (**JG-END**)*

***JG-SYSTEM** injection lances driven directly into the soil or outside of building structures.*



JG-CONNECTOR 14

- *Material: steel*
- ***Outer diameter: ø16 mm***
- ***Inner diameter: ø13 mm***
- ***Wrench size : 15 mm***
- *GW 1/4*



*System connector **JG***

PI-JG 18/150

- *Material: steel*
- ***Injection hole diameter: ø18 mm***
- ***Upper connection: m10x1***
- ***Bottom connection: GW 1/4***

*The **JG** system packer makes it possible to seal the start of the injection lance system **JG-SYSTEM***

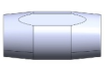
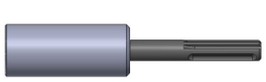
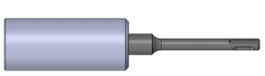


PI-LONGPACK 20/200

- *Material: steel*
- ***Injection hole diameter: ø20 mm***
- *Connections: GW 1/4*

*The **JG** system packer allows the system to be tightened anywhere in the system (at any depth)*



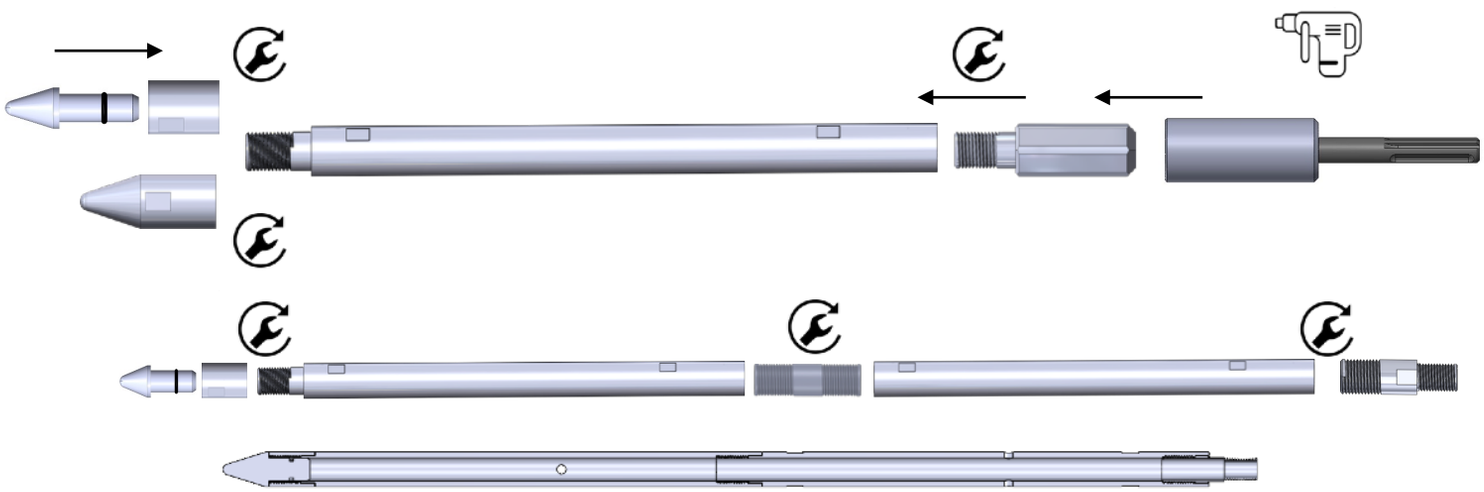
	**JG-SHOOTER** Arrowhead for **JG-CONNECT**	5 903968 662318 >
	**JG-NOSHOOTER** Screw-in blade (fixed), for lances **JG-END-PER**	5 903968 662301 >
	**JG-END-PER 500 / 1000** Lance for injection perforated Wrench size: 12 mm for the screwdriver head **JG-NOSHOOTER**	500: 5 903968 662288 > 1000: 5 903968 662295 >
	**JG-CONNECT-PER 500 / 1000** Lance for injection perforated Wrench size: 12 mm	500: 5 903968 662257 > 1000: 5 903968 662264 >
	**JG-CONNECT 500 / 1000** Full injection lance Wrench size: 12 mm	500: 5 903968 662233 > 1000: 5 903968 662240 >
	**JG-CONNECTOR-14** Lance coupler Wrench size: 15 mm	5 903968 662271 >
	**NG-F 1/4** Flat Cap (Ball ø5 mm, G1/4)	5 903968 662363 >
	**NG-F M10** Flat Cap (Ball ø3 mm, m10x1)	5 903968 662370 >
	**CPC 1/4** Push-in injection valve 1/4 Flow rate ø7,5 mm	5 903968 662387 >
	**CPC M10X1** Injection valve m10x1 Flow rate ø7 mm	5 903968 662394 >
	**PI-JG 18/150** Bore diameter: ø18 mm m10x1 / G1/4	5 903968 662349 >
	**PI-LONGPACK 20/200** Packer for **JG** lance system, can be placed at any point in the system	5 903968 662356 >
	**JG-HAMMPLUG** Lance beater, allows use of **JG-HAMMPOD** beater or hand hammer	5 903968 662325 >
	**JG-HAMMPOD SDS-MAX** Beater for injection lance compatible with **JG-HAMMPLUG**	5 903968 662332 >
	**JG-HAMMPOD SDS+** Beater for injection lance compatible with **JG-HAMMPLUG**	5 903968 664107 >

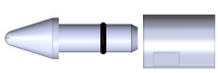
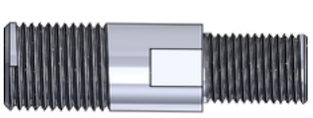
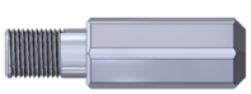
Stages of Lance Injection HAMMPACK®

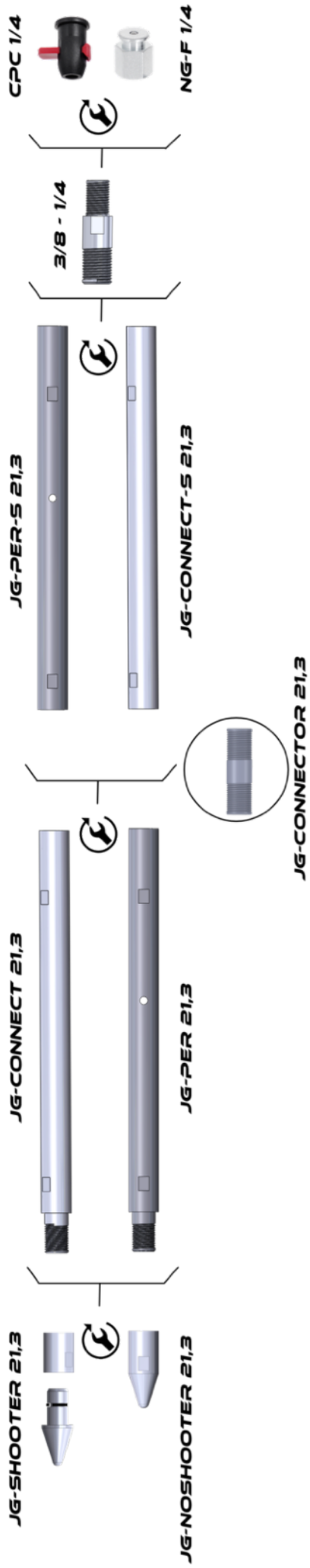
1. Agree on remedial actions together with the designer or geotechnical engineer.
2. Determination of the grid in accordance with the developed concept of work.
3. Installation of the lances to the desired depth.
4. Assembly of the bonding system on the injection lance.
5. Installation of the hose and application of the material.
6. After completion of the work the bonding system has to be removed.

Injection by Means of Injection Lances 21,3mm

JG-SYSTEM ⌀21,3MM injection lance system 1000 mm solid and perforated sections. Balanced injection surface structure for both cement suspensions, geopolymers, acrylic gels and polyurethane resins.



	**JG-SHOOTER 21,3** Arrowhead
	**JG-NOSHOOTER 21,3** Screw-in blade (fixed), under lances **JG-PER 21,3**
	**JG-CONNECT-PER 21,3 / 1000** Perforated injection lance Wrench size: 20 mm
	**JG-CONNECT 21,3 / 1000** Full injection lance Wrench size: 20 mm
	**JG-PER-S 21,3 / 1000** Perforated injection lance Wrench size: 20 mm
	**JG-CONNECT-S 21,3 / 1000** Full injection lance Wrench size: 20 mm
	**JG-CONNECTOR 21,3** Connector for injection lance
	**3/8 - 1/4** It allows the connection of injection nozzles (CPC 1/4, NG-F 1/4) with an external 1/4 thread. Wrench size: 20 mm
	**JG-HAMMPLUG 21,3** Lance beater, allows the use of a beater **JG-HAMMPOD** or hand hammer



INJECTION LANCES 21,3MM

- *Material: steel*
- ***Outer diameter: ø21,3 mm***
- ***Inner diameter: ø14,3 mm***
- ***Hole diameter: ø5,5 mm (JG PER 21,3)***
- *Number of openings / mb: 16 (**JG PER 21,3**)*
- *Length: 1000 mm*
- *Wrench size:: 20 mm*
- *GZ 3/8 GW 3/8*

*Injection lances **JG-SYSTEM 21,3** driven directly into the ground or outside building structures.*

JG-CONNECT 21,3 AND JG-PER 21,3

- *Lances only used first in the section because they have external threads that allow the installation of tips*



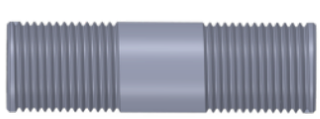
JG-CONNECT-S 21,3 AND JG-PER-S 21,3

- Lances used as further elements of the system extension (they have internal threads on both sides)



JG-CONNECTOR 21,3

- *Material: steel*
- *GZ 3/8*
- *Connector for injection lance*



3/8 - 1/4

- *Material: steel*
- *GZ 3/8 - GZ 1/4*

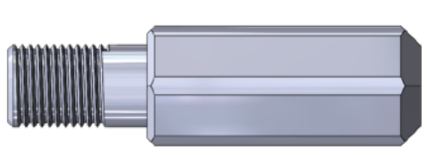


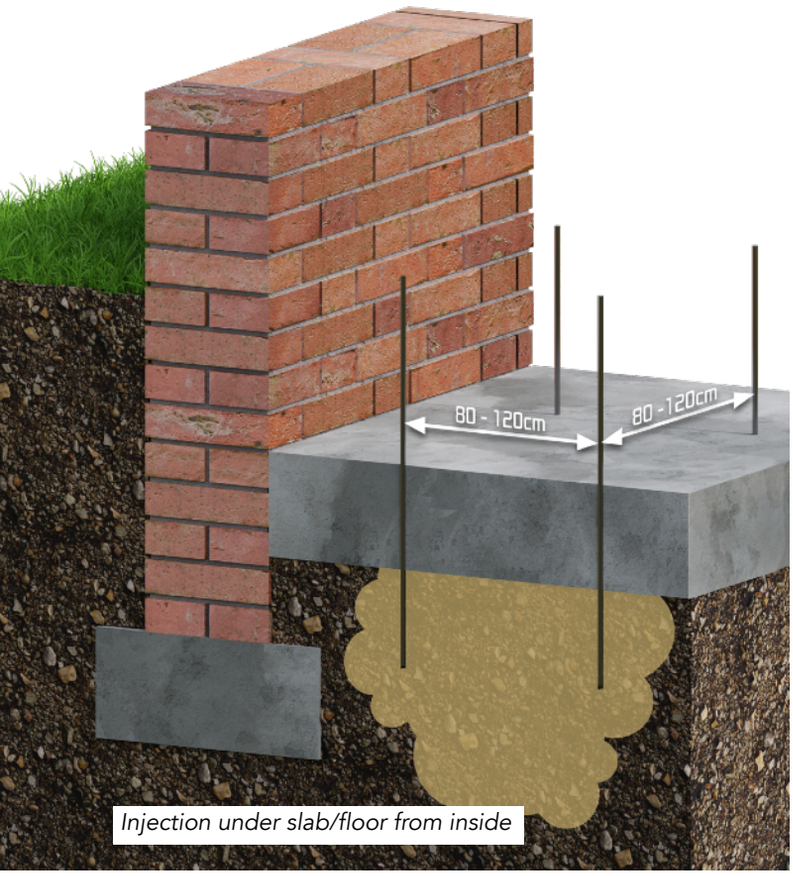
It allows the connection of injection nozzles (CPC 1/4, NG-F 1/4) with an external 1/4 thread.

JG-HAMMPOD 21,3

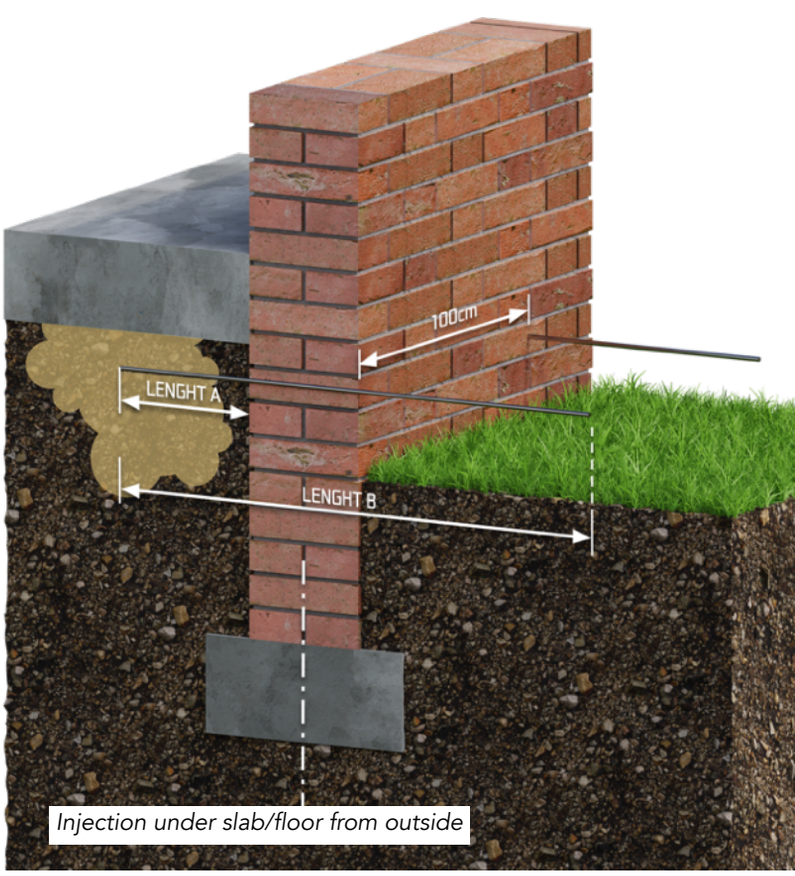
- Material: steel

Mallet for injection lances 21,3mm



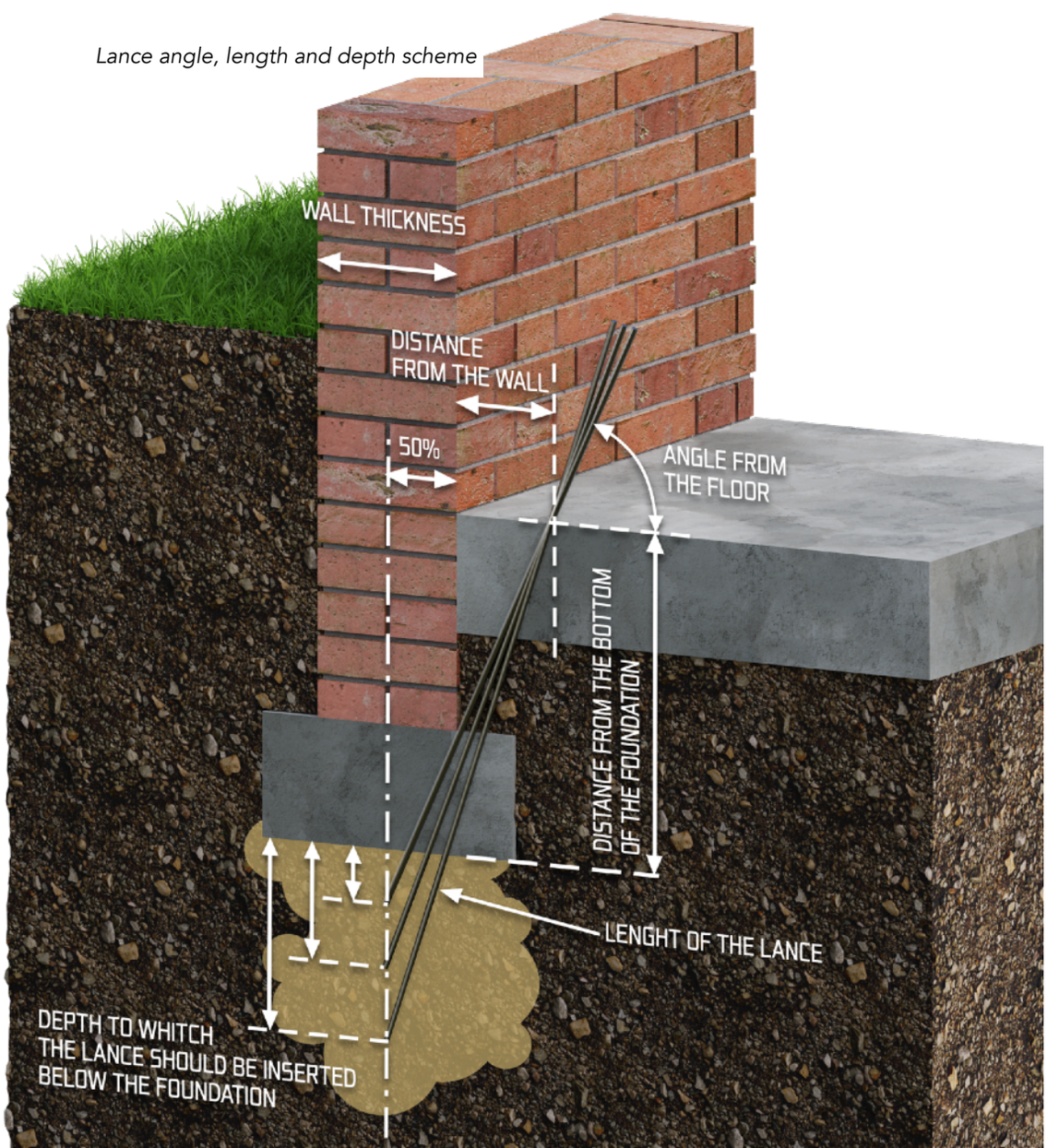


Injection under slab/floor from inside

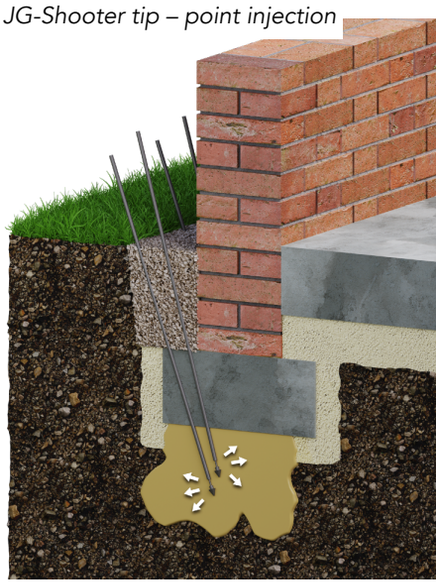


Injection under slab/floor from outside

Lance angle, length and depth scheme



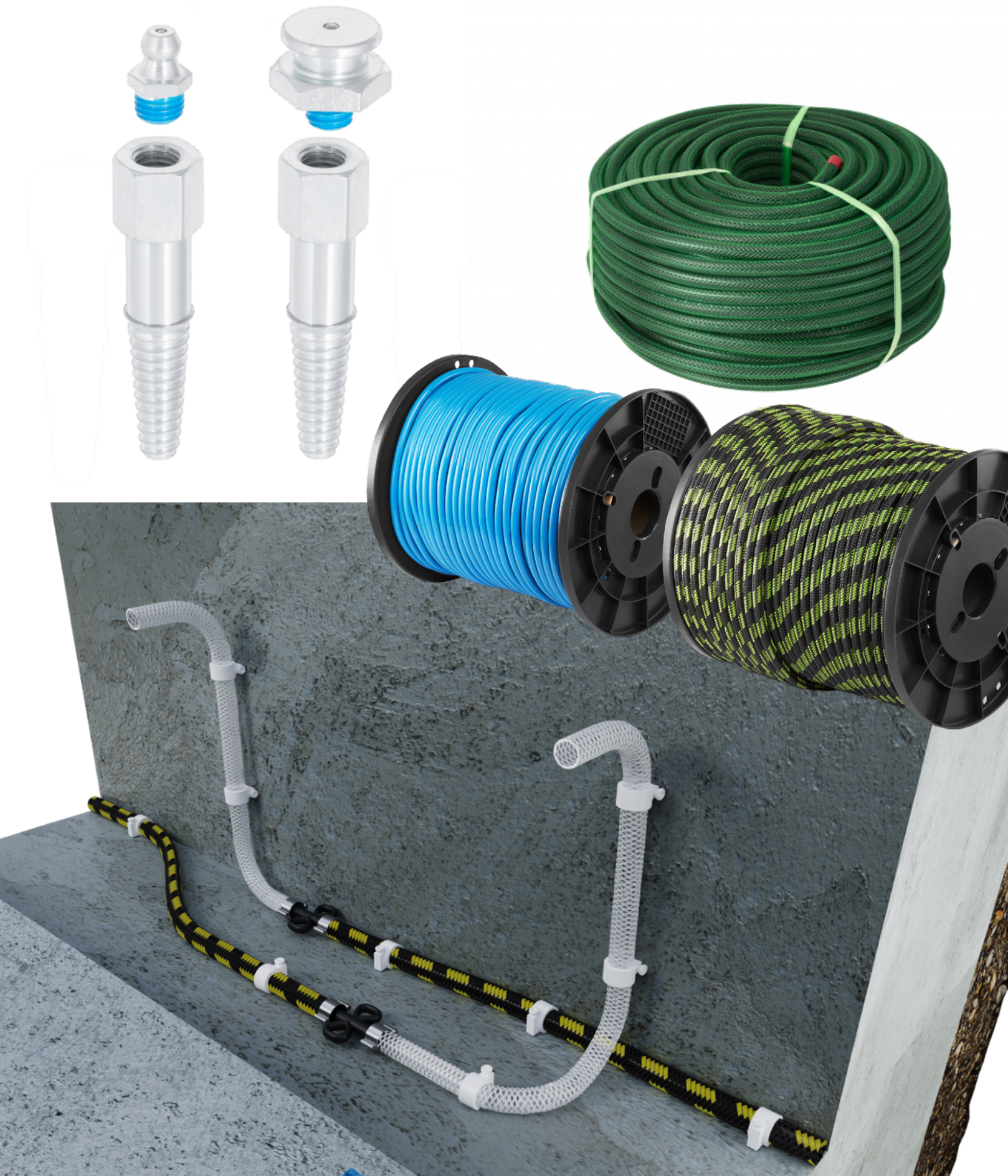
JG-Shooter tip – point injection

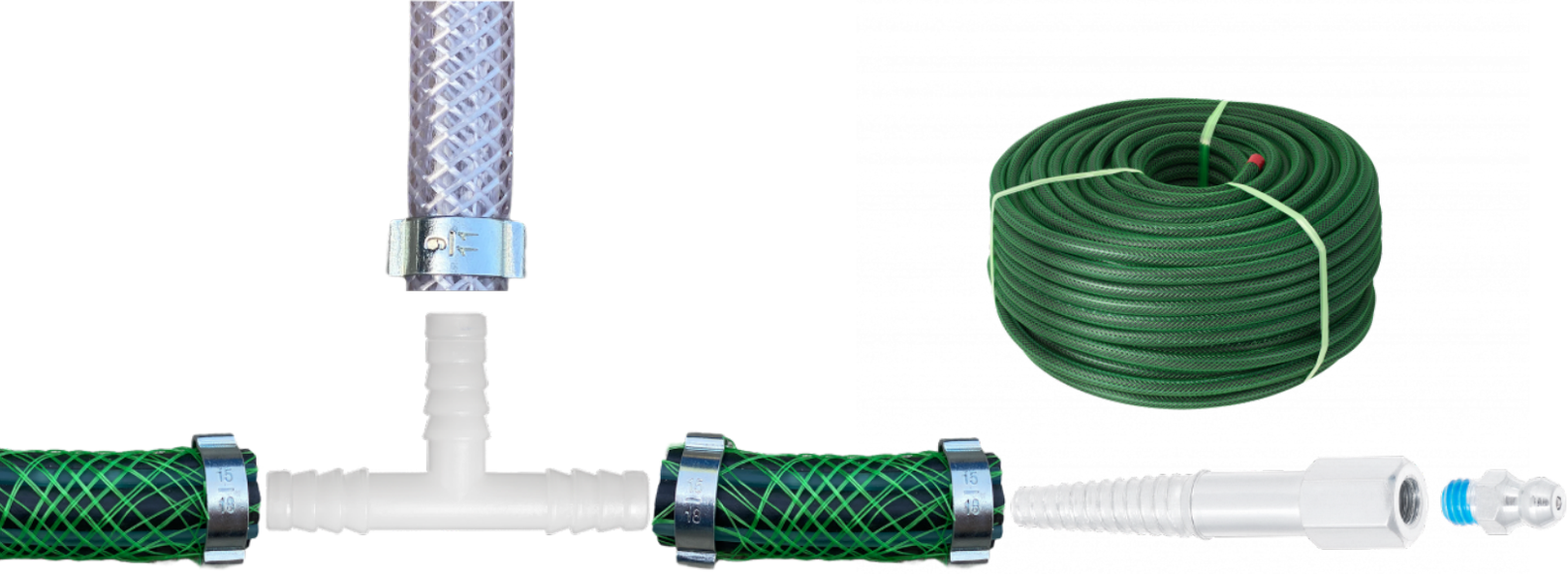


Perforated lance – distributed injection



INJECTION HOSES



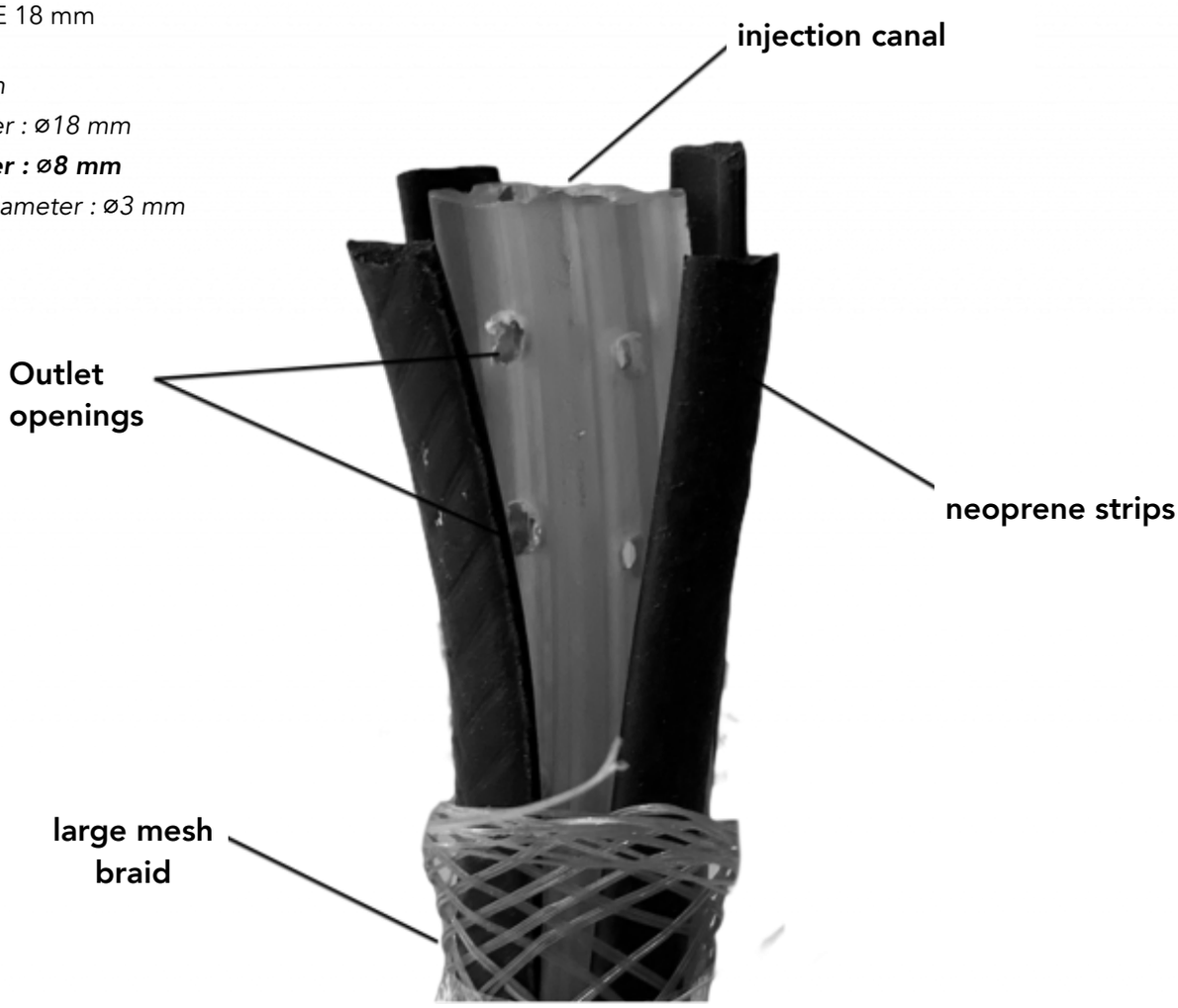


SMARTHOSE

Injection hose 18 mm / 100 m

Index: HO-HOSE 18 mm

- *Length : 100 m*
- *Outer Diameter : ⌀18 mm*
- ***Inner Diameter : ⌀8 mm***
- *Outlet Hole Diameter : ⌀3 mm*



The **SMARTHOSE** injection hose system should be installed within the construction joints of reinforced concrete structures. The hose must be mounted on a smooth, clean surface using special Ho-keeper clips. During installation, care should be taken not to damage the hose braid.
The **SMARTHOSE** system is a complete solution that enables efficient execution of injection works.

When using **SMARTHOSE** system components to connect other types of injection hoses, please ensure their compatibility.

HOSE CLAMP

Index: Binaural Clamp

- *Material: steel*
- *Clamp for injection hoses*



Clamps are essential for maintaining tightness between injection hose connections. To select the correct diameter, please refer to the descriptions of individual products in the injection hose category.

CONNECTOR 3x90

Index: HO-390

- *Material: plastic*
- *Flow rate: ø5 mm*



Smarthose Injection system connector. Used for connecting the **Smarthose** injection hose with the supply hose or for joining two **Smarthose** Injection hoses.

For complete sealing of the connection, a 13–15 mm double-ear clamp is required.

INJECTION COUPLING 10 mm

Index: HO-CONNECT 10

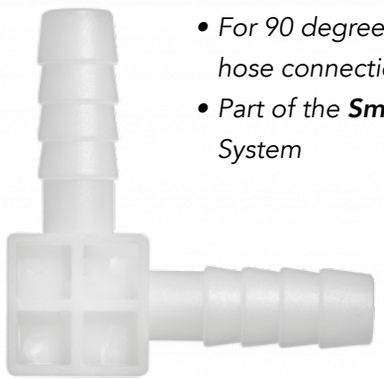
- *Material: steel*
- *Length: 97 mm*
- *Flow: ø4 mm*
- *Wrench: 13 mm*
- *Hose inner diameter: ø6-10 mm*
- *Right-handed*

The connector allows the connection of injection hoses. To ensure tightness, a **15–18 mm clamp must be used.**

CONNECTOR 2x90

Index: HO-290

- *Material: plastic*
- *Flow: ø5 mm*
- *For 90 degree angle injection hose connections*
- *Part of the **Smarthose** Injection System*



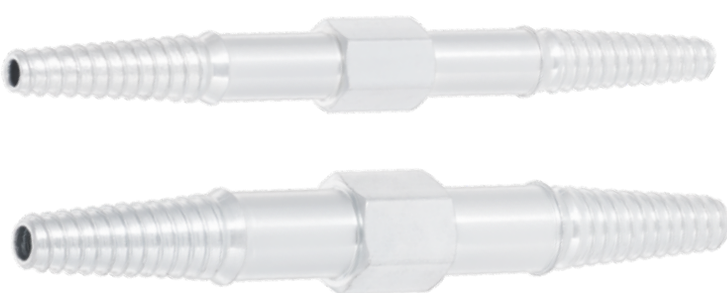
Smarthose Injection system connector. Designed for connecting the Smarthose injection hose with the supply hose or for linking two Smarthose Injection hoses.
To ensure a fully sealed connection, a **13–15 mm double-ear clamp is necessary.**

INJECTION COUPLING 8 mm

Index: HO-CONNECT 8

- *Material: steel*
- *Length: 97 mm*
- *Flow: ø3 mm*
- *Wrench: 10 mm*
- *Hose inner diameter: ø5-8 mm*
- *Right-handed*

The connector enables the connection of injection hoses.
To maintain proper sealing, a **15–18 mm clamp is required.**



INJECTION HOSE FILLER 8/10 mm



SWG



FWG



PRE



FPRE

HO-END is a high-quality injection packer designed for filling injection hoses. Its specially engineered pin prevents the hose from slipping off. To maintain maximum system tightness, it is recommended to use sleeves matched to the hose diameter.

The injection hose packer is available separately or with a flat or conical nipple featuring a factory-applied sealing coating. This coating ensures immediate sealing upon screwing in. The system also allows observation of the injection material flow.

Upon explicit customer request, the nipples can be machine-tightened.



Locking plug for injection hose

Index: HO-CLOSE

- Material: plastic
- Diameter: ø8-9 mm

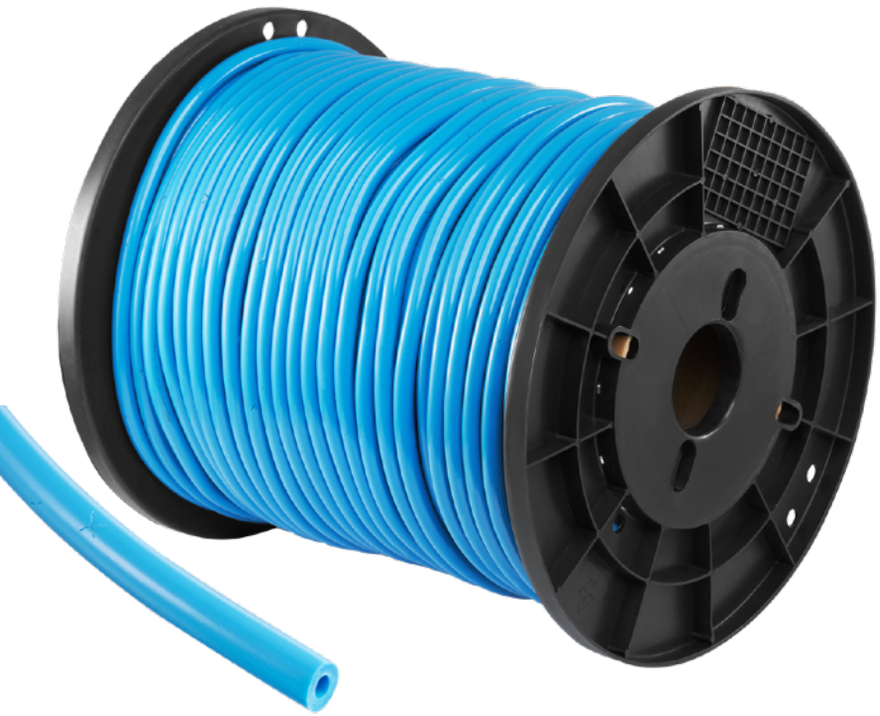


Fixing bracket for injection hoses

Index: HO-KEEPER

- *The mounting clip for injection hoses allows the hose to be fixed to the substrate, preventing it from shifting during installation.*
- *The brackets are mounted with nails.*



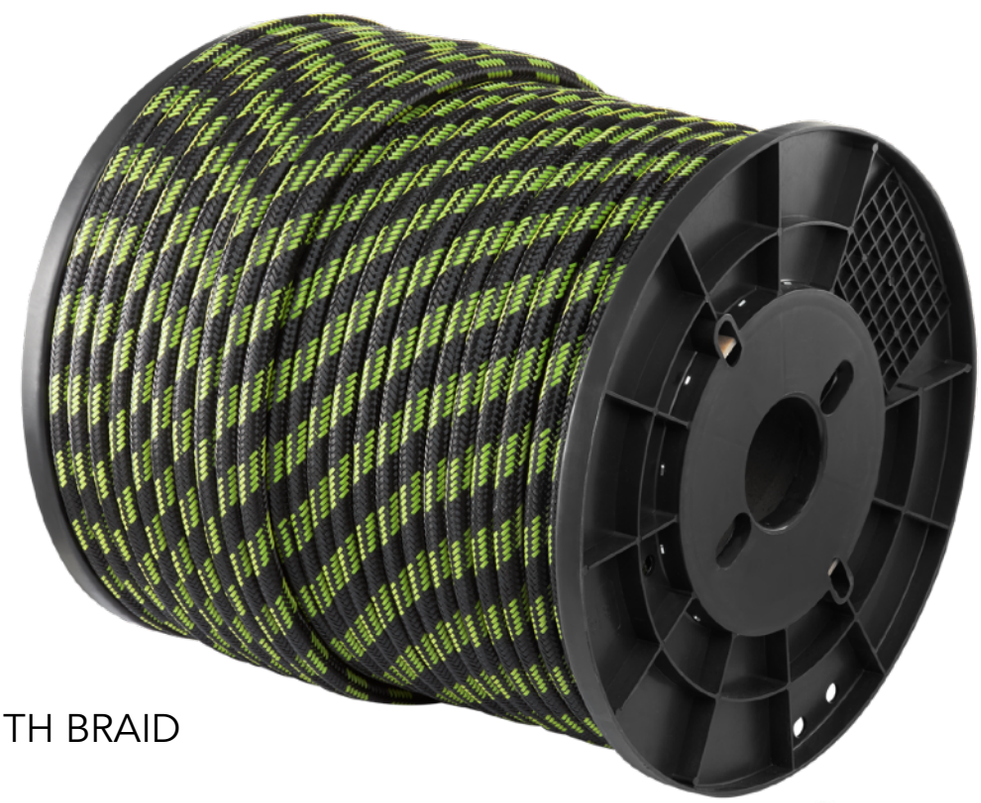


INJECTION HOSE

index: HO-HOSE 5mm

- *Length: 100m (roll)*
- *Outer diameter: ø11 mm*
- ***Inner diameter: ø5 mm***
- *Diameter of outlet holes : ø2 mm*

5 903968 666644 >



INJECTION HOSE WITH BRAID

index: HO-HOSE/B 5mm

- *Length: 100m (roll)*
- *Outer diameter: ø11 mm*
- ***Inner diameter: ø5 mm***
- *Diameter of outlet holes: ø2 mm*
- *In textile braid*



5 903968 666569 >

Packer for injection hoses 6 mm

- *Material: plastic*
- *Thread: M6x1 or 1/4*
- *Length: 70 mm*
- *Flow: ø2,5 mm*
- ***Diameter inner hose: ø5-8 mm***
- *Right-hand*



HO-END 6 FWG



HO-END 6 SWG

Nail packer for injection hoses

Index: HO-INJECT

- *Material: plastic*
- *Length: 73 mm*
- *Flow: ø2,5 mm*
- ***Inner diameter of the hose: ø5-8 mm***
- *M8x1.25 straight or flat nipple*





Injection hose connector

Index: HO-CONNECT 6

- *Material: plastic*
- *Length: 79 mm*
- *Flow: 2,5 mm*
- ***Diameter inner hose: ø5 -7 mm***
- *Anti-twist thread*

HAMMPACK®
building injection equipment

Injection Hose System Layout: A Simple Guide

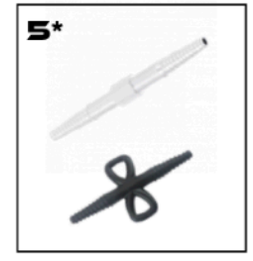


1*
Injection hose with braid HO-HOSE/B 5mm

Packer for injection hoses HO-END

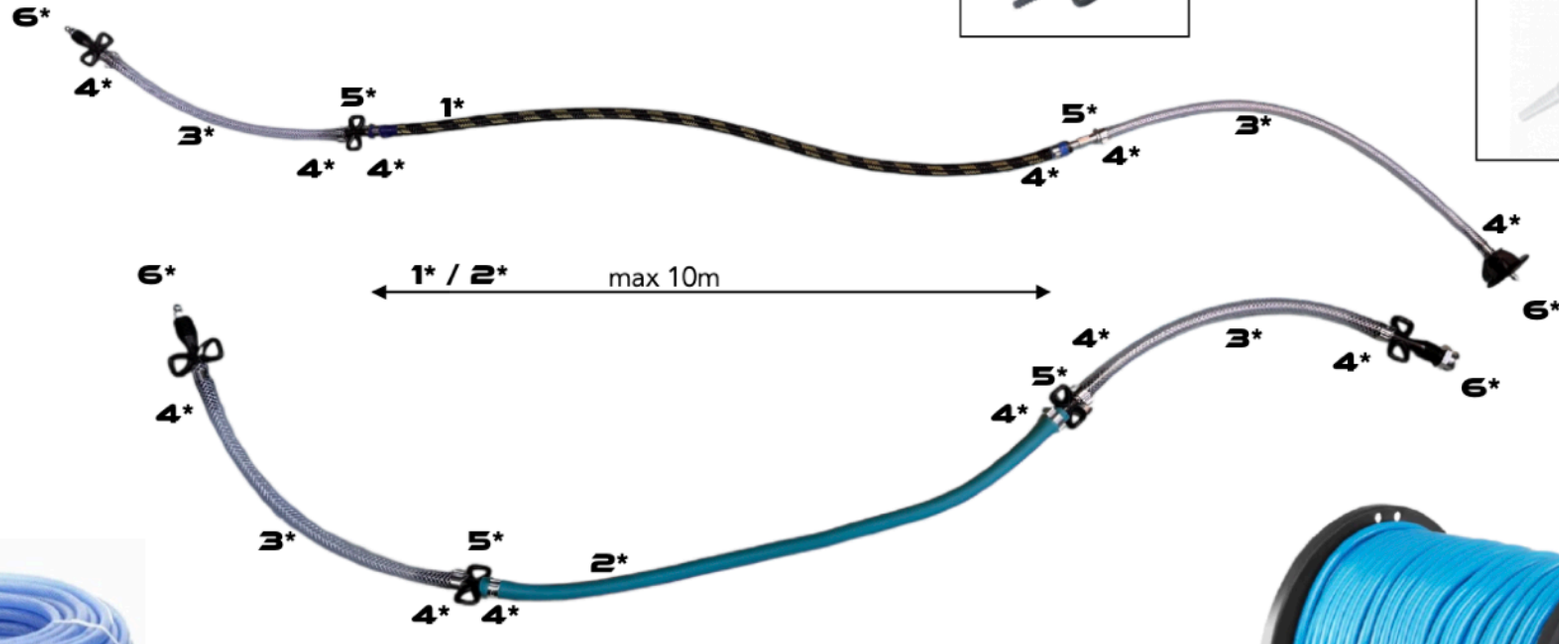


Connector for injection hose HO-CONNECT





4*
Cybant
11 - 13 mm



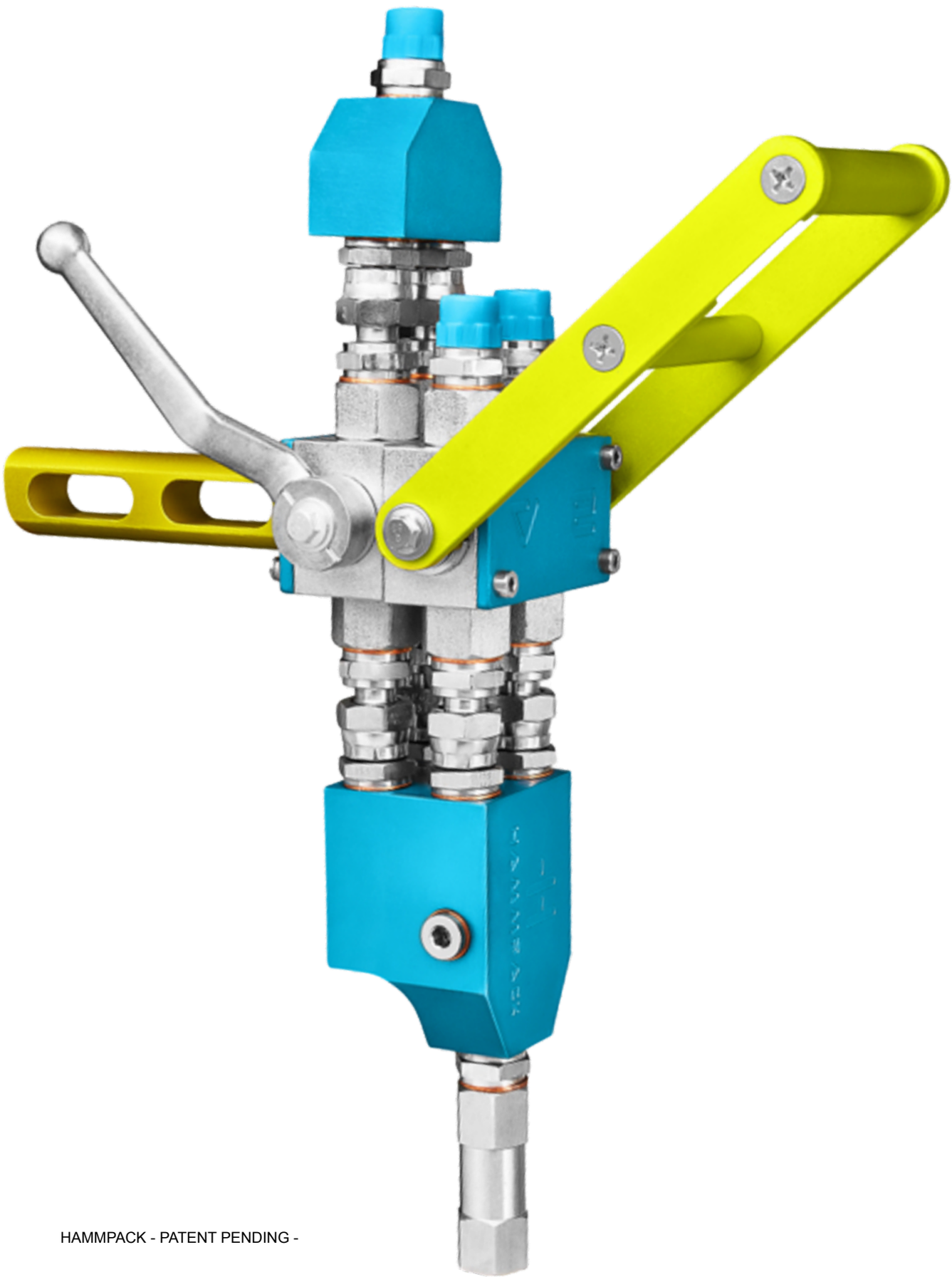


3*
Technical hose 6x2,5mm



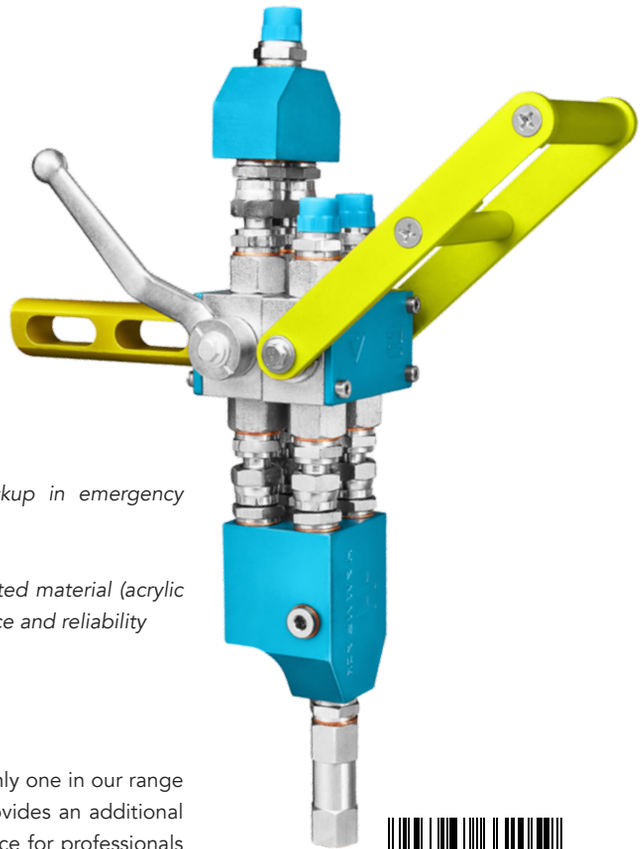
2*
Injection hose without braid HO-HOSE 5mm

MIXING HEADS



HAMMPACK - PATENT PENDING -

HAMMPACK®
3K INJECTION GUN



3K HEAD

Index: 3K INJECTION GUN

- *Material: stainless steel / anodized aluminum*
- *Maximum pressure: 250 bar*
- *Weight: 3,97 kg*
- *Connection: 1/4" BSP*
- *Outlet: M10x1*

Advantages:

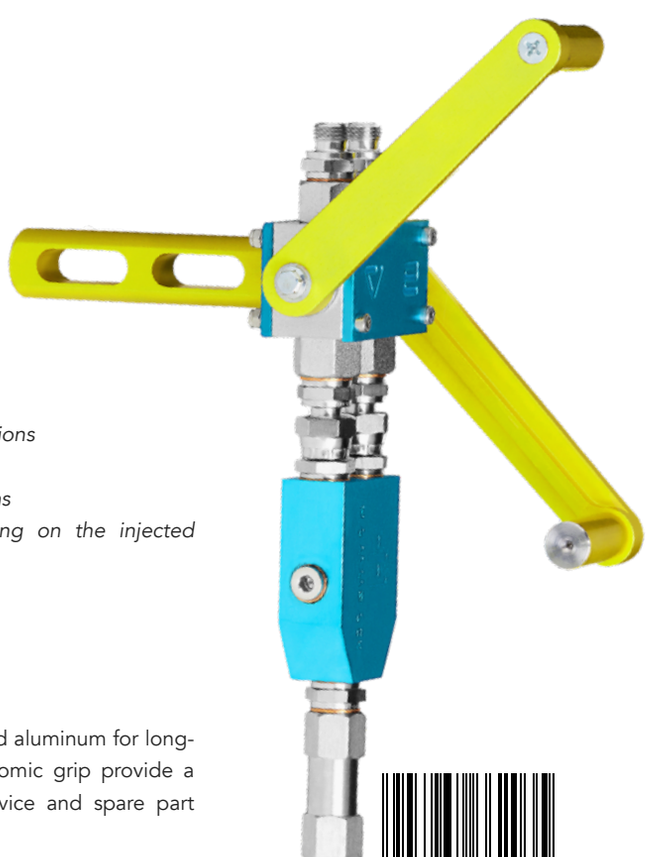
- *Unique dual cleaning system (two independent channels) providing backup in emergency situations*
- *Reinforced, heavy-duty construction ensuring maximum durability*
- *Full customization of components (ball/float valves, springs) to suit the injected material (acrylic gels, polyurethanes, geopolymers), guaranteeing maximum chemical resistance and reliability*
- *Fully serviceable and rebuildable design with access to all spare parts*

Features:

A classic, heavy-duty head based on traditional, field-proven design. It is the only one in our range equipped **with two independent cleaning channels.** This unique solution provides an additional safeguard, allowing the head to be cleared even in critical situations. The choice for professionals who value rugged, proven designs with an added safety system.

5 903968 662059 >
professional line

HAMMPACK®
2K INJECTION GUN



2K HEAD

Index: 2K INJECTION GUN

- *Stainless steel / anodized aluminum*
- *Maximum pressure: 250 bar*
- *Weight: 1.53 kg*
- *Connection: 1/4" BSP*
- *Outlet: M10x1*

Advantages:

- *Simple and reliable 2-channel design, ideal for standard 2K material applications*
- *Solid, heavy-duty construction based on a classic, proven design*
- *Equipped with two independent cleaning channels for use in critical situations*
- *Option to select valves (ball/float) and stainless steel springs depending on the injected chemistry (gels, polyurethanes), ensuring full resistance and reliability*
- *Fully serviceable and rebuildable with access to all spare parts*

Features:

Allows separate flushing of each channel. Made of stainless steel and anodized aluminum for long-lasting durability and extended service life. Reduced weight and an ergonomic grip provide a comfortable working position. Very attractive price combined with full service and spare part availability.

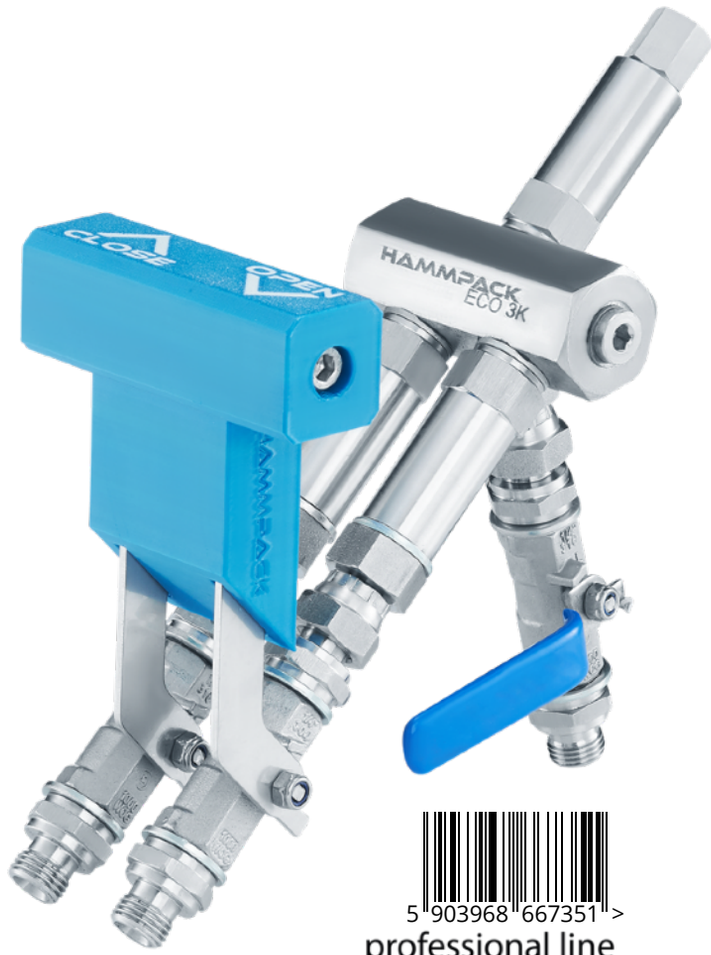
5 903968 662035 >
professional line

HAMMPACK® ECO 3K

3K HEAD

Index: ECO 3K

- *Stainless steel*
- *Maximum pressure: 250 bar*
- *Weight: 1,13 kg*
- *Connection: 1/4" BSP*
- *Outlet: M10x1*



Advantages:

- *Ball valve service philosophy: "replace, don't clean" – the fastest return to operation and minimal maintenance costs*
- *Versatile third main channel, ideal for quick system flushing or working with an additional component*
- *Lightweight, ergonomic design providing high comfort during long injection operations*
- *Full availability of inexpensive, replaceable check valves as service parts*
- *Complete customization of components (ball/float valves, springs)*

Features:

An intelligent solution designed for maximum efficiency and minimal service costs. Equipped with ball valves that can be replaced faster and more economically than cleaned. The perfect choice for companies performing a large volume of injection work, where every minute of downtime matters and maintenance cost efficiency is crucial.

5 903968 667351 >
professional line

HAMMPACK® ECO 2K

2K HEAD

Index: ECO 2K

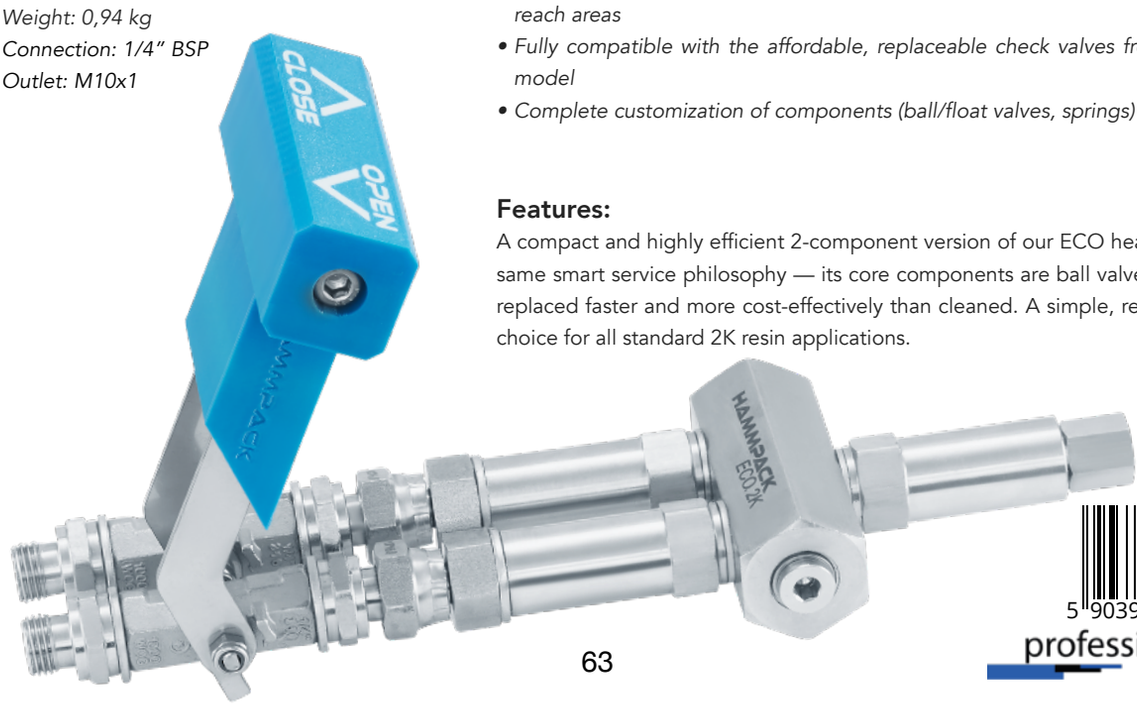
- *Stainless steel*
- *Maximum pressure: 250 bar*
- *Weight: 0,94 kg*
- *Connection: 1/4" BSP*
- *Outlet: M10x1*

Advantages:

- *The most economical solution for professional 2-component injections on the market*
- *Ball valve service philosophy: "replace, don't clean" (as above)*
- *Simplified 2-channel design for even faster and easier maintenance*
- *Extremely lightweight and compact construction, ideal for use in tight or hard-to-reach areas*
- *Fully compatible with the affordable, replaceable check valves from the ECO 3K model*
- *Complete customization of components (ball/float valves, springs)*

Features:

A compact and highly efficient 2-component version of our ECO head. It follows the same smart service philosophy — its core components are ball valves, which can be replaced faster and more cost-effectively than cleaned. A simple, reliable, and ideal choice for all standard 2K resin applications.



5 903968 667450 >
professional line

HAMMPACK® MID 3K

3K HEAD

Index: MID 3K

- *Stainless steel*
- *Maximum pressure: 250 bar*
- *Weight: 1,58 kg*
- *Connection: 1/4" BSP*
- *Outlet: M10x1*



Advantages:

- *Top-grade, high-flow ball valves ensuring smooth operation even with highly viscous materials*
- *Versatile third main channel for system flushing or application of additional components*
- *Design optimized for easy cleaning and long-term use of premium-class valves*
- *Intuitive sliding Open/Close handles for easier operation and channel testing*
- *Fully serviceable with access to all spare parts, including premium-quality valves*
- *Complete customization of components (ball/float valves, spring*

Features:

Our most popular and versatile 3-component model, combining top performance with ease of operation. Equipped with high-capacity, premium ball valves, it performs exceptionally well with a wide range of materials of varying viscosities. The first choice for professionals seeking uncompromising efficiency and reliability in daily use.

5 903968 667344 >
professional line

HAMMPACK® MID 2K

2K HEAD

Index: MID 2K

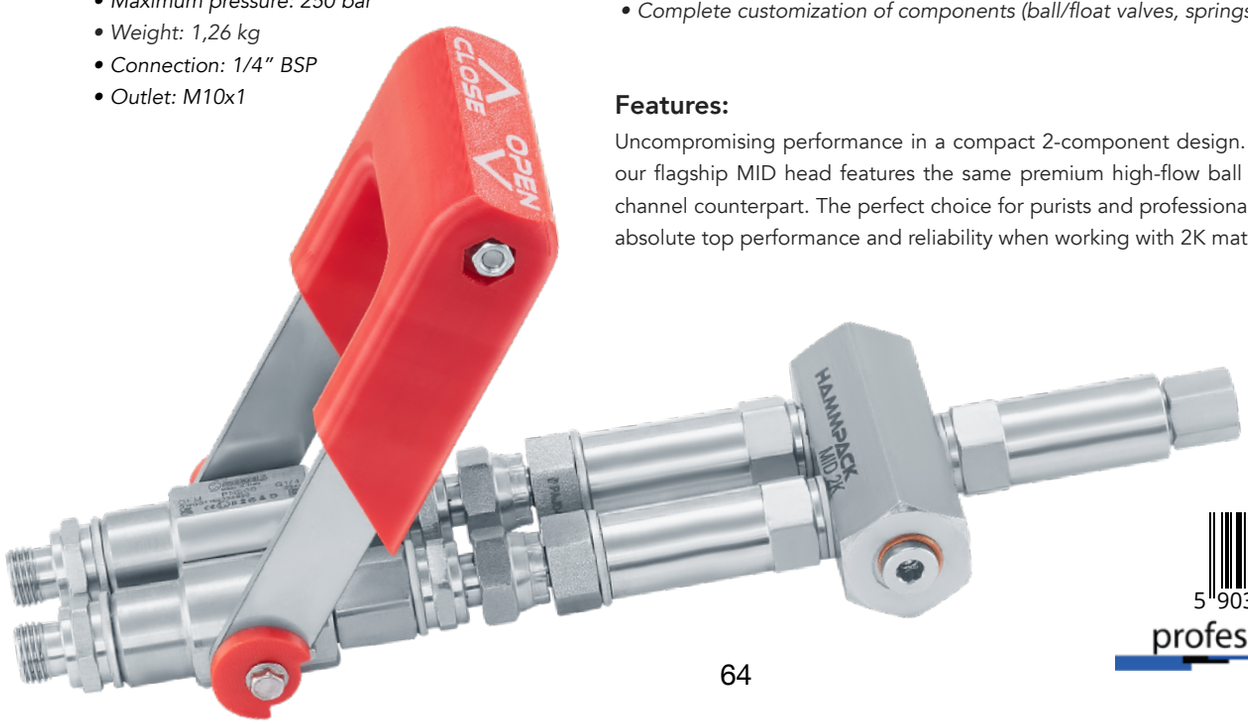
- *Stainless steel*
- *Maximum pressure: 250 bar*
- *Weight: 1,26 kg*
- *Connection: 1/4" BSP*
- *Outlet: M10x1*

Advantages:

- *The same uncompromising high-flow ball valve performance as in the 3K version*
- *Simplified 2-channel design*
- *Intuitive Open/Close handles and full serviceability identical to the 3K model*
- *Complete customization of components (ball/float valves, springs)*

Features:

Uncompromising performance in a compact 2-component design. This version of our flagship MID head features the same premium high-flow ball valves as its 3-channel counterpart. The perfect choice for purists and professionals who demand absolute top performance and reliability when working with 2K materials.



5 903968 667467 >
professional line

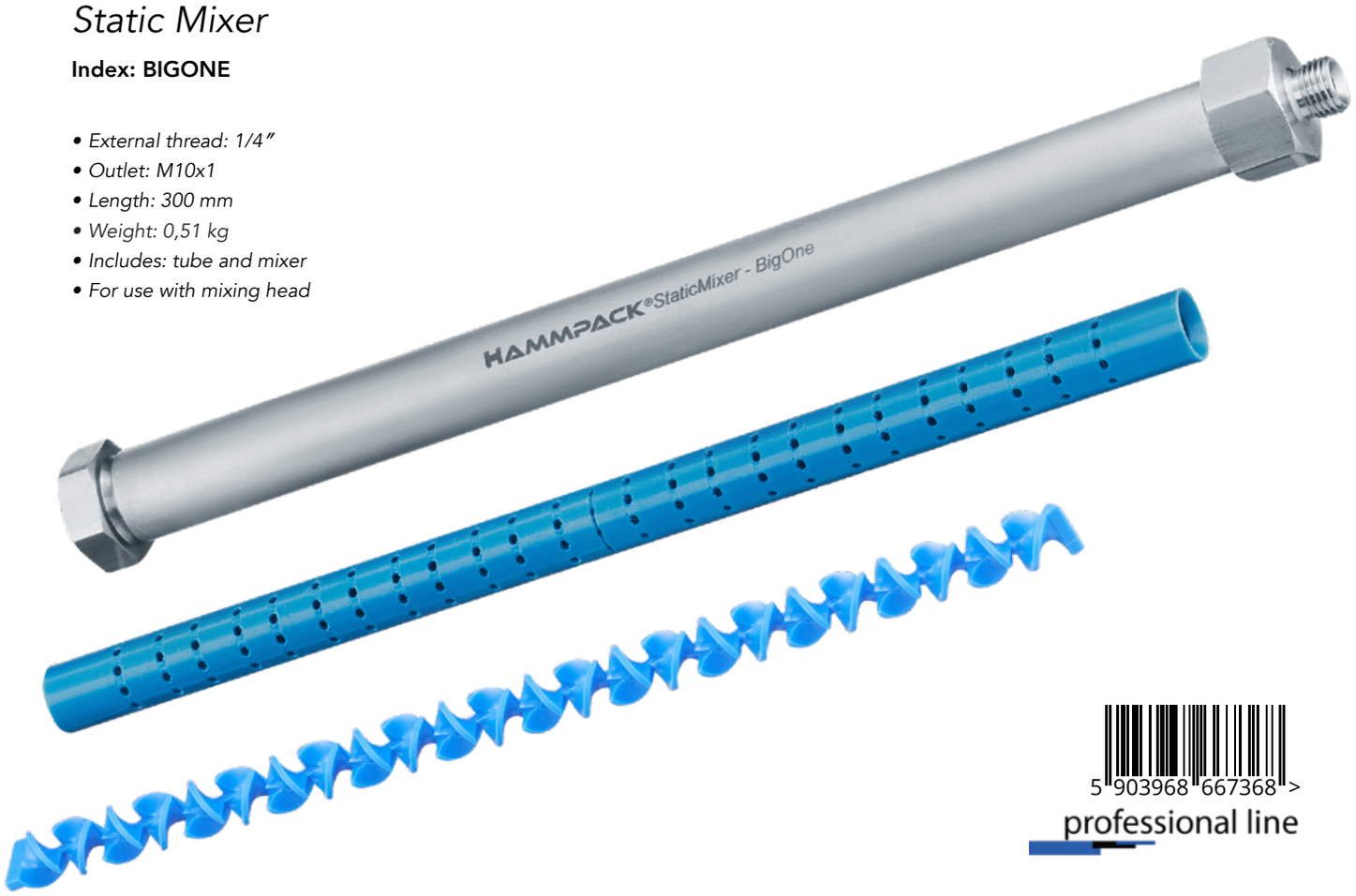
HAMMPACK®

STATIC MIXER BIGONE

Static Mixer

Index: BIGONE

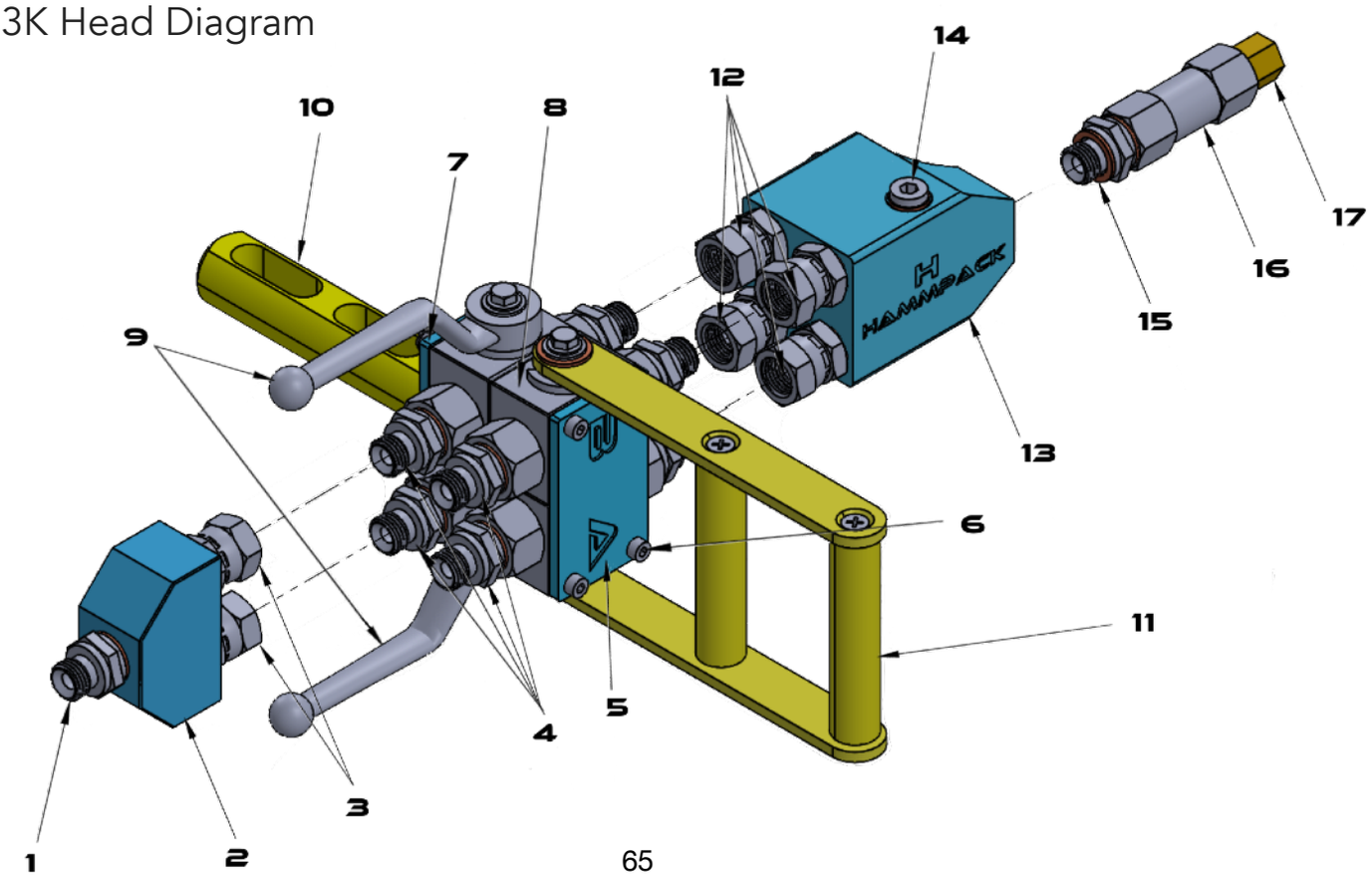
- *External thread: 1/4″*
- *Outlet: M10x1*
- *Length: 300 mm*
- *Weight: 0,51 kg*
- *Includes: tube and mixer*
- *For use with mixing head*



5 903968 667368 >

professional line

3K Head Diagram



INJECTION PUMPS



PI-PUMP 4000

professional line



INJECTION PUMP

index: PI-PUMP 4000

- *Type: Diaphragm injection pump*
- *Maximum pressure: 220 bar*
- *Flow rate: ~4 l/min*
- *Weight: 22.6 kg*
- *Electric motor compliant with CE standards*
- *Power: 0.75 kW*
- ***230 V / 50 Hz (available: 110V)***
- *Noise level according to CE standards: 61 dB*

- *4.5 m high-pressure hose*
- *CPX coupling*
- *High-pressure injection valve*

PI-PUMP 4000 - Professional high-pressure injection pump

Combines smooth operation with high performance and precise pressure adjustment. The desired pressure can be preset, and injection is controlled simply by opening the valve. The PI-PUMP 4000's outstanding advantage is its exceptionally high flow rate, which is particularly useful for fast operation in both vertical and horizontal waterproofing applications. The pump is fully ready for injection work.

Applications:

- *Low- and high-pressure injections*
- *Polyurethane resins*
- *Epoxy resins*
- *Foaming polyurethane resins*
- *Silicates / Water dispersions*

5 903968 661175 >



PI-PUMP
professional line

INJECTION PUMP

index: **PI-Pump**

- *Type: manual injection pump*
- *Injection hose 0.5m*
- *Socket CPX*
- *Maximum pressure: 400 BAR*
- *Weight: 1,25 kg*
- *Capacity: 1 l*

Economy Hand Pump

An economical hand pump designed for small injection jobs or as a reliable backup tool on the construction site.

Due to its simple construction, in which internal seals (O-rings) naturally wear out and are uneconomical to replace, the product should be considered a single-use solution.

- **Purpose:** Small-scale jobs, point sealing, emergency pump
- **Compatible materials:** Polyurethane (PU) and epoxy (EP) resins
- **Available options:** Option to mount a pressure gauge or adapt for a flat coupling connection

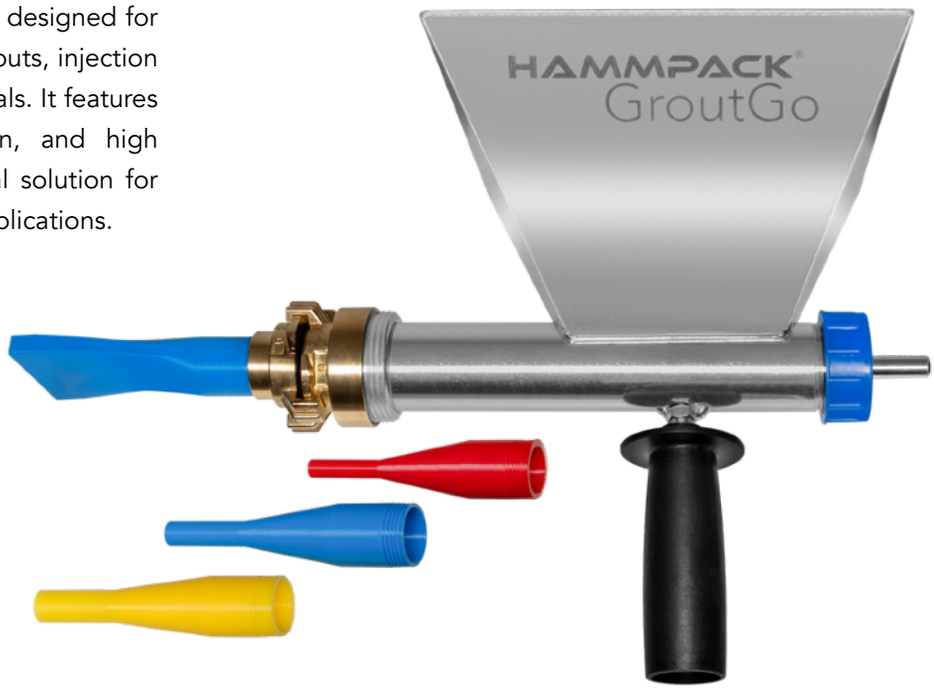
5 903968 660857 >

GROUTGO

HAMMPACK® – Precision in Every Detail

index: GROUTGO

GroutGo is a modern screw pump designed for reliable and efficient delivery of grouts, injection mortars, and cement-based materials. It features a simple design, easy operation, and high performance — making it an ideal solution for construction sites and industrial applications.



Technical Specifications

- *Hopper capacity – 3 L*
- *Weight – 2 kg*
- *Power source – cordless drill*

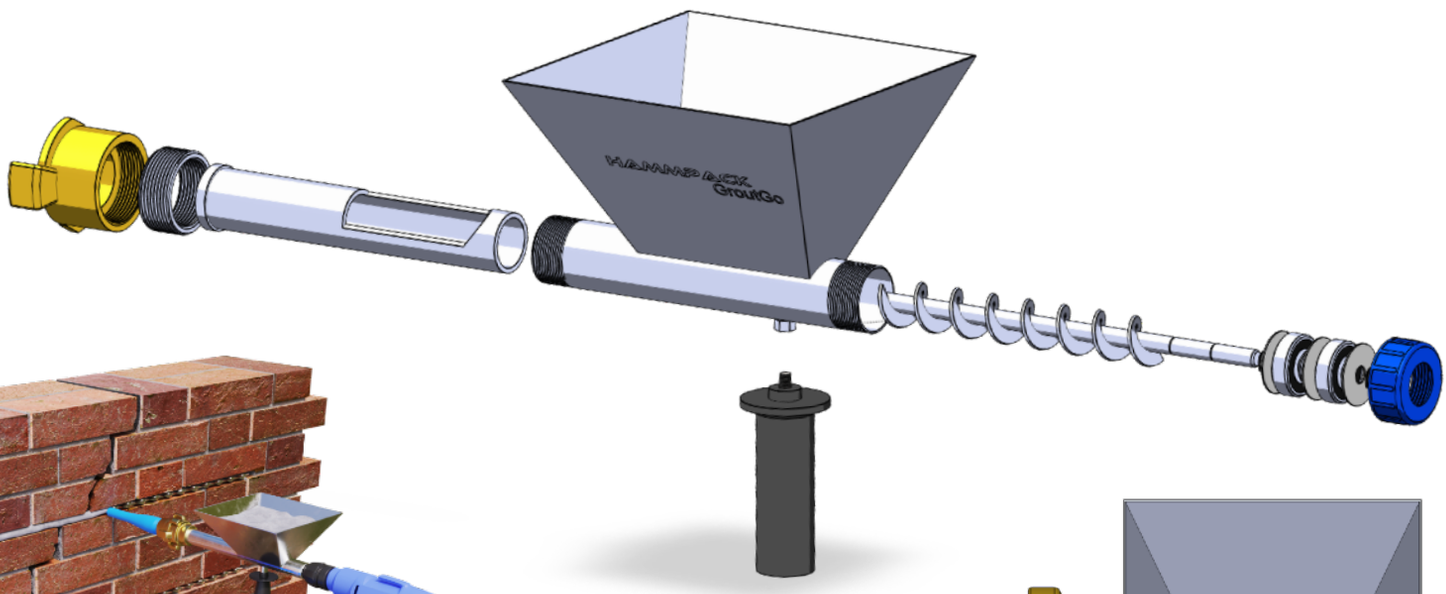
Applications:

- *Void and cavity filling*
- *Civil and structural engineering*
- *Cementitious grouting*

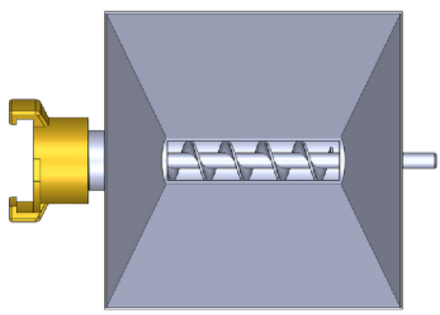
5 903968 660857 >

Key Features:

- ***High performance** – precise rotor–stator system ensures consistent flow*
- ***Compact design** – easy to transport and operate in confined spaces*
- ***Low maintenance requirements** – durable construction minimizes downtime*
- ***Easy service access** – quick access to essential components*
- *Dedicated grouting guns available*







PUMP INTEGRALE **800**

INJECTION OF CREAMS
FLUSHING / BLOWING OUT HOLES
INJECTION OF CEMENT SUSPENSIONS
GROUTING



Index: PUMP INTEGRALE 800

Technical Parameters
- *Capacity – 800 ml*
- *Weight – 0.8 kg*
- *Length – 66 cm*
- *Diameter – ø61 mm*

Applications:
- *Cream injection*
- *Injection of cement-based mortars into holes*
- *Flushing or blowing out drilled holes*
- *Grouting*

Advantages:
- *Ability to draw material directly from the container*
- *Quick assembly using GEKA couplings*
- *Fast and efficient application*
- *Reliable, maintenance-free design*
- *Easy and quick cleaning with water*
- *It is recommended to use PI-SAVER lubricant before and after each use to extend the device's service life*

Set includes:
- *PI-PUMP INTEGRALE 800*
- *Nozzle ø10 mm / 400 mm*
- *Nozzle ø12 mm / 400 mm*

5 903968 661540 >

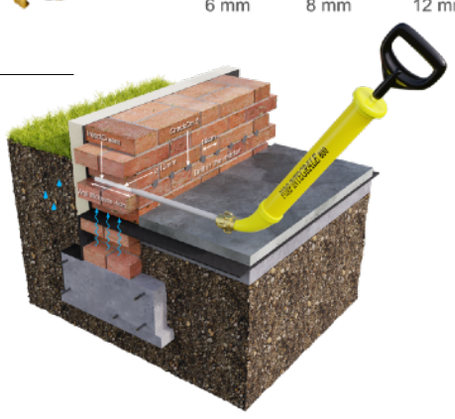
GROUTING SET:
Index: FUG-C



- *GEKA adapter*
- *Nozzle with outlet ø6 mm, length 22 mm*
- *Nozzle with outlet ø6 mm, length 35 mm*
- *Nozzle with outlet ø8 mm, length 22 mm*
- *Nozzle with outlet ø8 mm, length 35 mm*
- *Nozzle with outlet ø12 mm, length 22 mm*
- *Nozzle with outlet ø12 mm, length 35 mm*

NOZZLE 12/1000mm
Index: 12/1000





- *GEKA adapter*
- *Length: ø12 / 1000 mm*
- *Easy to shorten manually*

PI-CLEANER

- Used for cleaning pumps during work breaks and after completing injection operations.
- Its strong dissolving capability makes it suitable for removing liquid polyurethane or epoxy resins, as well as for cleaning equipment used with silicate-based materials. The main application area is cleaning and flushing injection pumps and other working tools.
- Odor-neutral material
- The cleaning agent is frost-resistant
- Protect from moisture and direct sunlight
- Packed in tightly sealed, original packaging

Advantages:

- *Does not damage O-rings or seals in pumps and heads*
- *Has preservative properties*
- *Does not foam upon contact with polyurethane resins*
- *Non-volatile*
- *Environmentally friendly and free from ADR markings*

After each use of the injection pump, it is recommended to fill it with PI-SAVER lubricant.



5 903968 660215 >

5 903968 660222 >

professional line

PI-SAVER

- A special lubricant blend for injection pumps, extending the device's service life
- Perfect for equipment testing and lubrication after each cleaning
- Odor-neutral material
- No additional protective measures required
- Protect from moisture and direct sunlight
- Packed in tightly sealed, original packaging

Advantages:

- *Preserves O-rings and seals in pumps and heads*
- *Non-volatile*
- *Environmentally friendly*



professional line

5 903968 663537 >

5 903968 663544 >

ACCESSORIES



CPX

index: CPX

- *Material: steel / teflon*
- *m10x1*
- *Chemical resistant*
- *For ECO and SWG nipple*

5 903968 660727 >

CPX-T

index: CPX-T

- *Material: steel / teflon*
- *m10x1*
- *Chemical resistant*
- *For conical, plastic and SWG nipple*
- *Turned jaws*



5 903968 660741 >



CPF

index: CPF

- *Material: aluminum*
- *m10x1*
- *Chemical resistant*
- *For flat nipple*

5 903968 660765 >

INJECTION HOSE

index: PI-hose 50cm

- *Thread m10x1*
- *Length 0,5m*
- *Max pressure 1000 BAR*
- *Chemically resistant*



5 903968 660772 >



INJECTION GUN

Index: PI-gun 1K 4000

- *1/4" thread*
- *Max pressure 248 BAR*
- *Lightweight design*

5 903968 661267 >

INJECTION VALVE

index: PI-value 1k 4000

- Chemical resistant
- High pressure (500 BAR)
- 1/4" connection
- Four jaw end



5 903968 660840 >



INJECTION VALVE

index: PI-value EL 1K 4000

- *Chemically resistant*
- *High pressure (500 BAR)*
- *1/4" connection*
- *50 cm hose and four-jaw nozzle included*

5 903968 660079 >

PI-PUMP REDUCTION

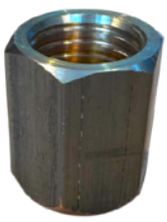
index: PI-PUMP REDUCTION

- *Chemically resistant*
- *1/4" 11/16"*
- *Allows connection of injection guns and valves to PI-PUMP 6000+ pump hoses*



5 903968 660338 >

ACCESSORIES FOR PI-PUMP 4000



PET ADAPTER

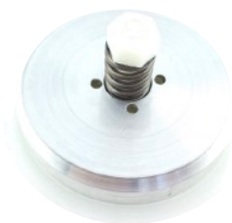
index: PI-PET 4000

- *Adapter for PET bottles*
- *For use with PI-PUMP 4000*
- *Material: CW617N brass*

5 903968 660246 >

POMP MEMBRANE

index: PI-mem 4000



- *Material: stainless material resistant to chemical aggression*
- *Up to PI-PUMP 4000*

5 903968 661250 >



PRESSURE GAUGE 0-250 BAR

index: manometre 250

- *Pressure range: 0-250 Bar*
- *Diameter: ø63 mm*
- *1/4" BSP connector*
- *Accuracy class: 1,6*

5 903968 660789 >

PUMP VALVE

index: CA4217V



- *Material: stainless steel*
- *For PI-PUMP 4000*
- *Allows material to be drawn into the pump*

5 903968 661281 >



PRESSURE CONTROL VALVE

index: CA4214-15

- *For PI-PUMP 4000*
- *Pressure from 0 to 230 bar*

5 903968 661274 >

HIGH-PRESSURE HOSE

index: PI-Hose 4,5 4000



- *Connection thread 1/4 inch*
- *For PI-PUMP 4000*
- *Max pressure 250 bar*
- *Length: 2m, 4m, 7m, 12m, 15m*

5 903968 661304 >



6L tank

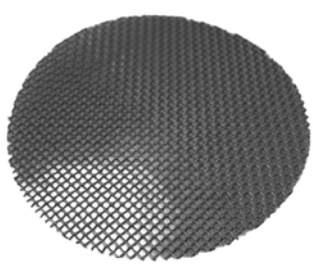
index: Gravity tank 6l

- *For PI-PUMP 4000*
- *Capacity 6L*
- *Thread 36x2*

5 903968 660086 >

Stainless steel strainer

index: inox filter



- *For PI-PUMP 4000*
- *Diameter ø88 mm*
- *Mesh diameter 1,25 mm*

5 903968 663735 >

STEEL PACKERS ø8-55 mm



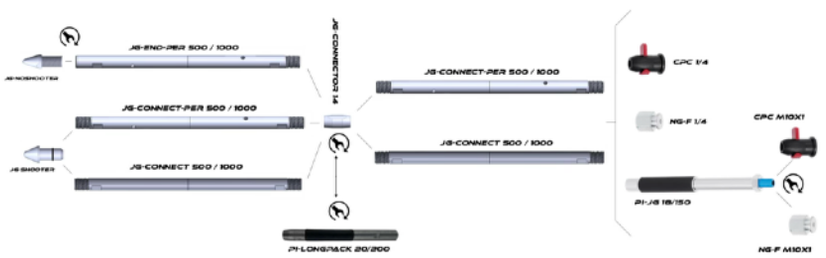
ONE DAY PACKERS ø10-14 mm



PLASTIC PACKERS ø6-18 mm



INJECTION LANCES ø13-21,3 mm



HELICAL BAR ø6-10 mm



INJECTION HOSES



INJECTION EQUIPMENT



B2B PLATFORM:

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