

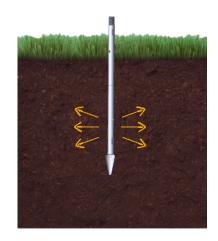
INJECTION LANCES

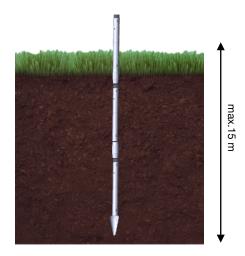


Injection with Injection Lances

JG-SYSTEM injection lance system, with 500 mm and 1000 mm solid and perforated sections. Balanced injection surface structure for both cement suspensions, geopolymers, acrylic gels and polyurethane resins.







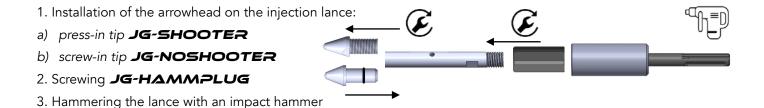
JG-SHOOTER

Injection spearhead - allows for injection directly into the ground (for solid lances) or perforated lances.

JG-NOSHOOTER

The fixed blade outlet allows for injection along the entire length of the perforated lance. The maximum depth of the works carried out depends on ground conditions, in case of favorable conditions it can be up to 15 meters.

Installation of Injection Lances HAMPACK®

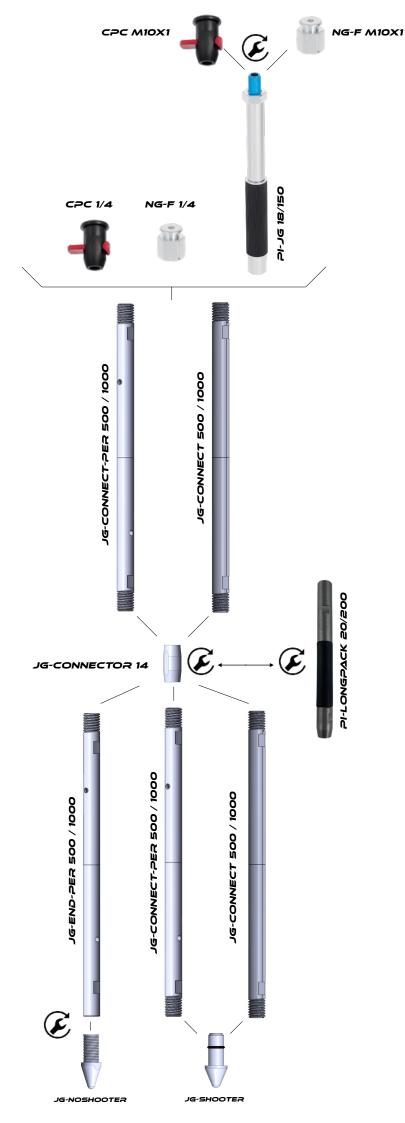




- 4. Wringing out JG-HAMMPLUG
- 5. Filing JG-CONNECTOR 14

Assembling another piece of the lance.

6. Repeat steps 2-5 to reach the final depth





JG - INJECTION LANCES

material: steel

outer diameter: Ø13 mminner diameter: Ø9 mm

Bore diameter: Ø3.8 mm (JG PER)
No. of holes / mb: 16 (JG PER)

• length: 500 / 1000 mm

Keyed: 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

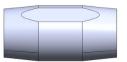
material: steel

outer diameter: Ø16 mminner diameter: Ø13 mm

for wrench: 15 mm

GW 1/4

System connector **JG**



PI-JG 18/150

material: steel

diam. 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

diam. diameter: Ø20-22 mm

connections: GW 1/4

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



PRODUCTS



	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 Key 12mm for the screwdriver head JG-NOSHOOTER	500 1000 5 903968 662288 > 5 903968 662295 >
	JG-CONNECT-PER 500 / 1000 Lance for injection perforated Key 12mm	500 1000
	JG-CONNECT 500 / 1000 Full injection lance Key 12mm	500 1000
	JG-CONNECTOR-14 Lance coupler Wrench 15mm	5 903968 662271 >
E10	NG-F 1/4 Flat Cap (Ball 5mm, G1/4)	5 903968 662363 >
Elo	NG-F M10 Flat Cap (Ball 3mm, m10x1)	5 903968 662370 >
	CPC 1/4 Push-in injection valve 1/4 Flow rate 7mm	5 903968 662387 >
	Injection valve m10x1 Flow rate 7mm	5 903968 662394 >
	PI-JG 18/150 Bore diameter: Ø18mm 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 >

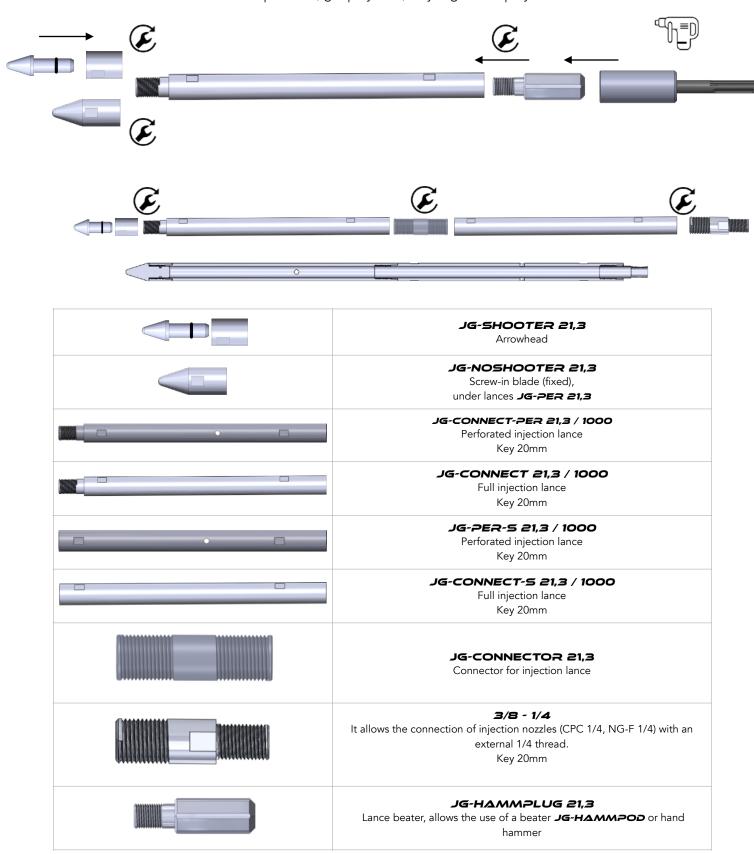
Stages of Lance Injection **HAMMPACK**®

- 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 Ø21,3MM injection lance system 1000mm solid and perforated sections. Balanced injection surface structure for both cement suspensions, geopolymers, acrylic gels and polyurethane resins.





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 mmKey: 20 mmGZ 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 ORAZ 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



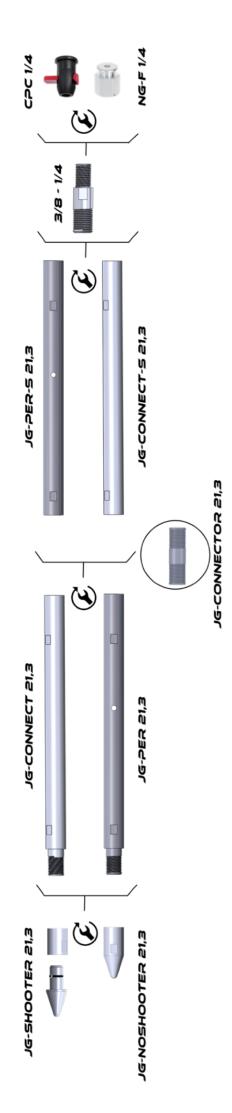
It allows the connection of injection nozzles (CPC 1/4, NG-F 1/4) with an external 1/4 thread.

JG-HAMMPOD 21,3

· material: steel

Mallet for injection lances 21,3mm







Hammpack sp. z o.o.

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