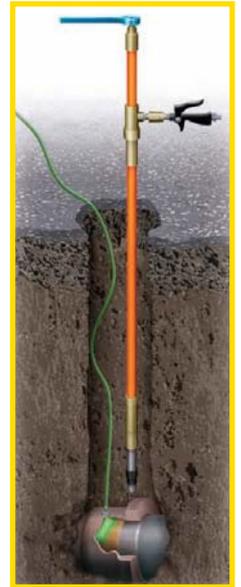


Keyhole Long Handled Tooling

Long reach tooling enables operations to be conducted on underground gas pipes from surface level, through a small 'keyhole' excavation.

Keyhole excavation offers significant financial savings, reduced disruption to traffic and lower risk of damage to other buried plant. The results are lower labour costs, smaller quantities of spoil and backfill material and lower reinstatement costs. Additionally, the operative is kept out of the excavation and away from the hazards associated with confined spaces.

In conjunction with network operators, ALH Systems has developed special long reach tools for keyhole operations and keyhole versions of conventional equipment, including leakage control, drilling and tapping, plug and tee insertion and camera entry systems.

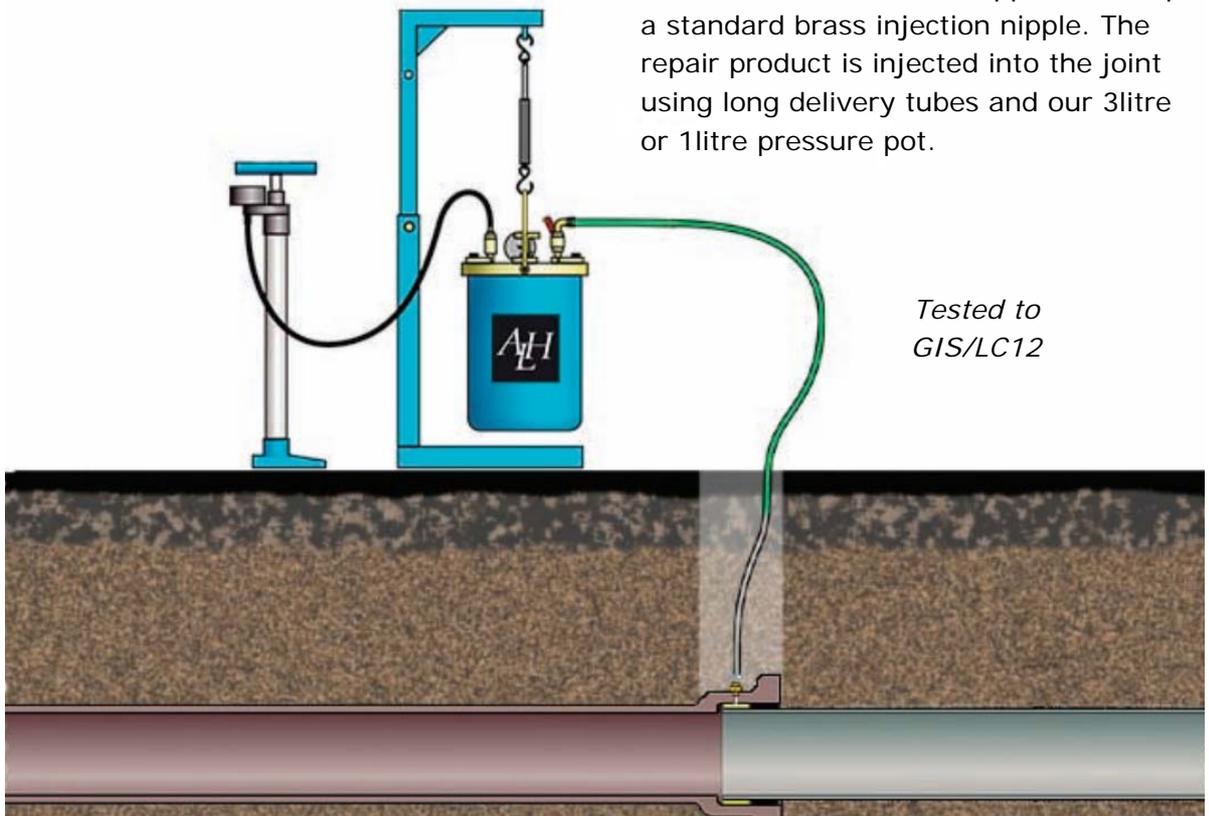


*Long Handled
Tooling Mainspray
Injection*

Joint Repair

Leaking joints between METALLIC pipe sections can be treated ALL FROM ABOVE GROUND. This can have a big impact where a series of joints needs to be treated at frequent intervals along a main road.

Long reach tooling allows the back of a socket to be drilled and tapped to accept a standard brass injection nipple. The repair product is injected into the joint using long delivery tubes and our 3litre or 1litre pressure pot.



*Tested to
GIS/LC12*

The ALH 1ltr and 3ltr Mainspray pressure pot are designed for 3bar maximum working pressure. Both pots work in conjunction with the back of socket long handled tooling for above ground working.

Equipment

1. Back of socket long handled tooling. This system is used to drill, tap and fit a brass injection nipple from above ground.
2. 1Ltr pressure pot, ideal for tier 1 joints. Portable, easy to use, requires very low maintenance.
3. 3ltr Large diameter pressure pot, suitable for 3"-48" joints. This system uses a spring balance to accurately measure the amount of sealant being dispensed.

Advantages

- Single injection point
- Reduced excavation size
- Reduced time spent in excavation
- Low cost equipment
- Simple operation
- No waste disposal problems
- No on cost

Pipe Size	Sealant Qty (grms)
3" - 6"	500
8" - 10"	1000
12" - 14"	1500
16" - 18"	2500
24"+	3000



**Back of Socket Long
Handled Tooling Kit
116-9020**



**3 Litre Pressure Pot
154-9000**



**1 Litre Pressure Pot
172-9000**



ALH Systems Ltd
1 Kingdom Avenue
Northacre Industrial Park
Westbury
Wiltshire
BA13 4WE

Tel: 01373 858234
Email: sales@alh-systems.co.uk
Website: www.alh-systems.co.uk



This company is in accordance with:
ISO 9001 & ISO 14001

The designs and specifications shown are subject to change without notice due to the continuing programme of product development by ALH Systems Limited.