



HELIX

Helix Telescopic Carbon Pole
Maintenance & Instructions



Helix Operations provide a complete capability for vertical access and rescue in mountain, maritime and urban environments.

We are based in the mountains of North Wales and have a heritage of over 40 years supplying tactical climbing solutions to end users. Over that time, we have worked with and become a main supplier of tactical climbing equipment to the UK MOD and have provided equipment, systems and training to many other nations.

The capability offered by our close relationship with DMM has been extended by partnering with manufacturers such as CTOMS, Henriksen, HQH, Protection, Rock Exotica, Highnovate and Cadex Defence to offer complete solutions for working at height in a tactical environment.

ICAGE: U1AG3
Company Number: 10316654
DUNS: 221986629
NCAGE: U1AG3

Our Mission Statement:

To be the leading worldwide provider of comprehensive vertical access, rescue and mobility capabilities to the tactical operator in the mountain, urban and maritime environments.

To support vertical access operations for the tactical operator with a range of services including:

- Advice
- Equipment
- Training
- Servicing



Helix Telescopic Carbon Pole

Maintenance

Storing

The Helix Operations Telescopic Carbon Poles should be stored in a dry area away from chemicals. Ensure the product is completely dry before storing.

Washing

After use in salt water, the Telescopic Pole and any associated equipment should be thoroughly washed in fresh water. Ideally the pole should be disassembled for cleaning and drying.

Clamps and moving parts

All clamps and moving parts should be lubricated when needed or after immersion in salt water. Any oil, grease, Teflon or silicone lubrication can be used. Metal parts such as the top adaptor, top adaptor pin and Clamp bolts should be lubricated to avoid corrosion, a marine spray lubricant such as CRC 6-66 is advised.

Inspection

The following is an excerpt from the Helix Operations 3 day PPE Inspection course:

It is difficult to inspect carbon fibre items as often the damage is internal, and specialist equipment such as ultra sound is required to give a definitive test result.

Contamination/Corrosion

- Carbon fibre is relatively resistant to chemical contamination
- Check for discolouration.

Abrasion/Cuts

- Check for any cuts or areas of abrasion, these will often be associated with non-visible internal damage
- Check for loose surface fibres, be aware of checking with fingers as fibres are often small and non-visible but very sharp.

Deformity

- Any signs of deformity which are often linked to frayed surface fibres
- Cracking of surface coating.

Dynamic Event

- Report any dynamic events, falls and impacts, as often this will cause non-visible damage.

Function (Tap) Test

It is possible to test carbon fibre items by tapping it with a small metal object such as a coin. Normally this will produce a hollow sharp sound. Internal damage will often deaden the sound.

Disassembly

Do not use any tools to disassemble this product, all assembly, disassembly, maintenance and inspection can be done by hand. If any parts are missing, or show signs of damage, please contact Helix Operations for advice.

Safety

Ensure the area of use is free from overhead hazards such as powerlines and other electrical sources. Be aware of other environmental factors, equipment and personnel which could damage the pole or prevent its safe deployment.

Ensure the pole is well supported and maintain an appropriate approach angle to safely manage the load, be aware that too much load on a low angle of approach could damage the pole.

Do not use any pole which has been damaged or modified.

Operating Guidelines

- Check fit of top adaptor into the first (and smallest) clamp, adjust the clamp tension bolt by hand if a tighter fit is required.
- Release the clamp on the next collar down and extend the pole to its full length, continue this process as you move down the pole until you achieve the desired height for deployment.
- Be aware of the red stop mark which becomes visible when each pole section is fully extended, do not extend the pole beyond the start of the red section.
- Each section should slide with a small amount of assistance when the clamp is in the open position, once the clamp is closed the pole section should remain locked in place, adjust the clamp tension bolt if required (the clamp tension bolt should only be adjusted in the clamp open position).
- Lighter loads are significantly more manageable at distance than heavy loads, where possible utilise the lightest hook/ladder combination suitable for the task.



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Adapter

The Helix Hook Adapter fits into the top section of the Carbon Pole and is secured in place by the first clamp.



Pole Adjustment

When each pole section is fully extended the red marker indicates the maximum extension.

DO NOT EXTEND BEYOND THE RED MARK.



Adapter

The tension of the clamps on the pole can be adjusted by turning the bolt cap clockwise.



Helix Urban Hook

Helix Urban Hook is inserted and is prevented from rotating by the notches in the adapter head.

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Instructions



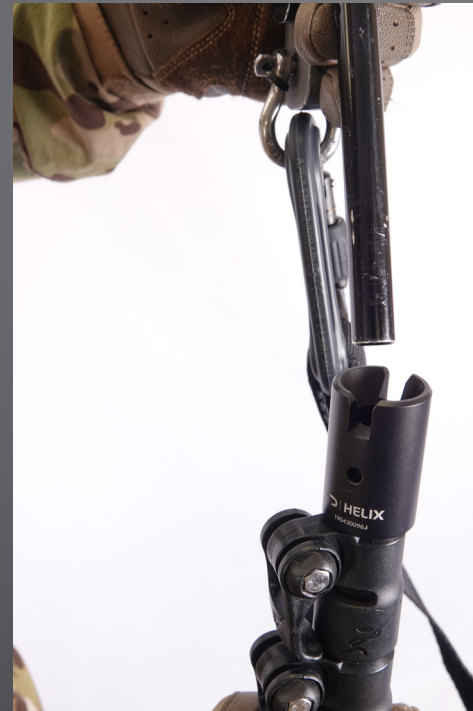
Adapter

For use with hooks fitted with a Pigg system, the insert can be placed in the pole adapter and is prevented from rotating by the two notches.



Pigg Adapter

If the hook needs to be permanently fixed into the pole, it can be achieved with the supplied spring clip.



Pigg Adapter

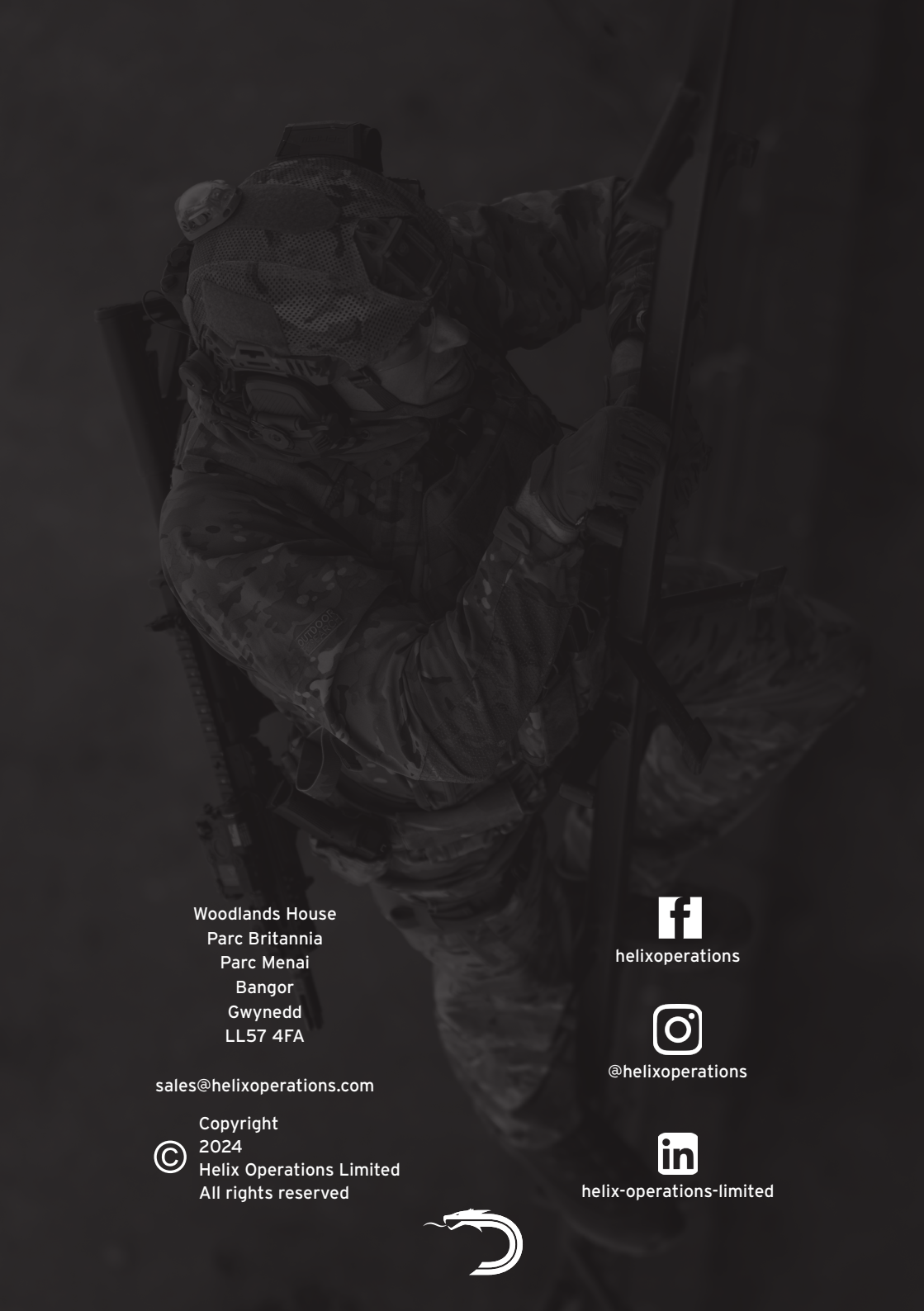
The adapter features a unique (Patent Pending) conical internal bore which makes "fishing" to recover the hook much easier and faster.

Helix Operations evolved out of DMM International when it became apparent that there was a need for a specialist company to support the government, tactical, and rescue markets.

DMM International has a global reputation as a leading manufacturer of superior height safety equipment and has supplied the UK and overseas military and government institutions with equipment since 1985. Growing demand for a broad range of complete, specialist systems where all components are selected and proven to work together led to Helix being founded on this broad wealth of expertise and experience. With a remit to bring together a portfolio of the best equipment, the resulting partnerships with companies such as REBS, CTOMS, and Atlas amongst others have allowed us to offer a complete capability for vertical access and rescue across Urban, Mountain, and Maritime environments.

Helix's mission is to provide the tactical end user with the very best equipment and systems for vertical access, egress, and rescue scenarios.

We understand that first class equipment is only one part of the equation, and that without a trained operator or enabler it is unlikely to be utilised to its true capacity. That is why Helix also offers training packages alongside systems and kit. Training can be delivered through a range of options; from standard courses for the operator, maintainer, or supervisor, through to bespoke courses covering specific scenarios. These training courses are either accredited by Helix or through external validation depending on the end user requirement and course syllabus.



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