



# 0.6m High Bolt Down 868 Mesh Intermediate Post Kit MESH-TOP-KIT-0680

Operations, Maintenance & Installation Manual

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This manual provides a comprehensive overview for the installation, operation, and maintenance of the MESH-TOP-KIT-0680 - 0.6m HIGH BOLT DOWN 868 MESH INTERMEDIATE POST KIT. This system is designed to provide a secure and durable bolt-down fencing solution for walls or other suitable hard surfaces.

**Disclaimer:** This guide is for informational purposes only. The installer is responsible for ensuring the installation complies with all relevant British Standards, including BS 1722-14:2017 'Fences - Specification for open mesh steel panel fences', local building regulations, codes of practice, and site-specific risk assessments. While every attempt has been made to verify the accuracy of the content in this guide upon its release, we cannot accept liability for any losses or damages resulting from inaccuracies. All tasks outlined must be carried out by certified professionals. Any deviation from these instructions nullifies any guaranteed entitlement or liability from the manufacturer.

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**Contact:** For enquiries regarding the installation, operation or contents of the guide in relation to this product please direct your questions to : The Product and Drawing Office Manager, First Fence Ltd, Off Kiln Way, Swadlincote, South Derbyshire DE11 8EA. Or The Product and Drawing Office Manager [sales@firstfence.co.uk](mailto:sales@firstfence.co.uk) +44 1283 380054.

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**Competence:** This product must be installed by a person of competence, defined as an individual who possesses the necessary knowledge, skill and experience in the installation of fences and gates.

**Liability:** This installation guide should be understood and followed before any installation activities commence. If any area of the installation is unclear, the installer must contact the manufacturer, outlined in 'Contact.' First Fence Ltd takes no responsibility for incorrectly installed systems, product, material or components.

# 1.0 Safety & Tools

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## Personal Protective Equipment (PPE)

The following minimum PPE is required for installation:


Hard Hat

Must be worn



Eye Protection

Must be worn



Safety Gloves

For all material handling



Foot Protection

Must be worn



## Risk Assessment

Installers are responsible for completing a site-specific risk assessment and complying with all local risk assessments before starting work. This responsibility includes, but isn't limited to, the following:

Activity	Risk Assessment Requirements and Not Limited to
Breaking ground for post hole excavations	Noise Vibration Manual Handling
Post Installation	Manual Handling
Installation of Fixings	Noise Vibration Working at Height

## Tools & Equipment

### Tape Measure

For setting out and measuring distances



### Hammer Drill & Masonry Bits

Appropriate for your wall material and fixing size



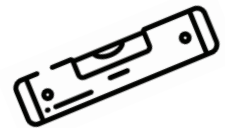
### Pencil/Marker

For marking drilling points



### Spirit Level

For plumb (vertical) and level installation



### Cleaning Brush/Pump

For clearing drilled holes, especially for chemical anchors



### Wrenches/Spanners

For M8 Security Bolts and M16 Fixings



### Caulking Gun

(If using chemical anchors): For injecting Resin



### Cable Avoidance Tool

To identify hidden services embedded in the wall



## 2.0 Pre-Installation

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### Site Survey & Wall Condition

Thoroughly inspect the wall where the fencing kit will be installed. Assess the wall material (brick, concrete, etc.) and its structural integrity. Always check wall condition first – crumbling mortar or hollow bricks need special care and may require alternative fixing methods. Ensure the wall surface is clean and clear of obstructions.

### Underground/Wall Services

Before any excavation, establish and mark the locations of all underground services (e.g., electricity, gas, water). Use a Cable Avoidance Tool (CAT) and refer to utility plans.

### Materials Check

Unpack the kit and verify all components are present and undamaged, checking against the Bill of Materials (Section 4.0). Ensure all components are free from corrosion or damage.

## 3.0 Installation

### Planning and Marking Post Positions

Identify where the bolt-down post will be positioned on your surface. The post centres are  $2530\text{mm} \pm 15\text{mm}$ , which accommodates the 2506mm panel width. Using a measuring tape and marker, mark the desired position for your first post. The base plate of the post will have pre-drilled holes for the bolt-down fixings. Place the post in its exact desired location and mark the drilling points through the base plate holes onto the surface. Ensure these marks are aligned using a spirit level.



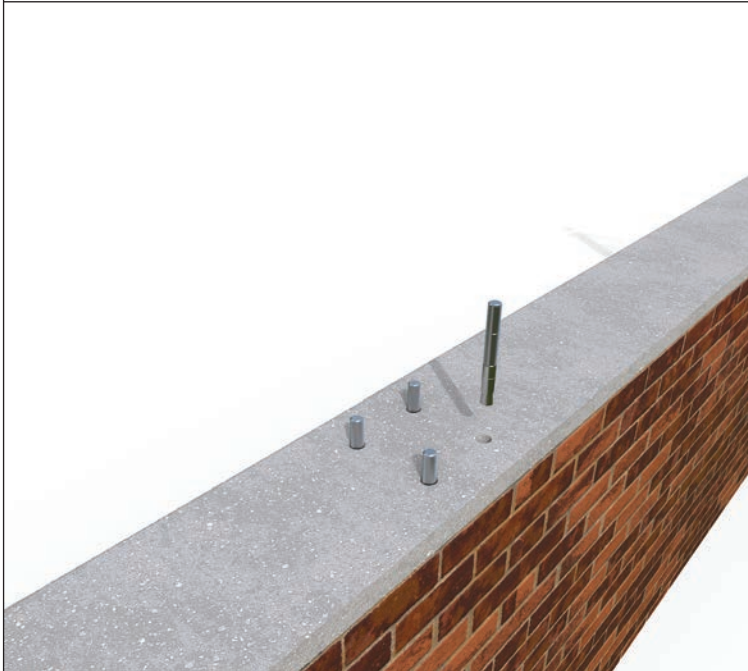
### Drilling and Attaching the Post

Using your drill and the appropriate masonry drill bit for your chosen fixings, carefully drill holes at the marked points on the surface. Ensure the depth is sufficient for your chosen anchors. Remove any dust or debris from the drilled holes.



### Insert Fixings

Insert your chosen bolt-down fixings (e.g., heavy-duty concrete anchors or chemical anchors) into the drilled holes according to the manufacturer's instructions.



### Mount Post

Align the bolt-down post with the fixings and secure it firmly to the surface. Tighten them securely, but do not overtighten.





### Preparing for Mesh Panel Attachment (Clips and Bolts)

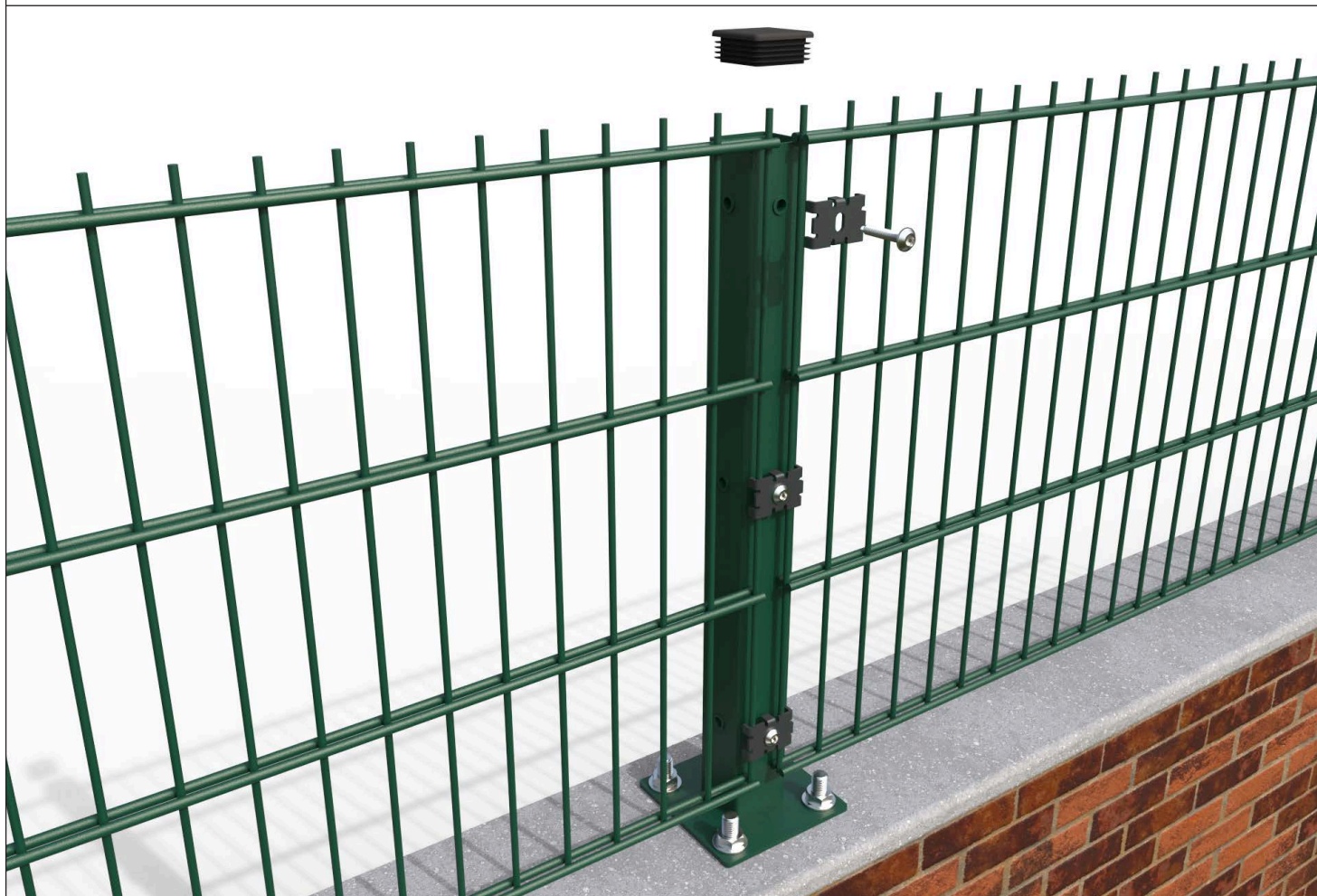
**Identify Clip Positions:** The post has pre-drilled holes for attaching the mesh fence panels. You will use three fixing clips and three M8 x 40mm security bolts per panel connection side.

**Attach Clips (Loosely):** For easier panel installation later, you can loosely attach the fixing clips and M8 security bolts to the post at the appropriate heights, ready to receive the mesh panel. Do not tighten them fully at this stage.




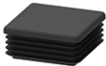
### Finishing Touches

**Install Ribbed Insert:** Once the post is securely mounted and ready for panel attachment, place the 60x60 black ribbed insert into the top of the post. This provides a neat finish and protects the post from water ingress.

**Final Check:** Ensure the post is plumb and securely fixed to the surface.



## 4.0 Bill of Materials (Per 0.6m Kit)

Illustration	Component Name	Component Code	Quantity
	0.6m High Bolt Down 60 x 60mm Intermediate Post	MESH-TOP-0650	1
	868 Mesh Fencing Clips (Black)	ACCS-MSH-0010	3
	M8 X 40mm Mesh Security Bolt	ACCS-MSH-0050	3
	60 X 60mm Black Ribbed Inserts	ACCS-RIB-0003	1

## 5.0 Installation Sign-Off Checklist

Action	Description	Pass/Fail
Wall Condition	Wall checked for integrity; crumbling mortar/hollow bricks addressed. Load-bearing capacity assessed.	
Services Check	Hidden services (electrical, plumbing, gas) within the wall checked and avoided.	
Fixing Selection	Correct M16 fixing type selected and used based on wall material and environment.	
Post Verticality	The wall-mounted post is plumb and securely anchored.	
Panel Security	Mesh panels are securely attached to the posts with no large gaps.	
Fixing Security	All M16 wall fixings and M8 mesh security bolts (if panels attached) are fully tightened and secure.	
Site Clean Up	Installation area is clear of surplus materials, tools, and debris.	

Sign Off Declaration:  
I hereby confirm the this product has been assembled and installed in accordance with the above requirements and any remedial works have been carried out before the final sign off:

Site Supervisor  
  
Signature

Sign Off Date

Relationship to the Client

## 6.0 Maintenance Schedule

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Regular inspection and maintenance are critical to ensure the system remains safe and effective, in line with the requirements of **BS 1722-14:2017** for permanent mesh fencing. The person responsible for site safety should ensure these checks are carried out.

Check Area	Recommended Action	Frequency	Reference
General System Integrity	Visually inspect the entire fence line for signs of damage, post movement, or deterioration of the wall near the fixings. Ensure it has not been moved from its original position and no unauthorised modifications have occurred,	Monthly & After Adverse Weather	BS 1722-14 (Performance), BS EN 1996-1-1 (Wall Integrity)
Post & Panel Security	Check all posts for bending, displacement, or damage. Verify that all mesh panels (if attached) remain securely fixed to the posts using the clips and bolts.	Monthly	BS 1722-14 Manufacturer's Spec
Fixings & Bolts	Physically check a sample of M16 wall fixings and M8 mesh security bolts (if panels are attached) on each visit to ensure they remain tight. Visually inspect all other accessible fittings for signs of loosening.	Weekly	Manufacturer's Spec
Steel Condition	Inspect steel components for signs of significant corrosion or damage to the protective coating. Clean off any corrosive matter or debris. Ensure that corrosion-resistant hardware is still performing as expected.	Monthly	Manufacturer's Spec
Ribbed Insert	Check that the post-top insert is still in place and undamaged to prevent water ingress.	Monthly	Manufacturer's Spec

### Take the hassle out of your maintenance schedule

First Fence Limited offers an annual inspection programme for your product. Contact our sales team today to include this quote onto your sales order.  
[highsecuritymaintenance@firstfence.co.uk](mailto:highsecuritymaintenance@firstfence.co.uk)