



0.6m High 90° Crank Wall-Mounted 868 Mesh Fencing Kit MESH-TOP-KIT-0625

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-0625 - 0.6m HIGH 90 DEGREE CRANK WALL-MOUNTED 868 MESH FENCING KIT. This system is designed to provide a secure and durable wall-mounted fencing solution with a 90-degree crank, allowing the fence to turn upwards or downwards along a wall.

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 +44 1283 380054.

Manufacturer and/or Reseller: First Fence Ltd, Off Kiln Way, Swadlincote, South Derbyshire DE11 8EA. www.firstfence.co.uk +44 1283 380054.

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

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

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.

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

For wall-mounted crank posts, position them 2530mm ±15mm apart to accommodate the 2506mm panel width. Mark a vertical line for the first post, ensuring the crank angle faces the desired direction (outwards for security). The total post length is 940mm. Mark up to six M16 fixing points on the wall, ensuring vertical alignment with 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. Ensure the depth is sufficient for your chosen anchors. Remove any dust or debris from the drilled holes.



Insert Fixings

Insert your chosen wall fixings (e.g., sleeve anchors, shield anchors, or chemical anchor resin/rod) into the drilled holes according to the manufacturer's instructions.



Mount Post

Align the wall-mounted crank post (Item 1) with the fixings and secure it firmly to the wall using the M16 fixings. Tighten them securely, but do not over tighten.



Installation continued

Attaching the Mesh Panel


Position Panel: Carefully lift the mesh fence panel and align it between the installed crank post and the intended position for the next post (or the end of the run). The recommended install height is 650mm from the top of the wall to the top of the panel. Note the 140mm offset for the crank. **Attach Fixing Clips:** Take the black fixing clips. These clips secure the mesh panel to the post. Insert the M8 x 40mm mesh security bolts through the fixing clips and the mesh panel, then into the pre-drilled holes on the post. **Secure Panel:** Tighten the M8 security bolts firmly to secure the mesh panel to the post. Ensure the panel is level using a spirit level before fully tightening all bolts. You will use 3 clips per panel, evenly spaced along the height of the panel.

Finishing Touches

Install Ribbed Insert: Once all posts and panels are installed, place the 60x60 black ribbed insert into the top of each post. This provides a neat finish and protects the post from water ingress. **Final Check:** Walk along the entire fence line, checking all fixings for tightness and ensuring the fence is plumb and level.



4.0 Bill of Materials (Per 0.6m Kit)

Illustration	Component Name	Component Code	Quantity
	0.6m High 90° Crank 60 x 60mm Intermediate Post	MESH-TOP-0630	1
	630mm High x 2.5m Wide 868 Mesh Fence Panel	MESH-868-0603	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

Sign Off Date

Relationship to the Client

Signature

6.0 Maintenance Schedule

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