



0.6m High 60° Crank Wall-Mounted 868 Mesh Corner Post Kit MESH-TOP-KIT-0660

Operations, Maintenance & Installation Manual

Proudly Compliant with:



Proud to work with our partners



This manual provides a comprehensive overview for the installation, operation, and maintenance of the MESH-TOP-KIT-0660 - 0.6m HIGH 60 DEGREE CRANK WALL-MOUNTED 868 MESH CORNER POST KIT. This system is designed to provide a secure and robust wall-mounted mesh fencing solution specifically for corner installations, suitable for various applications.

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.

Copyright: The copyright of this guide is owned by First Fence Ltd and is protected at all times. Reproduction of this guide by any means is strictly prohibited without prior written consent from First Fence Ltd.

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)

A site-specific risk assessment must be completed before work commences. The following minimum PPE is required:


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. 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 the exact corner where the wall-mounted crank corner post will be positioned on your wall. The post is designed for a 60-degree crank angle. The total post length is 900mm.

Mark Post Alignment: Using a measuring tape and marker, mark the desired vertical lines on both walls forming the corner for your posts.

Each post requires a maximum of six M16 fixings. Mark the precise drilling points on the wall for each post. Ensure these marks are vertically aligned using a spirit level. The drawing indicates fixing points at various heights, including 350mm from the bottom of the post to the top of the wall section.



Drilling and Attaching the Posts

Drill Holes: Using your drill and the appropriate masonry drill bit for your chosen fixings, carefully drill holes at the marked points on both walls.

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 Posts

Align the wall-mounted crank posts with the fixings and secure them firmly to the walls using the M16 fixings. Tighten them securely, but do not overtighten.



Trimming Mesh Panels for the Corner

Measure and Mark: Mesh panels from the intermediate fencing kit (not included in this kit, but required for installation) will need to be cut on site to suit the desired installation position at the corner. Accurately measure and mark the mesh panel to ensure a proper fit at the corner junction. The cut angle is 26.2 degrees.

Cut to Size: Trim the panel using suitable cutting tools (e.g., an angle grinder). Ensure cuts are clean and straight.

Treat Cut Edges: Smooth any rough or sharp edges using a file or deburring tool. Apply a protective coating (such as cold galvanising spray) to the cut edges to prevent corrosion.

Attaching the Mesh Panels and Corner Clamp Bars

Position Panels: Carefully lift the trimmed mesh fence panels and align them with the installed crank posts, forming the corner. The panel height is 630mm.

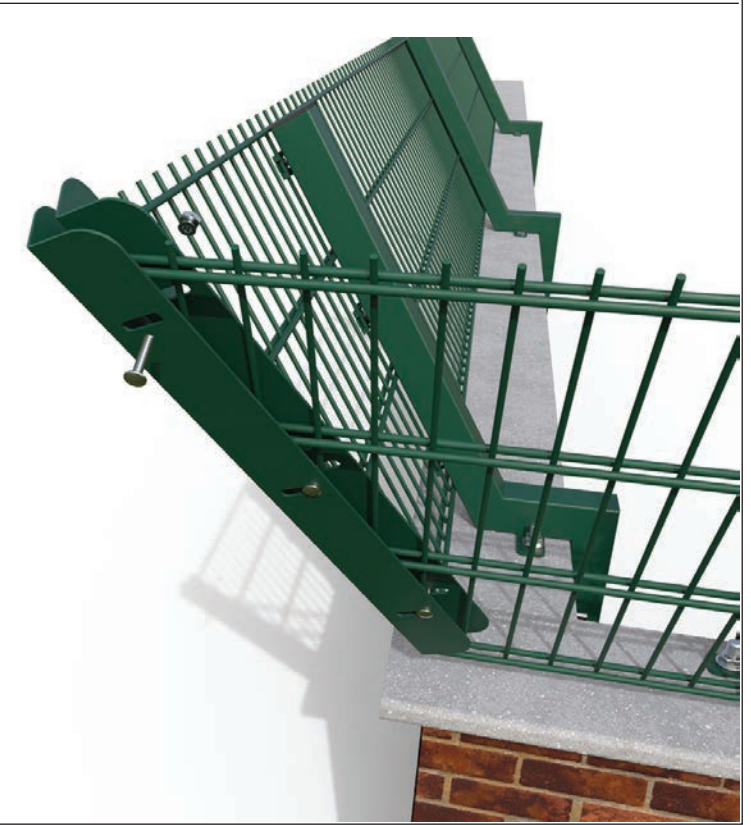
Attach Fixing Clips (to Posts): Take the black fixing clips and M8 x 40mm security bolts. Attach three clips and bolts to each panel connection side of the posts, securing the mesh panels to the posts. Tighten them firmly.

Install Corner Clamp Bars: Position the folded corner clamp bars over the corner joint of the two mesh panels. The clamp bars are 700mm long.



Secure Clamp Bars

Use the M8 x 40mm cup head galvanised bolts and M8 snap off nuts to secure the corner clamp bars, clamping the two mesh panels together at the corner. Tighten the snap-off nuts until the head shears off, providing a secure, tamper-proof fastening.



Finishing Touches

Install Ribbed Inserts: Once all posts and panels are installed, place the 60x60 black ribbed inserts 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
	Folded Corner Clamp Bar 700mm long	MESH-TOP-0050	2
	0.6m High 60° Crank 60 x 60mm Intermediate Post	MESH-TOP-0640	2
	868 Mesh Fencing Clips (Black)	ACCS-MSH-0010	6
	M8 X 40mm Mesh Security Bolt	ACCS-MSH-0050	6
	60 X 60mm Black Ribbed Inserts	ACCS-RIB-0003	2
	M8 x 40mm Cup Head Bolts	ACCS-CLA-0180	6
	M8 Snap Off Nut for Security Bolt	ACCS-PAL-0003	6

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

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