



Apollo® 358 Mesh Security Gate Systems

Operations, Maintenance & Installation Manual

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This manual provides a comprehensive overview for the installation, operation, and maintenance of the First Fence Apollo® Gate System. This system is designed to establish a robust and secure access point for various applications, ensuring compliance with relevant British Standards.

Disclaimer: This guide is for informational purposes only. The installer is responsible for ensuring the installation complies with all relevant British Standards, including but not limited to BS 1722 (Fences and Gates), 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

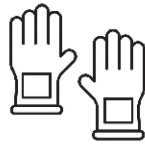
Installers are responsible for completing a site-specific risk assessment and complying with all local risk assessments before starting work. This responsibility includes, but isn't limited to, the following:

Activity	Risk Assessment Requirements and Not Limited to
Breaking ground for post hole excavations	Noise Vibration Manual Handling Buried Services
Post Installation/Concrete Mixing	Hazardous Substances (COSHH) Manual Handling
Installation of Gate Leaf, Post and Fixings	Manual Handling Crush Injuries Use of Hand/Power Tools

Tools & Equipment

Safety Gloves

Required for all material handling.
Required for any COSHH tasks
including post mix. Required for any
installation tasks.



Spanner/Torque Wrench

Required for eyebolts.



Time

Required for post
mix curing.



Spirit Level

For plumb (vertical) and
level installation.



Shovel/Excavation

For excavation of holes to
suit post foundations
(dig in version).

Drill & Masonry Bit
For Bolt-Down version.



Cable Avoidance Tool

To identify hidden services
embedded in the ground.



2.0 Pre-Installation

Site Survey & Ground Condition

Thoroughly inspect the proposed gate location. For Dig-In posts, assess the ground's condition for stability. For Bolt-Down posts, ensure the concrete base is structurally sound and level. Ensure the entire path where the gate will swing is clear of obstructions.

Underground Services

Before any digging or excavation for post holes, it is critical to establish and mark the locations of all underground services. Use a Cable Avoidance Tool (CAT) and consult utility plans to locate any buried electrical cables, water pipes, gas lines, or drainage systems to prevent dangerous and costly damage.

Materials Check

Unpack the Apollo® Gate kit and verify that all components have been delivered and are undamaged. Check all parts against the Bill of Materials (see website listing), including posts, gate leaf, M18 eyebolts, and the Unislide locking kit.

3.0 Installation

This guide provides a step-by-step process for installing a durable and secure Apollo® Gate system. For a successful installation, do not skip steps and pay close attention to curing times.

Step 1: Gate Post Foundations

Correctly setting the hinge and catch posts is critical for safe and reliable gate operation.

Dig-In Posts

Excavate holes to the correct centres, check technical drawing for details.

For the 1.8m - 3.0m high gates, the depth is determined by the size of the post, not the height:

80x80mm and 100x100mm posts, the dig-in depth is 700mm

120x120mm posts, the dig-in depth is 1000mm

Foundations should be set using a minimum of C20/25 grade concrete.

Ensure posts are embedded to the correct depth and are perfectly vertical (plumb) using a spirit level.

Allow concrete to cure fully before hanging the gate leaf.

Bolt-Down Posts

Position the posts according to the technical drawing, ensure the surface is level and solid.

Fix the base plates to the concrete base using four M16 x 125mm ground anchor bolts per post, installed as per the manufacturer's instructions.

Hanging the Gate Leaf

Securely screw the two M18 adjustable eyebolts into the holes on the hinge post.

With assistance, carefully lift the gate leaf and hang it on the eyebolts.

Adjust the eyebolts to ensure the gate is level and achieves the specified 50mm ground clearance. Check that the gate swings freely without binding.

Lock and Latch Installation

Install the Unislide Slider padlockable gate kit onto the catch post and gate frame. The universal design allows for flexible right-hand or left-hand hanging configurations. Align the slider and catch plate, ensuring smooth operation, and fix securely.

Safety Restrainer

This is a critical safety step. All Apollo® gate hinge posts and leaves are supplied with a Ø13mm hole specifically for fitting a gate restrainer (sold separately).

A gate restrainer (e.g., a safety tether or chain) **MUST** be fitted upon installation to prevent the gate leaf from falling in the unlikely event of hinge failure. Gate restrainers/tethers are sold separately.

Final Checks

Operate the gate through its full range of motion to ensure it does not drag or collide with any obstructions.

Check that the Unislide lock engages correctly and securely.

Ensure all fixings are tight and secure.

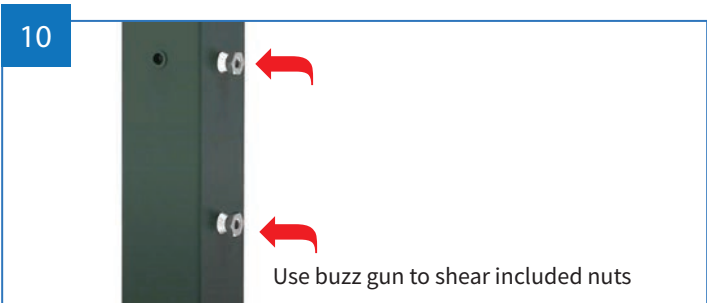
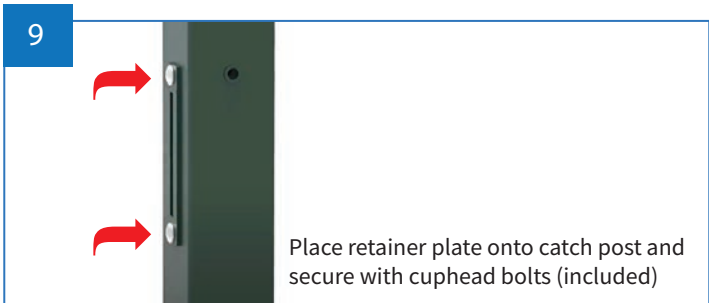
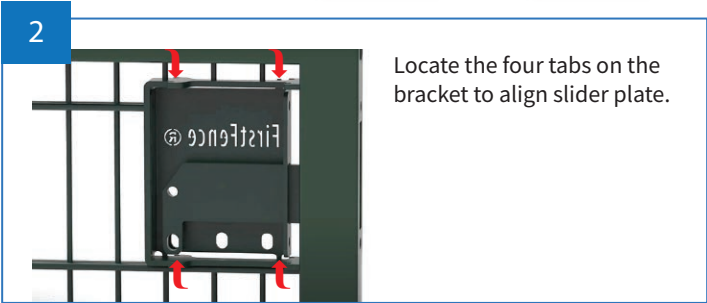
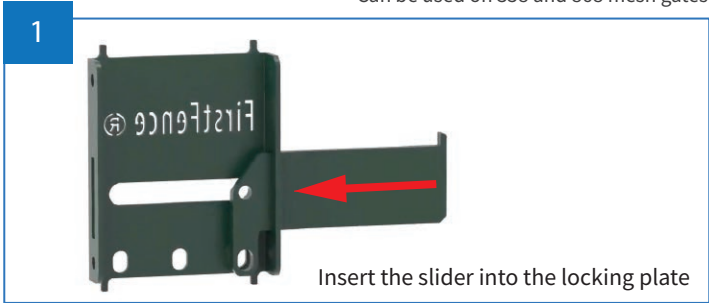
Confirm the gate restrainer is fitted correctly.

The Unislide Kit works on Apollo, EnviroRail and SpectaRail modular gates. See below for installation on single and double leaf gates, or scan the QR codes for First Fence's Video Hub.



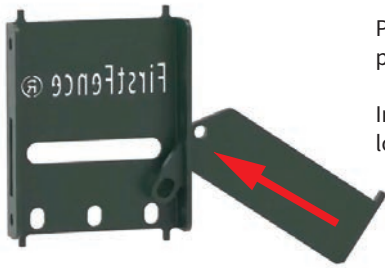
Single

Can be used on 358 and 868 mesh gates



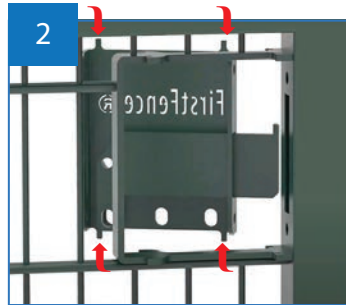
Double

1



Primary Leaf locking plate slider arm.
Insert the slider into the locking plate

2



Locate the four tabs on the bracket to align slider plate.

3



Align locking plate with the four tabs on the bracket

4



Place the guide plate over the slider

5



Secure with cuphead bolts (included)

6



Use buzz gun to shear the included nuts

7



Assemble slider handle. Ensure handle is secure with the included grub screws

8



Place retainer plate onto secondary leaf and secure with cuphead bolts (included)

9



Locate the four tabs on the bracket to align the blanking plate

10



Use buzz gun to shear the included nuts

5.0 Installation Sign-Off Checklist

Action	Description	Pass/Fail
Post Foundations	Visually inspect concrete foundations for proper size and stability. Ensure they are free from cracks.	
Post Alignment	Check that hinge and catch posts are plumb (upright) and securely anchored in a straight line.	
Ground Clearance	Measure and confirm there is a minimum of 50mm ground clearance.	
Gate Operation	Test the gate leaf to ensure it swings or slides smoothly without any obstructions.	
Slider and Locking Mechanism	Verify that the Unislide kit is installed and fully functional.	
Gate Restrainer	Confirm that a gate restrainer is fitted to the gate leaf and hinge post using the Ø 13mm hole.	

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. The person responsible for site safety should ensure these checks are carried out.

Check Area	Recommended Action	Frequency	Reference
Gate & Post Integrity	Visually inspect the entire gate system for signs of damage, post movement, or ground erosion near foundations. Ensure the gate and posts remain plumb and aligned.	Monthly & After Adverse Weather	BS 1722-1
Structural Condition	Check all steel components for bending, displacement, or damage. Inspect for significant corrosion or damage to the galvanised or powder-coated finish.	Monthly	BS 1722-1
Fittings & Fixings	Physically check a sample of all bolts and fixings on each visit to ensure they remain tight. Visually inspect all accessible fittings for signs of loosening or tampering.	Weekly	Manufacturer's Spec
Locking Mechanism	Inspect the slider bar and locking mechanism for smooth operation. Check for any damage, wear, or signs of tampering. Ensure the gate restrainer is securely in place.	Monthly	Manufacturer's Spec

Take the hassle out of your maintenance schedule

First Fence Limited offers an annual inspection programme for your system. Contact our sales team today to include this quote onto your sales order.
highsecuritymaintenance@firstfence.co.uk