MUGAPlay®

Mini Kit	MESH-KIT-4600
Secure 35 with Gate	MESH-KIT-4650
Secure 35 without Gate	MESH-KIT-4700
Secure 38 with Gate	MESH-KIT-4750
Secure 38 without Gate	MESH-KIT-4800
MUGA Goal Kit	MESH-KIT-4850

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 First Fence MUGAPlay® product line. These kits are designed to transform a space into a dynamic arena for sport.

This range has been developed in compliance with the Sports and Play Construction Association (SAPCA) Code of Practice for the 'Construction and Maintenance of Fencing Systems for Sports Facilities.'

The MUGAPlay® range has been developed to satisfy requirement 1.2.2 in providing 'TWIN BAR MESH PANEL SYSTEM', IS SUITABLE WHERE CONTINUOUS BALL STRIKING IS LIKELY.'

Disclaimer: This guide is for informational purposes only. The installer is responsible for ensuring the installation complies with all relevant British Standards, 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.

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.

Please see below suitability table as found in section 2 of the SAPCA Code of Practice to determine if MUGAPlay® (as categorised as a MUGA system) is suitable for the ball sport being played.

Fencing Type	Football	Rugby	Hockey	Tennis	Netball	MUGA	Athletics
Twin Bar Fencing	1	1	3	2	2	1	2
Pedestrian Barrier	3	3	3	3	3	3	1

Legend

1 = Preferred	2 = Suitable	3 = Unsuitable

Design Specification

Key design criteria met (full list can be obtained on request):

SAPCA Ref	Specific Design Specification	MUGAPlay® Criteria
1.2.2	Twin Bar Mesh Panel features a twin wire fencing system with two horizontal bars welded either side of a vertical bar.	Manufacture from 868 Mesh Wire
2.2.2	Panels can be supplied with additional horizontal wires to the lower 1200mm creating extra rebound properties, aperture for these panels is 50 x 66.6mm, also manufactured from twin wires.	Lower part of the panel meets design specification.
	To help reduce the noise on impact it is recommended that a gasket is used at every fixing point.	We have used a Nylon Spacer to conform to this standard.
2.2.7	Gates should be specified so they open away from the playing area 180° back from the fencing line.	Full access width maintained.

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	Hazardous Substances (COSHH) Manual Handling
Installation of Fixings	Noise Vibration Working at Height

Tools & Equipment

Safety Gloves
Required for all material handling, any COSHH tasks including Post Mix, and any installation tasks.

Drill/Buzz Gun
For fixings installation

Shovel/Excavation
Required for excavation of holes to suit post foundations

Spirit Level
For plumb (vertical) and level installation

Time
Required for Post Mix curing or patched fixing curing

Cable Avoidance Tool
To identify hidden services embedded in the wall

2.0 Pre-Installation

Underground Services

Before any drilling, establish and mark the locations of all services within the working area (e.g., electrical conduits, water pipes). Use a Cable Avoidance Tool (CAT) and refer to building plans where available to prevent damage to services.

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 excessive corrosion or damage.

Site Preparation For MUGAPlay®

Note: There must be a minimum of 1.83 metres, ideally 2 metres, between the touchline, goal line and the pitch perimeter barrier, as indicated in the FA 'National Ground Grading - Category H' guideline.

Note: Fence Run Clearing

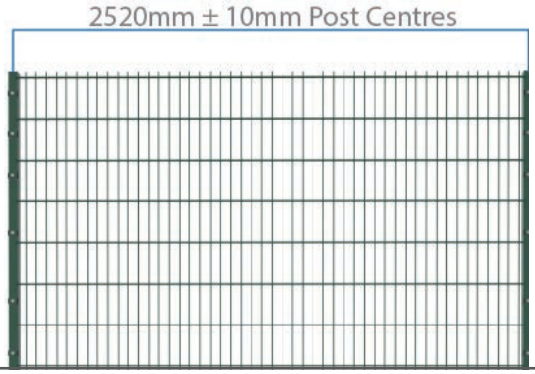
1

MUGAPlay® MUGA is a large-scale system. Before beginning installation, coordinate with a groundskeeper or site manager if needed. Ensure the ground is cleared and prepared for installation.

Note: Clearance Gap

2

MUGAPlay® posts are typically spaced 2520mm centre-to-centre, though this may vary due to site conditions or installation tolerances, always confirm on-site. With zero ground clearance, accurate levelling and positioning are crucial from the offset.

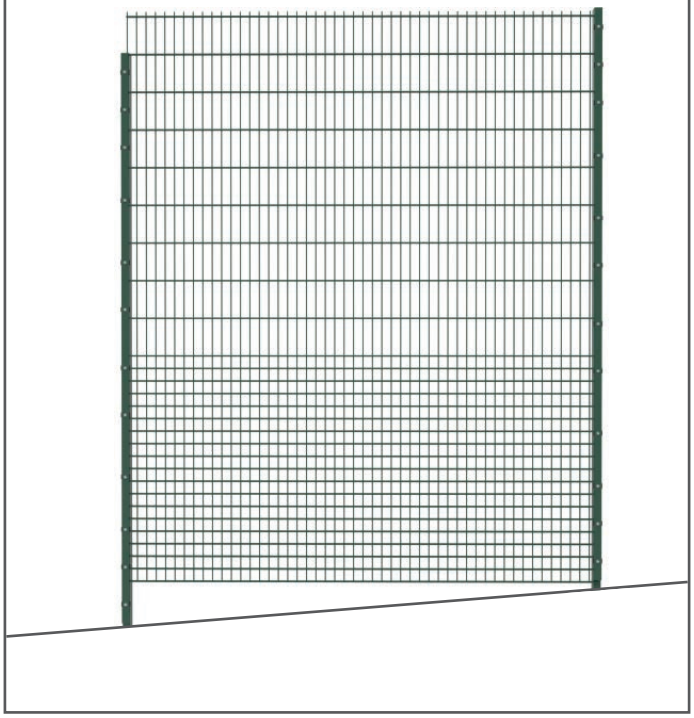


Note: Not adhering to the level ground tolerance may result in your system not fitting correctly, and may result in misalignment!

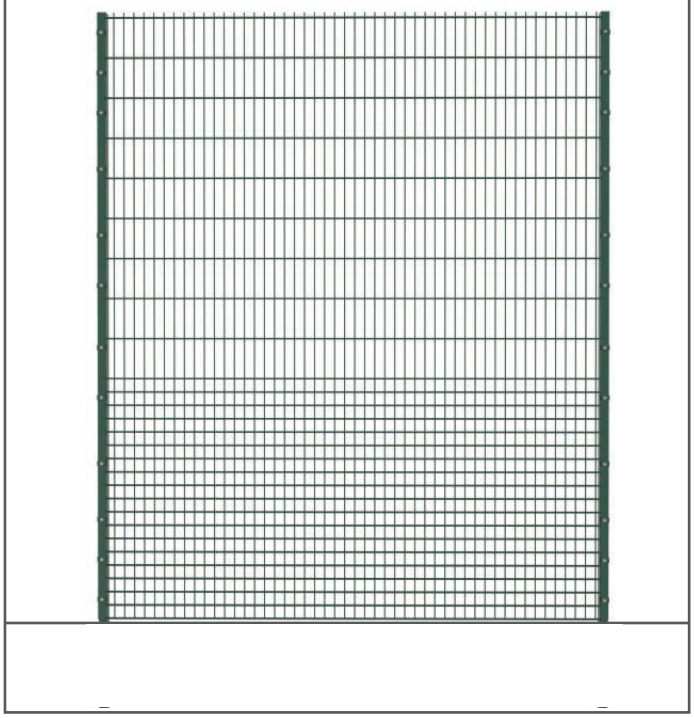
Note: Ground Level

MUGAPlay® has been designed for flat ground installation for sports play areas. Any gradient requirements will require individual bays to be stepped adjacent to the previous bay to accommodate the demands of the pitch. Please note that stepping could potentially result in gaps below the fencing that allows the ball to escape the area of play.

4a Bad Practice ✗



4b Good Practice ✓



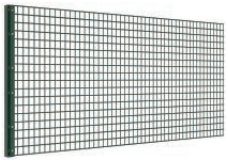
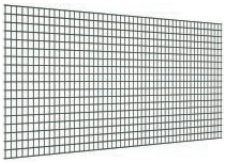
MUGAPlay® MUGA System

The MUGAPlay® Rebound MUGA range offers three distinct system types, each designed to suit different space requirements and usage levels. All systems are engineered for durability, safety, and consistent performance across a variety of sports.

MUGAPlay® Rebound MUGA Mini Multi-Use-Games-Area Kit

Size: (L) 24000mm x (W) 12000mm

A compact solution ideal for smaller spaces, schools, or community areas. The Mini MUGA delivers all the benefits of a full system in a scaled-down format perfect for younger users or limited site footprints. Please note this system does not come with gates.

Illustration	Description	Product Code	Quantity
	Rebound MUGA Goal Multi-Use-Games-Area Mesh Fencing Kit	MESH-KIT-4850	2
	1.2m High 868 Rebound Mesh Fencing System With Clamp Bar Kit	MESH-KIT-3910	20
	1.2m High Rebound Corner Post With Clamp Bar Kit	MESH-KIT-9400	4
	1.2m High X 2.5m Wide Rebound 868 Mesh Fence Panel Only	MESH-KIT-1203	4

MUGAPlay® - Rebound MUGA Secure 35 Multi-Use-Games-Area with Gate Kit

Size: (L) 35000mm x (W) 17000mm

A robust MUGA system designed for larger spaces, with added security and a built-in gate for controlled access. Perfect for schools, sports clubs, or public parks that require a secure and accessible multi-sport facility. Please note that this is a gated system.

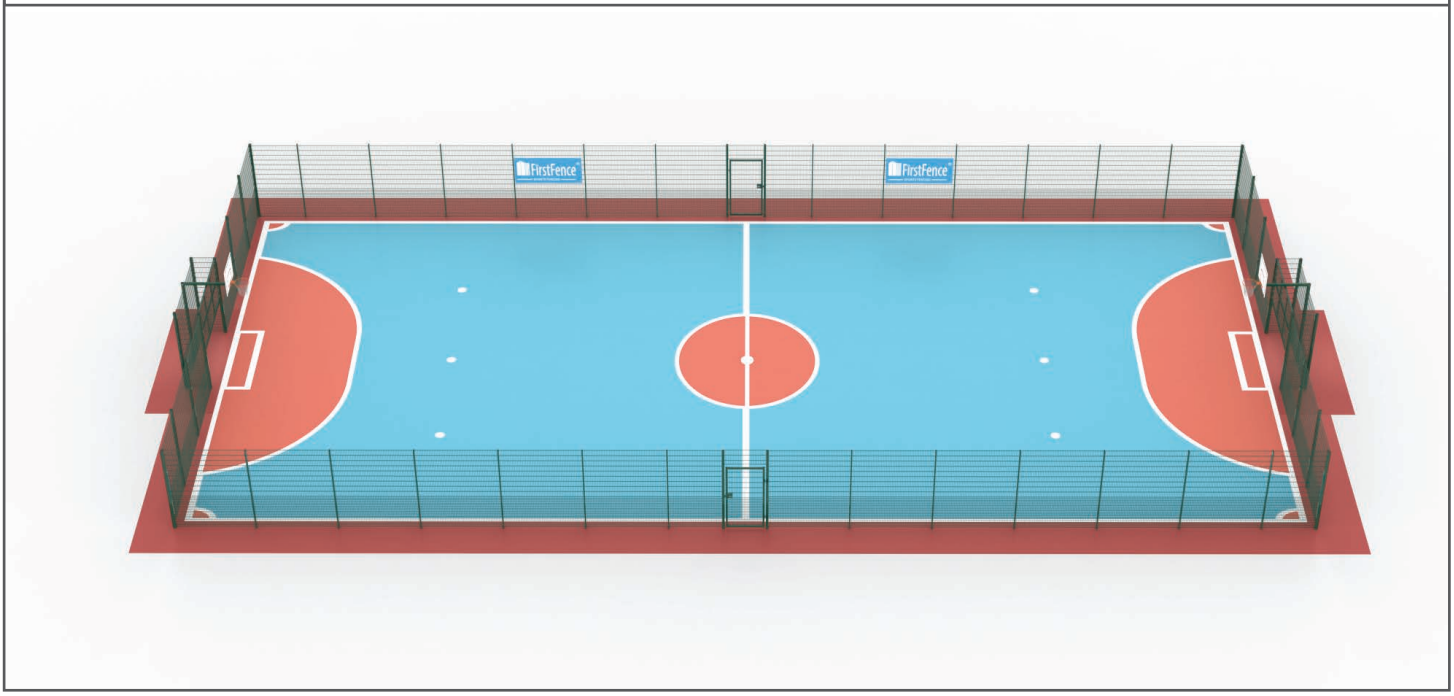


Illustration	Description	Product Code	Quantity
	Rebound MUGA Goal Multi-Use-Games-Area Mesh Fencing Kit	MESH-KIT-4850	2
	3.0m X 1.2m Wide Rebound 868 Single Leaf Dig In Kit	MESH-KIT-4000	2
	3.0m High 868 Rebound Mesh Fencing System With Clamp Bar Kit	MESH-KIT-3915	28
	3.0m High Rebound Corner Post With Clamp Bar Kit	MESH-KIT-9415	4
	3030mm High X 2.5m Wide Rebound 868 Mesh Fence Panel Only	MESH-REB-3003	4

MUGAPlay® - Rebound MUGA Secure 35 Multi-Use-Games-Area with Standalone Bay Kit

Size: (L) 35000mm x (W) 17000mm

A high-performance, secure MUGA system that includes a standalone bay kit for flexibility in layout. This option is ideal for spaces requiring a modular design with enhanced security and no fixed gate. Please note this system does not come with gates, instead a standalone bay opening.

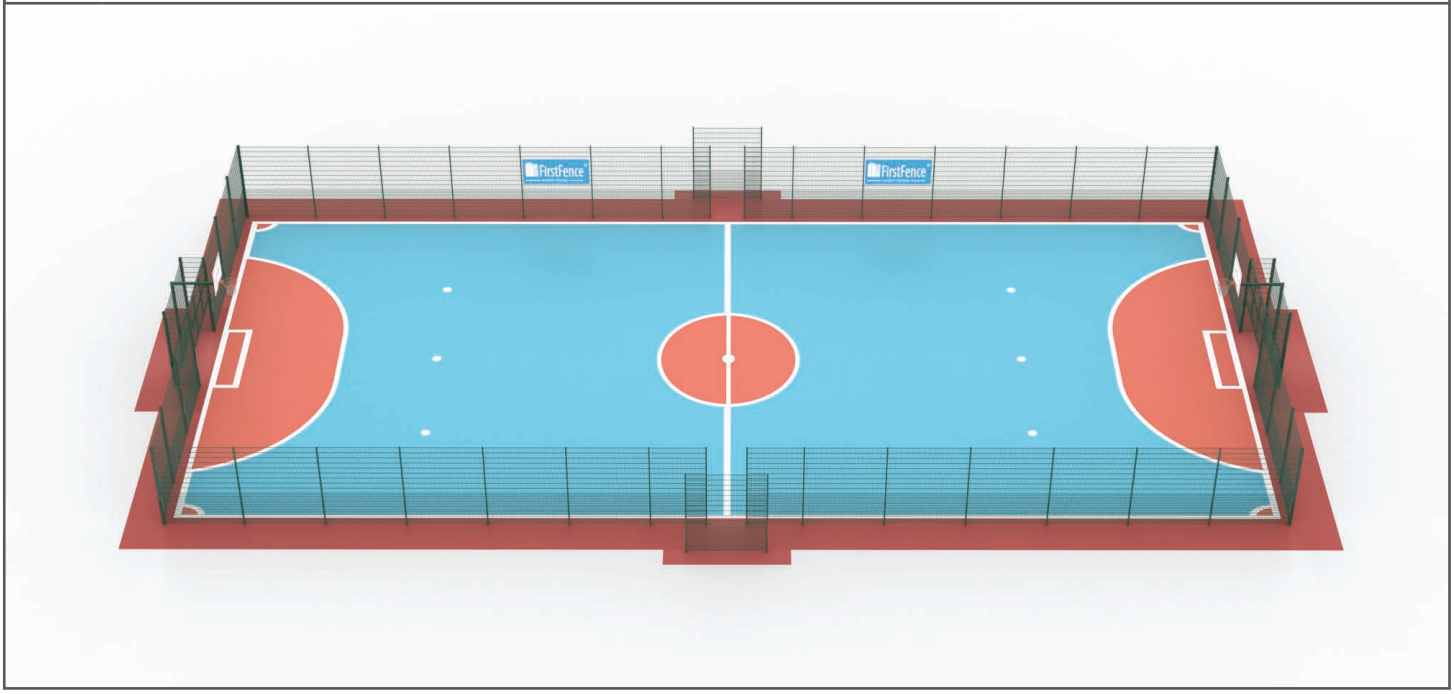


Illustration	Description	Product Code	Quantity
	Rebound MUGA Goal Multi-Use-Games-Area Mesh Fencing Kit	MESH-KIT-4850	2
	3.0m High 868 Rebound Mesh Fencing System With Clamp Bar Kit	MESH-KIT-4000	34
	3.0m High Rebound Corner Post With Clamp Bar Kit	MESH-KIT-9415	4
	3.0m High 868 Rebound Mesh Fencing End Post With Clamp Bar Kit	MESH-KIT-4220	2
	3030mm High X 2.5m Wide Rebound 868 Mesh Fence Panel Only	MESH-REB-3003	4

MUGAPlay® - Rebound MUGA Secure 38 Multi-Use-Games-Area with Gate Kit

Size: (L) 38000mm x (W) 18000mm

The largest option in the Rebound MUGA series, providing expansive play space and security with a built-in gate. Ideal for high-traffic environments or professional sports training facilities. Please note that this is a gated system.

Illustration	Description	Product Code	Quantity
	Rebound MUGA Goal Multi-Use-Games-Area Mesh Fencing Kit	MESH-KIT-4850	2
	3.0m X 1.2m Wide Rebound 868 Single Leaf Dig In Kit	MESH-KIT-4000	2
	3.0m High 868 Rebound Mesh Fencing System With Clamp Bar Kit	MESH-KIT-3915	32
	3.0m High Rebound Corner Post With Clamp Bar Kit	MESH-KIT-9415	4
	3030mm High X 2.5m Wide Rebound 868 Mesh Fence Panel Only	MESH-REB-3003	6

MUGAPlay® - Rebound MUGA Secure 38 Multi-Use-Games-Area with Standalone Bay Kit

Size: (L) 38000mm x (W) 18000mm

A large-scale, modular MUGA system that includes a standalone bay for flexibility and security. Designed for environments with high usage and demand, such as sports clubs or community centres. Please note this system does not come with gates, instead a standalone bay opening.

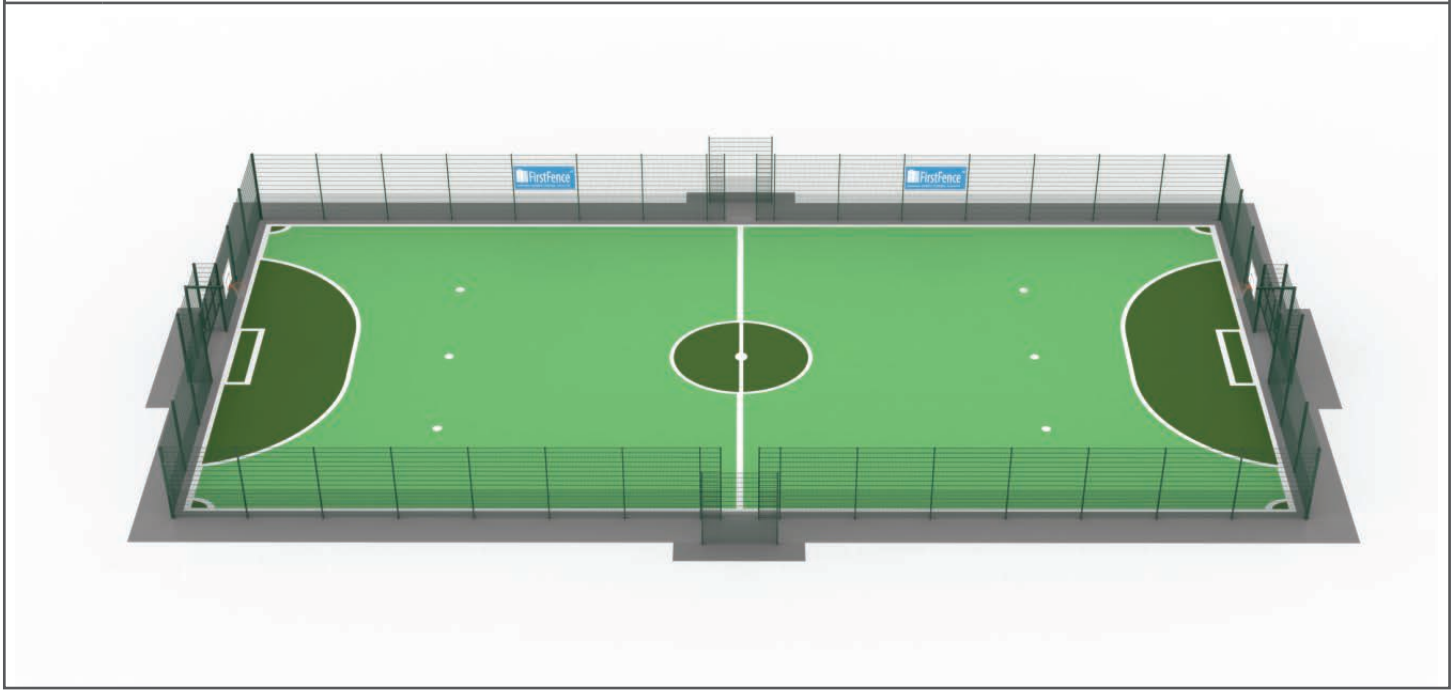


Illustration	Description	Product Code	Quantity
	Rebound MUGA Goal Multi-Use-Games-Area Mesh Fencing Kit	MESH-KIT-4850	2
	3.0m High 868 Rebound Mesh Fencing System With Clamp Bar Kit	MESH-KIT-4000	38
	3.0m High Rebound Corner Post With Clamp Bar Kit	MESH-KIT-9415	4
	3.0m High 868 Rebound Mesh Fencing End Post With Clamp Bar Kit	MESH-KIT-4220	2
	3030mm High X 2.5m Wide Rebound 868 Mesh Fence Panel Only	MESH-REB-3003	2

MUGAPlay® - Rebound MUGA Goal Multi-Use-Games-Area Mesh Fencing Kit

A durable, purpose-built goal designed to integrate with all MUGAPlay® MUGA systems. This mesh fencing kit forms a high-impact goal area using 868 rebound mesh panels and a clamp bar system, ensuring both strength and safety. Ideal for football, basketball, and multi-sport use, it maintains playability while enhancing containment and durability. Suitable for both standalone use and as part of the Mini, Secure 35, or Secure 38 system configurations.

Illustration	Description	Product Code	Quantity
	MUGAPlay® - 3.0 MTR Rebound MUGA Mesh Fencing Goal	MESH-PLAY-5200	1
	3.0m High 868 Rebound Mesh Fencing System With Clamp Bar Kit	MESH-KIT-4000	2

What is a 3.0m Rebound Intermediate Fencing Kit?

A 3.0 metre rebound intermediate fencing kit is part of a sports fencing system, commonly used around multi-use games areas (MUGAs) or ball courts. It is designed to provide strong, durable fencing with additional impact resistance at the lower level to withstand repeated ball strikes or player contact. An intermediate fencing post is used between end or corner posts in a fence line to support the fencing panels or wires, helping maintain alignment and structural stability along a fencing run.

Key Features

3.0m Total Height: Provides effective ball containment for a wide range of sports and recreational activities.

Rebound Mesh Zone (Typically 1.2m High): Features a high-density mesh at the lower section of the fence designed to absorb repeated impacts from balls or players without deforming, ideal for high-traffic sports areas.

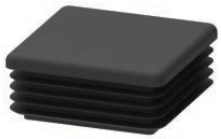
Anti-Climb Welded Mesh Panels: The panels are manufactured with small apertures (often 50x50 mm or similar) to prevent climbing and enhance safety.

Powder-Coated Galvanised Steel: Corrosion-resistant finish ensures long-term performance with minimal maintenance, even in outdoor or high-moisture environments.

Secure Panel Fixing System: Includes robust brackets, clips, or tamper-proof fixings to ensure the mesh remains securely attached to the posts under stress.

Bill of Materials

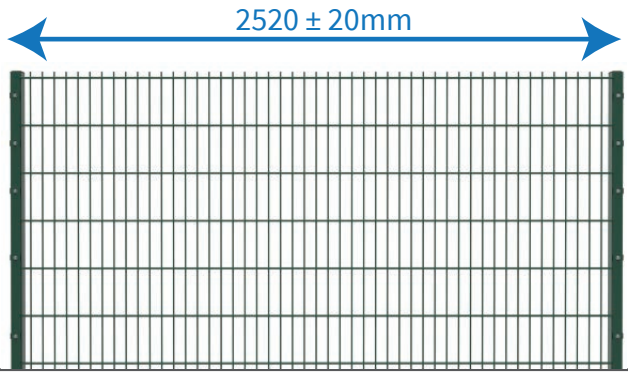
3.0m Rebound Fencing Kit Components

Illustration	Description	Component Code	Quantity
	3.0m Rebound Intermediate 80x40 Dig In Mesh Post	MESH-REB-7020	1
	3030mm High X 2.5m Wide Rebound 868 Mesh Fence Panel Only	MESH-REB-3003	1
	3.0m Folded Clamp Bar 40 X 4mm - 3030mm Long	MESH-REB-5160	1
	80x40 Black Ribbed Inserts	ACCS-RIB-0004	1
	M8 X 40mm Mesh Security Bolt	ACCS-MSH-0050	12
	Rebound Nylon Spacer	MESH-PLAY-9245	12

3.0m Intermediate Fencing Kit Installation

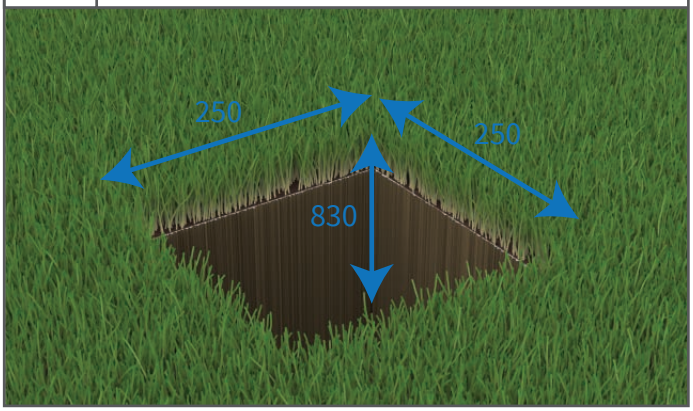
1

Measure and mark the fence bay width or post centre on the ground, aligning it with the existing fence or planned layout. For a 3.0 metre high system this is 2520 ± 20mm post centres typically.



2

Dig two holes for the intermediate posts to the required depth 250x250x830mm in the marked out fencing bay width. Use the technical drawings to advise on dig in length and ground clearance.

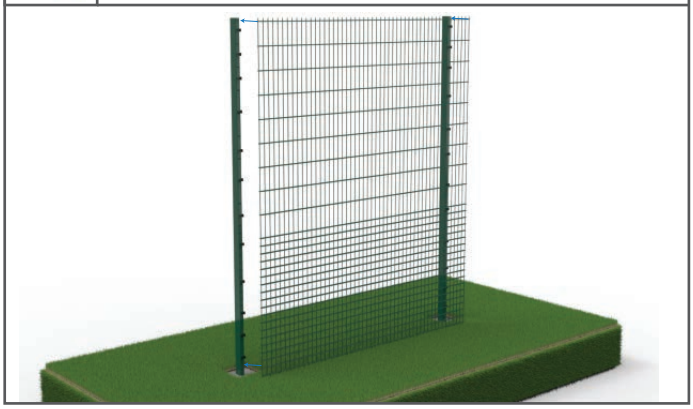


3

Place the 3.0m posts in the holes, ensure they're vertical and aligned (plumb) then secure with concrete or post mix. Cure fully, making sure the post cap is inserted before you dig in the post.

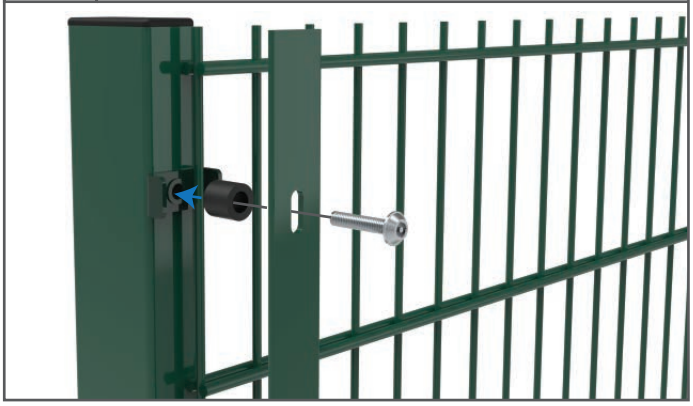
4

Lift the mesh panels into position between the posts, ready for fixing. Making sure the panel is evenly spaced between posts and the mesh is attach to the 'U' clips on the post.



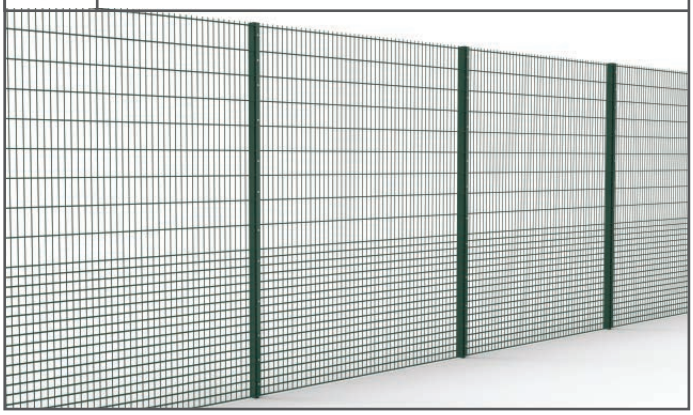
5

Attach the panel securely using the clamp bars and fixings provided with the fencing system. Inserting the M8 x 40 security bolts through the clamp bar and nylon spacer and into the rivnuts.



6

Finally repeat these steps to carry out a run. Ensure all the panels are level and firm, then clean the site and remove any excess material or tools.



Note: Installation of the M8 x 40mm Security Bolts and Rivnuts is essential to prevent removal!

What is a 1.2m Rebound Intermediate Fencing Kit?

The 1.2 metre rebound intermediate fencing kit is a robust, impact-resistant fencing solution designed for use in sports enclosures, multi-use games areas (MUGAs), or any high-activity zone where durability at lower levels is critical. An intermediate fencing post is used between end or corner posts in a fence line to support the fencing panels or wires, helping maintain alignment and structural stability along a fencing run.

Key Features

1.2m Total Height: Suitable for use as a standalone low-level barrier or as the rebound section of a taller fencing system, offering effective containment and player protection at ground level.

Full-Height Rebound Mesh:The entire fence height features a high-density rebound mesh designed to absorb repeated impacts from balls or player contact, making it ideal for MUGAs and sports zones.

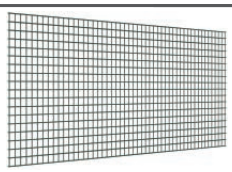
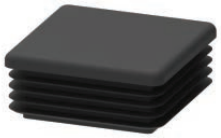
Anti-Climb Welded Mesh Panels: Constructed with small aperture mesh (typically 50x50 mm or similar) to discourage climbing and improve safety in school or public environments.

Powder-Coated Galvanised Steel: Provides a tough, weather-resistant finish that protects against corrosion and ensures long-term durability with minimal maintenance requirements.

Secure Panel Fixing System: Supplied with robust, tamper-proof fixings and brackets to keep mesh panels firmly attached to the posts, even under heavy use and impact.

Bill of Materials

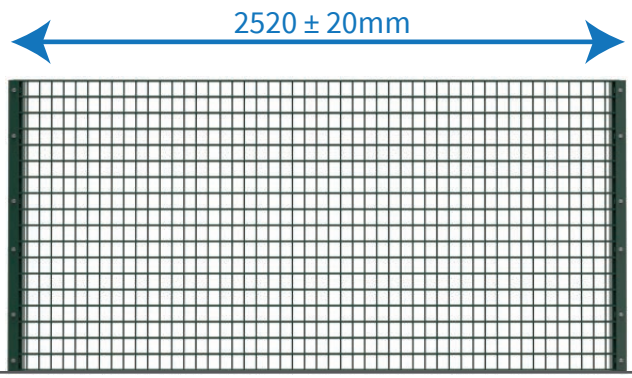
1.2m Rebound Fencing Kit Components

Illustration	Description	Component Code	Quantity
	1.2 MTR Rebound Intermediate 60x60 Dig In Mesh Post	MESH-REB-6970	1
	1.2m High X 2.5m Wide Rebound Mesh Fence Panel Only	MESH-REB-3003	1
	1.2m MUGA Folded Clamp Bar 40 X 4mm - 1200mm Long	MESH-REB-5100	1
	M8 X 40mm Mesh Security Bolt	ACCS-MSH-0050	6
	Rebound Nylon Spacer	MESH-PLAY-9245	6
	60x60 Black Ribbed Inserts	ACCS-RIB-0003	1

1.2m Intermediate Fencing Kit Installation

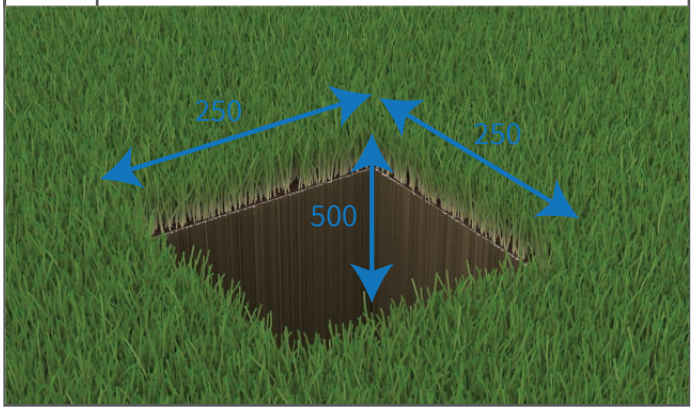
1

Measure and mark the fence bay width or post centred on the ground, aligning it with the existing fence or planned layout. For a 1.2 metre high system this is 2520 ± 20mm post centres typically.



2

Dig two holes for the intermediate posts to the required depth 250x250x500mm in the marked out fencing bay width. Use the technical drawings to advise on dig in length and ground clearance.

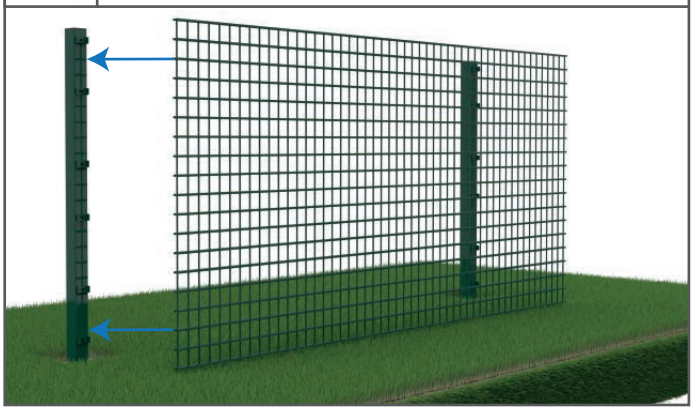


3

Place the posts in the holes, ensure they're vertical and aligned (plumb), then secure with concrete or post mix. Let them cure fully. Making sure the post cap is inserted before you dig in the post.

4

Lift the mesh panels into position between the posts, ready for fixing. Making sure the panel is evenly spaced between posts and the mesh is attach to the 'U' clips on the post.

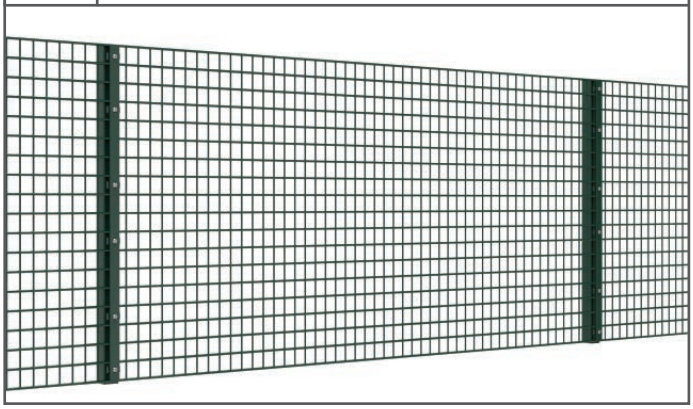


5

Attach the panel securely using the clamp bars and fixings provided with the fencing system. Inserting the M8 x 40 security bolts through the clamp bar and nylon spacer and into the rivnuts.

6

Finally repeat these steps to carry out a run. Ensure all the panels are level and firm, then clean the site and remove any excess material or tools.



Note: Installation of the M8 x 40mm Security Bolts and Rivnuts is essential to prevent removal!

What is a 3.0m Rebound Corner Fencing Kit?

A 3.0 metre rebound corner fencing kit is a key component of sports fencing systems, typically used around multi-use games areas (MUGAs) or ball courts. The corner post serves as a structural turning point in the fence line, connecting two perpendicular runs of fencing panels. It ensures both sections remain securely anchored and properly aligned, maintaining stability and durability at critical junctions in the fencing layout.

Key Features

3.0m Total Height: Supports full-height fencing panels for effective ball containment and player safety across all corners of sports courts and MUGAs.

Rebound Mesh Zone (Typically 1.2m High): Includes a reinforced lower mesh area designed to withstand frequent, high-impact ball strikes and physical contact at vulnerable corner points.

Corner-Forming Design: Engineered to connect two perpendicular fence runs, maintaining structural integrity and consistent panel alignment at 90° transitions.

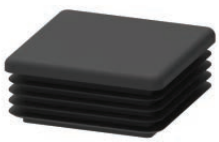
Powder-Coated Galvanised Steel: Durable, weather-resistant finish protects against rust and wear, ideal for long-term outdoor use with minimal maintenance.

Anti-Climb Welded Mesh Panels (When Paired with Panels): Supports mesh with tight apertures (e.g., 50x50 mm) to discourage climbing and promote safety in active play environments.

Heavy-Duty Fixing Capability: Designed to accommodate secure attachment of two fence panels at adjoining angles using tamper-proof brackets or clamps for enhanced stability.

Bill of Materials

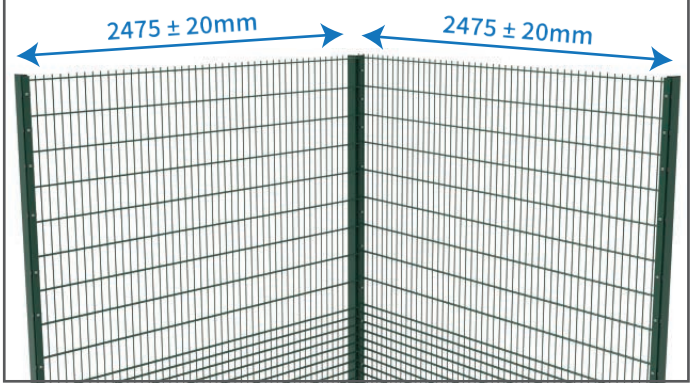
3.0m Rebound Corner Fencing Kit

Illustration	Description	Component Code	Quantity
	3.0m Rebound Corner 80x80 Dig In Mesh Post	MESH-REB-7220	1
	3.0m Folded Clamp Bar 40 X 4mm - 3030mm Long	MESH-REB-5160	2
	M8 X 40mm Mesh Security Bolt	ACCS-MSH-0050	24
	Rebound Nylon Spacer	MESH-PLAY-9245	24
	80x80 Black Ribbed Inserts	ACCS-RIB-0005	1

3.0m Corner Fencing Kit Installation

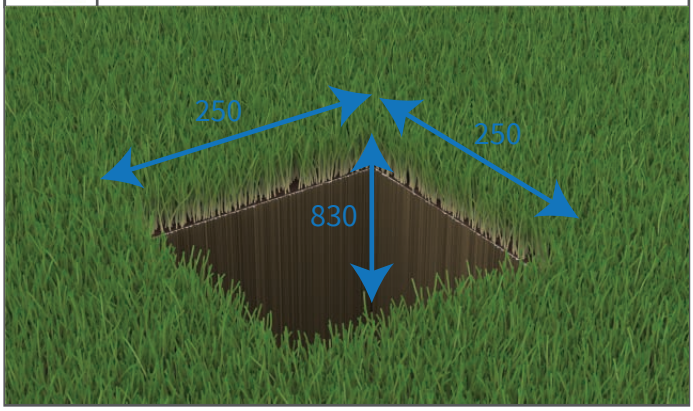
1

Measure and mark the fence bay width or post centred on the ground, aligning it with the existing fence or planned layout. For a 3.0 metre high corner post this is 2475 ± 20mm post centres typically.



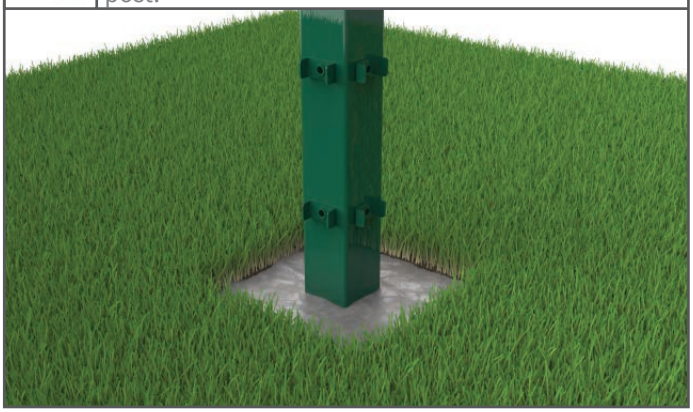
2

Dig a hole for the Corner post to the required depth 250x250x830mm in the marked out fencing bay width. Use the technical drawings to advise on dig in length and ground clearance.



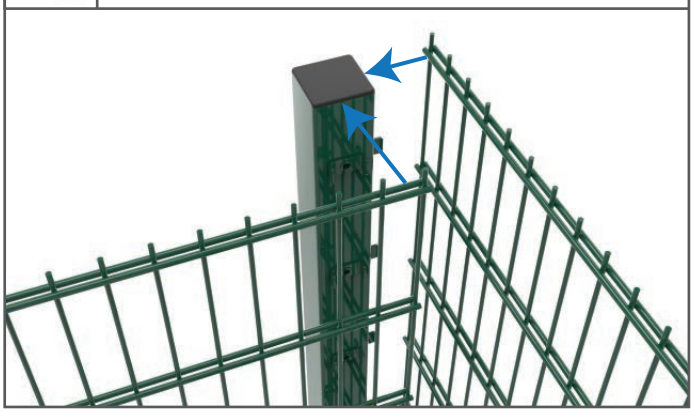
3

Place the post in the holes, ensure they're vertical and aligned to the fencing lines, then secure with concrete or post mix. Let them cure fully. Making sure the post cap is inserted before you dig in the post.



4

Lift the mesh panels into position between the posts, ready for fixing. Making sure the panel is evenly spaced between posts and the mesh is attach to the 'U'clips on the post.

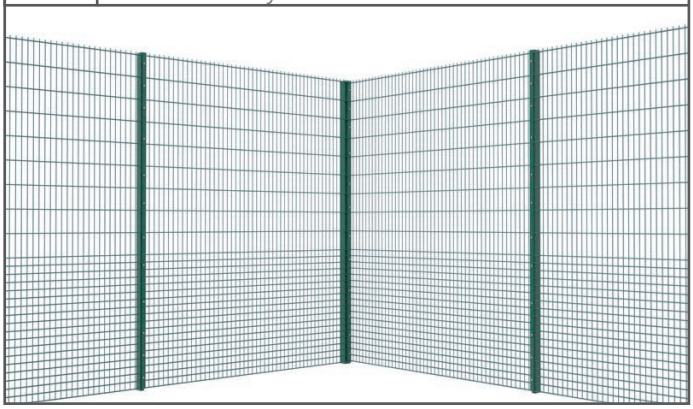


5

Attach the panels securely using the clamp bars and fixings provided with the fencing system. Inserting the M8 x 40 security bolts through the clamp bar and nylon spacer and into the rivnuts, do this for both sides of the corner post.

6

Finally, repeat these steps for all corners. Ensure both panels are securely fixed to the corner post, aligned correctly at 90 degrees, and level. Once all fixings are tightened and the structure is stable, clean the site and remove any excess materials or tools.



Note: Installation of the M8 x 40mm Security Bolts and Rivnuts is essential to prevent removal!

What is a 1.2m Rebound Corner Fencing Kit?

A 1.2 metre rebound corner fencing kit is a key component of sports fencing systems, typically used around multi-use games areas (MUGAs) or ball courts. The corner post serves as a structural turning point in the fence line, connecting two perpendicular runs of fencing panels. It ensures both sections remain securely anchored and properly aligned, maintaining stability and durability at critical junctions in the fencing layout.

Key Features

1.2m Total Height: Supports low-level rebound fencing panels, ideal for perimeter sections, standalone ball containment areas, or the base of multi-height fencing systems.

Full-Height Rebound Mesh Compatibility: Accommodates panels with high-density mesh across the full 1.2m height, providing consistent impact resistance at vulnerable corner zones.

Corner-Forming Post Design: Specifically designed to join two fencing runs at a 90° angle, ensuring structural stability and accurate panel alignment at directional changes.

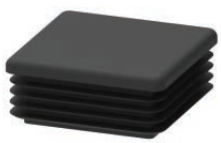
Powder-Coated Galvanised Steel: Finished with a corrosion-resistant coating for long-lasting durability in outdoor environments, with minimal maintenance required.

Anti-Climb Welded Mesh Panels (When Paired with Panels): Suitable for use with anti-climb mesh panels featuring tight apertures (e.g., 50x50 mm), enhancing safety and preventing unauthorised access.

Secure Dual-Panel Fixing Capability: Allows for the attachment of two adjacent rebound panels using robust, tamper-proof fixings or clamp bars, maintaining fence integrity under frequent impact.

Bill of Materials

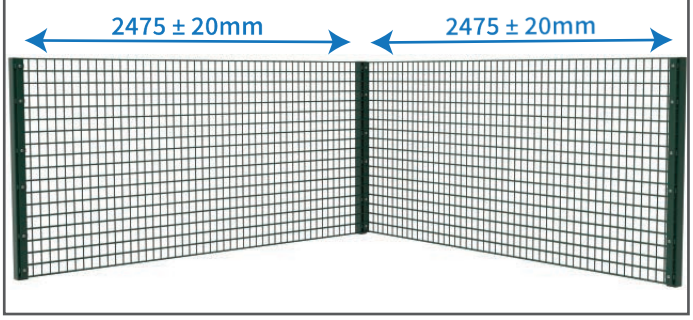
1.2m Rebound Corner Fencing Kit

Illustration	Description	Component Code	Quantity
	1.2m Rebound Corner 60x60 Dig In Mesh Post	MESH-REB-7170	1
	1.2m MUGA Folded Clamp Bar 40 X 4mm - 1200mm Long	MESH-REB-5100	2
	M8 X 40mm Mesh Security Bolt	ACCS-MSH-0050	12
	Rebound Nylon Spacer	MESH-PLAY-9245	12
	60x60 Black Ribbed Inserts	ACCS-RIB-0003	1

1.2m Corner Fencing Kit Installation

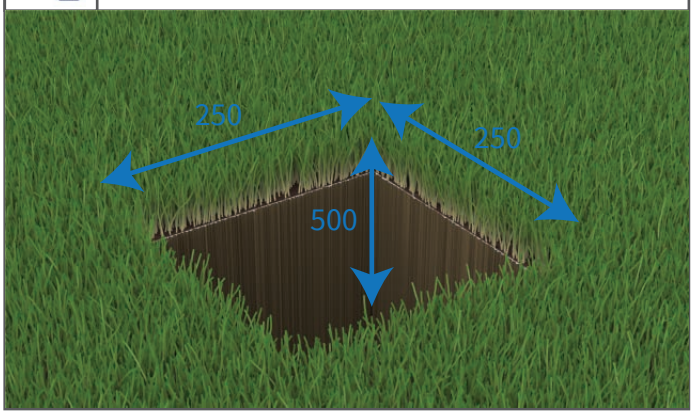
1

Measure and mark the fence bay width or post centred on the ground, aligning it with the existing fence or planned layout. For a 1.2 metre high corner post this is 2475 ± 20mm post centres typically.



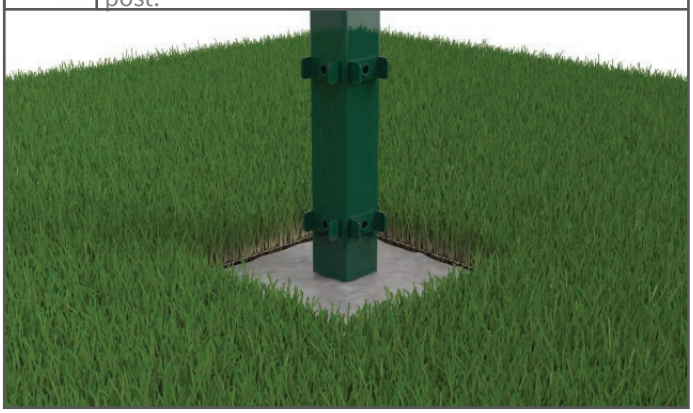
2

Dig the hole for the Corner post to the required depth 250x250x500mm in the marked out fencing bay width. Use the technical drawings to advise on dig in length and ground clearance.



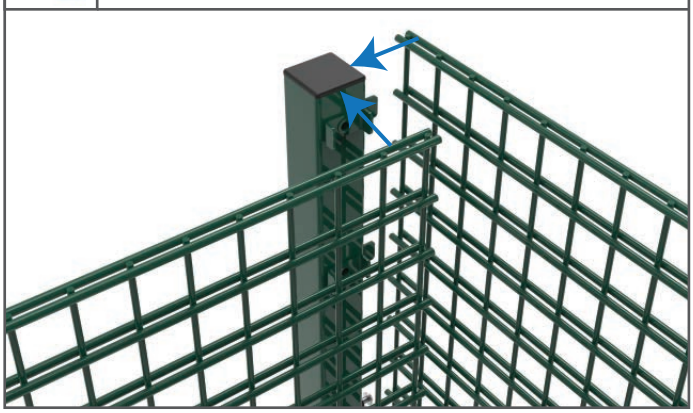
3

Place the post in the holes, ensure they're vertical and aligned to the fencing lines, then secure with concrete or post mix. Let them cure fully. Making sure the post cap is inserted before you dig in the post.



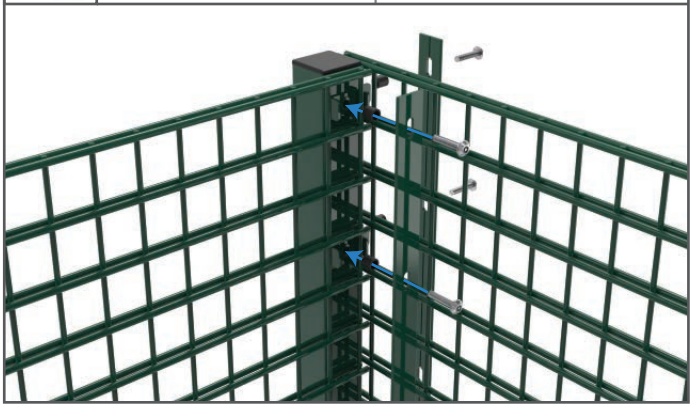
4

Lift the mesh panels into position between the posts, ready for fixing. Making sure the panel is evenly spaced between posts and the mesh is attach to the 'U' clips on the post.



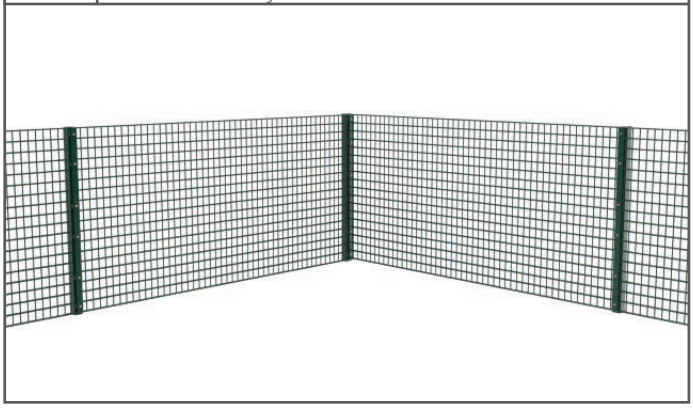
5

Attach the panels securely using the clamp bars and fixings provided with the fencing system. Inserting the M8 x 40 security bolts through the clamp bar and nylon spacer and into the rivnuts do this for both sides of the corner post.



6

Finally, repeat these steps for all corners. Ensure both panels are securely fixed to the corner post, aligned correctly at 90 degrees, and level. Once all fixings are tightened and the structure is stable, clean the site and remove any excess materials or tools.



Note: Installation of the M8 x 40mm Security Bolts and Rivnuts is essential to prevent removal!

What is a 3.0m Rebound End Fencing Kit?

A 3.0 metre rebound end post kit is a vital component of sports fencing systems, commonly installed around multi-use games areas (MUGAs) or sports courts. The end post is used to terminate a straight run of rebound fencing, supporting a single panel while maintaining alignment and structural integrity. It provides a strong, stable anchor point at the end of the fence line, ensuring the fencing system remains secure, impact-resistant, and properly tensioned along its full length.

Key Features

3.0m Total Height: Designed to support full-height rebound fencing panels, providing effective containment and impact resistance for high-activity sports environments such as MUGAs and ball courts.

Lower Rebound Mesh Compatibility (Typically 1.2m High): Accommodates panels with reinforced rebound mesh at the base to withstand frequent ball strikes and physical contact where impact is most common.

End-of-Line Termination Design: Engineered to securely anchor a single panel at the end of a fencing run, maintaining structural stability without continuing the fence line beyond the post.

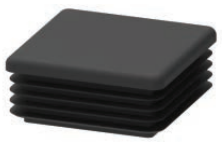
Powder-Coated Galvanised Steel: Offers a robust, weather-resistant finish to prevent corrosion and wear, ensuring reliable performance with minimal maintenance in outdoor conditions.

Anti-Climb Welded Mesh Panels (When Paired with Panels): Suitable for integration with anti-climb mesh featuring tight apertures (e.g., 50x50 mm), promoting safety and preventing unauthorised scaling of the fence.

Single-Panel Fixing Capability: Allows secure connection of one rebound panel using heavy-duty, tamper-proof brackets or clamp bars, providing a firm and safe end point to the fence run.

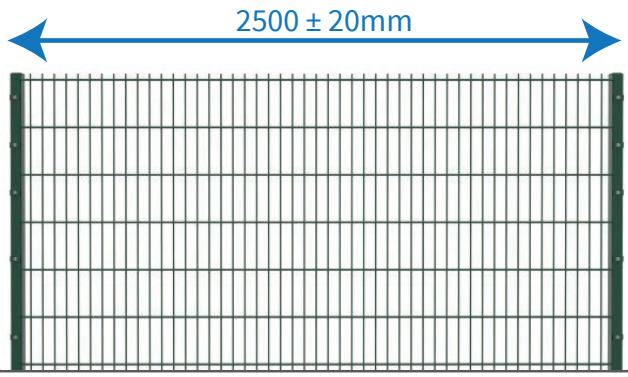
Bill of Materials

3.0m Rebound End Fencing Kit

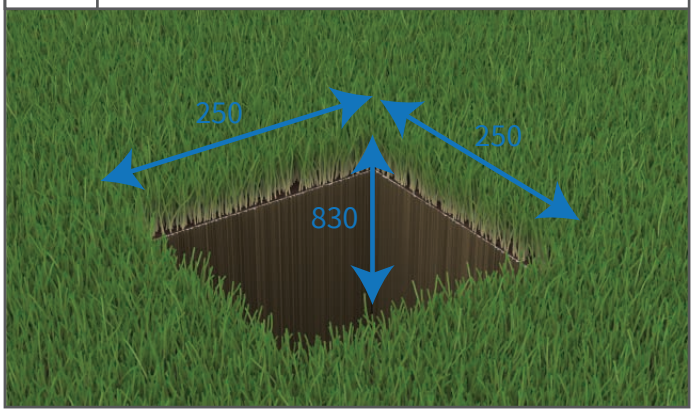
Illustration	Description	Component Code	Quantity
	3.0m Rebound End 80x40 Dig In Mesh Post	MESH-REB-7020	1
	3.0m Folded Clamp Bar 40 X 4mm - 3030mm Long	MESH-REB-5160	1
	80x40 Black Ribbed Inserts	ACCS-RIB-0004	1
	M8 X 40mm Mesh Security Bolt	ACCS-MSH-0050	12
	Rebound Nylon Spacer	MESH-PLAY-9245	12

3.0m End Post Fencing Kit Installation

1 Measure and mark the fence bay width or post centre on the ground, as this is a End post determine the final position of the end post cutting the panel down if required. Mark the post centre on the ground.

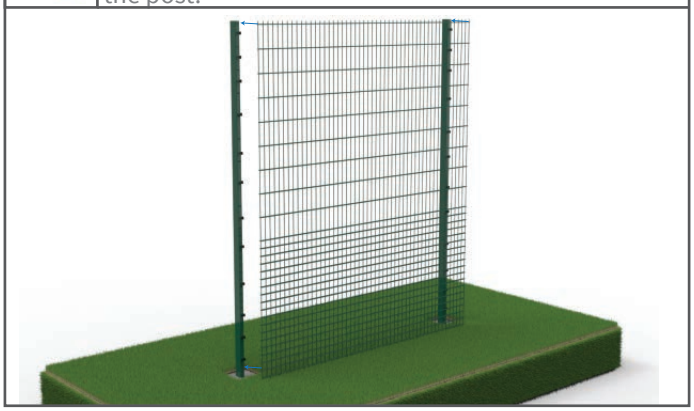


2 Dig two holes for the end posts to the required depth 250x250x830mm in the marked out fencing bay width. Use the technical drawings to advise on dig in length and ground clearance.



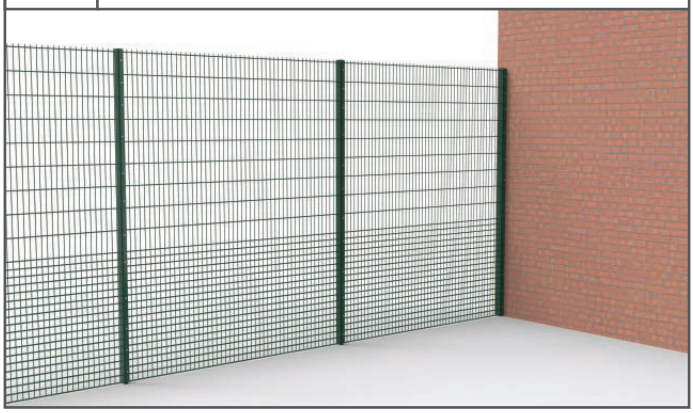
3 Place the 3.0m posts in the holes, ensure they're vertical and aligned, then secure with concrete or post mix. Let them cure fully. Making sure the post cap is inserted before you dig in the post.

4 Lift the intermediate kit mesh panel into position between the intermediate post and to the end post of the end post. Make sure the panel is properly aligned, and the mesh is attach to the U clips on the post.



5 Securely fix the panel from the intermediate run to the end post using the clamp bars and fixings provided. Insert the M8 x 40mm security bolts through the clamp bar and nylon spacers, then tighten into the pre-installed rivnuts on the end

6 Finally, repeat these steps to finish off a run where necessary. Ensure all panels are level and secure, then clean the site and remove any excess materials or tools.



Note: Installation of the M8 x 40mm Security Bolts and Rivnuts is essential to prevent removal!

What is a 1.2m Rebound End Fencing Kit?

A 1.2 metre rebound end post kit is a vital component of sports fencing systems, commonly installed around multi-use games areas (MUGAs) or sports courts. The end post is used to terminate a straight run of rebound fencing, supporting a single panel while maintaining alignment and structural integrity. It provides a strong, stable anchor point at the end of the fence line, ensuring the fencing system remains secure, impact-resistant, and properly tensioned along its full length.

Key Features

1.2m Total Height: Designed to support full-height rebound fencing panels, providing effective containment and impact resistance for high-activity sports environments such as MUGAs and ball courts.

Lower Rebound Mesh Compatibility (Typically 1.2m High): Accommodates panels with reinforced rebound mesh at the base to withstand frequent ball strikes and physical contact where impact is most common.

End-of-Line Termination Design: Engineered to securely anchor a single panel at the end of a fencing run, maintaining structural stability without continuing the fence line beyond the post.

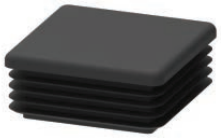
Powder-Coated Galvanised Steel: Offers a robust, weather-resistant finish to prevent corrosion and wear, ensuring reliable performance with minimal maintenance in outdoor conditions.

Anti-Climb Welded Mesh Panels (When Paired with Panels): Suitable for integration with anti-climb mesh featuring tight apertures (e.g., 50x50 mm), promoting safety and preventing unauthorised scaling of the fence.

Single-Panel Fixing Capability: Allows secure connection of one rebound panel using heavy-duty, tamper-proof brackets or clamp bars, providing a firm and safe end point to the fence run.

Bill of Materials

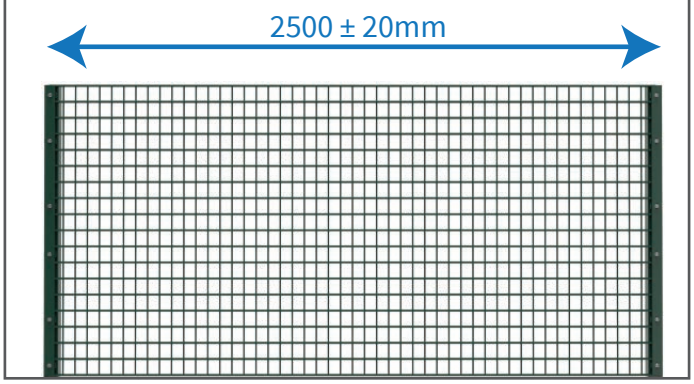
1.2m Rebound Intermediate End Fencing Kit

Illustration	Description	Component Code	Quantity
	1.2m Rebound Intermediate 60x60 Dig In Mesh Post	MESH-REB-6970	1
	1.2m MUGA Folded Clamp Bar 40 X 4mm - 1200mm Long	MESH-REB-5100	1
	M8 X 40mm Mesh Security Bolt	ACCS-MSH-0050	6
	Rebound Nylon Spacer	MESH-PLAY-9245	6
	60x60 Black Ribbed Inserts	ACCS-RIB-0003	1

1.2m End Post Fencing Kit

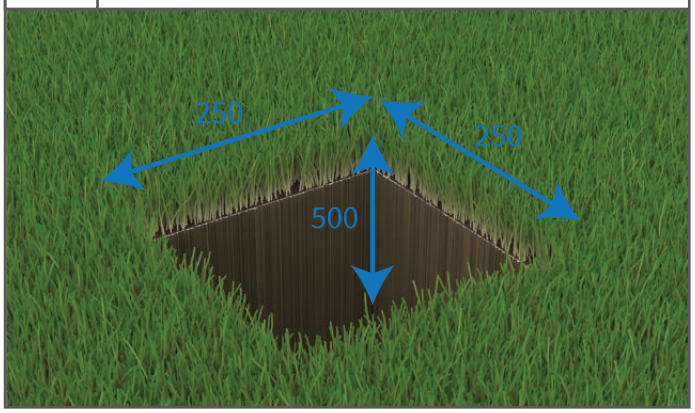
1

Measure and mark the fence bay width or post centre on the ground, as this is an end post determine the final position of the end post cutting the panel down if required. Mark the post centre on the ground.



2

Dig two holes for the end posts to the required depth 250x250x500mm in the marked out fencing bay width. Use the technical drawings to advise on dig in length and ground clearance.

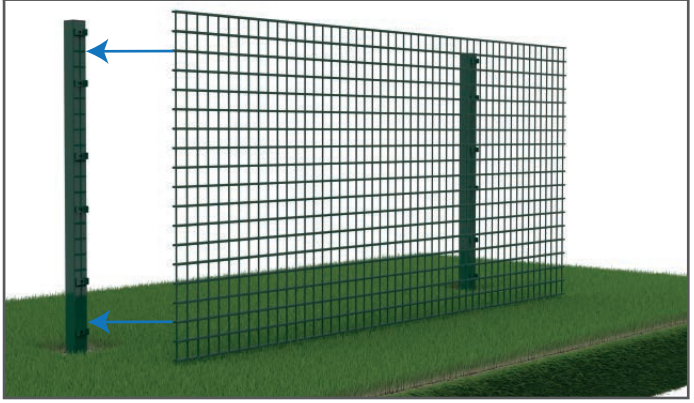


3

Place the 1.2m posts in the holes, ensure they're vertical and aligned, then secure with concrete or post mix. Let them cure fully. Making sure the post cap is inserted before you dig in the post.

4

Lift the intermediate kit mesh panel into position between the intermediate post and to the end post of the end post. Make sure the panel is properly aligned, and the mesh is attach to the 'U' clips on the post.

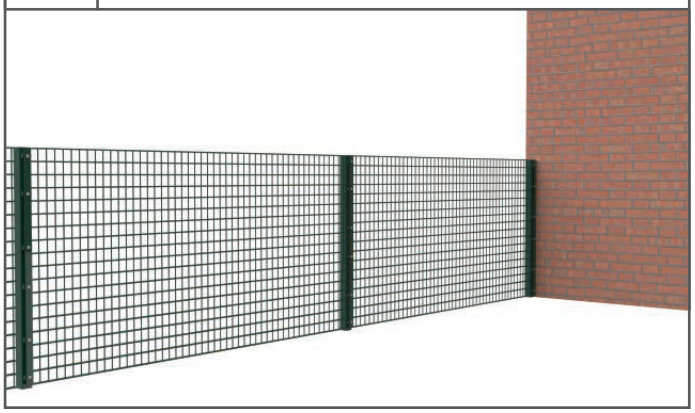


5

Securely fix the panel from the intermediate run to the end post using the clamp bars and fixings provided. Insert the M8 x 40mm security bolts through the clamp bar and nylon spacers, then tighten into the pre-installed rivnuts on the end post.

6

Finally, repeat these steps to finish off a run where necessary. Ensure all panels are level and secure, then clean the site and remove any excess materials or tools.



Note: Installation of the M8 x 40mm Security Bolts and Rivnuts is essential to prevent removal!

What is a 3.0m Rebound Goal Kit?

A 3.0 metre rebound goal kit is a specialised component of sports fencing systems, designed for integration into multi-use games areas (MUGAs) or ball courts. It forms the structural framework for a built-in sports goal, typically combining a robust rebound mesh area with an open goal aperture. The goal kit is engineered to absorb repeated ball impact while maintaining player safety and system durability. It allows seamless integration of goal functionality into the fencing layout without compromising the overall strength, alignment, or rebound performance of the system.

Key Features

Integrated Goal Design: Combines a built-in football or multi-sport goal with surrounding rebound fencing for efficient space use and a streamlined, vandal-resistant structure.

3.0m Total Height: Provides full-height fencing above the goal area to contain high balls and maintain safety for both players and spectators.

High-Impact Rebound Mesh Zone: Features a reinforced 1.2m high rebound section around and behind the goal to withstand repeated, high-speed ball strikes without deformation.

Durable Steel Frame Construction: Manufactured from galvanised steel with a powder-coated finish for long-lasting resistance to rust, corrosion, and heavy wear in outdoor environments.

Anti-Climb Welded Mesh Panels: Utilises tight aperture mesh (e.g., 50x50mm) above the rebound zone to prevent climbing and enhance safety around the play area.

Secure Goal Integration: Designed to fit seamlessly into fencing runs, with precision-mounted fixing points and support posts to maintain structural stability and alignment.

Tamper-Resistant Fixings: Includes security bolts, clamp bars, and fixings engineered to resist vandalism and ensure long-term reliability in public and school installations.

Adjustable Goal Height: Features a removable bolt-on panel system that allows the goal opening height to be modified, making it suitable for various age groups or sports requirements.

Bill of Materials

3.0m Rebound MUGA Mesh Fencing Goal

Illustration	Description	Component Code	Quantity
	3.0m Rebound LH Goal Corner 80x80 Dig In Mesh Post	MESH-REB-8340	1
	3.0m Rebound RH Goal Corner 80x80 Dig In Mesh Post	MESH-REB-8320	1
	3.0m Rebound Corner 80x80 Dig In Mesh Post	MESH-REB-7220	2
	3.0m Extended Rebound Intermediate 80x80 Dig In Mesh Post	MESH-REB-8360	1
	Backboard Post Assembly 80x80 X 1500mm	MESH-PLAY-2010	1
	MUGAPlay® - 3.0m X 810mm Wide Goal Backboard	MESH-PLAY-5220	2
	3030mm High X 860mm Wide Rebound 868 Mesh Fence Panel Only	MESH-PLAY-8120	2
	3030mm High X 1560mm Wide Rebound 868 Mesh Fence Panel Only	MESH-PLAY-8115	2
	3.0M Folded Clamp Bar 40 X 4mm - 3030mm Long	MESH-REB-5160	9

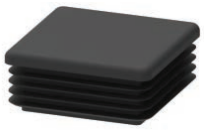
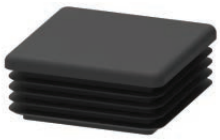
Bill of Materials (continued)

3.0m Rebound MUGA Mesh Fencing Goal

Illustration	Description	Component Code	Quantity
	MUGAPlay® - Basketball Hoop Assembly	MESH-PLAY-5050	1
	Rebound Nylon Spacer	MESH-PLAY-9245	108
	M8 X 40mm Mesh Security Bolt	ACCS-MSH-0050	108
	M12 X 80 Hex Head Bolt	MESH-PLAY-9050	2
	M12 X 110mm Hex Head Bolt	MESH-PLAY-9055	1
	M12 X 140mm Hex Head Bolt	MESH-PLAY-9060	2
	M12 X 160mm Hex Head Bolt	MESH-PLAY-9070	12
	M12 Washer	MESH-PLAY-9130	17
	M12 Hex Head Nylon Nut	MESH-PLAY-9120	17

Bill of Materials (continued)

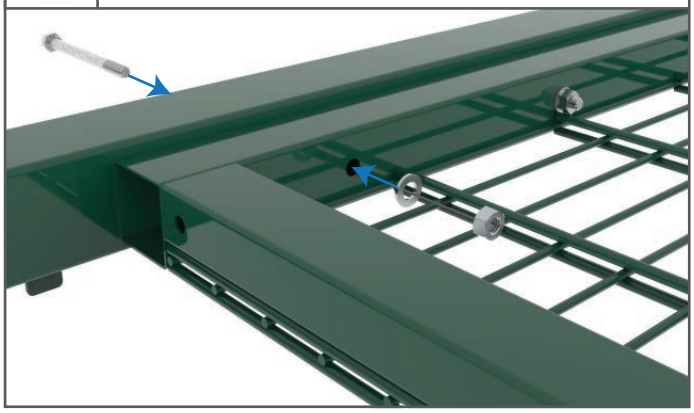
3.0m Rebound MUGA Mesh Fencing Goal

Illustration	Description	Component Code	Quantity
	M12 Hex Head Nut Cap	MESH-PLAY-9110	17
	60x60 Black Ribbed Inserts	ACCS-RIB-0003	4
	80x80 Black Ribbed Inserts	ACCS-RIB-0005	5

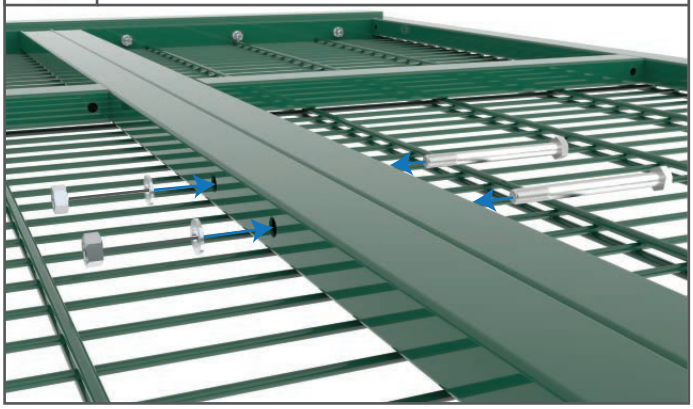
3.0m Rebound MUGA Mesh Fencing Goal Installation

1 Begin by laying the left-hand and right-hand goal posts flat on the ground. Align both 3.0m x 810mm goal panels with the pre-drilled holes on the posts, ensuring all components are oriented correctly before fixing.

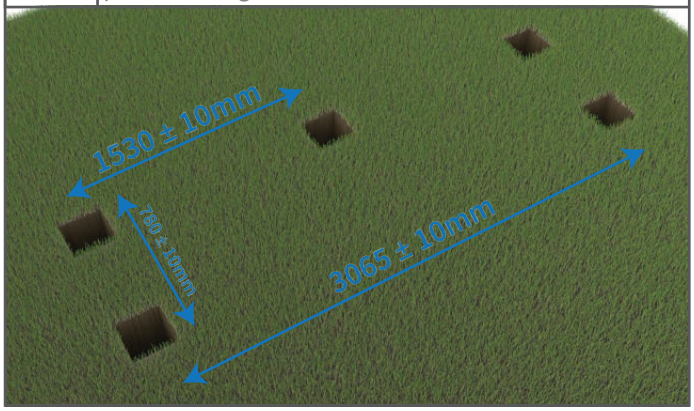
2 Attach both 3.0m x 810mm goal panels to the posts using the M12 x 160mm hex head bolts, ensuring each bolt is fitted with the provided washer and nylon locking nut. Tighten all 12 bolts securely to ensure a stable connection.



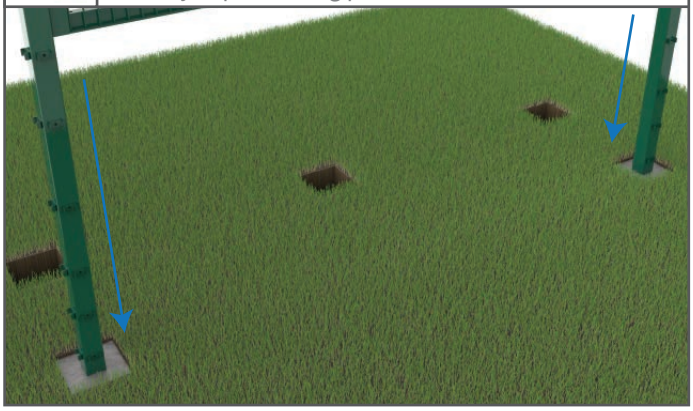
3 Join the two goal panels together by inserting the M12 x 140mm hex head bolts through the central holes of the 3.0m x 810mm panels. Fit each bolt with a washer and nylon locking nut, then tighten securely to ensure a firm and aligned connection.



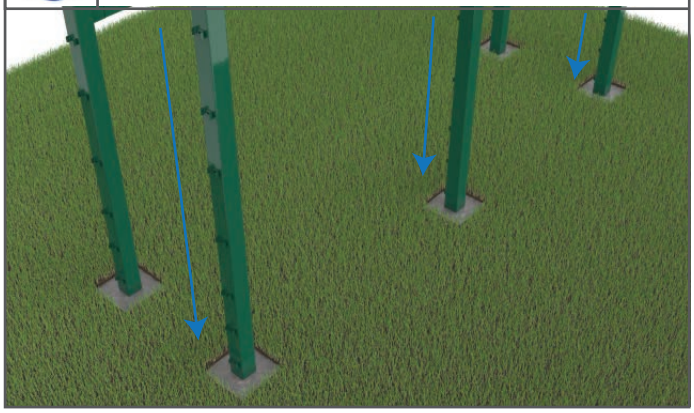
4 Excavate five holes measuring 250mm x 250mm x 830mm to accommodate the goal posts required. Refer to the technical drawing for exact post positions and spacing. Ensure the goal is correctly aligned with the pitch markings or centre line.



5 Start by installing the left-hand and right-hand goal posts with the backboards already attached. Position them centrally in line with the pitch centre mark, and ensure they are vertically plumb. Fix each post securely in place using post mix or concrete.



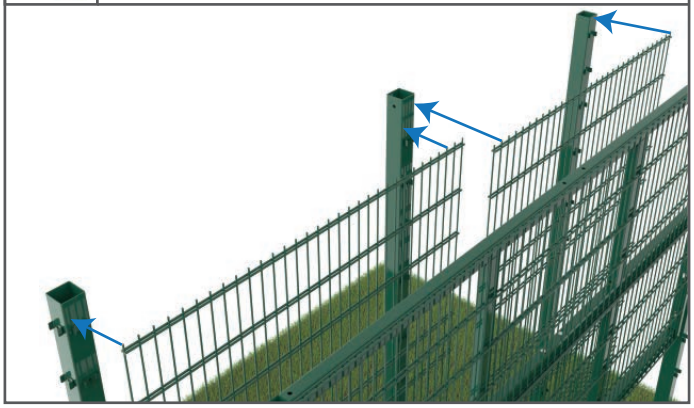
6 Next, dig in both corner posts and the extended intermediate post at the centre of the goal structure. Ensure all posts are vertically plumb and aligned with the previously installed goal posts for a consistent and level installation.



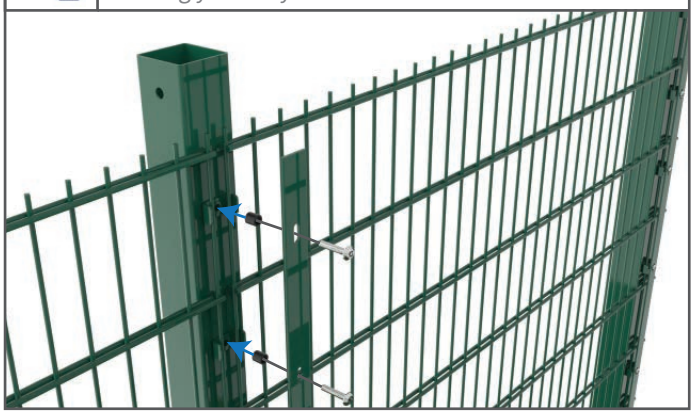
Note: Installation of the M8 x 40mm Security Bolts and Rivnuts is essential to prevent removal!

3.0m Rebound MUGA Mesh Fencing Goal

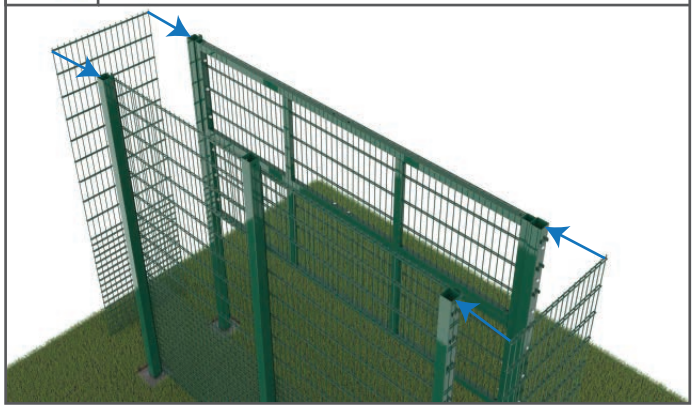
7 Lift both 3.0m high x 1560mm wide panels into position against the corner and intermediate posts, ensuring they are evenly aligned with the extended intermediate post. Secure each panel to the posts using the U-clips.



8 While holding the panels in position, attach the clamp bar using the M8 x 40 security bolts. Feed the bolts through the clamp bar, then through the nylon spacer and into each rivnut, starting from the top and working your way down.

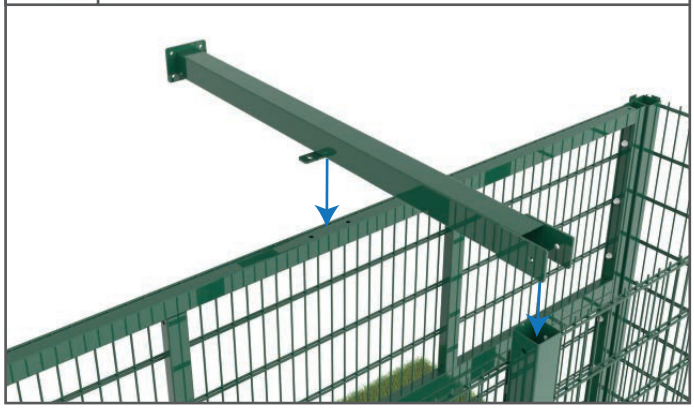


9 Next, lift the remaining two 3.0m x 860mm rebound mesh panels into position, ensuring they are evenly spaced between the goal posts and the corner posts on both sides. Secure each panel to the posts making sure they utilise the U-clips.

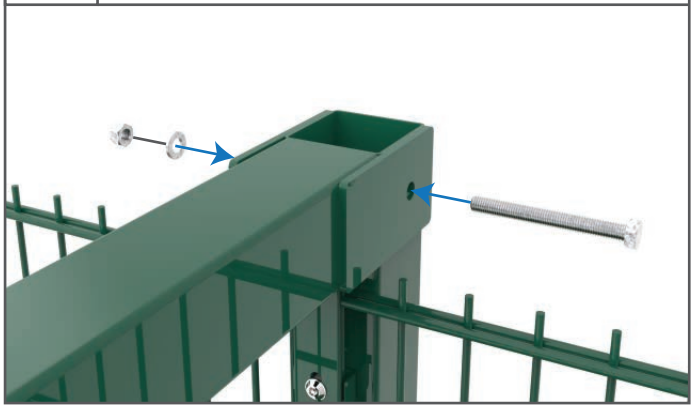


10 While holding each individual panel in position, attach the clamp bar using M8 x 40 security bolts. Feed the bolts through the clamp bar, then the nylon spacer, and into each rivnut, starting from the top and working your way down.

11 Position the Backboard Post Assembly 80x80mm x 1500mm as shown in the illustration below, ready for fixing.



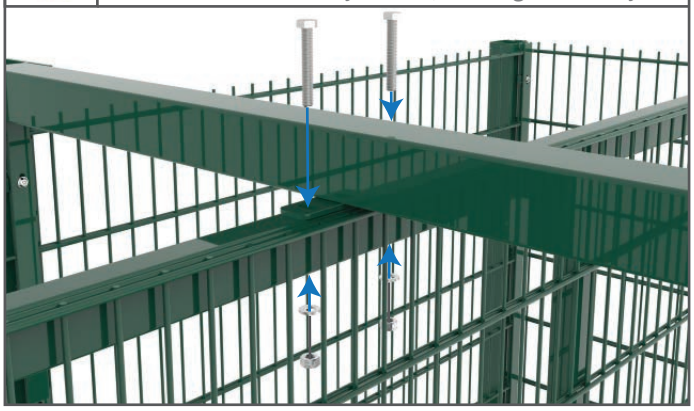
12 Start by aligning the Backboard Post Assembly over the extended intermediate post so that the holes line up. Then, feed the M12 x 110mm bolt through the hole and secure it using an M12 washer and M12 nylon nut, tightening firmly.



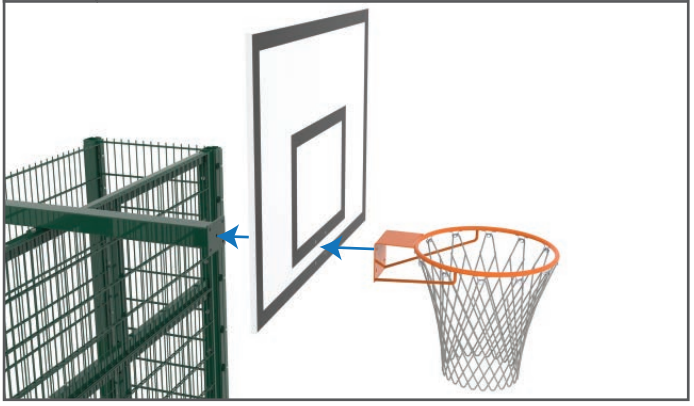
Note: Installation of the M8 x 40mm Security Bolts and Rivnuts is essential to prevent removal!

3.0m Rebound MUGA Mesh Fencing Goal

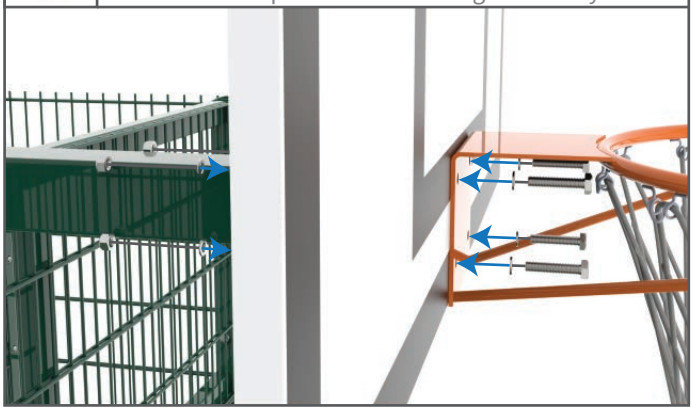
13 Next, move to the front of the Backboard Post Assembly and feed the M12 x 80mm hex head bolts through the plate and into the holes in the 3.0m x 810mm wide goal backboard. Secure each bolt with an M12 washer and M12 nylon nut, then tighten firmly.



14 After attaching the rope basket to the hoop, align the basketball backboard and hoop against each other, lining up the holes with the Backboard Post Assembly. Ensure everything is correctly positioned and ready for fixing.



15 Using the fixings provided in the Basketball Hoop Assembly—and referring to the technical drawing for guidance—insert the bolts through the basketball ring and backboard. Place a washer on both sides, then secure with the provided nut and tighten firmly.



16 Attach the 5x 80x80 ribbed inserts and 4x 60x60 ribbed inserts where applicable, using a rubber mallet to fully seat them into the posts when required.

17 Check that all bolts are fully secure, the mesh panels are taut, and all M12 bolts are tightened. Then, apply the M12 nut caps to all M12 bolts for protection and reduce tampering.

18 That completes the installation of the goal. If you're installing the goal outside of a MUGA system, use the 3.0m intermediate fencing kit guide to install the fencing on both sides of the goal.

Note: Installation of the M8 x 40mm Security Bolts and Rivnuts is essential to prevent removal!

3.0 Installation Sign-Off Checklist

Action	Description	Consequence	Pass or Fail?	Remedial Action	Initial	Date
Gaps Below Panels	Ensure there are no gaps exceeding 20mm between the ground and the bottom of the panel. This helps maintain safety, security, and compliance with specification standards, especially in sports or fencing installations.	Gaps exceeding 20mm between the ground and the bottom of the panel can lead to safety and functional issues. Such gaps may allow balls to escape the designated area of play, disrupting the game and potentially causing safety hazards outside the playing surface.		If gaps are found between the bottom of the panel and the ground that exceed the acceptable limit. Begin by carefully loosening the fixings securing the panel in place, such as bolts or clamps. Once loosened, gently lower the panel until the bottom edge rests flush with the ground.		
Installation of gasket	All bolts must be fitted with a nylon spacer between the clamp bar and the post to reduce rattling of the mesh caused by ball impacts.	This spacer acts as a cushion that absorbs and reduces vibrations caused by balls striking the mesh during play. By minimising rattling noises and movement of the mesh.		If rattling is observed due to the absence or damage of nylon spacers, all affected bolts should be inspected. To replace a nylon spacer, first loosen and remove the bolt securing the clamp bar to the post. Then position a new nylon spacer over the bolt between the clamp bar and the post, removing the old one if required.		
Site clean up	Ground clean up involves the thorough removal of all construction debris, surplus materials, packaging, tools, equipment, and waste from the site upon completion of the installation.	Failure to properly clean the site can result in safety hazards such as trips or injuries, delays in project handover, client dissatisfaction, and potential breaches of environmental regulations.		If the site is not properly cleaned, immediate action should be taken to remove all debris, tools, and waste. The area must be made safe, surfaces cleaned, and waste disposed of correctly. A final inspection should be carried out to ensure the site meets the required standards before handover.		
Final inspection and snagging completed	Final inspection and snagging involve a thorough walk through of the completed installation to identify and document any defects, unfinished work, or areas that do not meet the project specifications.	Failure to complete the final inspection and snagging process can result in overlooked defects, safety hazards, and substandard workmanship remaining on site.		To fix snags, first inspect and list all defects or incomplete works. Assign each item to the relevant trade or team, then carry out the necessary repairs or adjustments to meet the required standard. Once completed, recheck the area to ensure the issue is fully resolved.		

Sign Off Declaration:

I hereby confirm that 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

_____

Note: below is an advisory best practice installation check list to ensure your MUGAPlay® fencing and gates remain Operational, effective and safe.

4.0 Maintenance Schedule

Check Area	Result	Action
Ensure all steel components are periodically cleaned of bird matter, debris and dirt	This will minimise the harbouring of corrosive matter, which could affect paint and galvanising long term	Pressure wash gently to ensure clear of debris
Ensure minimal wobble with mesh fencing	Wobble each panel by hand, if vibration or rattle occurs at the fixing point, then re tighten	Re-tighten security fixings
Ensure gates maintain 50mm ground clearance	If gates have sagged, this may cause damage to the gate or ground	Follow instruction on hinge adjustment to ensure ground clearance
Check all clamp bars are secure and nylon spacers are in good condition.	Clamp bars are securely fixed and nylon spacers are in good condition, helping to reduce noise and vibration when balls strike the rebound mesh fencing.	Tighten or replace loose clamp bars. Replace any missing or damaged nylon spacers to ensure proper noise and vibration reduction.

Take the hassle out of your maintenance schedule

First Fence Limited offers an annual inspection programme for your MUGAPlay® System.

Contact our team today to include this quote onto your sales order.

highsecuritymaintenance@firstfence.co.uk

Operational Notes

1.0 The rebound panels and fence system are designed specifically for MUGA use. Additional loads such as climbing, attaching sports equipment, or mounting signage may cause deformation or damage to the system.

2.0 All moving components, including gate sliders, hinges, and any third-party locking mechanisms, must be inspected regularly for wear, damage, or misalignment. Replace or repair components as necessary to maintain safe operation.

3.0 Gates should be padlockable from both sides using a free-swinging padlock. This ensures secure access control while maintaining ease of use for authorised personnel.

4.0 All fixings must be flush with the surface and free from sharp or protruding edges on both the internal and external faces of the MUGA to prevent injury.

5.0 Post caps must be securely fixed at all times. If dislodged or missing, they may expose sharp edges or create finger trap hazards, particularly if the surrounding structure has been damaged or deformed.