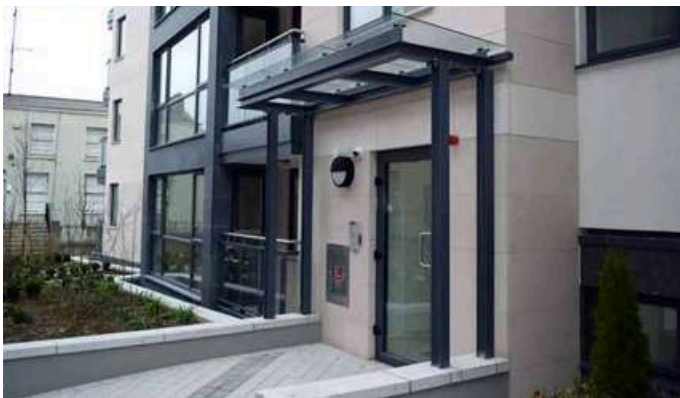


ARCHITECTURAL METALWORK



WHELAN
ENGINEERING WORKS

Whelan Engineering is a manufacturer and supplier of architectural steelwork dedicated to our belief in the principles of quality and service. Since 1972 we have been based in Borris, Co. Carlow and have established a reputation for innovative designs of gates, railings, balconies and much more, with attention to customer requirements, tailored to suit their individual needs.

We are able to process our customer requirements from initial concept through to CAD design, fabrication and installation in both mild and stainless steel. In addition to these services, we are reputed as restorers of railings and gates from bygone eras and pride ourselves on using manufacturing techniques which would have been used by craftsmen from centuries ago. We have a proven and tested relationship with our partners in galvanizing, powdercoating, joinery and glazing.



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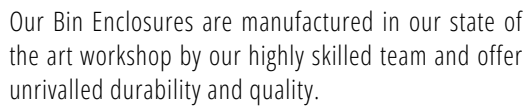
11
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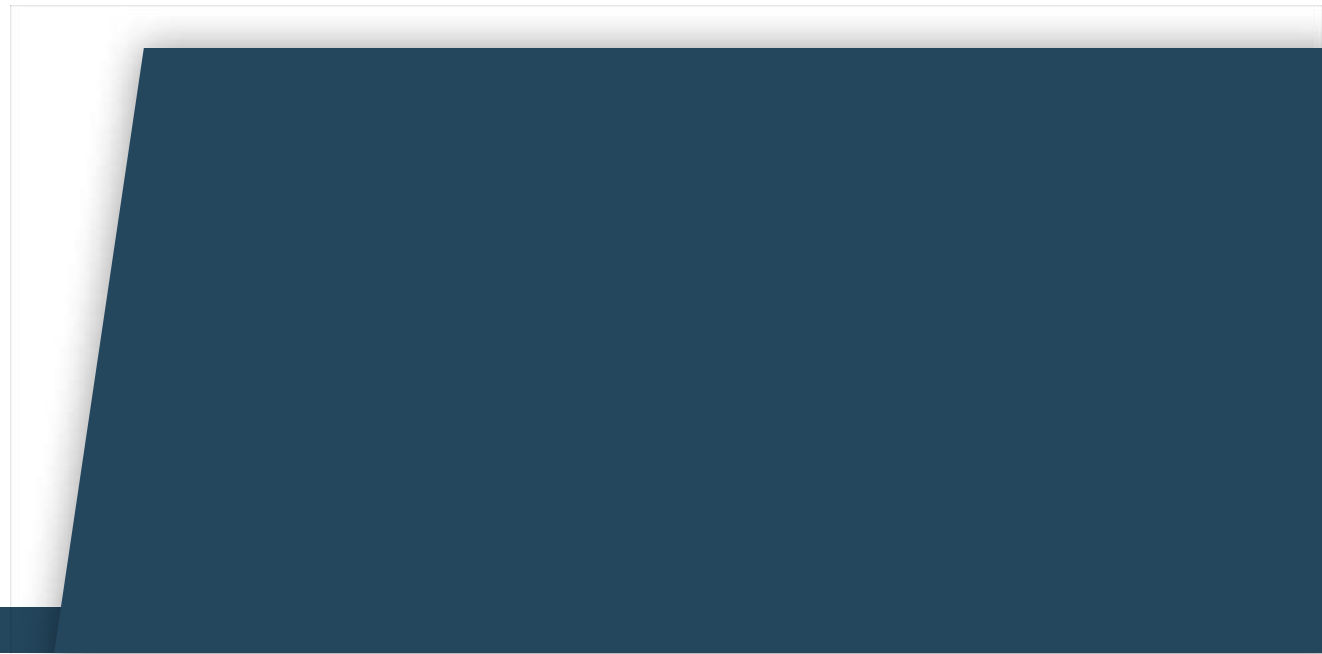


10



-
- A wooden cabinet with two doors and a dark metal frame. The doors are made of light-colored wood with vertical grain. The frame is dark and appears to be made of metal. The cabinet is shown from a slightly elevated angle.

Length (mm)	Width (mm)
2050	900
Height (mm)	
1300	

[illegible]



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WHELAN
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FENCING SYSTEMS



WHELAN
ENGINEERING WORKS





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3D PROFILED WIRE PANELS 5mm



Specifications:

Rigid mesh panel made of horizontal & vertical steel wires, welded together at each intersection. Rigidity is achieved by 100mm high pressed V-beams.

- Panel Width (Length): See Table on Page 9
- Panel height: See Table on Page 9
- Wire Diameter: 5mm
- Wire Spacing Horizontal: 50mm
- Wire Spacing Vertical: 200mm (at profile beam: 50mm)
- Top Edge Projection: 30mm

Standard colour* range:

Colours other than RAL 6005 Green incur an additional cost and lead time.

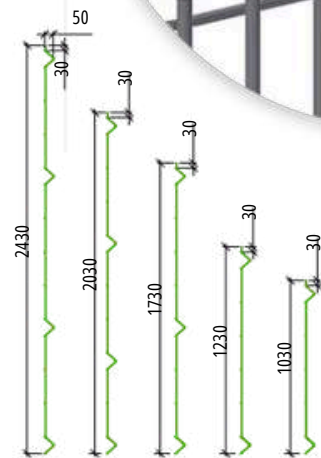
 RAL 6005	 RAL 9005	 RAL 9010
 RAL 1006	 RAL 3000	 RAL 5010

*Standard colour range are for illustrative purposes only. Colour reproduction can vary.

Available finishes:

- Galvanised according to EN 1461
- Galvanised according to EN 1461 and powder coated in selected RAL colours

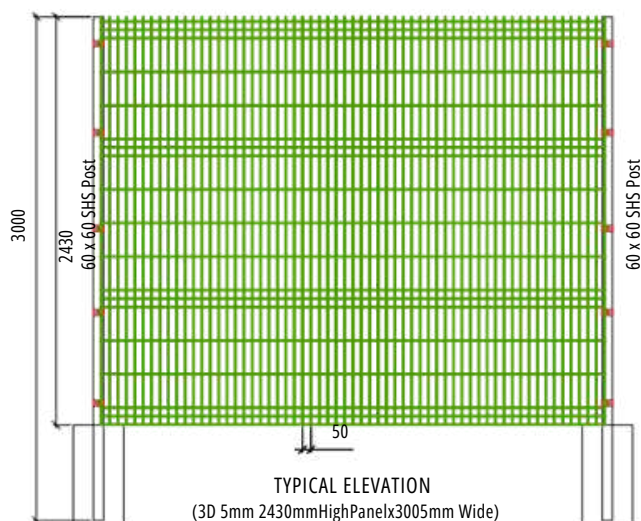




SECTIONS - HEIGHTS AVAILABLE
(see table below for available lengths)

Panel sizes:

Product Reference	Height (mm)	Width (mm)	Post (mm)
3D5-1	1030	2505	60 x 60 SHS
3D5-1.2	1230	2505	60 x 60 SHS
3D5-1.7	1730	2505	60 x 60 SHS
3D5-2	2030	2505	60 x 60 SHS
3D5-2.4	2430	3005	60 x 60 SHS



2D WIRE PANELS 6-5-6



Specifications:

Rigid mesh panel made of horizontal & vertical steel wires, welded together at each intersection.

- Panel Width (Length): 2505mm
- Panel Height: See Table on Page 7
- Wire Diameter Horizontal: 6mm (Double)
- Wire Diameter Vertical: 5mm (Single)
- Wire Spacing Horizontal: 50mm
- Wire Spacing Vertical: 200mm
- Top Edge Projection: 30mm

Standard colour* range:

Colours other than RAL 6005 Green incur an additional cost and lead time.

 RAL 6005	 RAL 9005	 RAL 9010
 RAL 1006	 RAL 3000	 RAL 5010

*Standard colour range are for illustrative purposes only. Colour reproduction can vary.

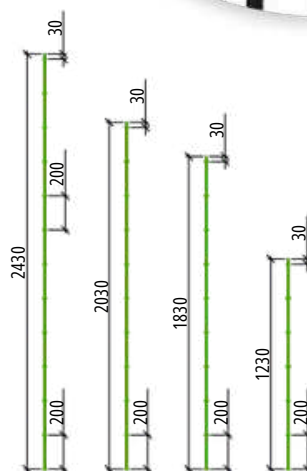
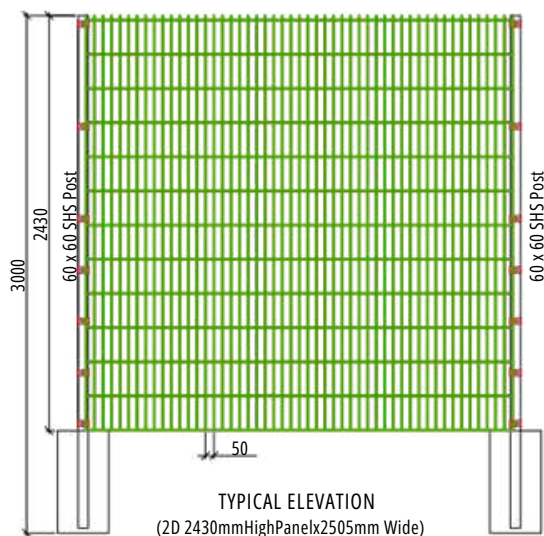
Available finishes:

- Galvanised according to EN 1461
- Galvanised according to EN 1461 and powder coated in selected RAL colours



Panel sizes:

Product Reference	Height (mm)	Width (mm)	Post (mm)
2D-656-1.2	1230	2505	60 x 60 SHS
2D-656-1.8	1830	2505	60 x 60 SHS
2D-656-2	2030	2505	60 x 60 SHS
2D-656-2.4	2430	2505	60 x 60 SHS



SECTIONS - HEIGHTS AVAILABLE
(see table above for available lengths)

2D WIRE PANELS 8-6-8



Specifications:

Rigid mesh panel made of horizontal & vertical steel wires, welded together at each intersection.

- Panel Width (Length): 2506mm
- Panel Height: See Table on Page 5
- Wire Diameter Horizontal: 8mm (Double)
- Wire Diameter Vertical: 6mm (Single)
- Wire Spacing Horizontal: 50mm
- Wire Spacing Vertical: 200mm
- Top Edge Projection: 30mm

Standard colour* range:

Colours other than RAL 6005 Green incur an additional cost and lead time.



*Standard colour range are for illustrative purposes only. Colour reproduction can vary.

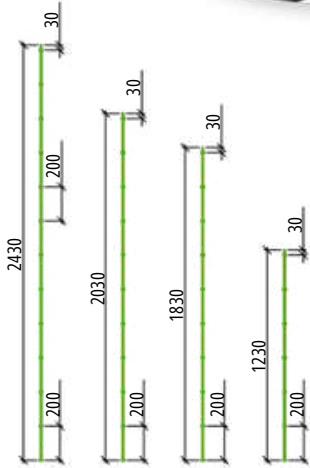
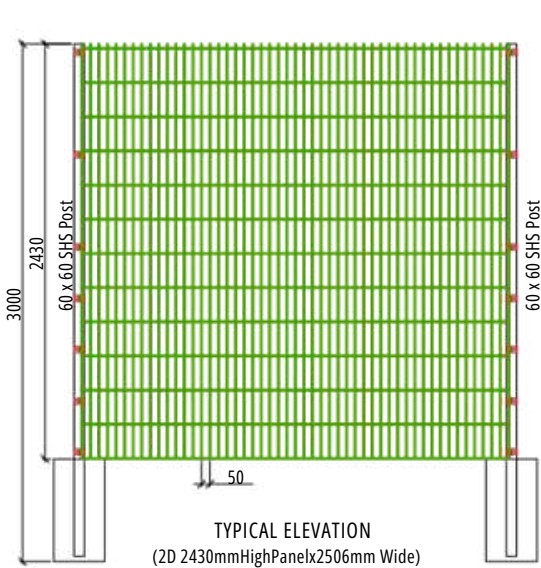
Available finishes:

- Galvanised according to EN 1461
- Galvanised according to EN 1461 and powder coated in selected RAL colours



Panel sizes:

Product Reference	Height (mm)	Width (mm)	Post (mm)
2D-868-1.2	1230	2506	60 x 60 SHS
2D-868-1.8	1830	2506	60 x 60 SHS
2D-868-2	2030	2506	60 x 60 SHS
2D-868-2.4	2430	2506	60 x 60 SHS



SECTIONS - HEIGHTS AVAILABLE
(see table above for available lengths)



SPORTS REBOUND FENCING



Whelan Engineering Sports rebound fencing is manufactured using 6mm vertical and 2 number 8mm horizontal wires welded at each intersection creating a strong and durable panel.

The bottom 1200mm consist of additional wires which give apertures of 50 x 60mm with the remaining panel above the rebound section of 50 x 200mm. With closer wire centres on the lower panel this allows for a more robust and rigid surface helping the ball to rebound back onto the court. The Sports Rebound Fencing panels are ideal for high impact sports.

The rebound twin wire panels supplied by Daniel Whelan Engineering Works Limited excel both in stability and durability due to the high quality of materials used. Our panels are easy to install with various post systems and ball stop netting.

The sports rebound fencing panels are extremely vandal proof, aesthetically pleasing, excellent for using in schools and urban sports grounds.

Typical applications include MUGA pitches, football pitches, hurling pitches, GAA Grounds, schools, ball courts, hockey pitches, all types of sports and recreational areas.





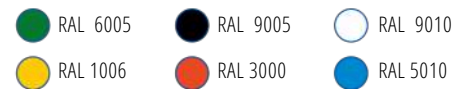
Specifications:

Rigid mesh panel made of horizontal & vertical steel wires, welded together at each intersection.

- Panel Width (Length): 2506mm
- Panel Height: See Table Below
- Wire Diameter Horizontal: 8mm (Double)
- Wire Diameter Vertical: 6mm (Single)
- Wire Spacing Horizontal: 50mm
- Wire Spacing Vertical: For the first 1.2M = 67mm, thereafter = 200mm
- Top Edge Projection: 30mm

Standard colour* range:

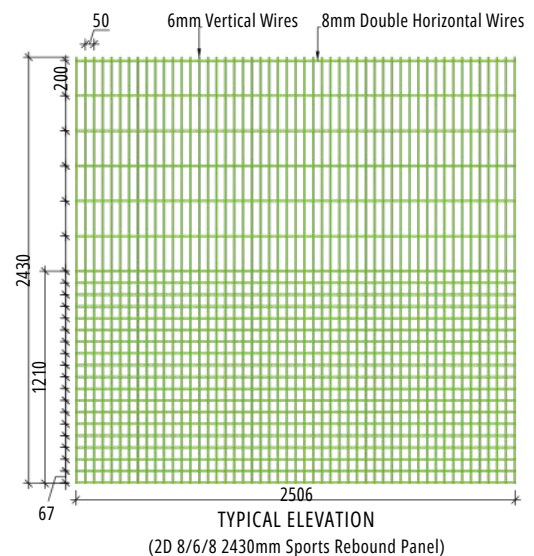
Colours other than RAL 6005 Green incur an additional cost and lead time.



*Standard colour range are for illustrative purposes only. Colour reproduction can vary.

Panel sizes:

Product Reference	Height (mm)	Width (mm)
2D-868-RB-1.2	1230	2506
2D-868-RB-1.8	1830	2506
2D-868-RB-2	2030	2506
2D-868-RB-2.4	2430	2506
2D-868-RB-3	3030	2506



PITCH SPECTATOR MESH FENCING



The spectator mesh fencing panels come with a double horizontal welded system that ensures that they are typically suited for football pitches, hurling pitches, GAA Grounds, schools, ball courts, hockey pitches, all types of sports and recreational areas.

The Pitch spectator mesh fencing from Daniel Whelan Engineering Works Limited can be supplied in the standard 3D 5mm Weld Mesh Fencing, 2D 6/5/6 Weld Mesh Fencing or 2D 8/6/8 Weld Mesh Fencing with a typical height of 1.2m with an aperture of 200 x 50mm.

The addition of the top rail ensures that this system will provide spectator comfort and safety for years to come.

Available finishes:

- Galvanised according to EN 1461 and powder coated in selected RAL

Specifications: 3D

Rigid mesh panel made of horizontal & vertical steel wires, welded together at each intersection. Rigidity is achieved by 100mm high pressed V-beams.

- Panel Width (Length): 2505mm
- Panel Height: 1230mm
- Wire Diameter: 5mm
- Wire Spacing Horizontal: 50mm
- Wire Spacing Vertical: 200mm (at profile beam: 50mm)
- Top Edge Projection: 30mm



Specifications: 2D 656

Rigid meshpanel made of horizontal&vertical steel wires, welded together at each intersection.

- Panel Width (Length): 2505mm
- Panel Height: 1230mm
- Wire Diameter Horizontal: 6mm (Double)
- Wire Diameter Vertical: 5mm (Single)
- Wire Spacing Horizontal: 50mm
- Wire Spacing Vertical: 200mm
- Top Edge Projection: 30mm

Specifications: 2D 868

Rigid meshpanel made of horizontal&vertical steel wires, welded together at each intersection.

- Panel Width (Length): 2506mm
- Panel Height: 1230mm
- Wire Diameter Horizontal: 8mm (Double)
- Wire Diameter Vertical: 6mm (Single)
- Wire Spacing Horizontal: 50mm
- Wire Spacing Vertical: 200mm
- Top Edge Projection: 30mm

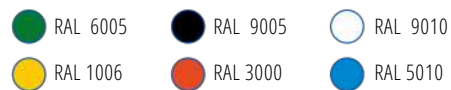
Specifications: 2D 868 Rebound

Rigid meshpanel made of horizontal&vertical steel wires, welded together at each intersection.

- Panel Width (Length): 2506mm
- Panel Height: 1230mm
- Wire Diameter Horizontal: 8mm (Double)
- Wire Diameter Vertical: 6mm (Single)
- Wire Spacing Horizontal: 50mm
- Wire Spacing Vertical: 67mm

Standard colour* range:

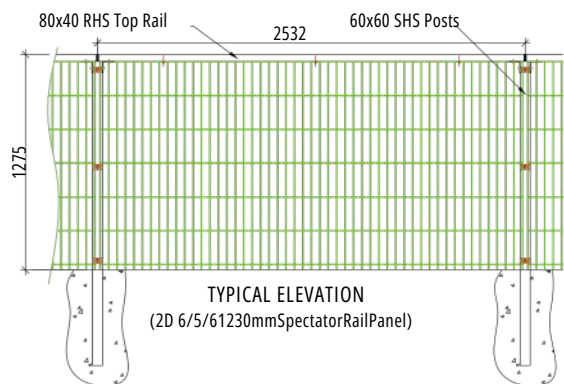
Colours other thanRAL6005Greenincuranadditional cost and lead time.



*Standard colour range are for illustrative purposes only. Colour reproduction can vary.

Panel sizes:

Product Reference	Height (mm)	Width (mm)	Post (mm)	Handrail (mm)
3D5-1.2	1230	2505	60 x 60 SHS	80 x 40 RHS
2D-656-1.2	1230	2505	60 x 60 SHS	80 x 40 RHS
2D-868-1.2	1230	2506	60 x 60 SHS	80 x 40 RHS
2D-868-Rebound 1.2	1230	2506	60 x 60 SHS	80 x 40 RHS



SPORTS FENCING & BALL STOPS



The Pitch surround mesh fencing comes with our 2D 868 double horizontal mesh panels with an option of extended height with the aid of Ballstop Netting. This ensures that they are typically suited for areas where there will be high impact situations such as, MUGA pitches, football pitches, hurling pitches, GAA Grounds, schools, ball courts, hockey pitches, all types of sports and recreational areas.

- Pitch Surround Fencing
- Ball Court Fencing
- Ball Stop Fencing
- Ball Stop Netting
- GAA Ball Stop Netting
- Pitch Dividers
- Recessed Goal Areas
- Basketball Hoop/ Backboards





MULTI USE GAMES AREA (MUGA)



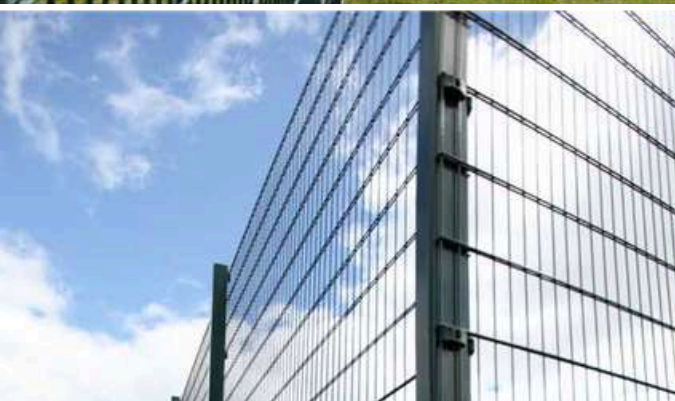


With the ever increasing popularity of health and fitness, at Whelan Engineering we are regarded as a major supplier and installer of Multi Use Games Areas (MUGA) Fencing Systems.

The systems are available with a variety of mesh types, high level netting, supporting posts, and wide range of associated extras.

The MUGA systems are both functional and visually pleasing. The MUGA is finished to the highest standard, which ensures that they are typically suited for areas where there will be high impact situations. MUGA pitches can incorporate facilities for a wide range of sports including: Football, Netball, Basketball, Volleyball & Tennis.





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CONSTRUCTION PRODUCTS



WHELAN
ENGINEERING WORKS

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3 DIRECT MOUNT SKIP

4 FORKLIFT TIPPING SKIP

5 CRANE RUBBLE SKIP

6 STEEL MORTAR BIN

7 PLASTIC MORTAR BIN

8 SINGLE BLOCK GRAB

9 DOUBLE BLOCK GRAB

10 BIN ENCLOSURES

11 NOTES

CE
Marked &
Certified



DIRECT MOUNT SKIP

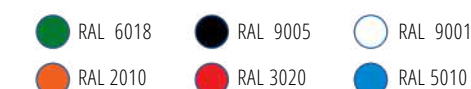
Fabricated in our state of the art workshop by our highly skilled team, the quality and durability is unrivalled. Using rolled steel and reinforced joints, we coat the skip in the highest quality paint to give a fully watertight finish. It comes fitted with locking pins to secure to teleporter forks for ease of use in a wide range of environments.

Available sizes:

Length (mm)	Width (mm)	Height (mm)	Capacity (m³)
1800	1550	1185	2.1
3100	1550	1185	4.4

Standard colour* range:

Colours other than RAL 6018 Green incur an additional cost and lead time.



*Standard colour range are for illustrative purposes only. Colour reproduction can vary.

👍 All Skips Come Tested, Quality Controlled & Certified
🚚 Nationwide Delivery Available

Features:

- Safe Working Load 2000kg
- Strong Mild Steel Construction
- Heavy Duty Lifting Eyes
- Reinforced Sides
- Quick Hitch Options Available, JCB, Manitou etc
- Forklift Safety Pins for Transport/Unloading
- CE Marked & Certified
- Ideal for Construction Waste/Offal, or other Bulk Loads
- Fully Seem Welded & Water Tight

Available options:

- Lids/Covers
- Painted to Customers Spec
- Lifting Eyes



CE
Marked &
Certified



FORKLIFT TIPPING SKIP

Fabricated in our state of the art workshop by our highly skilled team, the quality and durability is unrivalled. Using rolled steel and reinforced joints, we coat the skip in the highest quality paint to give a fully watertight finish. This skip is supplied with a safety chain to secure to forks for ease of use in a range of environments. Our design allows the skip to be picked up from all four sides for ease of use and side loading.

Available sizes:

Length (mm)	Width (mm)	Height (mm)	Capacity (m³)
1250	1700	1270	1.5
1500	1700	1270	1.9
2000	1700	1270	2.5

Standard colour* range:

Colours other than RAL6018 Green incur an additional cost and lead time.



*Standard colour range are for illustrative purposes only. Colour reproduction can vary.

Available options:

- Lids/Covers
- Painted to Customers Spec
- Lifting Eyes



👍 All Skips Come Tested, Quality Controlled & Certified

🚚 Nationwide Delivery Available

Features:

- Multi Side Fork Pick Up
- Low Maintenance Robust Tipping Mechanism
- Strong Mild Steel Construction
- Reinforced Sides
- Safety Chain for Transport/Unloading
- CE Marked & Certified
- Ideal for Construction Waste/Offal, or other Bulk Loads
- Fully Seem Welded & Water Tight

CE
Marked &
Certified



CRANE RUBBLE SKIP

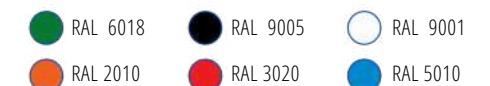
Fabricated in our state of the art workshop by our highly skilled team, the quality and durability is unrivalled. Using rolled steel and reinforced joints, we coat the skip in the highest quality paint to give a fully watertight finish. It comes fitted with Heavy Duty Lifting Eyes and Reinforced Edges for universal usage. Ideal for Crane use, the skip is geometrically balanced to allow for stable lifting. Forklift Sleeves come as standard meaning universal compatibility with forklifts and teleporters. Heavy duty reinforcement and build design allows for carriage of up to two tons.

Available sizes:

Length (mm)	Width (mm)	Height (mm)	Capacity (m³)
1900	1150	1100	1.9

Standard colour* range:

Colours other than RAL6018 Green incur an additional cost and lead time.



*Standard colour range are for illustrative purposes only. Colour reproduction can vary.

Available options:

- Lids/Covers
- Painted to Customers Spec

Features:

- Fork Sockets for Easy Transportation
- Heavy Duty Reinforced Lifting Eyes
- Strong Mild Steel Construction
- Reinforced Sides
- CE Marked & Certified
- Ideal for Construction Waste/Offal, or other Bulk Loads
- Fully Seem Welded & Water Tight

👍 All Skips Come Tested, Quality Controlled & Certified

🚚 Nationwide Delivery Available





STEEL MORTAR BIN

Fabricated in our state of the art workshop by our highly skilled team, the quality and durability is unrivalled. Using rolled steel and reinforced joints, we coat the Tub in the highest quality paint to give a fully watertight finish. This tub comes fitted with Fork Sleeves, Crane lifting eyes and lifting handles for ease of use in a wide range of environments. While being strong and robust it is still light enough to be carried by two people.

Available sizes:

Length (mm)	Width (mm)	Height (mm)	Capacity (m³)
1,470	780	630	0.35

Standard colour* range:

Colours other than RAL6018 Green incur an additional cost and lead time.



*Standard colour range are for illustrative purposes only. Colour reproduction can vary.

👍 All Bins Come Tested, Quality Controlled & Certified

🚚 Nationwide Delivery Available

Features:

- Fork Sockets for Easy Transportation
- Heavy Duty Reinforced Lifting Eyes
- Strong Mild Steel Construction
- CE Marked & Certified
- Handles for Easy Manual Transportation
- Ideal for Concrete/Mortar, Construction Waste/Offal, or other Bulk Loads
- Fully Seem Welded & Water Tight



PLASTIC MORTAR BIN

Our polyethylene UV stabilised 330Ltr Mortar Tub is extremely strong and durable. It comes fitted with Crane lifting eyes for ease of use in a wide range of environments. While being strong and robust it is still light enough to be carried by two people.

Available sizes:

Length (mm)	Width (mm)	Height (mm)	Capacity (m³)
700	1000	700	0.33

Standard colour* range:

Colours other than RAL6018 Green incur an additional cost and lead time.



*Standard colour range are for illustrative purposes only. Colour reproduction can vary.

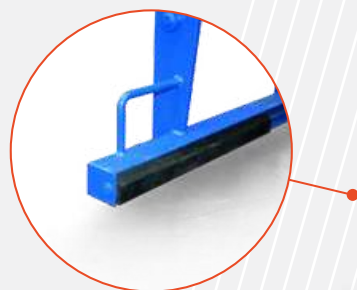
👍 All Bins Come Tested, Quality Controlled & Certified

🚚 Nationwide Delivery Available

Features:

- CE Marked & Certified
- Ideal for Concrete/Mortar, Construction Waste/Offal, or other Bulk Loads





SINGLE BLOCK GRAB

Fabricated in our state of the art workshop by our highly skilled team, the quality and durability is unrivalled. Using mild steel and reinforced joints, we finish the grab in the highest quality paint. Our reliable auto ratchet mechanism ensures efficient hands-free loading and unloading. This grab is designed for crane use and our fork attachment frame also allows for ease of use with telehandlers and forklifts.

Available sizes:

Length (mm)	Width (mm)	Height (mm)	Capacity (kg)
1325	1325	860	1200

Available options:

- Debris Safety Nets
- Replacement Parts
- Replacement Rubbers
- Fork Lifting Attachment

👍 All Block Grabs Come Tested, Quality Controlled & Certified
🚚 Nationwide delivery available.



Features:

- Safe Working Load: 1200kg (Single)
- Lifts a Large Range of Block Sizes
- Heavy Duty Removable Rubber Grabs for Easy Maintenance
- Heavy Duty Lifting Eye
- Easy & Reliable Auto Ratchet Mechanism for Efficient Loading/Unloading
- Designated Grab Handles for Safe Positioning
- Strong Mild Steel Construction
- CE Marked & Certified



DOUBLE BLOCK GRAB

Fabricated in our state of the art workshop by our highly skilled team, the quality and durability is unrivalled. Using mild steel and reinforced joints, we finish the grab in the highest quality paint. Our reliable auto ratchet mechanism ensures efficient hands-free loading and unloading. This grab is designed for crane use and our fork attachment frame also allows for ease of use with telehandlers and forklifts. Our adjustable rails mean that numerous sizes or stacks of blocks can be easily lifted.

Available sizes:

Length (mm)	Width (mm)	Height (mm)	Capacity (kg)
1760	1325	1690	2400

Available options:

- Debris Safety Nets
- Replacement Parts
- Replacement Rubbers
- Fork Lifting Attachment

👍 All Block Grabs Come Tested, Quality Controlled & Certified
🚚 Nationwide delivery available.



Features:

- Safe Working Load: 2400kg (Double)
- Adjustable Height for lifting a large range of block sizes
- Heavy Duty Removable Rubber Grabs for Easy Maintenance
- Heavy Duty Lifting Eye
- Easy & Reliable Auto Ratchet Mechanism for Efficient Loading/Unloading
- Designated Grab Handles for Safe Positioning
- Strong Mild Steel Construction
- CE Marked & Certified



BIN ENCLOSURES

Our Bin Enclosures are manufactured in our state of the art workshop by our highly skilled team and offer unrivalled durability and quality.

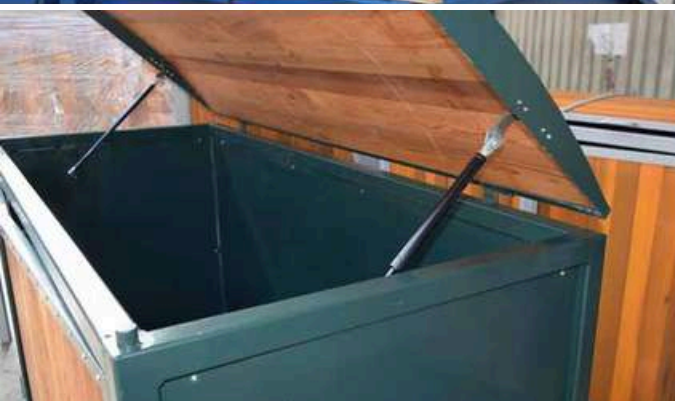
- Ideal for private, terraced and housing with no access to back gardens
- Aesthetically pleasing & a welcomed addition of furniture to any residence
- User friendly gas rams ensures easy to lift open and safe closure of lid
- Each bin enclosure comes with a lockable lid for added security
- Unrivalled safety & user friendly design



Available sizes:

Length (mm)	Width (mm)
2050	900
Height (mm)	
1300	

A dark blue abstract graphic with a white diagonal line and a small blue square. The graphic is composed of a large dark blue rectangle with a white diagonal line running from the top-left corner to the bottom-right corner. A small blue square is located in the bottom-left corner of the rectangle.



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