

## Technical Information

### Welded Mesh - Special Mesh

## Security

Welded Mesh is the ideal barrier providing a see-through material that is welded at each intersection, providing strength and versatility for perimeter fencing, temporary site fencing, gate cladding, window guards and grilles.

Security Applications	Specification (Metric)		Specification (Imperial)	
High Security Fencing	75 x 13 x 4.00		3" x 1/2" x 8g	
Industrial Fencing	50 x 50 x 3.00 200 x 50 x 5	75 x 25 x 3.00	2" x 2" x 10g 8" x 2" x 5mm	3" x 1" x 10g
Security Gates	50 x 50 x 4.00	50 x 50 x 4.75	2" x 2" x 8g	2" x 2" x 6g
Grilles	50 x 25 x 4.00	25 x 25 x 3.00	2" x 1" x 8g	1" x 1" x 10g
	50 x 50 x 4.75	75 x 150 x 4.75	2" x 2" x 6g	3" x 6" x 6g
Window Guards	75 x 13 x 3.00	25 x 25 x 3.00	3" x 1/2" x 10g	1" x 1" x 10g
	25 x 25 x 2.50	50 x 25 x 3.00	1" x 1" x 12g	2" x 1" x 10g
Anti-Bomb Screens	75 x 13 x 4.00		3" x 1/2" x 8g	
Security Riot Control Vehicles	50 x 25 x 4.00/75 x 13 x 4.00/25 x 25 x 3.00		2" x 1" x 8g/3" x 1/2" x 8g/1" x 1" x 10g	
Crowd Control Barriers	50 x 50 x 3.00	50 x 50 x 4.00/25 x 75 x 3.00	2" x 2" x 10g	2" x 2" x 8g/1" x 3" x 10g

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## Safety

Welded Mesh provides an effective shield whilst offering good visibility and air flow (as in fan and ventilator guards). This makes Welded Mesh the most cost effective solution to problems of guarding, balustrading, strata control, safety barriers and pedestrian control.

Safety Applications	Specification (Metric)		Specification (Imperial)	
Machinery Guards (Finger)	75 x 13 x 2.50	13 x 13 x 1.60	3" x 1/2" x 12g	1/2" x 1/2" x 16g
Machinery Guards (General)	50 x 50 x 3.00	50 x 25 x 2.50	2" x 2" x 10g	2" x 1" x 12g
Cages	75 x 25 x 3.00	50 x 50 x 3.00	3" x 1" x 10g	2" x 2" x 10g
Stairs/Walkways	50 x 50 x 4.00/50 x 25 x 3.00/50 x 50 x 3.00		2" x 2" x 8g/2" x 1" x 10g/2" x 2" x 10g	
Balustrading	50 x 25 x 3.00/50 x 50 x 3.00/50 x 50 x 4.00		2" x 1" x 10g/2" x 2" x 10g/2" x 2" x 8g	
Bridge Parapets	50 x 50 x 3.00	75 x 25 x 3.00	2" x 2" x 10g	3 x 1" x 10g
Ventilation Guards	25 x 25 x 2.00/13 x 25 x 1.60/25 x 25 x 2.50		1" x 1" x 14g/1/2" x 1" x 16g/1" x 1" x 12g	

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#### Gabions

Gabions can be supplied with helicals which are used to join the gabion units together. The helicals are manufactured within our guards department.

Mesh Pitch	Gauge of Wire	Alternative Finishes	Standard Sizes
3" (76.2mm) x 3" (76.2mm)	3.00mm	Galfan	39" x 39"
	4.00mm	Hot Dip Galvanised	39" x 81"
	5.00mm	Pre-galvanised	39" x 60"

#### Construction

Welded Mesh has a highly visible and also invisible part to play in the construction industry from screeding, render reinforcement, lagging, earth stabilisation, parapet and scaffold guards to fencing and land reinforcement.

Construction Applications	Specification (Metric)		Specification (Imperial)	
Scaffold Guards	50 x 50 x 2.50	50 x 50 x 3.00	2" x 2" x 12g	2" x 2" x 10g
Rock Fall Protection	75 x 75 x 4.00	50 x 50 x 3.00	3" x 3" x 8g	2" x 2" x 10g
Guniting/Sprayed Concrete	50 x 50 x 2.50	75 x 75 x 3.00	2" x 2" x 12g	3" x 3" x 10g
Land Reinforcement	75 x 75 x 3.00	50 x 50 x 3.00	3" x 3" x 10g	2" x 2" x 10g
Shaft Lining	50 x 50 x 2.50/75 x 75 x 3.00/50 x 50 x 3.00		2" x 2" x 12g/3" x 3" x 10g/2" x 2" x 10g	
Safety Barriers	50 x 50 x 4.00	50 x 50 x 3.00	2" x 2" x 8g	2" x 2" x 10g

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#### Storage

No matter what the application – shelving, racking, screens, consumable stores, lockers or pallet sides, Welded Mesh provides a simple, economical and secure basis for production.

#### Display

Welded Mesh provides the ideal material for point of sale work, allowing the design and manufacture of attractive internal or external display units which hold and present merchandise to its full advantage.

Storage & Display Applications	Specification (Metric)		Specification (Imperial)	
	Display Units	25 x 25 x 2.00	50 x 50 x 2.50	1" x 1" x 14g
	25 x 25 x 2.50	50 x 50 x 3.00	1" x 1" x 12g	2" x 2" x 10g
	50 x 25 x 3.00	75 x 25 x 3.00	2" x 1" x 10g	3" x 1" x 10g
	75 x 25 x 2.50	50 x 25 x 2.50	3" x 1" x 12g	2" x 1" x 12g
Pallets	50 x 50 x 3.00	50 x 50 x 4.00	2" x 2" x 10g	2" x 2" x 8g
Lockers	25 x 25 x 2.50	50 x 50 x 3.00	1" x 1" x 12g	2" x 2" x 10g
Litter Bins	75 x 25 x 2.50/25 x 25 x 2.50/75 x 13 x 2.50		3" x 1" x 12g/1" x 1" x 12g/3" x 1/2" x 12g	
Partitions	50 x 50 x 3.00	75 x 25 x 3.00	2" x 2" x 10g	3" x 1" x 10g
Shelving/Racking	50 x 50 x 2.50/50 x 25 x 3.00/75 x 25 x 2.50		2" x 2" x 12g/2" x 1" x 10g/3" x 1" x 12g	

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#### Agriculture

Welded Mesh has a variety of applications in farming and horticulture, but can mainly be found in feeders, gate infills, pens, barriers, cages and flooring.

Agriculture Applications	Specification (Metric)	Specification (Imperial)
Gates	50 x 50 x 4.75/50 x 50 x 4.00/75 x 75 x 4.75	2" x 2" x 6g/2" x 2" x 8g/3" x 3" x 6g
Animal Pens	50 x 50 x 3.00/50 x 50 x 4.00/50 x 50 x 4.75	2" x 2" x 10g/2" x 2" x 8g/2" x 2" x 6g
Glasshouse Staging	25 x 75 x 3.00/25 x 75 x 2.50	1" x 3" x 10g/1" x 3" x 12g
Trailer Sides	25 x 25 x 2.50/50 x 25 x 3.00	1" x 1" x 12g/2" x 1" x 10g
Grain Storage Silos	50 x 50 x 3.00/75 x 75 x 3.00/75 x 75 x 4.75	2" x 2" x 10g/3" x 3" x 10g/3" x 3" x 6g
Hayracks	75 x 150 x 4.75/75 x 75 x 4.75	3" x 6" x 6g/3" x 3" x 6g
Pig Floors	75 x 0.75 x 4.75	3" x 3/4" x 6g

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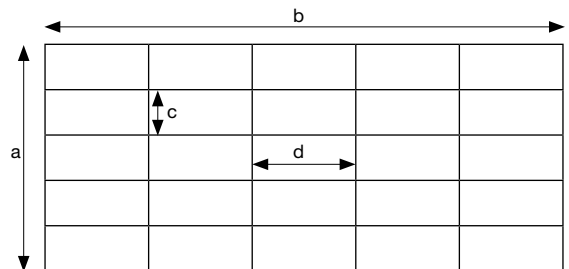
## How To Order

Siddall & Hilton Products Ltd can manufacture or cut special panel sizes. Here is how to order

#### Panels/Rolls with flush edges:

The following specifications are required.

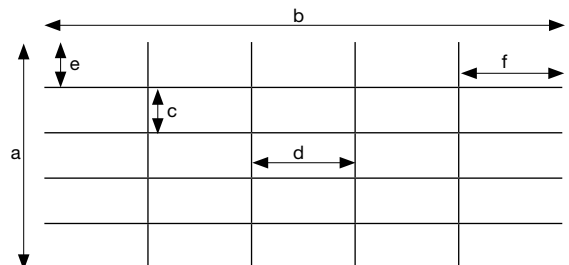
- Width of Panel/Roll
- Length of Panel/Roll
- Mesh size on width
- Mesh size on length
- Gauge of wire
- Finish of wire



#### Panels with overhang

The following specifications are required.

- Width of Panel including overhang
- Length of Panel including overhang
- Mesh size on width
- Mesh size on length
- e) and f) Length of overhang required
- Gauge of wire
- Finish of wire



Siddall & Hilton Products Ltd can be found supporting the infrastructure of the UK's economy wherever security, safety, storage and reinforcement are a priority.

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### Industrial Welded Mesh - Welded Special Mesh

### Non Standard Panels

Approximate weight of panels kg/ft<sup>2</sup>

Gauge	Specification			Weight kg/ft <sup>2</sup>
	Mesh Size Metric Equivalent mm	Mesh Size Inches	Wire Diameter mm	
<b>6g</b>	75 x 150	3 x 6	4.75	0.26
	75 x 75	3 x 3	4.75	0.34
	50 x 50	2 x 2	4.75	0.50
<b>8g</b>	75 x 13	3 x 1/2	4.00	0.79
	75 x 75	3 x 3	4.00	0.23
	50 x 50	2 x 2	4.00	0.34
	50 x 25	2 x 1	4.00	0.51
	25 x 25	1 x 1	4.00	0.68
<b>10g</b>	100 x 100	4 x 4	3.00	0.10
	75 x 13	3 x 1/2	3.00	0.45
	75 x 75	3 x 3	3.00	0.13
	75 x 25	3 x 1	3.00	0.26
	50 x 50	2 x 2	3.00	0.20
	50 x 25	2 x 1	3.00	0.29
	38 x 38	1 1/2 x 1 1/2	3.00	0.26
	25 x 25	1 x 1	3.00	0.39
<b>12g</b>	75 x 13	3 x 1/2	2.50	0.31
	75 x 25	3 x 1	2.50	0.18
	50 x 50	2 x 2	2.50	0.14
	50 x 25	2 x 1	2.50	0.20
	25 x 25	1 x 1	2.50	0.27
<b>14g</b>	25 x 25	1 x 1	2.00	0.18