

## Technical Information

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### Welded Mesh - Standard Mesh

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## Introduction & Advantages






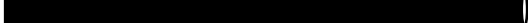
Welded Mesh has been at the forefront of British industry for decades as the most cost effective, versatile, strong solution to protection and retention whilst still retaining visibility.

Siddall & Hilton mesh is manufactured from copper washed, bright wire or stainless steel 304. The steel used for copper washed and bright is to BS 1052:1980 and is electrically welded at each intersection on the most up to date equipment in the world.

Welded Mesh can be supplied in standard panel or roll form or can be manufactured to size from a variety of gauges (from 2mm to 8mm) and mesh sizes from 1/4" to 12".

Siddall & Hilton mesh is available hot dip galvanised to BS EN ISO 1461:1999 Part 1 which provides significant protection to the mesh and ensures no bare ends which may result when cutting from a galvanised roll.

Siddall & Hilton mesh is available throughout the UK and Ireland via a network of stockists and distributors who can provide service and advise to meet your needs.

	Wire Dia.	Approx Gauge
	2.00mm	14
	2.50mm	12
	3.00mm	10
	4.00mm	8
	4.75mm	6
	6.00mm	4

Siddall & Hilton mesh is manufactured to ISO 9001:2000 from steel and wire that is also manufactured to the same accreditation.

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### Weight Guide (Copper Washed)

Gauge	Specification		Approx Weight Per Panel (Kilos)				
	Metric	Imperial	4' x 8' 1220 x 2440	6' x 4' 1830 x 1220	6' x 3' 1830 x 915	6' x 12' 1830 x 3660	7' x 12' 2135 x 3660
6g	76.2 x 152.4	3" x 6"	8.65	6.53	4.90	19.07	22.16
	76.2 x 76.2	3" x 3"	11.37	8.57	6.43	25.18	29.29
	50.8 x 50.8	2" x 2"	16.80	12.65	9.49	37.39	43.52
8g	76.2 x 12.70	3" x 1/2"	26.47	19.88	14.96	59.30	69.12
	76.2 x 76.2	3" x 3"	8.06	6.08	4.56	17.85	20.76
	50.8 x 50.8	2" x 2"	11.91	8.96	6.76	26.50	30.85
	50.8 x 25.4	2" x 1"	17.69	13.30	9.98	39.49	46.00
	25.4 x 25.4	1" x 1"	22.70	17.08	12.86	50.90	59.33
10g	101.6 x 101.6	4" x 4"	3.65	2.76	2.10	8.07	9.38
	76.2 x 12.70	3" x 1/2"	15.35	11.53	8.67	34.39	40.09
	76.2 x 76.2	3" x 3"	4.53	3.42	2.58	10.04	11.68
	76.2 x 25.4	3" x 1"	8.86	6.66	5.02	19.78	23.04
	50.8 x 50.8	2" x 2"	6.69	5.04	3.80	14.91	17.37
	50.8 x 25.4	2" x 1"	9.94	7.48	5.63	22.22	25.89
	38.1 x 38.1	1 1/2" x 1 1/2"	9.10	6.72	5.10	20.20	23.60
	25.4 x 25.4	1" x 1"	13.18	9.91	7.45	29.52	34.41
12g	76.2 x 12.70	3" x 1/2"	10.49	7.88	5.91	23.48	27.37
	76.2 x 25.4	3" x 1"	6.05	4.55	3.41	13.51	15.73
	50.8 x 50.8	2" x 2"	4.57	3.44	2.60	10.18	11.85
	50.8 x 25.4	2" x 1"	6.79	5.11	3.83	15.17	17.67
	25.4 x 25.4	1" x 1"	9.01	6.77	5.10	20.15	23.49
14g	25.4 x 25.4	1" x 1"	5.75	-	-	-	-

For galvanised add 10% to above weights

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### Pallet Quantities

Pallet Quantities							
Standard full pallet quantities for industrial mesh panels							
Specification	Approximate Weight	Standard Panels Per Pallet					Specification
Mesh Size Inches	kg/ft <sup>2</sup>	1220 x 2440 4' x 8'	1830 x 1220 6' x 12'	1830 x 1220 6' x 4'	1830 x 915 6' x 3'	2135 x 3660 7' x 12'	Approx Metric Equivalent of Mesh Aperture
3 x 6 x 6g	0.24	50	25	50	50	25	75 x 150
3 x 3 x 6g	0.35	50	25	50	50	25	75 x 75
2 x 2 x 6g	0.51	50	25	50	50	25	50 x 50
3 x 1/2 x 8g	0.83	50	-	-	-	-	75 x 13
3 x 3 x 8g	0.24	50	25	50	50	25	75 x 75
2 x 2 x 8g	0.36	50	25	50	50	25	50 x 50
2 x 1 x 8g	0.54	50	25	50	50	25	50 x 25
1 x 1 x 8g	0.71	50	-	-	-	-	25 x 25
4 x 4 x 10g	0.11	100	-	-	-	-	100 x 100
3 x 1/2 x 10g	0.48	50	25	50	50	25	75 x 13
3 x 3 x 10g	0.14	50	50	50	50	25	75 x 75
3 x 1 x 10g	0.28	50	25	50	50	25	75 x 25
2 x 2 x 10g	0.21	100	50	50	50	50	50 x 50
2 x 1 x 10g	0.31	50	25	50	50	25	50 x 25
1 1/2 x 1 1/2 x 10g	0.28	50	-	-	-	-	38 x 38
1 x 1 x 10g	0.41	50	25	50	50	25	25 x 25
3 x 1/2 x 12g	0.33	50	50	50	50	50	75 x 13
3 x 1 x 12g	0.19	50	50	50	50	50	75 x 25
2 x 2 x 12g	0.14	50	50	50	50	50	50 x 50
2 x 1 x 12g	0.21	50	50	50	50	50	50 x 25
1 x 1 x 12g	0.28	50	50	50	50	50	25 x 25
1 x 1 x 14g	0.19	50	-	-	-	-	25 x 25

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## Stainless Steel (304) Welded Mesh

Siddall & Hilton manufacture and stock a range of meshes from Stainless Steel 304 wire which gives a very high quality product for greater life and supreme durability.

It is used in many applications ranging from security, storage and in building and construction.

Please find listed our panel and mesh sizes available:

<b>Stainless Steel (304) Welded Mesh</b>	
<b>Mesh</b>	<b>Panel Size</b>
1" x 1" x 12g	4' x 8'
1" x 1" x 12g	6' x 3'
2" x 2" x 12g	4' x 8'
2" x 2" x 12g	6' x 3'
3" x 1/2" x 12g	4' x 8'
1" x 1" x 10g	4' x 8'
1" x 1" x 10g	6' x 3'
2" x 2" x 10g	4' x 8'
2" x 2" x 10g	6' x 3'
3" x 1/2" x 10g	4' x 8'

Prices based on 25 panels per pallet

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## Quality Standards

### General

Welded Mesh is a welded steel wire mesh manufactured from bright drawn mild steel conforming to BS 1052:1980. It is welded at every intersection to give maximum strength.

Welded Mesh is produced in rolls or panels from wire as fine as 2mm or as heavy as 8mm with apertures as small as 1/4" or as large as 12".

Because Welded Mesh is so strong, it can be cut or bent to shape without falling apart and forms its own selvage when cut flush.

### Wire Quality

Welded Mesh is manufactured from mild steel wire conforming to BS 1052:1980.

The carbon content of mild steel rod to be 0.10% maximum.

Siddall & Hilton Products Ltd manufacturing standards meet ISO 9001:2000.

Galvanising is to BS EN ISO 1461:1999.

### Tolerances

The following inspection criteria must be used.

The centre to centre width and length measurements and the difference between the diagonal dimensions shall be as follows:

Dimensions	Width/Length Tolerance	Diagonals Tolerance
Up to 3'	+/- 1/8" (3mm)	1/4" (6mm)
Over 3'	+/- 1/4" (6mm)	1/2" (12mm)

Pitch: The centre to centre pitch for line and cross wires shall be within the tolerance of 3mm

Flatness: 2" maximum