

# Stainless Steel Welded Mesh



**Stainless UK offer a wide range of stainless steel reinforcement mesh manufactured from ribbed reinforcement bar and standard welded mesh panels manufactured from plain round bars.**

## Reinforcement mesh

manufactured to BS4483 is typically used where the concrete cover to the steel is minimal, or where long life cycle is required.

## Standard welded mesh

can be supplied for a cost effective solution for innumerable applications throughout all types of industry.

## Benefits

- Excellent corrosion resistance
- Non-magnetic properties
- High/low temperature resistance
- Life-cycle cost benefits
- Large mat sizes available
- Bent to your requirements
- Flush edges or overhangs

## Stainless Steel Mesh

### Reinforcement Mesh

Available in standard grades 304 and 316. For other grades see Rebar data sheet.

Ultimate Tensile Stress	550 N/mm <sup>2</sup>
Minimum 0.2% proof stress (effective yield)	550 N/mm <sup>2</sup>
Standard mesh size	To suit your requirements

### Applications

- Roads
- Bridges
- Aquaducts
- Viaducts
- Marine / Coastal
- Tunnels

BS4483 Ref	Main Wires			Cross Wires			Mass per m <sup>2</sup>
	Pitch (mm)	Dia (mm)	Area (mm <sup>2</sup> /m)	Pitch (mm)	Dia (mm)	Area (mm <sup>2</sup> /m)	
A393	200	10	393	200	10	393	6.16
A252	200	8	252	200	8	252	3.95
A193	200	7	193	200	7	193	3.02
A142	200	6	142	200	6	142	2.22
A98	200	5	98	200	5	98	1.54
B1131	100	12	1131	200	8	252	10.90
B785	100	10	785	200	8	252	8.14
B503	100	8	503	200	8	252	5.93
B385	100	7	385	200	7	193	4.53
B283	100	6	283	200	7	193	3.73
B196	100	5	196	200	7	193	3.05

### Standard Welded Mesh

Welded Mesh is manufactured by laying crosswires at 90° to the longitudinal wires and resistance welding at every intersection.

### Wrapping Mesh

	Pitch mm	Wire Dia	Available Grades	Available Grades
D49	100	2.5mm	304	316
D98	200	3.0mm	304	316

### Mesh on a Roll

Pitches	Wire Dia	Available Grades	
Sheet Size 30m x 1.22m Rolls			
1/4" x 1/4"	0.8mm	304	
1/2" x 1/2"	1mm	304	
1/2" x 1/2"	1.6mm	304	316
1.0" x 1.0"	1.6mm	304	316
Cut to Size Available			

### Mesh Sheets

Pitches	Wire Diameter		Available Grades	
Sheet Size 6ft x 3ft				
1.0" x 1.0"	2.5mm	3.0mm	304	
2.0" x 2.0"	2.5mm	3.0mm	304	
3.0" x 0.5"	2.5mm		304	
Sheet Size 8ft x 4ft				
0.5" x 0.5"	2.5mm	3.0mm	304	
1.0" x 1.0"	2.5mm	3.0mm	304	316
1.5" x 1.5"		3.0mm	304	316
2.0" x 2.0"	2.5mm	3.0mm	304	316
3.0" x 0.5"	2.5mm	3.0mm	304	
3.0" x 1.0"		3.0mm	304	
3.0" x 3.0"		3.0mm	304	
Sheet Size 10ft x 5ft				
1.0" x 1.0"		3.0mm	304	
2.0" x 2.0"		3.0mm	304	
Sheet Size 2m x 1m				
33 x 33mm		3.0mm	304	
43 x 43mm		3.0mm	304	
53 x 53mm		3.0mm	304	
44 x 44mm		3.0mm	304	

Stainless UK has taken care to ensure that this information is accurate, but cannot be responsible for interpretation of the details nor is any liability implied or accepted.



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