

Stainless Steel Welded & Reinforcement 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 BS 4483 and is typically used where the concrete cover to the steel is minimal, or where long life cycle is required.

Standard Welded Mesh

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

Benefits

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

Reinforcement Mesh

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

Ultimate Tensile Stress	550 N/mm ²
Minimum 0.2% proof stress (effective yield)	500
Standard Mesh Size	4 × 2 metres

Applications

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

BS4483 Ref	Main Wires			Cross Wires			Mass per m ²
	Pitch (mm)	Dia. (mm)	Area (mm ² /m)	Pitch (mm)	Dia. (mm)	Area (mm ² /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			
Product	Pitch (mm)	Wire Dia. (mm)	Available Grades
D49	100	2.5	304, 316
D98	200	3.0	

Mesh on a Roll (Sheet Size 30 m × 1.22 m Rolls)		
Pitch	Wire Dia (mm)	Available Grades
1/4" × 1/4"	0.8	304
1/2" × 1/2"	1	304
1/2" × 1/2"	16	304, 316
1.0" × 1.0"	16	

Cut to size available

Mesh Sheets			
Pitch	Wire Dia. (mm)		Available Grades
Sheet Size 6ft x 3ft			
1.0" × 1.0"	2.5 mm	3.0 mm	304
2.0" × 2.0"	2.5 mm	3.0 mm	304
3.0" × 0.5"	2.5 mm		304
Sheet Size 6ft x 3ft			
0.5" × 0.5"	2.5 mm	3.0 mm	304
1.0" × 1.0"	2.5 mm		304, 316
1.5" × 1.5"	–		304, 316
2.0" × 2.0"	2.5 mm		304, 316
3.0" × 0.5"	2.5 mm		304
3.0" × 1.0"	–		304
3.0" × 3.0"	–		304
Sheet Size 10ft x 5ft			
1.0" × 1.0"	–	3.0 mm	304
2.0" × 2.0"	–	3.0 mm	304
Sheet Size 2m x 1m			
33 × 33 mm	–	3.0 mm	304
43 × 43 mm	–	3.0 mm	304
53 × 53 mm	–	3.0 mm	304
44 × 44 mm	–	3.0 mm	304