

## Gabions and Mattresses

Weldmesh Gabions and Mattresses are manufactured from lightly galvanised (Class C > 100g/m<sup>2</sup>) wire of 4.0mm / 5.6mm diameter 6mm (depending on specific customer needs) (UTS 500 – 700 MPa) and have minimum weld shear strength of between 7.3 - 9.3 kN.

### SPECIFICATIONS

Welded mesh gabions are faster to erect and do not need tensioning. This allows them to keep their shape, to be free from bulges and depressions and fit easily against the wall. Gabions and Mattresses can be delivered to site in sub-assembled units together with tying wire or spirals.

### APPLICATIONS

Gabions are used in many situations including:

- ⊙ The stabilization of earth movement
- ⊙ Erosion
- ⊙ River control
- ⊙ Reservoirs
- ⊙ Canal refurbishment
- ⊙ Landscaping and retaining walls.



### NOMINAL DIMENSIONS

Classification	Length (m)	Width (m)	Height (m)	Volume (m3)	Panels Needed	Length (m)	Width (m)	Weight per box (kg)
Gabion Box	1.3	0.5	0.5	0.325	4	1.3	0.5	15.33
					3	0.5	0.5	
	2.3	0.6	0.6	0.828	4	2.3	0.6	17.81
					3	0.6	0.6	
	2.3	1.3	0.6	1.794	2	2.3	1.3	47.8
					2	2.3	0.6	
					3	1.3	0.6	
	1.1	0.7	0.5	0.385	2	1.1	0.7	15.12
					2	1.1	0.5	
	1.4	0.5	0.5	0.350	2	0.7	0.5	15.02
					4	1.4	0.5	
Gabion Mattress	1.1	0.5	0.5	0.275	2	0.5	0.5	12.42
					4	1.1	0.5	
	2.4	0.5	0.5	0.600	2	0.5	0.5	24.97
					4	2.4	0.5	
	3	0.9	0.3	0.810	3	0.5	0.5	35.46
					2	3	0.9	
					2	3	0.3	
	2.3	0.9	0.3	0.621	3	0.3	0.9	26.88
					2	2.3	0.9	
					2	2.3	0.3	
	3	0.9	0.3	0.810	2	0.9	0.3	27.93
					2	2.4	0.9	
					2	2.4	0.3	
					2	0.9	0.3	

Options  
for PVC  
Coating  
available

For all non-standard sized gabions or mattresses it is advisable to contact Steeledale Mesh for personal attention to specific requirements.