

## Welded Gabion

**Welded gabions** are wire mesh containers welded with high quality steel mesh. They can be filled on site with hard durable stone materials to form mass gravity retaining structures. Owing to their inflexibility, welded gabions can not adapt to differential settlement or be used in water courses. In comparison with woven wire gabions, **welded gabions** offer a higher strength. In order to meet different project requirements, various wire diameters and unit sizes are available for welded gabion boxes.

**Material:** rigid, lightweight, galvanized steel mesh

### Features:

**Welded 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.



Welded Gabion



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### Applications:

- \* Retaining wall structures
- \* Prevention of current scour and erosion control
- \* Bridge protection
- \* Hydraulic structures, dams and culverts
- \* Embankment protection
- \* Rockfall prevention and soil erosion protection

### Technical Note:

Mesh Size: Mesh openings should be square of nominal dimension of 76.2mm on the grid.

Mesh Wire: Nominal wire diameter should be 3.0mm to BS 1052.

Standard Sizes: 2mx1mx1m, 2mx 1mx0.5m, 1mx1mx1m, 1mx1mx0.5m, 1.5m x1mx1m

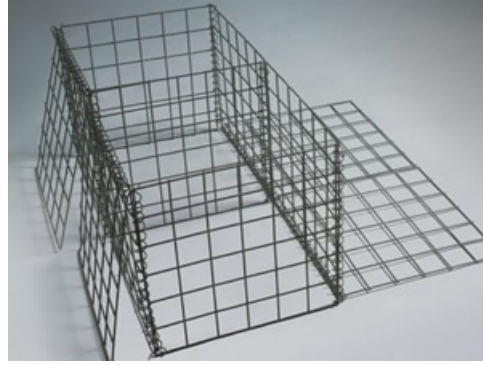
Surface Treatment: 95% zinc 5% aluminum coating for corrosion resistance

Assembly: Assembled with stainless steel clips connecting side panels and diaphragms to the base panel

Joining: Welded gabion should be provided with lacing wire for site assembly, which should be of minimum wire diameter 2.2mm for final joining.



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**Specifications:**

sizes of gabion L*W*H(cm)	amount of diaphragm	Standard of gabion												
		300*100	300*50	200*100	200*50	150*100	150*50	100*100	100*50	50*50	150	100	50	
300 x 100 x100	0	4						2			8	8		
	2	4						4			8	16	4	
300 x 100 x50	0	2	2						2		8	4	4	
	2	2	2						4		8	8	8	
300 x 50 x100	0	2	2						2		8	4	4	
	2	2	2						4		8	8	8	
300 x 50 x50	0		4							2	8		16	
	2		4							4	8		8	
200 x 100 x100	0			4				2					16	
	1			4				3					20	
200 x 100 x50	0			2	2				2				12	4
	1			2	2				3				14	6