

# Gabion Box

PVC coated



The same double twisted mesh box with a PVC jacket over every wire — for river works, permanently wet, tidal, coastal or chemically aggressive ground, and anywhere the structure cannot be reached again.

## Wire and mesh

|               | Core / outside diameter                |
|---------------|----------------------------------------|
| Mesh type     | 10×12 (D = 100 mm) or 8×10 (D = 80 mm) |
| Mesh wire     | 2.70 / 3.70 mm                         |
| Selvedge wire | 3.40 / 4.40 mm                         |
| Lacing wire   | 2.20 / 3.20 mm                         |
| PVC thickness | nominal 0.50 mm, min. 0.40 mm          |

## Sizes

| Size L × W × H (m) | Volume (m³) | Diaphragms | Weight (kg) | Stone (t, approx.) |
|--------------------|-------------|------------|-------------|--------------------|
| 1.5 × 1 × 1        | 1.50        | 0          | 13.2        | 2.5                |
| 2 × 1 × 1          | 2.00        | 1          | 17.9        | 3.4                |
| 3 × 1 × 1          | 3.00        | 2          | 25.7        | 5.1                |
| 4 × 1 × 1          | 4.00        | 3          | 33.4        | 6.8                |
| 2 × 1 × 0.5        | 1.00        | 1          | 12.7        | 1.7                |
| 3 × 1 × 0.5        | 1.50        | 2          | 18.2        | 2.5                |
| 4 × 1 × 0.5        | 2.00        | 3          | 23.6        | 3.4                |
| 2 × 1 × 0.3        | 0.60        | 1          | 10.5        | 1.0                |
| 3 × 1 × 0.3        | 0.90        | 2          | 15.2        | 1.5                |
| 4 × 1 × 0.3        | 1.20        | 3          | 19.7        | 2.0                |

- Minimum zinc on the core wire (IS 16014:2024 Table 8, = IS 4826 heavy coated): 2.20 mm → 240 g/m², 2.70 mm → 260, 3.00 mm → 270, 3.40 mm → 270, 3.90 mm → 280.
- PVC jacket: nominal 0.50 mm, minimum 0.40 mm, over the same heavily galvanized core.
- Tolerances as the GI box. Weights include diaphragms and 3% lacing wire.

### Typical uses

River training and scour protection · flood embankments · coastal and estuarine works · industrial and mining sites · landscape walls

**Standard:** IS 16014:2024 · **Quality:** ISO 9001:2015, Cert. No. 305024011282Q  
**HSN:** 7314 42 10 · **GST:** 18%

