

## MAC.RO. SYSTEM - HR-PLATE HIGH PERFORMANCE ANCHOR PLATE FOR STEELGRID® HR SYSTEM

### Maccaferri Steelgrid® HR mesh kit

The new **Steelgrid® HR** System is an innovative complete system for geotechnical, rockfall mitigation and slope consolidation works. The **Steelgrid® HR** System combines a patented high strength steel wire mesh geocomposite which is used in conjunction with anchor plates, specific U-bolts and mesh connectors.

**Steelgrid® HR** is made by interweaving high tensile steel wire ropes longitudinally into high resistance double twist mesh during the manufacturing process to form a single geocomposite mesh product. The ropes lie straight within the finished mesh providing exceptional strength and stiffness (high strength at low strain).

**Steelgrid® HR** mesh is available in two specifications:

- **HR** (with a Class A Zn/Al - **Galmac®** - galvanised coating)
- **HR-PVC** (with Class A Zn/Al - **Galmac®** - coating and an additional PVC coating on both wires and ropes).

**Steelgrid® HR** and **HR-PVC** are available in a range of variants, 30, 50 and 100, each offering different strengths.

The **Steelgrid® HR** variants make this high strength and high stiffness (low displacement) geocomposite mesh suitable for a broad range of applications from high strength rockfall protection draperies to low-deflection pinned drapery installations and soil slope stabilisation.

To achieve optimum performance, the **Steelgrid® HR** mesh should be used with a range of carefully tested **kit-specific accessories** to form a complete system that is ready for installation.

### HR-Plate Mesh Anchor Plate

The **HR-Plate** is a high specification accessory, designed for use with pinned drapery and 'profile-bolted' installations of either **Steelgrid® HR** or **Steelgrid® HR-PVC**.

The individual performance of the **HR-Plate** and the combined performance of the mesh and the **HR-Plate** have been verified through extensive and rigorous testing carried out by respected, independent test institutions.

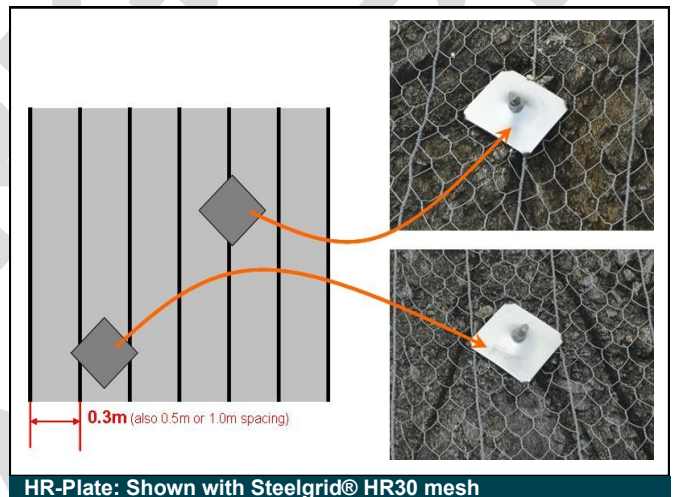
The plate has been precisely tailored to work with the high strength **Steelgrid® HR** meshes, enhancing system stiffness.

### HR-Plate Product Data:

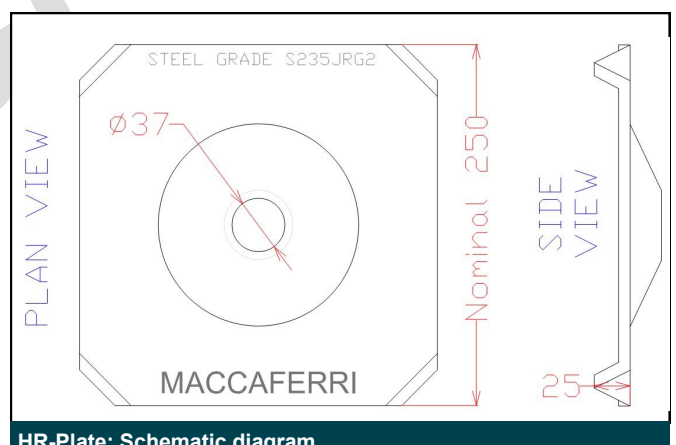
- Compatibility: **Steelgrid® HR & HR-PVC mesh**
- Plate Form: *Square plate with clawed corners*
- Plan Size: 250 mm x 250 mm \*
- Thickness: 8 mm \*
- Material Grade: S235JRG2 Steel to EN 10025
- Corrosion Protection: Hot dip zinc to EN ISO 1461
- Corrosion Protection Spec:  $\geq 500\text{g/m}^2$  ( $\geq 70$  microns)
- Weight: approx. 3.9 kg



HR-Plate: For use with Steelgrid HR and HR-PVC meshes



HR-Plate: Shown with Steelgrid® HR30 mesh



HR-Plate: Schematic diagram



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