

MAC.RO. SYSTEM - HR-GRIP HIGH PERFORMANCE ROPE GRIP FOR STEELGRID® HR MESH SYSTEM

Maccaferri Steelgrid® HR System

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 double twist mesh during the manufacturing process to form a single geocomposite mesh product. The ropes lie 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-Grip Rope Grip

The **HR-Grip** is used for the connection of the ropes to crest or toe line anchor ropes or other mesh panels during installations of **Steelgrid® HR** or **Steelgrid® HR-PVC**.

All the components of HR-Grip are galvanized to offer the optimum corrosion protection.

The HR-Grip is easily installed using standard hand tools; see Designer's Manual and On-Site Manual for full details..

HR-Grip Product Data:

- Compatibility: **Steelgrid® HR & HR-PVC mesh**
- Standards: *EN 13411-5*
- Corrosion Protection: non-electrolytically *galvanized according to EN ISO 1461 (table 4) and EN ISO 10684; or to EN 13858 (table 1) and EN ISO 10683 (table 3)*
- Salt spray ageing test (EN ISO 9227): *up to 600 hrs without showing red rust*



HR-Grip: used with Steelgrid HR and HR-PVC meshes



Steelgrid HR mesh



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