

MAC.RO. SYSTEM - HR-LINK HIGH STRENGTH CONNECTOR FOR STEELGRID® HR MESH 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-Link Mesh Connector

The **HR-Link** is an high performance, light-weight accessory used for the connection of adjacent mesh panels for installations of either **Steelgrid® HR** or **Steelgrid® HR-PVC**.

The **HR-Link** is available in either high tensile carbon steel with **Galmac®** coating or high tensile stainless steel versions for use with **Steelgrid® HR** and **HR-PVC** respectively.

Extensive research and development has determined the optimal form and dimensions for the **HR-Link**. The **HR-Link** is used to connect adjacent mesh panels without the use of tools. A simple hand-strength press-fit is all that is required.

HR-Link (Galmac®) Data:

- Compatibility: **Steelgrid® HR mesh** (**Galmac®**)
- Wire Material: *High Tensile Carbon Steel*
- Wire Diameter: *4.0 mm (+/- 0.1 mm)*
- Nominal Size: *50 mm x 20 mm*

HR-Link (Stainless) Data:

- Compatibility: **Steelgrid® HR PVC mesh**
- Wire Material: *High Tensile Stainless Steel*
- Wire diameter: *4.0 mm (+/- 0.1 mm)*
- Nominal Size: *50 mm x 20 mm*



HR-Link connector for use with the Steelgrid® HR mesh kit



HR-Link (Galmac®) connector used with Steelgrid® HR mesh



Steelgrid® HR mesh



n° 226/001

Officine Maccaferri S.p.A.

Via Kennedy, 10 - 40069 Zola Predosa (BO) - Italy
Tel. (+39) 051-6436000 - Fax (+39) 051-6436201

E-mail: comes@maccaferri.com www.officinemaccaferri.com

Bureau Veritas Certified Quality System Company with
Accredia's and UKAS's accreditation.