GBE rockfall protection barriers from 100 to 3000 kJ

THE ECONOMICAL SOLUTION TO ROCKFALL
The danger of rockfalls is increasing due to climate change. This was once restricted to mountainous regions, but expanding urban areas close to rocky slopes are increasingly at risk. Our GBE barriers are able to keep the anchoring forces very low thanks to our unique system design. This combined with an easy installation make the GBE series an extremely reliable and economical protection solution.
WE CAN PROVIDE YOU WITH THE COMPLETE SAFETY PACKAGE.

At your request we can take on the role of consultant, planner and even project manager. Both the solutions we offer and the quality of our customer service is valued by our customers. For us, excellent service is an integral part of every single project. No matter which phase of the project you are in, we will provide you with the support and expertise required to achieve the best results – saving you both time and money.
LIGHT, ROBUST, QUICK INSTALLATION — THE ECONOMICAL SOLUTION.

Comparison of rockfall protection systems

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Example: Components of the GBE-1000A barrier

- Bar anchor with FLEX head
- or spiral rope anchor
- Base plate
- U-brake
- Retaining rope
- Post
- TECCO® mesh
- Running wheel
QUALITY YOU CAN RELY ON.

Our GBE series is remarkable because of its cost efficiency while at the same time meeting the strictest safety standards. The low weight and low anchoring forces of this series enable a quick and inexpensive installation. Our meshes are made of high-tensile steel wire, ensuring the lowest weight-to-strength ratio to achieve high stability. This is why our systems are particularly unobtrusive in the landscape.

GBE barriers provide the following features:

**High-tensile steel wire mesh**
Protection against dynamic loads of up to 3000 kJ. Some of the energy is dissipated by means of elastic/plastic net deformation while the majority is dissipated by the braking elements.

**Low anchoring forces**
Short anchors are sufficient. This significantly lowers drilling time during installation and therefore the overall costs of the project.

**Pre-assembled**
The posts are delivered to the construction site as modules with pre-installed bundles of mesh. This significantly reduces the installation time as well as making the process easier.

**High safety standards**
Our barriers fulfill the EAD 340059-00-0106 (ETAG-027) guidelines, most of them bear the CE mark, and are tested according to the most demanding method in vertical free fall.

**U-brake with stainless steel**
This component enables linear energy dissipation and is easily accessible for inspection and maintenance. Stainless steel makes the brake extremely durable even when subjected to strain.

**Light and unobtrusive**
The low weight of the barrier means that it can be easily installed. With its high-tensile steel wire and innovative design, this solution conserves materials, protects the environment and is virtually invisible from a distance.

**First-class corrosion protection**
The corrosion protection of our systems will last for generations. This means that our customers benefit from particularly low maintenance costs.
WE DON'T LEAVE SAFETY TO CHANCE.

Our GBE systems are developed in Romanshorn, Switzerland and meet the highest standards. All energy categories for the GBE series are approved in accordance with European Directive ETAG 027.
PROVEN RELIABILITY WORLDWIDE.

More information is available on our website: www.geobrugg.com/rockfall