RXE rockfall protection barriers from 500 to 10000 kJ

MAXIMUM SAFETY
IN THE TIGHTEST OF SPACES
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. As conventional protective structures are often unable to withstand impacts, we have developed our RXE barriers. With their unique low deflection levels, they provide reliable protection for both people and infrastructure.
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.
FIRST-CLASS RESULTS IN ALL ENERGY CATEGORIES.

Comparison of rockfall protection systems

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<tr>
<th>Energy absorption capacity [kJ]</th>
<th>Protective embankments</th>
<th>Concrete galleries</th>
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<th>RXE Barriers</th>
<th>GBE Barriers</th>
<th>Fences 30 kJ</th>
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Example: Components of the RXE-1000 barrier

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

With our many years of experience as the market leader for rockfall protection solutions, our RXE series combines cutting-edge technology with high-tensile steel wire nets. With its **low weight, unobtrusive appearance, and exceptionally low deflection**, this barrier is an impressive solution allowing it to be installed in close proximity to infrastructure. The energy absorption capacity of the RXE-10000 barrier, for example corresponds to a boulder weighing 25 tons in vertical free fall hitting the net at over 100 km/h.

Our RXE barriers provide the following features:

- **High-tensile steel wire net**
  Protection against dynamic loads up to 10000 kJ. Some of the energy is dissipated by means of elastic/plastic net deformation while the majority is dissipated by the braking elements.

- **Low deformation**
  Testing that replicates field conditions has confirmed that this solution offers the lowest deflection on the market. This makes it ideal for installing in close proximity to at-risk objects.

- **Pre-assembled**
  The posts are delivered to the construction site as modules with pre-installed bundles of netting for easy installation (RXE-500 to RXE-3000 systems). This significantly reduces the installation time.

- **Highest standards worldwide**
  The only barriers to have been tested and approved according to ETAG 027 and in vertical free fall according to FOEN, the strictest regulation in the world.

- **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.
Nuestros sistemas se desarrollan en Romanshorn, Suiza. Las barreras RXE son conformes a las regulaciones más estrictas. Todas las categorías de energía son aprobadas de acuerdo con la directiva Suiza FOEN así como directiva europea ETAG 027.
PROVEN RELIABILITY WORLDWIDE.

Take a look at our RXE film on YouTube:
www.geobrugg.com/RXE-clip