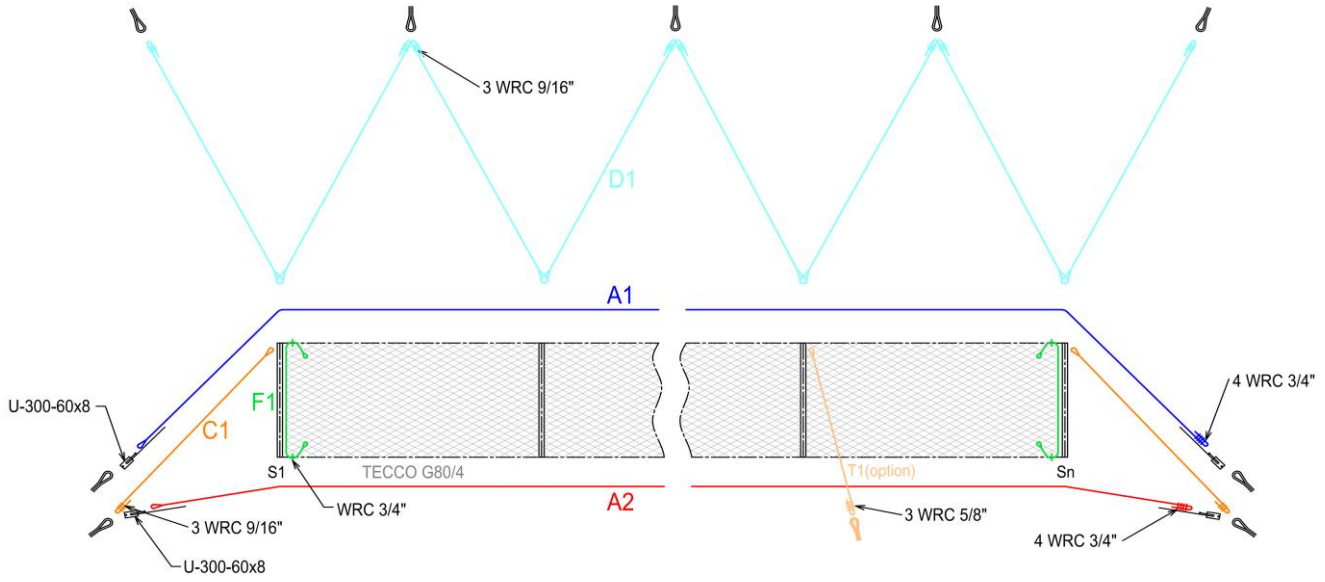
# TECHNICAL DATA SHEET

## Rockfall protection barrier GBE-1000A

| Certification details | | | |
|---|---|---|---|
| System drawing no. / Rope assembly no. | GS-1104 / GS-1105 | Residual height MEL / in % of tested height | 2.34 m / 61% |
| Total absorbed energy until total stopping of the block | 1264 kJ | Residual height SEL 33% / in % of tested height | 2.71 m / 70% |
| Kinetic energy of the block | 1001 kJ | Elongation MEL (acc. to ETAG 027) | 8.54 m |
| Energy class acc. EAD-340059-00-0106 | 3 | Braking distance MEL (FOEN) | 7.97 m |
| Energy class acc. FOEN | 3 | Braking distance SEL 50% (FOEN) | - |
| Swiss Guideline Certificate (FOEN) | Ja | Residual height (category) | Cat. A (> 50%) |
| European Technical Assessment (ETA) | ETA 09/0262 | | |
| Certificate of constancy of performance | 1301 - CPR - 0573 | **System Specification** | |
| Certification test layout | vertical drop | Mesh type / Net type | TECCO® G80/4 |
| Weight of test body | 3200 kg | LATERAL Characteristic anchor force | 150 kN |
| Tested heights | 4.0 m | UPSLOPE ANCHOR ROPES Characteristic anchor force | 100 kN |
| Certified heights acc. ETA | 4.0 - 5.0 m | Standard heights | 3.0 / 4.0 / 5.0 / 6.0 m |
| Certified heights acc. FOEN | 4.0 - 6.0 m | Post spacing (min. / max.) | 6 - 12 m |

**GBE-1000A**




Details see installation manual

Rockfall, slides, mudflows and avalanches are natural events and therefore cannot be calculated. This is why it is impossible to determine or guarantee absolute safety for persons and property with scientific methods. This means that to provide the protection we strive for, it is imperative to maintain and service protective systems regularly and appropriately. Moreover, the degree of protection can be diminished by events that exceed the absorption capacity of the system as calculated to good engineering practice, failure to use original parts or corrosion (i.e., from environmental pollution or other outside influences).