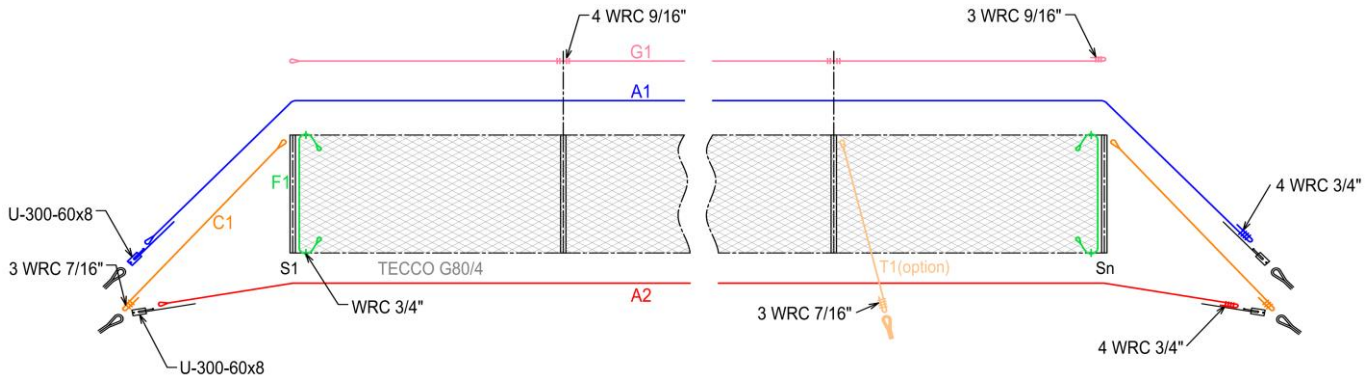
TECHNICAL DATA SHEET

Rockfall protection barrier GBE-500A-R

Certification details			
System drawing no. / Rope assembly no.	GS-1122 / GS-1123	Residual height MEL / in % of tested height	1.71 m / 58%
Total absorbed energy until total stopping of the block	631 kJ	Residual height SEL 33% / in % of tested height	2.14 m / 73%
Kinetic energy of the block	546 kJ	Elongation MEL (acc. to ETAG 027)	5.47 m
Energy class acc. EAD-340059-00-0106	2	Braking distance MEL (FOEN)	-
Energy class acc. FOEN	-	Braking distance SEL 50% (FOEN)	-
Swiss Guideline Certificate (FOEN)	-	Residual height (category)	Cat. A (> 50%)
European Technical Assessment (ETA)	ETA 16/0329		
Certificate of constancy of performance	1301 - CPR - 1172	**System Specification**	
Certification test layout	vertical drop	Mesh type / Net type	TECCO® G80/4
Weight of test body	1600 kg	LATERAL Characteristic anchor force	130 kN
Tested heights	3.0 m	UPSLOPE ANCHOR ROPES Characteristic anchor force	-
Certified heights acc. ETA	3.0 - 3.5 m	Standard heights	2.0 / 3.0 / 3.5 / 4.0 m
Certified heights acc. FOEN	-	Post spacing (min. / max.)	6 - 12 m

GBE-500A-R



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).