

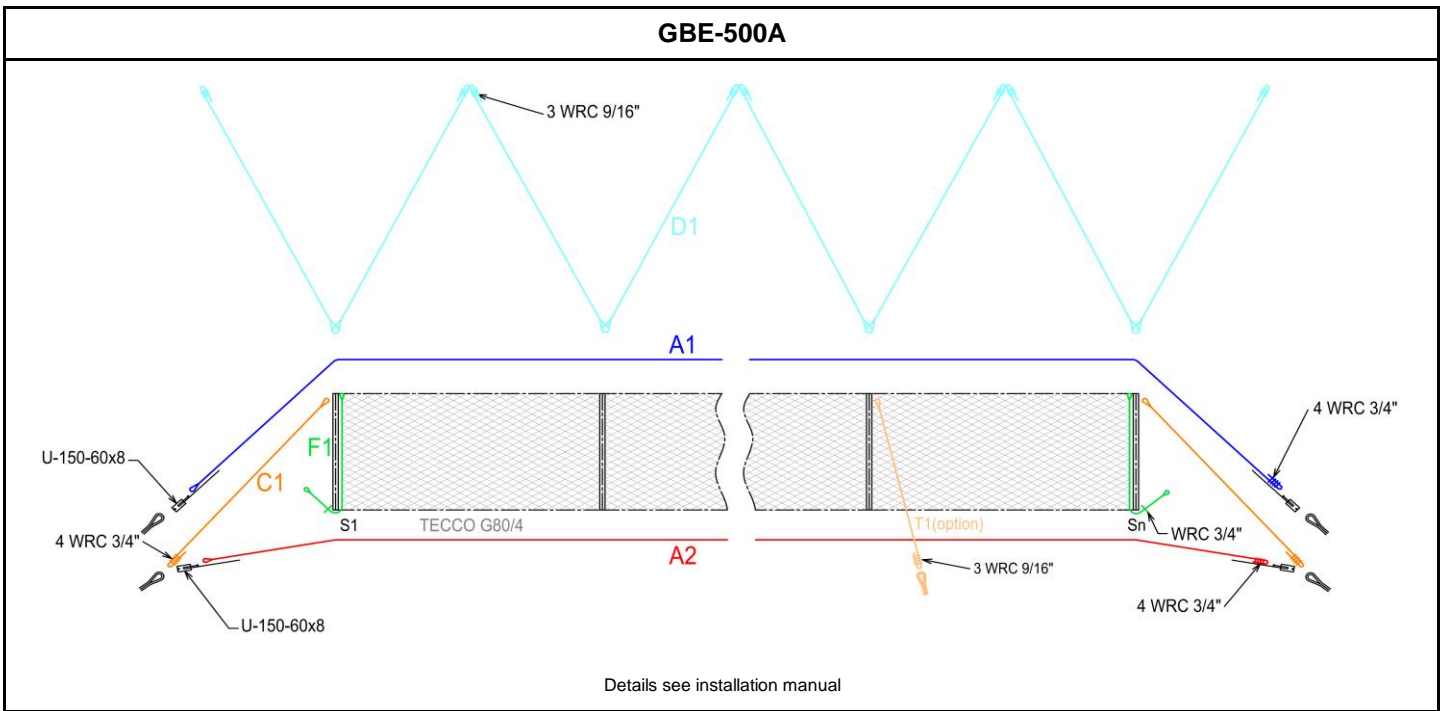
TECHNICAL DATA SHEET

Rockfall protection barrier GBE-500A

Certification details

System drawing no. / Rope assembly no.	GS-1100 / GS-1101	Residual height MEL / in % of tested height	1.96 m / 69%
Total absorbed energy until total stopping of the block	581 kJ	Residual height SEL 33% / in % of tested height	2.03 m / 71%
Kinetic energy of the block	504 kJ	Elongation MEL (acc. to ETAG 027)	4.95 m
Energy class acc. EAD-340059-00-0106	2	Braking distance MEL (FOEN)	5.22 m
Energy class acc. FOEN	2	Braking distance SEL 50% (FOEN)	-
Swiss Guideline Certificate (FOEN)	81FE-010121-L04-06-BB-01	Residual height (category)	Cat. A (> 50%)
European Technical Assessment (ETA)	ETA 09/0085		
Certificate of constancy of performance	1301 - CPR - 0572	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	70 kN
Certified heights acc. ETA	3.0 - 3.5 m	Standard heights	2.0 / 3.0 / 3.5 / 4.0 / 4.5 / 5.0 m
Certified heights acc. FOEN	3.0 - 4.5 m	Post spacing (min. / max.)	6 - 12 m

GBE-500A



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).