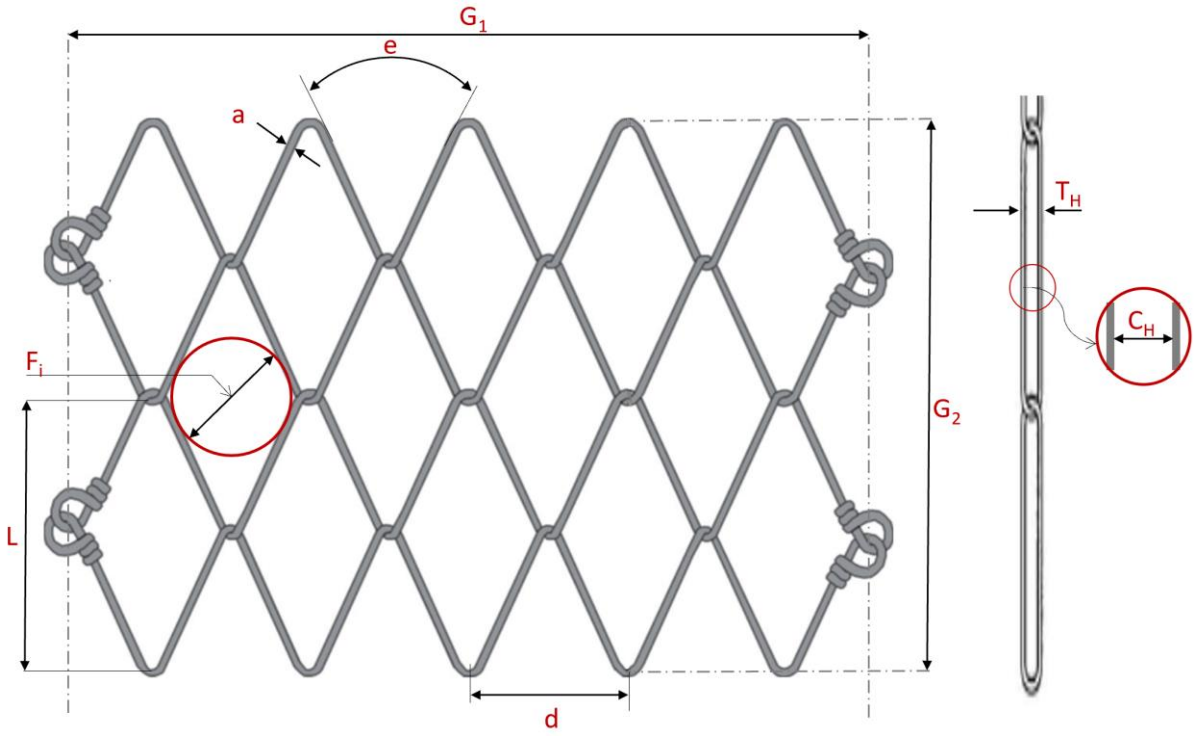
MineMat™

TECHNICAL DATA SHEET

GEO EQUIP AFRICA
G E A ROCK & SLOPE STABILIZATION PRODUCTS

HIGH TENSILE STEEL WIRE MESH	80 x 3mm	80 x 4mm
[Mesh]		
Mesh shape:	Rhomboid	
Diagonal: (± 3%) tolerance	d · L = 107 · 177 mm	d · L = 102 · 177 mm
Mesh width: (± 3%) tolerance	Fi = 80 mm	
Angle of mesh:	e = 49°	
Total height of mesh: (± 1.5%) tolerance	T_h = 12.5 mm	T_h = 15 mm
Clearance of mesh: (± 1.5%) tolerance	C_h = 6.5 mm	C_h = 7 mm
Number of meshes longitudinal:	G2 = 5,6 pcs/m	
Number of meshes transversal:	G1 = 9,8 pcs/m	
[Steel Wire]		
Wire diameter:	a = 3.0 mm	a = 4.0 mm
Tensile strength:	ft ≥ 1'770 N/mm²	
Material:	SafeT-Mesh™ High-Tensile Steel Wire	
[Corrosion Protection]		
Corrosion protection:	GRADE A	
Compound:	95% Zn / 5% Al	
Coating:	min. 150 g/m2	
[Load Capacity]		
Tensile strength of mesh:		
Longitudinal:	Z_k ≥ 110 kN/m	Z_k ≥ 190 kN/m
Transversal:	Z_q ≥ 45 kN/m'	Z_q ≥ 70 kN/m



HIGH TENSILE STEEL

"For dynamic ground support applications"

SafeT-Mesh™

Ref. Docs: | *Independent rest reports (University Mandela Bay, South Africa)* | *Factory test reports (Documentation)*

Sales@GeoEquipAfrica.com | www.GeoEquipAfrica.com | WhatsApp: +27(0)82 650 4348 | Mobile: +27(0)82 443 1944 | Office: +27(0)11 867 6766

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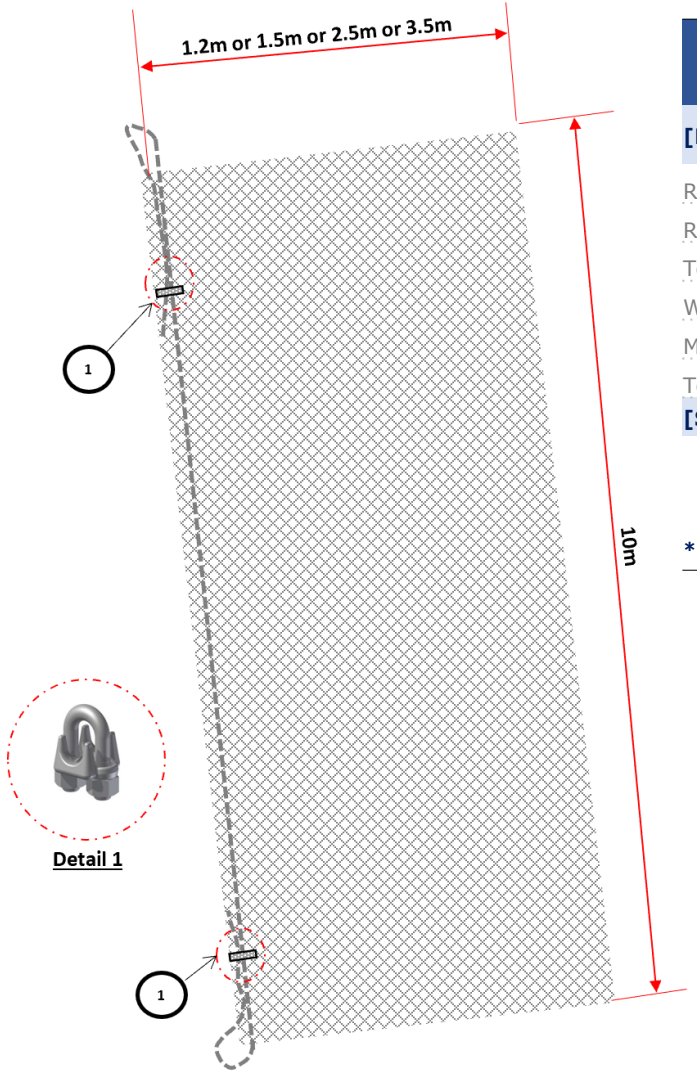
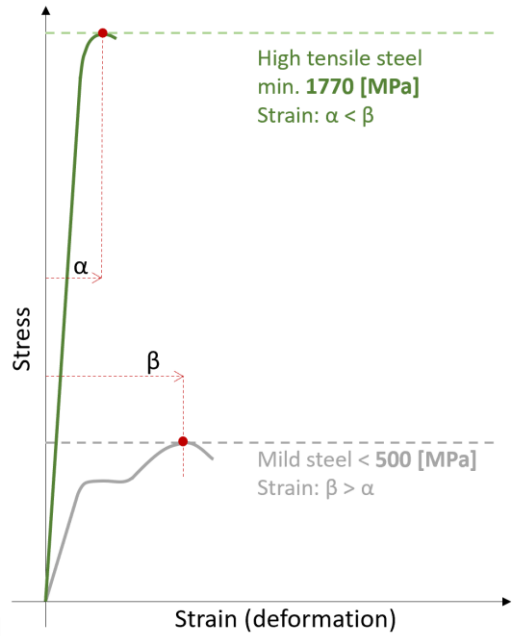
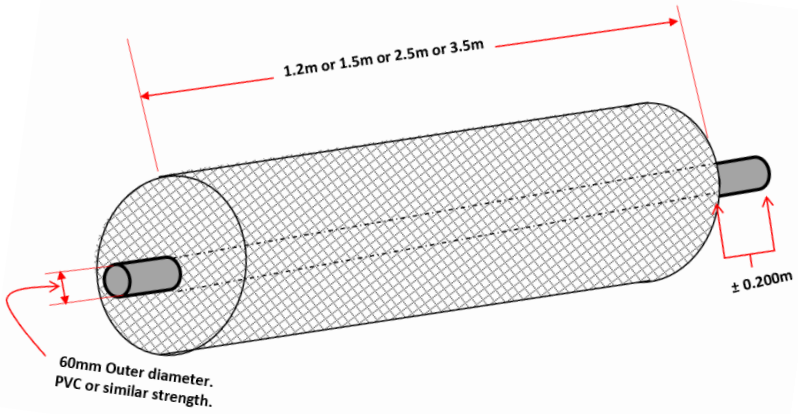


HIGH TENSILE STEEL WIRE MESH	80 x 3mm	80 x 4mm
[Mesh Mat (panel)]		
Roll width**:	1.2m | 1.5m | 2.5 m	
Roll Length:	10m	
Total surface per roll:	12m² | 15m² | 25m²	
Weight per m²:	1.45 kg/m²	2.6 kg/m²
Mesh edges:	Knotted Ends	
Total Mat (panel) Weight (excl. cable)	17.4Kg | 21.8kg | 36.3kg	31.2Kg | 39kg | 65kg
[Steel Wire Rope] (6 x 36 Galvanized I.W.R.C)		
Nominal Diameter [mm²]	Approx. mass [kg/m]	Min. Breaking Load (1770Mpa)
8	0.262	40.3kN or 4113kg

**Varying roll dimensions for Underground Mining & Special Project applications can be considered.





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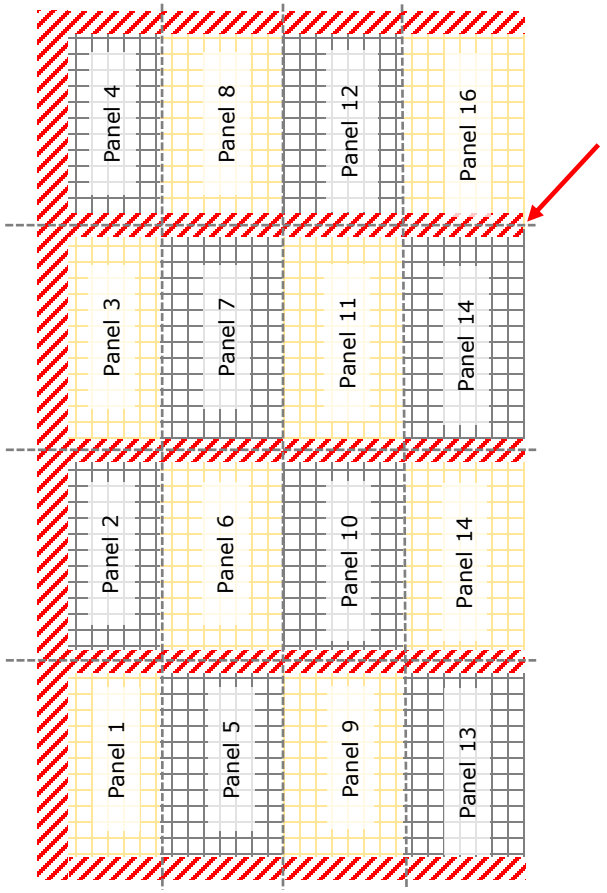
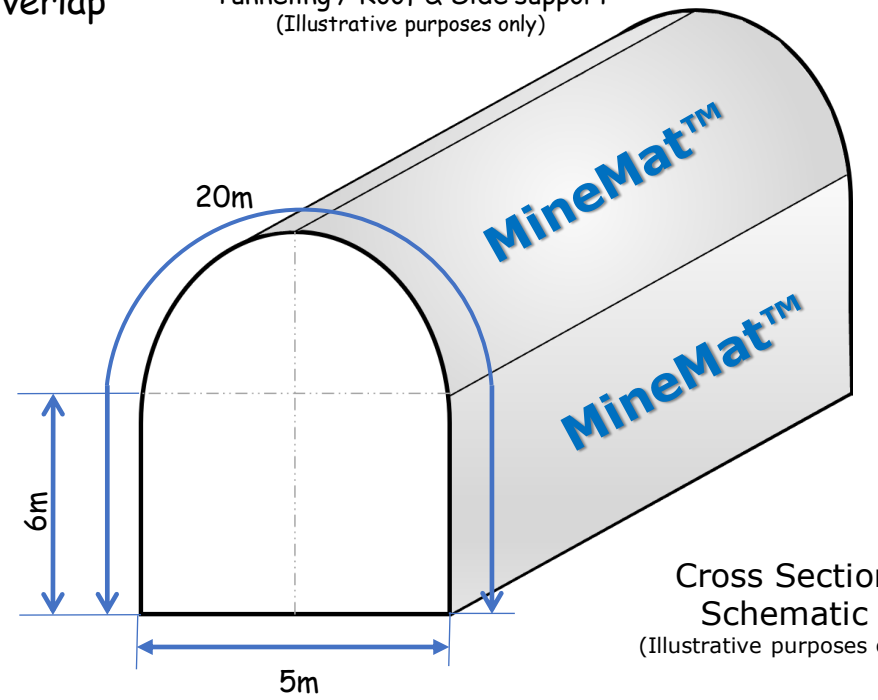
Welded Mesh



Overlap

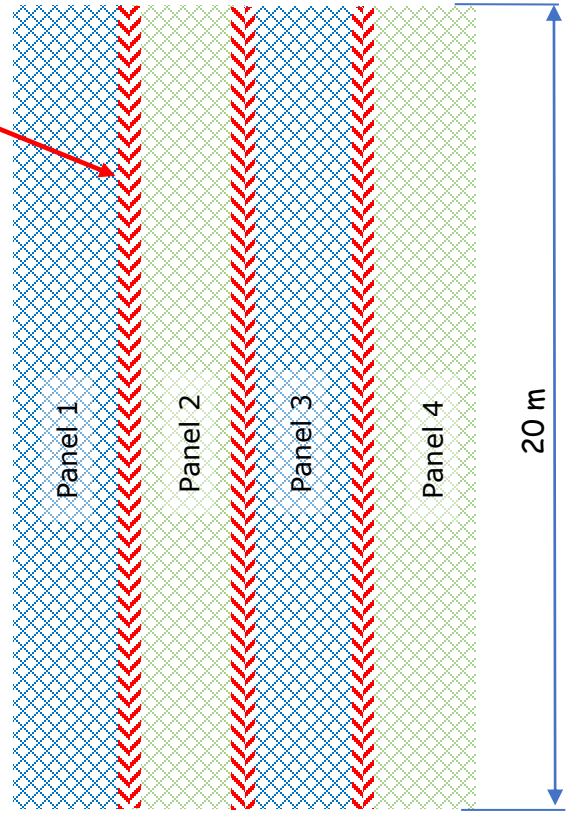
Tunneling / Roof & Side support
(Illustrative purposes only)



Cross Section Schematic
(Illustrative purposes only)

MineMat™

Overlap



- ✓ **4 times more overlap area compared to** MineMat™
- ✓ Rigid and tricky handling
- ✓ Anchors to be carefully placed per panel section

SafeT-Mesh™

- ✓ **Practically: minimal overlapping of mesh = less wastage**
- ✓ Flexible system = Ease of installation
- ✓ Fewer seams and overlaps = fewer weak zones
- ✓ Ease of anchoring due to continuous panel / mat

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