

TECHNICAL DATA SHEET

High Tensile Steel | 80/3 | 80/4 | 65/3 | 65/4 |

| Slope Stabilization | Underground Mine Support | Tunneling | Passive Drape Systems | Active Pinned Systems |



HIGH TENSILE STEEL WIRE MESH	80 x 3mm	80 x 4mm	65 x 3mm	65 x 4mm
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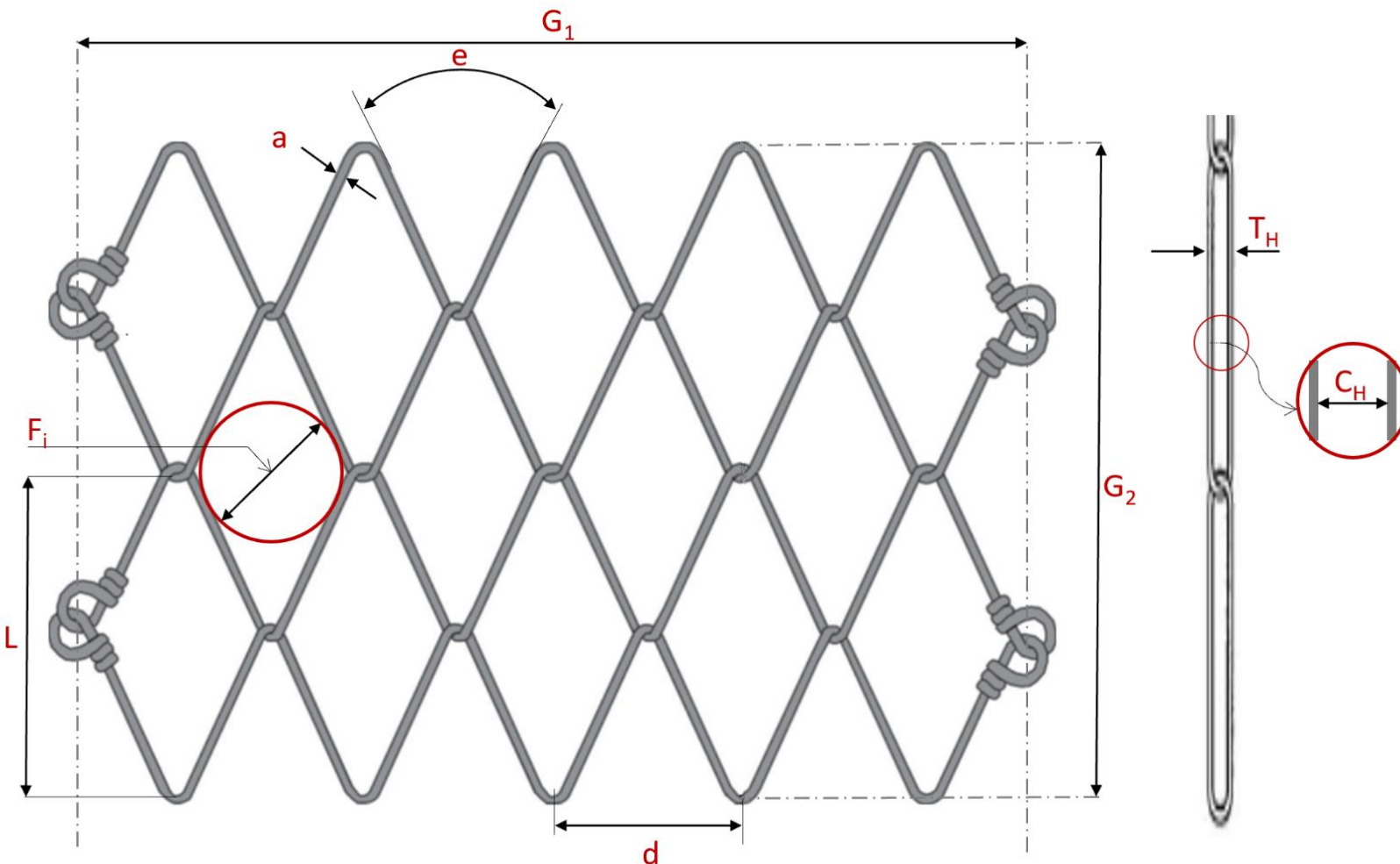
[Steel Wire]

Wire diameter:	a = 3.0 mm	a = 4.0 mm	a = 3.0 mm	a = 4.0 mm
Tensile strength:	ft ≥ 1'770 N/mm ²	ft ≥ 1'770 N/mm ²	ft ≥ 1'770 N/mm ²	ft ≥ 1'770 N/mm ²
Material:	High-Tensile Steel Wire	High-Tensile Steel Wire	High-Tensile Steel Wire	High-Tensile Steel Wire
Tensile resistance of a wire:	Zw = 12.5 kN	Zw = 22.0 kN	Zw = 12.5 kN	Zw = 22 kN

HIGH TENSILE STEEL WIRE MESH	80 x 3mm	80 x 4mm	65 x 3mm	65 x 4mm
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[Corrosion Protection]

Corrosion protection:	GRADE A	GRADE A	GRADE A	GRADE A
Compound:	95% Zn / 5% Al	95% Zn / 5% Al	95% Zn / 5% Al	95% Zn / 5% Al
Coating:	min. 150 g/m ²	min. 150 g/m ²	min. 150 g/m ²	min. 150 g/m ²
Corrosion protection:	GRADE A	GRADE A	GRADE A	GRADE A



HIGH TENSILE STEEL

"For dynamic ground support applications"

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[Mesh]

Mesh shape:	Rhomboid	Rhomboid	Rhomboid	Rhomboid
Diagonal:	d · L = 107 · 177 mm (+/- 3%)	d · L = 102 · 177 mm (+/- 3%)	d · L = 83 · 143 mm (+/- 3%)	d · L = 83 · 138 mm (+/- 3%)
Mesh width:	Fi = 80 mm (+/- 3%)	Fi = 80 mm (+/- 3%)	Fi = 65 mm (+/- 3%)	Fi = 63 mm (+/- 3%)
Angle of mesh:	e = 49°	e = 49°	e = 49°	e = 49°
Total height of mesh:	Th = 12.5 mm (+/- 1,5 mm)	Th = 15 mm (+/- 1 mm)	Th = 11.0 mm (+/- 1 mm)	Th = 15 mm (+/- 1 mm)
Clearance of mesh:	Ch = 6.5 mm (+/- 1,5 mm)	Ch = 7 mm (+/- 1,5 mm)	Ch = 5.0 mm (+/- 1 mm)	Ch = 7 mm (+/- 1 mm)
Number of meshes longitudinal:	G2 = 5,6 pcs/m	G2 = 5,6 pcs/m	G2 = 7 pcs/m	G2 = 7.2 pcs/m
Number of meshes transversal:	G1 = 9,8 pcs/m	G1 = 9,8 pcs/m	G1 = 12 pcs/m	G1 = 12 pcs/m

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[Mesh Roll]

Roll width**:	3.9 m 3,5 m	3.5 m	3.5 m	3.5 m
Roll Length:	30 m 30 m	30 m	30 m	20 m
Total surface per roll:	117 m ² 105 m ²	105 m ²	105 m ²	70 m ²
Weight per m ² :	1.45 kg/m ² 1.45 kg/m ²	2.6 kg/m ²	1.65 kg/m ²	3.3 kg/m ²
Mesh edges:	Double Knotted Ends	Double Knotted Ends	Double Knotted Ends	Double Knotted Ends
Total Roll Weight	169,65Kg 152,25Kg	273 Kg	190,71Kg	231 Kg

**Narrower width rolls available for Underground Mining & Special Project applications.



HIGH TENSILE STEEL WIRE MESH	80 x 3mm	80 x 4mm	65 x 3mm	65 x 4mm
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[Load Capacity]

Tensile strength of mesh:	Longitudinal: Zk ≥ 110 kN/m'	Longitudinal Zk ≥ 190 kN/m'	Zk ≥ 150 kN/m'	Zk ≥ 250 kN/m'
	Transversal: Zq ≥ 45 kN/m'	Transversal Zq ≥ 70 kN/m'		