

TECHNICAL DATA SHEET

High-tensile Rockfall Protection Netting DELTAX® G80/2

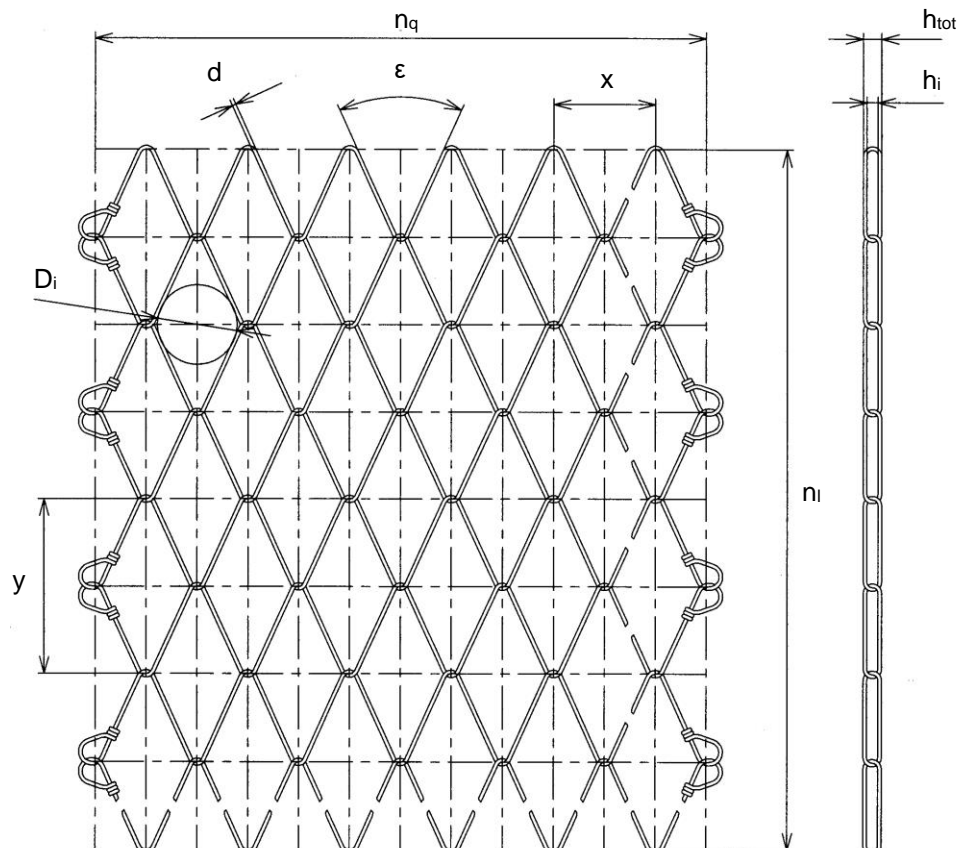
DELTA [®] high-tensile rockfall protection netting ¹⁾		DELTA [®] steel wire	
Mesh shape:	rhomboid	Wire diameter:	$d = 2.0 \text{ mm}$ ³⁾
Diagonal:	$x \cdot y = 101 \cdot 175 \text{ mm (+/-5%)}$	Tensile strength:	$f_t \geq 1'770 \text{ N/mm}^2$ ⁴⁾
Mesh width:	$D_i = 82 \text{ mm (+/-5%)}$	Material:	high-tensile steel wire
Angle of mesh:	ϵ ca. 53 degrees	Tensile resistance of a wire:	$Z_w = 5.5 \text{ kN}$
Total height of mesh:	$h_{\text{tot}} = 8 \text{ mm (+/-1 mm)}$	DELTA [®] corrosion protection ⁵⁾	
Clearance of mesh:	$h_i = 4 \text{ mm (+/-1 mm)}$	Corrosion protection:	GEOBRUGG ULTRACOATING [®]
No. of meshes longitudinal:	$n_l = 5.7 \text{ pcs/m}$	Compound:	94.5% Zn / 5% Al + 0.5% special add-on
No. of meshes transversal:	$n_q = 9.9 \text{ pcs/m}$	Salt spray performance: ⁶⁾	5% dark brown rust after > 2500 hours cp. Galfan ca. 800 h

Load capacity	
Tensile strength of mesh longitudinal:	$z_l \geq 53 \text{ kN/m}^2$ ²⁾

- ¹⁾ according to EN 10223-6
- ²⁾ referring to LGA test report 12/2009
- ³⁾ according to EN 10218
- ⁴⁾ according to EN 10264-2 / EN 10016-1 and -2
- ⁵⁾ according to EN 10244-2
- ⁶⁾ according to EN ISO 9227

DELTA [®] mesh standard roll	
Roll width:	$b_{\text{Roll}} = 3.9 \text{ m}$
Roll length:	$l_{\text{Roll}} = 30 \text{ m (on request until 100 m)}$
Total surface per roll:	$A_{\text{Roll}} = 117 \text{ m}^2$
Weight per m ² :	$g = 0.65 \text{ kg/m}^2$
Weight per mesh roll:	$G_{\text{Roll}} = 76 \text{ kg}$
Mesh edges:	mesh ends knotted

DELTA[®] G80/2



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).