CE European Technical Approval ETA-17/0116

BRUGG Geobrugg

TECHNICAL DATA SHEET

High-tensile Rockfall Protection Netting DELTAX® G80/2

DELTAX® high-tensile rockfall protection netting [1]	
Mesh shape:	rhomboid
Diagonal:	x · y = 101 · 175 mm (+/-5%)
Mesh width:	D_i = 82 mm (+/-5%)
Angle of mesh:	ε ca. 53 degrees
Total height of mesh:	h_{tot} = 8 mm (+/-1 mm)
Clearance of mesh:	h_i = 4 mm (+/-1 mm)
No. of meshes longitudinal:	n_l = 5.7 pcs/m
No. of meshes transversal:	n_q = 9.9 pcs/m

Load capacity	
Tensile strength of mesh longitudinal:	$z_l \geq$ 53 kN/m' [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

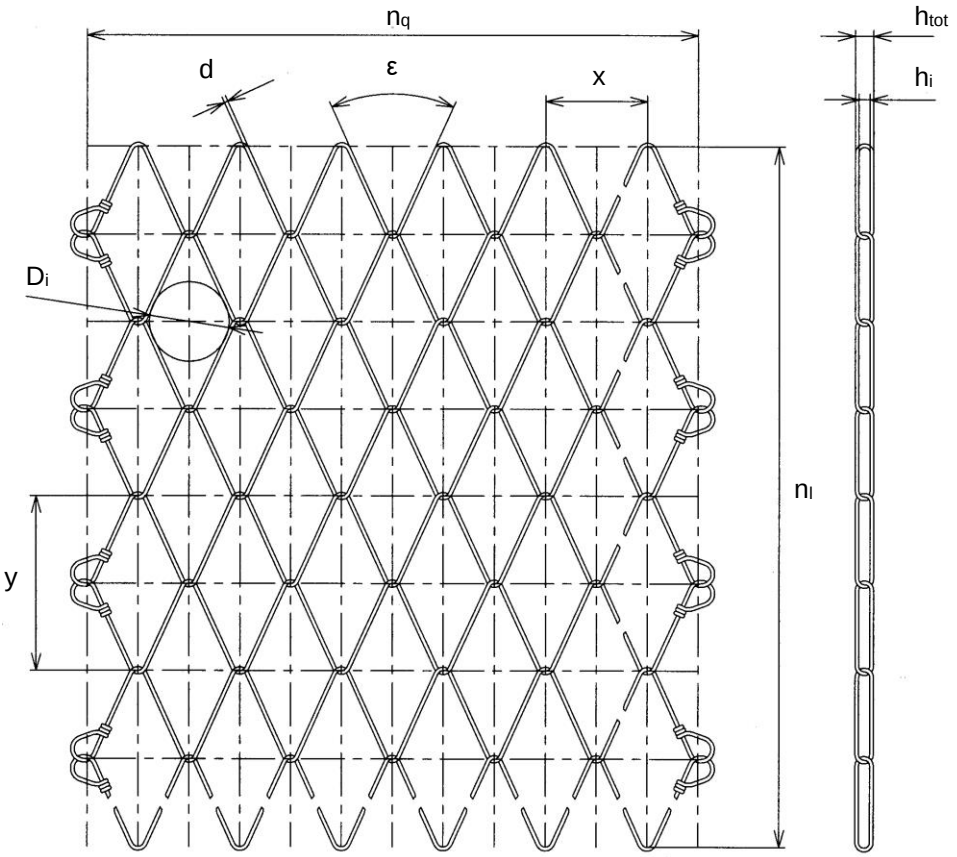
[6] according to EN ISO 9227

DELTAX® steel wire	
Wire diameter:	d = 2.0 mm [3]
Tensile strength:	$f_t \geq$ 1'770 N/mm² [4]
Material:	high-tensile steel wire
Tensile resistance of a wire:	Z_w = 5.5 kN

DELTAX® corrosion protection [5]	
Corrosion protection:	GEOBRUGG ULTRACOATING
Compound:	94.5% Zn / 5% Al + 0.5% special add-on
Salt spray performance:[6]	5% dark brown rust after > 2500 hours cp. Galfan ca. 800 h

DELTAX® mesh standard roll	
Roll width:	b_{Roll} = 3.9 m
Roll length:	l_{Roll} = 30 m (on request until 100 m)
Total surface per roll:	A_{Roll} = 117 m²
Weight per m²:	g = 0.65 kg/m²
Weight per mesh roll:	G_{Roll} = 76 kg
Mesh edges:	mesh ends knotted

DELTAX® 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).

Small deviations from the mesh geometry as well as shape and other modifications are subject to change without notice