CE European Technical Approval ETA-19/0083

GEOBRUGG BRUGG
Safety is our nature

TECHNICAL DATA SHEET

High-tensile steel wire mesh DELTAX® G80/2 STAINLESS

DELTAX® high-tensile rockfall protection netting	
Mesh shape:	rhomboid
Diagonal:	x · y = 101 · 175 mm (+/-5%)
Mesh width:	D_i = 82 mm (+/-5%)
Angle of mesh:	ε = 53°
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

DELTAX® steel wire	
Wire diameter:	d = 2.0 mm
Tensile strength:	$f_t \geq 1'650$ N/mm²
Material:	high-tensile steel wire
Tensile resistance of a wire:	Z_w = 5.2 kN

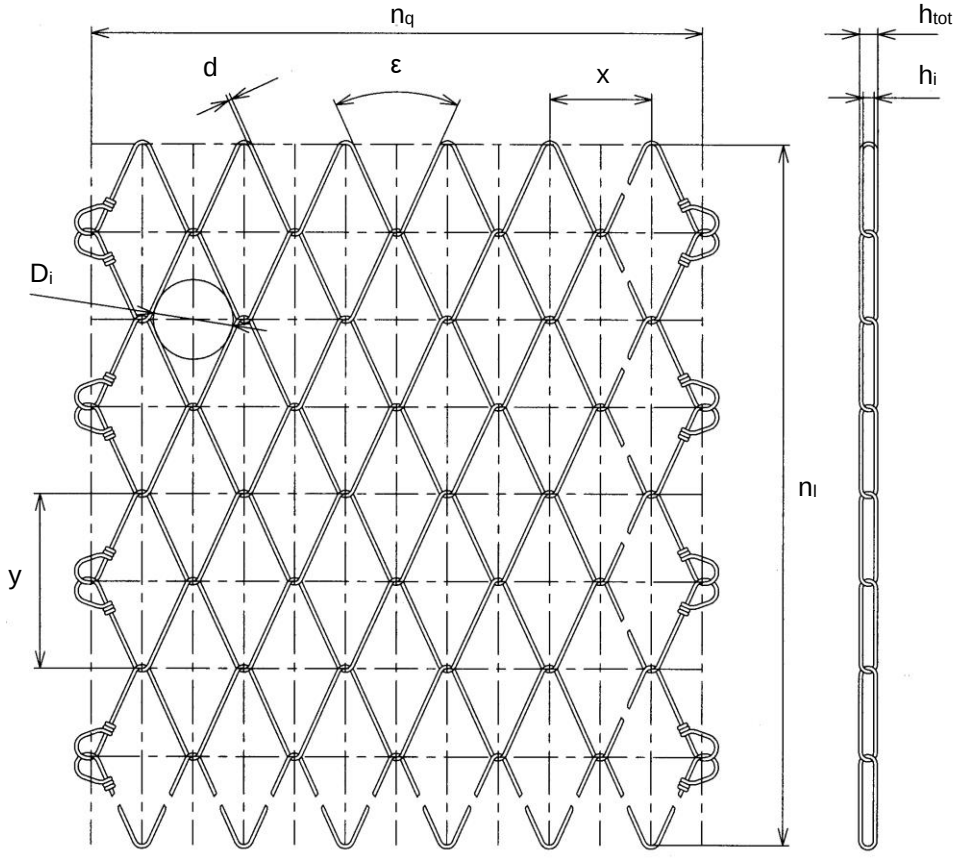
DELTAX® corrosion protection	
STAINLESS (INOX):	1.4462 (AISI 318)

Load capacity	
Tensile strength of mesh longitudinal:	$z_l \geq 45$ kN/m'

DELTAX® mesh roll	
Roll width:	b_{Roll} = 3.9 m
Roll length:	l_{Roll} = 30 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

Stainless steel wire may get in contact with black steel in all stages of the process (manufacturing, transport, stocking, installation). Therefore, it cannot be excluded that partially signs of surface corrosion may be visible.

DELTAX® G80/2 STAINLESS



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.