

## TECHNICAL DATA SHEET

# High-tensile Rockfall Protection Netting DELTAX® G80/2

DELTA <sup>®</sup> high-tensile rockfall protection netting	
Mesh shape:	rhomboid
Diagonal:	$x \cdot y = 3.98 \cdot 6.89$ in (+/-5%)
Mesh width:	$D_i = 3.15$ in (+/-5%)
Angle of mesh:	$\epsilon$ ca. 53 degrees
Total height of mesh:	$h_{tot} = 0.31$ in (+/- 0.04 in)
Clearance of mesh:	$h_i = 0.16$ in (+/- 0.04 in)
No. of meshes longitudinal:	$n_l = 1.74$ pcs/ft
No. of meshes transversal:	$n_q = 3.02$ pcs/ft

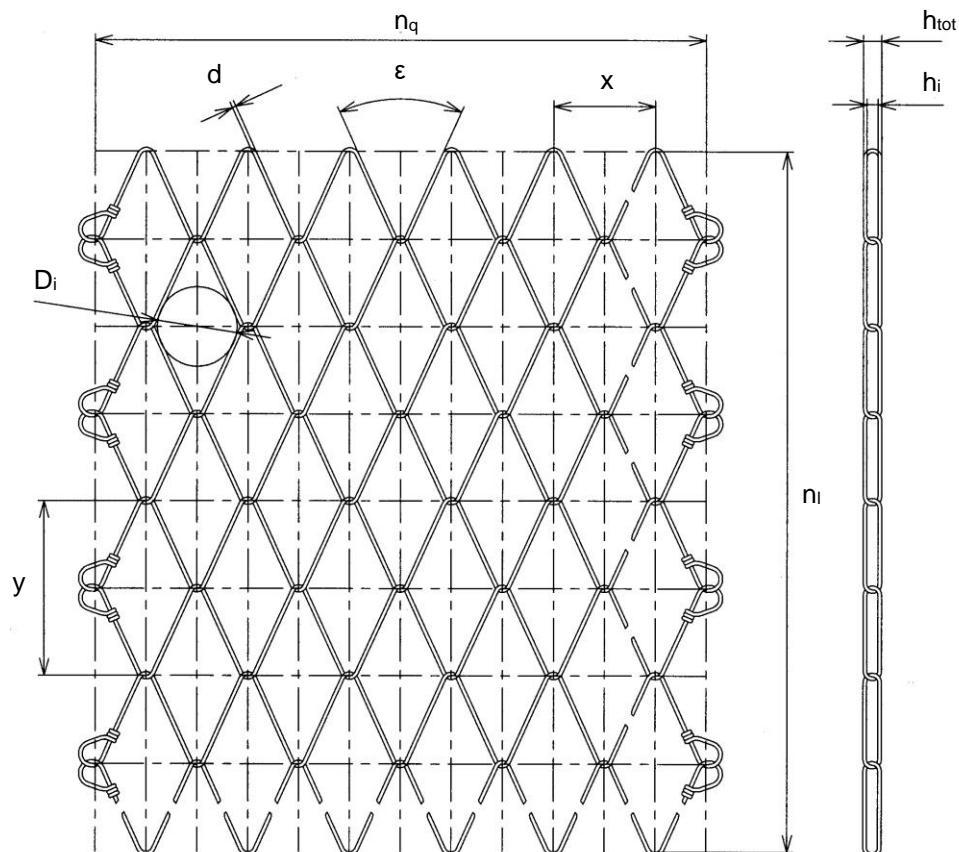
Load capacity	
Tensile strength of mesh longitudinal:	$z_l \geq 3.64$ kips/ft <sup>1)</sup>

<sup>1)</sup> referring to LGA test report 12/2009

DELTA <sup>®</sup> steel wire	
Wire diameter:	$d = 0.079$ in
Tensile strength:	$f_t \geq 256$ ksi
Material:	high-tensile steel wire
Tensile resistance of a wire:	$Z_w = 1.2$ kips

DELTA <sup>®</sup> corrosion protection	
Corrosion protection:	GEOBRUGG SUPERCOATING
Compound:	95% Zn / 5% Al
Coating:	min. 0.3 oz/ft <sup>2</sup>

DELTA <sup>®</sup> mesh standard roll	
Roll width:	$b_{Roll} = 12.8$ ft
Roll length:	$l_{Roll} = 98.4$ ft (on request until 328 ft)
Total surface per roll:	$A_{Roll} = 1260$ ft <sup>2</sup>
Weight per ft <sup>2</sup> :	$g = 0.13$ lbs/ft <sup>2</sup>
Weight per mesh roll:	$G_{Roll} = 164$ lbs
Mesh edges:	mesh ends knotted



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).