

TECHNICAL DATA SHEET

**High-tensile steel wire mesh TECCO® G80/4**

TECCO® high-performance steel wire mesh	
Mesh shape:	rhomboid
Diagonal:	$x \cdot y = 4.02 \cdot 6.97$ in (+/- 3%)
Mesh width:	$D_i = 3.15$ in (+/- 3%)
Angle of mesh:	$\epsilon = 49$ degrees
Total height of mesh:	$h_{tot} = 0.59$ in (+/- 10%)
Clearance of mesh:	$h_i = 0.28$ in (+/- 10%)
No. of meshes longitudinal:	$n_l = 1.72$ pcs/ft
No. of meshes transversal:	$n_q = 2.99$ pcs/ft

TECCO® steel wire	
Wire diameter:	$d = 0.157$ in
Tensile strength:	$f_t \geq 256$ ksi
Material:	high-tensile steel wire
Tensile resistance of a wire:	$Z_w = 4.9$ kips

TECCO® corrosion protection **)	
Corrosion protection:	GEOBRUGG SUPERCOATING
Compound:	95% Zn / 5% Al
Coating:	min. 0.0256 lb/ft <sup>2</sup>

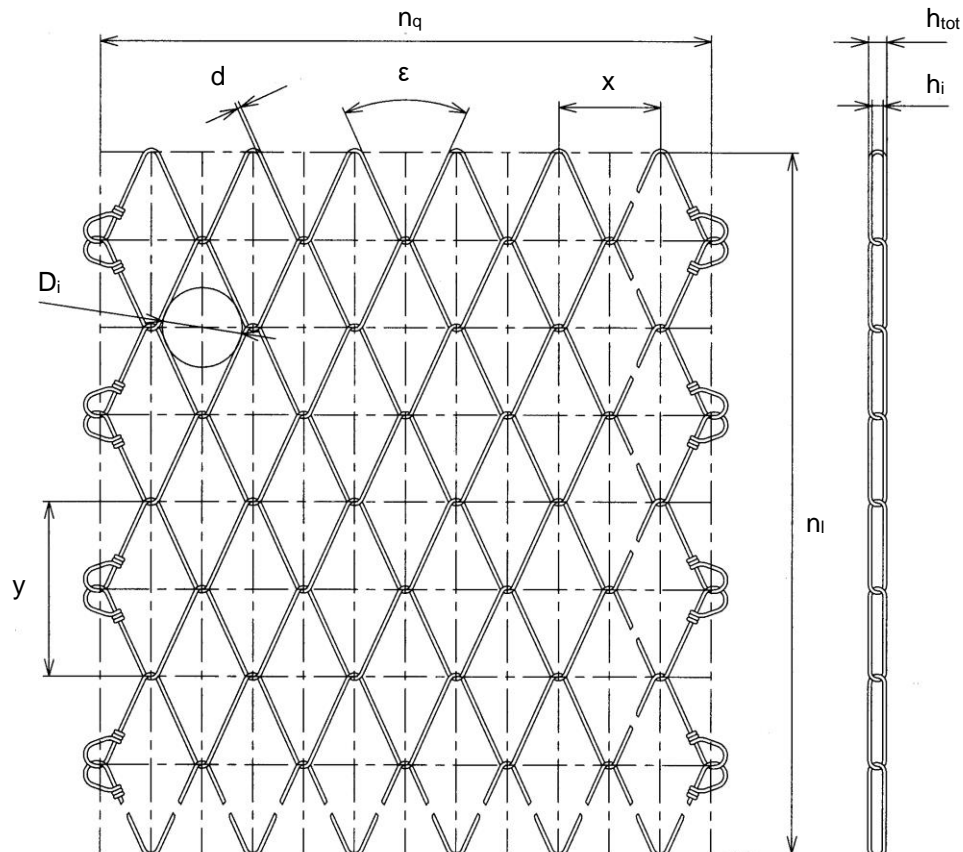
Load capacity (standard version)	
Tensile strength of mesh longitudinal:	$z_l \geq 13.0$ kips/ft *)
Tensile strength of mesh transversal:	$z_q \geq 4.8$ kips/ft *)

TECCO® mesh standard roll	
Roll width:	$b_{Roll} = 10.8$ ft
Roll length:	$l_{Roll} = 134.5$ ft
Total surface per roll:	$A_{Roll} = 1453$ ft <sup>2</sup>
Weight per ft <sup>2</sup> :	$g = 0.532$ lbs/ft <sup>2</sup>
Weight per mesh roll:	$G_{Roll} = 773$ lbs
Mesh edges:	mesh ends knotted

\*) referring to LGA test report 05/2009

\*\*\*) Next to the standard version with Zn/Al coating, the high-tensile steel wire mesh is also available in stainless steel (INOX) in 1.4462 (AISI 316) sea water resistant.

TECCO® G80/4



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).