

TECHNICAL DATA SHEET

**High-tensile steel wire mesh TECCO® G65/4**

TECCO® high-performance steel wire mesh	
Mesh shape:	rhomboid
Diagonal:	$x \cdot y = 3.27 \cdot 5.43 \text{ in } (+/- 3\%)$
Mesh width:	$D_i = 2.56 \text{ in } (+/- 3\%)$
Angle of mesh:	$\epsilon = 49^\circ$
Total height of mesh:	$h_{tot} = 0.59 \text{ in } (+/- 10\%)$
Clearance of mesh:	$h_i = 0.28 \text{ in } (+/- 10\%)$
No. of meshes longitudinal:	$n_l = 2.21 \text{ pcs/ft}$
No. of meshes transversal:	$n_q = 3.67 \text{ pcs/ft}$

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

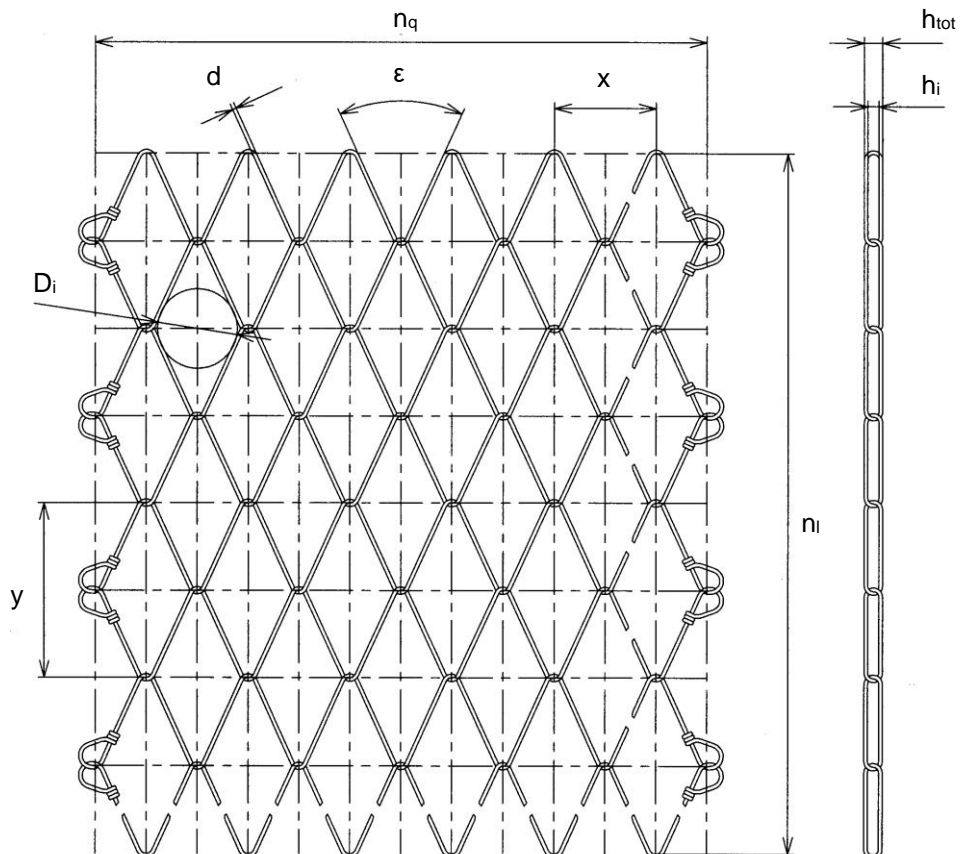
TECCO® corrosion protection	
Corrosion protection:	GEOBRUGG SUPERCOATING®
Compound:	95% Zn / 5% Al
Coating:	min. 0.0256 lb/ft <sup>2</sup>
≤ 5% dark brown rust in salt spray test according to EN ISO 9227:	1400 hours (ETA-17/0117)

Load capacity	
Tensile strength of mesh:	$z_k \geq 17.1 \text{ kips/ft } ^*)$
Bearing resistance against puncturing:	$D_R \geq 62.9 \text{ lips } / 83.2 \text{ kips } ^*)$
Bearing resistance against shearing-off:	$P_R \geq 31.5 \text{ kips } / 41.6 \text{ kips } ^*)$
Bearing resistance against slope-parallel tensile stress:	$Z_R \geq 11.2 \text{ kips } / 16.9 \text{ kips } ^*)$
Elongation in longitudinal tensile strength test:	$\delta < 6.0 \% ^*)$
Classification according to EAD 230025-00-0106	group 1, class A (P33 and P66)

TECCO® mesh standard roll	
Roll width:	$b_{Roll} = 11.5 \text{ ft}$
Roll length:	$l_{Roll} = 98.4 \text{ ft}$
Total surface per roll:	$A_{Roll} = 1130 \text{ ft}^2$
Weight per ft <sup>2</sup> :	$g = 0.676 \text{ lbs/ft}^2$
Weight per mesh roll:	$G_{Roll} = 764 \text{ lbs}$
Mesh edges:	mesh ends knotted

\*) As in EAD 230025-00-0106 and referring to TÜV Rheinland LGA test report 01/2014 using spike plate P33 / P66

TECCO® G65/4



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).