

TECHNICAL DATA SHEET

**High-tensile steel wire mesh TECCO® G65/3**

TECCO® high-performance steel wire mesh	
Mesh shape:	rhomboid
Diagonal:	$x \cdot y = 3.27 \cdot 5.63$ in (+/- 5%)
Mesh width:	$D_i = 2.56$ in (+/- 5%)
Angle of mesh:	$\epsilon = 49^\circ$
Total height of mesh:	$h_{tot} = 0.43$ in (+/- 10%)
Clearance of mesh:	$h_i = 0.20$ in (+/- 10%)
No. of meshes longitudinal:	$n_l = 2.13$ pcs/ft
No. of meshes transversal:	$n_q = 3.67$ pcs/ft

TECCO® steel wire	
Wire diameter:	$d = 0.118$ in
Tensile strength:	$f_t \geq 256$ ksi
Material:	high-tensile steel wire
Tensile resistance of a wire:	$Z_w = 2.8$ kips

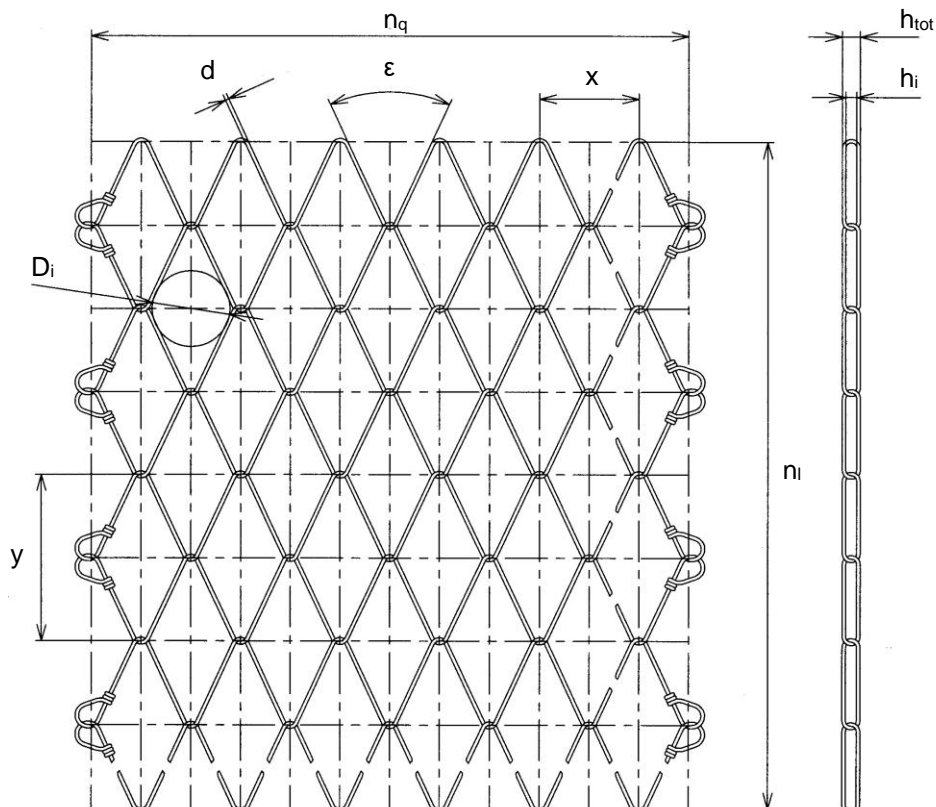
TECCO® corrosion protection **)	
Corrosion protection:	GEOBRUGG SUPERCOATING
Compound:	95% Zn / 5% Al
Coating:	min. 0.0256 lb/ft <sup>2</sup>
$\leq 5\%$ dark brown rust in salt spray test according to EN ISO 9227:	2'500 hours (ETA-17/0118)

Load capacity (standard version)	
Tensile strength of mesh:	$z_k \geq 10.2$ kips/ft *)
Bearing resistance against puncturing:	$D_R \geq 40.4$ kips / 54.0 kips *)
Bearing resistance against shearing-off:	$P_R \geq 20.2$ kips / 27.0 kips *)
Bearing resistance against slope-parallel tensile stress:	$Z_R \geq 6.7$ kips / 10.1 kips *)
Elongation in longitudinal tensile strength test:	$\delta < 6.0\%$ *)
Classification according to EAD 230025-00-0106	group 2, class A (P33 and P66)

TECCO® mesh standard roll	
Roll width:	$D_{Roll} = 11.5$ ft
Roll length:	$l_{Roll} = 98.4$ ft
Total surface per roll:	$A_{Roll} = 1130$ ft <sup>2</sup>
Weight per ft <sup>2</sup> :	$g = 0.338$ lbs/ft <sup>2</sup>
Weight per mesh roll:	$G_{Roll} = 386$ 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

\*\*) 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 318), sea water resistant.



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