

TECHNICAL DATA SHEET

High-tensile steel wire mesh TECCO® G65/3

| TECCO® high-performance steel wire mesh | |
|---|---|
| Mesh shape: | rhomboid |
| Diagonal: | $x \cdot y = 83 \cdot 143 \text{ mm (+/- 5\%)}$ |
| Mesh width: | $D_i = 65 \text{ mm (+/- 5\%)}$ |
| Angle of mesh: | $\epsilon = 49^\circ$ |
| Total height of mesh: | $h_{tot} = 11.0 \text{ mm (+/- 1 mm)}$ |
| Clearance of mesh: | $h_i = 5.0 \text{ mm (+/- 1 mm)}$ |
| Number of meshes longitudinal: | $n_l = 7 \text{ pcs/m}$ |
| Number of meshes transversal: | $n_q = 12 \text{ pcs/m}$ |

| TECCO® steel wire | |
|-------------------------------|---------------------------------|
| Wire diameter: | $d = 3.0 \text{ mm}$ |
| Tensile strength: | $f_t \geq 1'770 \text{ N/mm}^2$ |
| Material: | high-tensile steel wire |
| Tensile resistance of a wire: | $Z_w = 12.5 \text{ kN}$ |

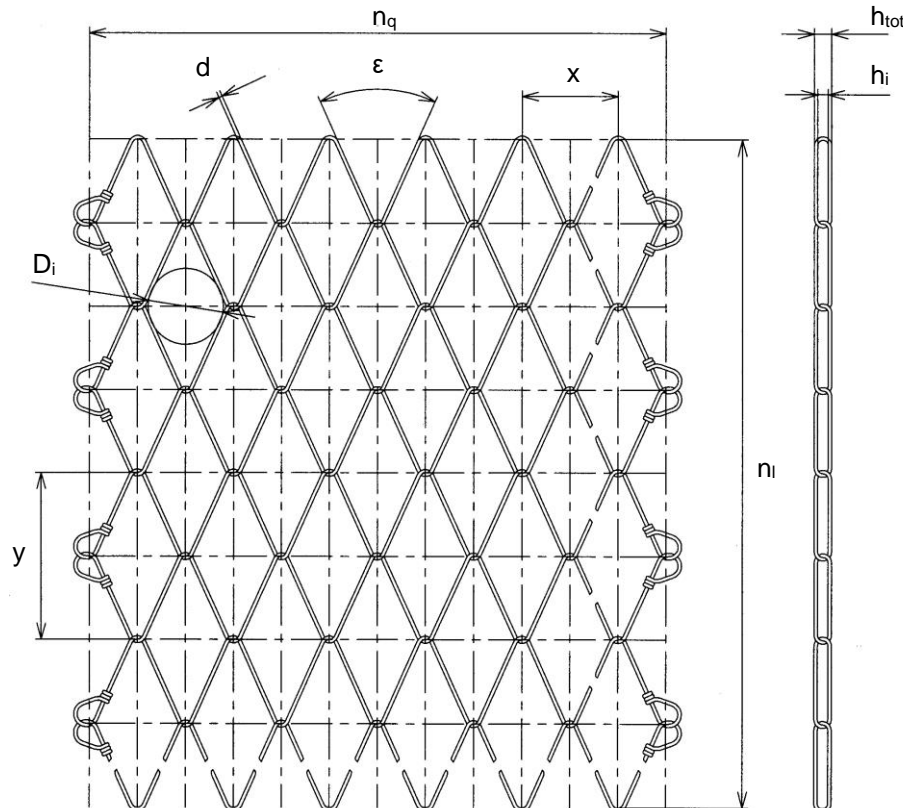
| TECCO® corrosion protection **) | |
|---|---------------------------|
| Corrosion protection: | GEORUGG SUPERCOATING A |
| Compound: | 95% Zn / 5% Al |
| Coating: | min. 255 g/m ² |
| ≤ 5% dark brown rust in salt spray test according to EN ISO 9227: | 4200 hours (ETA-17/0118) |

| Load capacity (standard version) | |
|---|---|
| Tensile strength of mesh: | $z_k \geq 150 \text{ kN/m}^* \text{ *)}$ |
| Bearing resistance against puncturing: | $D_R \geq 180 \text{ kN} / 240 \text{ kN}^* \text{ *)}$ |
| Bearing resistance against shearing-off: | $P_R \geq 90 \text{ kN} / 120 \text{ kN}^* \text{ *)}$ |
| Bearing resistance against slope-parallel tensile stress: | $Z_R \geq 30 \text{ kN} / 45 \text{ kN}^* \text{ *)}$ |
| Elongation in longitudinal tensile strength test: | $\delta < 6.0 \% \text{ *)}$ |
| Classification according to EAD 230025-00-0106 | group 2, class A (P33 and P66) |

| TECCO® mesh roll | |
|-----------------------------|-------------------------------|
| Roll width: | $b_{Roll} = 1.95 \text{ m}$ |
| Roll length: | $l_{Roll} = 30 \text{ m}$ |
| Total surface per roll: | $A_{Roll} = 58.5 \text{ m}^2$ |
| Weight per m ² : | $g = 1.65 \text{ kg/m}^2$ |
| Weight per mesh roll: | $G_{Roll} = 97 \text{ kg}$ |
| 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 quality.



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