

## TECHNICAL DATA SHEET

# High-tensile spiral rope net SPIDER® S4 - 130

SPIDER® high-performance net	
Mesh shape:	rhomboid
Diagonal:	$x \cdot y = 180 \cdot 300 \text{ mm (+/- 5\%)}$
Mesh width:	$D_i = 130 \text{ mm (+/- 5\%)}$
Angle of mesh:	$\varepsilon = 47 \text{ degrees}$
No. of meshes longitudinal:	$m = 3.3 \text{ pcs/m}$
No. of meshes transversal:	$n = 5.6 \text{ pcs/m}$

Corrosion protection	
Corrosion protection:	GEOBRUGG SUPERCOATING®
Compound:	95% Zn / 5% Al
Coating:	min. 150 g/m <sup>2</sup>

Bearing capacity (standard version)	
Tensile strength of net:	$Z_n \geq 360 \text{ kN/m}^*$

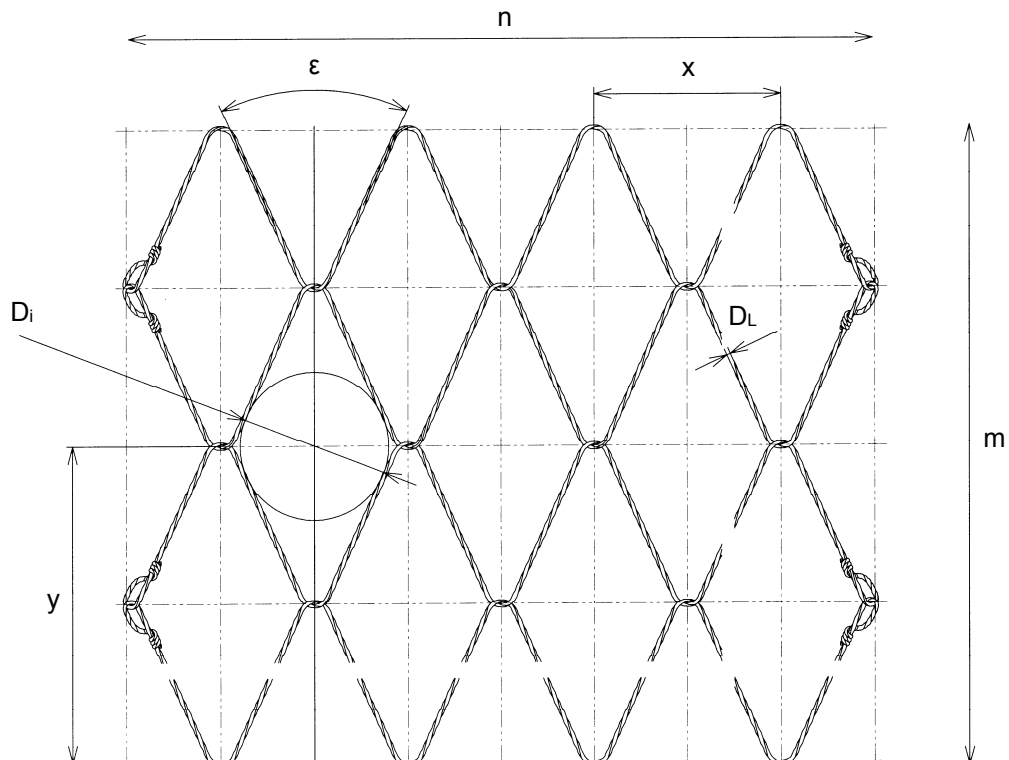
\*) referring to LGA test report 05/2009

Steel wire	
Wire diameter:	$D_w = 4.0 \text{ mm}$
Tensile strength steel wire:	$f_t \geq 1770 \text{ N/mm}^2$
Material:	high-tensile steel wire
Tensile resistance of a wire:	$Z_w = 22.0 \text{ kN}$

Steel strand	
Strand diameter:	$D_L = 8.6 \text{ mm}$
Construction:	1 x 3

Net roll dimensions (standard)	
Roll width:	$b_{\text{Roll}} = 3.3 \text{ m}$
Roll length:	$l_{\text{Roll}} = 21 \text{ m}$
Total surface per roll:	$A_{\text{Roll}} = 69.3 \text{ m}^2$
Weight per m <sup>2</sup> :	$g = 5.0 \text{ kg/m}^2$
Weight per roll:	$G_{\text{Roll}} = 347 \text{ kg}$
Net edges:	mesh ends knotted

SPIDER® S4-130



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).