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TECHNICAL DATA SHEET
High-tensile steel wire mesh MINAX® 80/4.6 for dynamic ground support applications

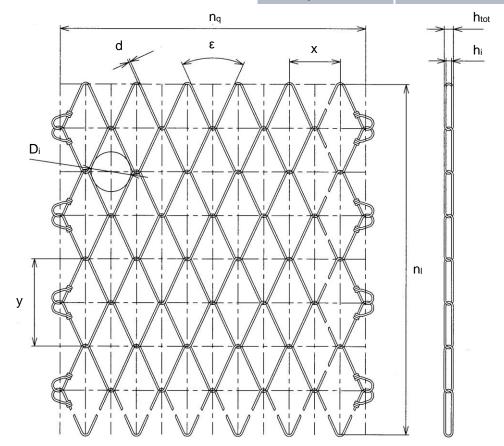| MINAX® high-performance steel wire mesh	
Mesh shape:	rhomboid
Diagonal:	$x \cdot y = 102 \cdot 173$ mm (+/-5%)
Mesh width:	$D_i = 80$ mm (+/-5%)
Angle of mesh:	$\varepsilon = 49$ degrees
Total height of mesh:	$h_{tot} = 17$ mm (+/-1 mm)
Clearance of mesh:	$h_i = 8$ mm (+/-1 mm)
No. of meshes longitudinal:	$n_l = 5.8$ pcs/m
No. of meshes transversal:	$n_q = 9.8$ pcs/m

Load capacity	
Tensile strength of mesh longitudinal:	$z_l \geq 300$ kN/m'

MINAX® steel wire	
Wire diameter:	$d = 4.6$ mm
Tensile strength:	$f_t \geq 1'770$ N/mm²
Material:	high-tensile steel wire
Tensile resistance of a wire:	$Z_w = 29.4$ kN

MINAX® corrosion protection	
Corrosion protection:	GEOBRUGG SUPERCOATING
Compound:	95% Zn / 5% Al
Coating:	min. 150 g/m²

MINAX® mesh standard roll	
Roll width:	$b_{Roll} = 2 - 6$ m possible
Roll length:	l_{Roll} = as required
Weight per m²:	$g = 3.4$ kg/m²
Mesh edges:	mesh ends knotted

MINAX® 80/4.6