

# PFEIFER Slope Stabilization System

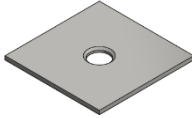
General data		
Mesh shape		Hexagonal
Mesh size	y*x	120 <sup>+10</sup> x 65 <sup>+5</sup> mm
Mesh opening <sup>1</sup>	D <sub>i</sub>	59 <sup>+5</sup> mm
Number of meshes longitudinal <sup>1</sup>	n <sub>l</sub>	6.0 / m
Number of meshes transversal <sup>1</sup>	n <sub>q</sub>	14.5 / m
Weight		1.9 kg/m <sup>2</sup>
Roll dimensions	b <sub>Roll</sub> x l <sub>Roll</sub>	3.0 x 30 m

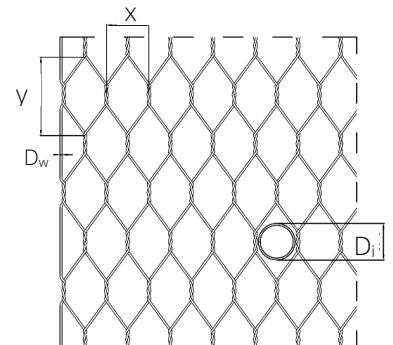
Wire properties		
Material		High tensile steel wire
Wire diameter	D <sub>w</sub>	3.0 <sup>±0.07</sup> mm
Tensile strength <sup>5</sup>	f <sub>t</sub>	≥ 1770 N/mm <sup>2</sup>
Corrosion protection <sup>7</sup>		ZnAl class A
Coating <sup>2</sup>		≥ 255 g/m <sup>2</sup>
Salt spray test <sup>1,2,4</sup> / SO <sub>2</sub> -Test <sup>2,3</sup>		2500 h / 70 cycles

Mesh capacity		
Tensile strength longitudinal without lateral support <sup>1</sup>	p <sub>m</sub>	175 kN/m
Tensile strength longitudinal with lateral support <sup>2,6</sup>	z <sub>k</sub>	190 kN/m
Longitudinal elongation <sup>1</sup>	δ	4.8 %
Punching resistance <sup>8,9</sup>	F <sub>m</sub>	225 kN

Connection clips		
Wire diameter		4.0 mm
Load capacity <sup>6</sup>		11.25 kN
Transversal tensile strength of the connection <sup>1</sup>	z <sub>C,k</sub>	66 kN/m (6 Clips/m) 70 kN/m (12 Clips/m)

## Anchor plates

			
	Quadratic Plate	Pfeifer® Turtle Plate	
Dimensions	200 x 200 x 8 mm	250 x 170 x 10 mm	
Steel grade	S355	S355	
Puncturing resistance (free-floating) <sup>analog 8,9</sup>	68 kN	67 kN	
Puncturing resistance on the ground <sup>1</sup>	D <sub>R</sub>	231 kN	192 kN
Shearing-off resistance in nail direction <sup>1</sup>	P <sub>R</sub>	116 kN	96 kN
Slope parallel resistance <sup>1</sup>	Z <sub>R</sub>	42 kN	65 kN



### Standards & Guidelines

- <sup>1</sup> EAD 230025-00-0106
- <sup>2</sup> EAD 230008-00-0106
- <sup>3</sup> EN ISO 6988
- <sup>4</sup> EN ISO 9227
- <sup>5</sup> EN 10218-1
- <sup>6</sup> EN 10223-3
- <sup>7</sup> EN 10244-2
- <sup>8</sup> ISO 17746
- <sup>9</sup> ASTM A975-11

