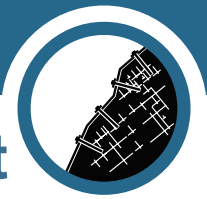
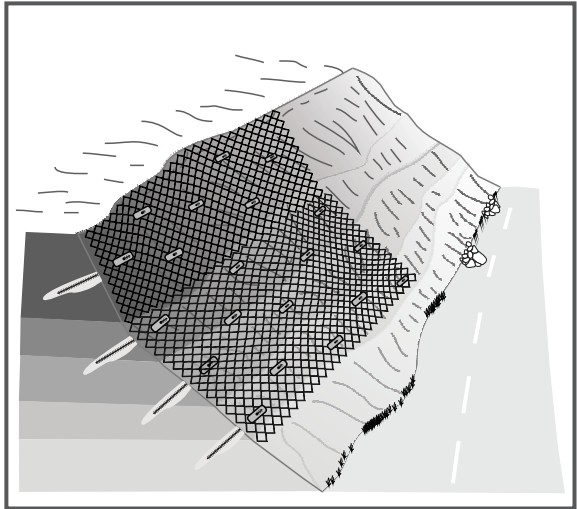


Slope

retention system



High Performance Netting - Data Sheet



Area of Application:

TRUMER High Performance Netting (HPN) products is developed for high tensile strength applications. It can be used for stabilizing slopes by pinning them with a combination of mesh and rock or soil anchors, as well as installed as a drape to control erosion. Thus, the frequency and magnitude of events such as rockfall and shallow slumps can be reduced.

Material:

TRUMER rolled rectangular netting products consist of galvanized high grade corrosion prevention using Zinc-Aluminium coating. They are manufactured in accordance with the European Standard EN 10223-6.

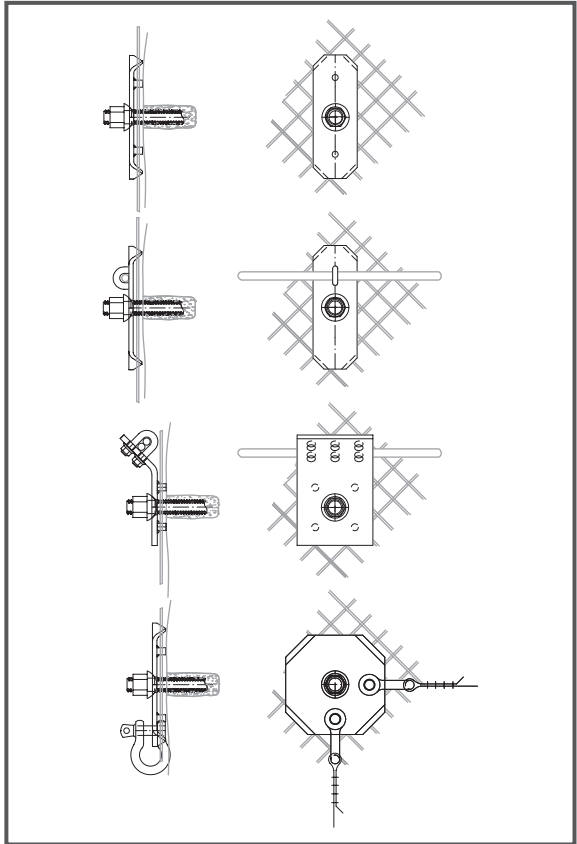
Installation:

The panels are unrolled from the top to the bottom in the hazard zones. The different mesh layers are then connected by overlapping and sewing them together with high-tensile sewing rope in the vertical direction. Horizontal connections are made with an original wire strand yielding a seamless connection. Additionally, mesh can be secured by spike plates at anchor positions

Advantages:

Under most conditions, HPN can be easily and quickly installed, thereby considerably reducing mitigation costs. Furthermore, corrosion protection is assured by a high-quality of metallic coating that increases the life and durability of the netting.

Anchor Connection Plate*



* Anchor plates with two rope connections, i.e. in vertical and horizontal directions are also available

Mesh Characteristics

Mesh Type*	Rectangular netting
Mesh Size [a x a] mm (in.)	50 x 50 (1.97 x 1.97)
Opening angle [α]	90°
Number of mesh openings, length per m (per ft)	13 (~4)
Number of mesh openings, width per m (per ft)	13 (~4)

* in accordance with European Standard EN 10223-6

Wire Properties

Wire Diameter mm (in.)	4.6 (0.18)
Tensile Strength N/mm ² (ksi)	620 to 770 (89.9 to 111.68)
Corrosion Protection*	Zinc-Aluminium galvanized
min. Mass of Coating* g/m ² (oz/ft ²)	280 (0.92)
Hours of Salt Spray Test**	1000

* in accordance with European Standard EN 10244-2, class A

** in accordance with European Standard EN ISO 9227

Minimum Strength Properties

Test Description	Result
Tensile Strength, lengthwise kN/m (lbf/ft)	150 (10,278)
Tensile Strength, crosswise kN/m (lbf/ft)	150 (10,278)
Resistance of Puncture, unsupported* kN (lbf)	68 (15,264)
Resistance of Puncture, supported** kN (lbf)	327 (73,512)

* tested in open air

** tested with a deformable layer beneath mesh

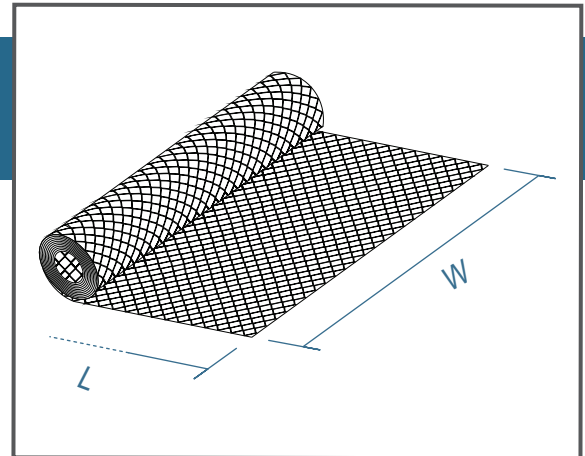
Roll Sizing Options

Width m (ft)	1.75 (5.74)	2.25 (7.38)	2.75 (9.02)	3.00 (3.84)	3.25 (10.66)
Length m (ft)	6.0 - 15.0 (19.69 - 49.21)				
Weight kg/m ² (lb/ft ²)	~ 5.6 (~ 1.15)				

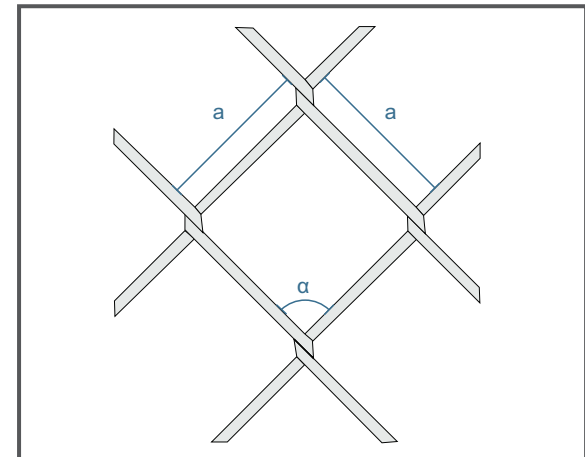
Other dimensions are possible in accordance with project specific design requirements



Panel Dimensions



Mesh Dimensions



Seam Connection

