



# MINERAL GREEN TERRAMESH®

2018

Ufficio Tecnico OMI

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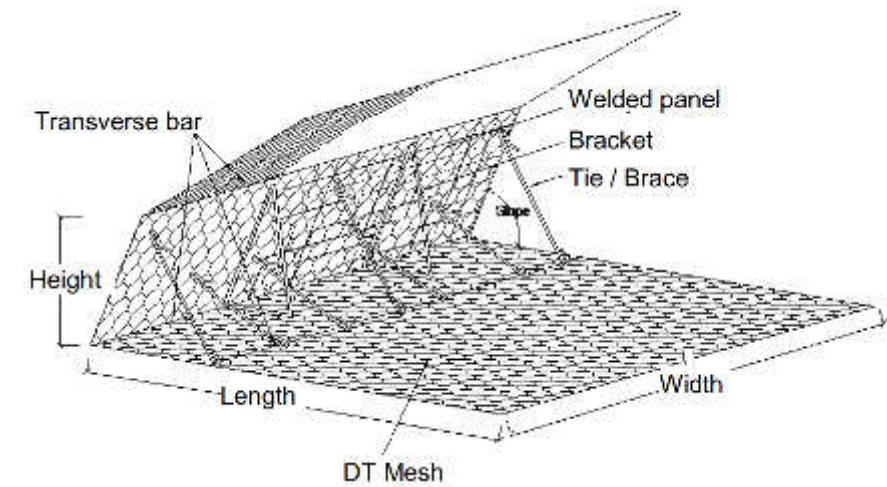


Mineral Green Terramesh®

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## TERRAMESH® VERDE MINERALE



Il Terramesh® Verde Minerale è un Sistema modulare con paramento in pietra per le terre rinforzate .

**Terramesh® Verde Minerale 65° – 70° – 80° – 90° inclinazione**

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## TERRAMESH® VERDE MINERALE



<i>a</i>	<i>Unit height (m)</i>
70°	0.76
80°	0.79
87°	0.65

È stato costruito per la prima volta in Belgio, Via Brugge, nel 2013, per una (falsa) spalla di ponte.  
Permette un rivestimento in pietra inclinata continua senza i passaggi tipici del sistema Terramesh.

**Terramesh® Verde Minerale 70° – 80° – 87° inclinazione**

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## TERRAMESH® VERDE MINERALE



Terramesh® Verde  
Minerale



Terramesh System

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## TERRAMESH® VERDE MINERALE



### Vantaggi principali

Pietrame di diametro inferiore rispetto al tms

Facile da installare

Miglior rapporto costi/benefici

Flessibile + Modulare

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# TERRAMESH® VERDE MINERALE

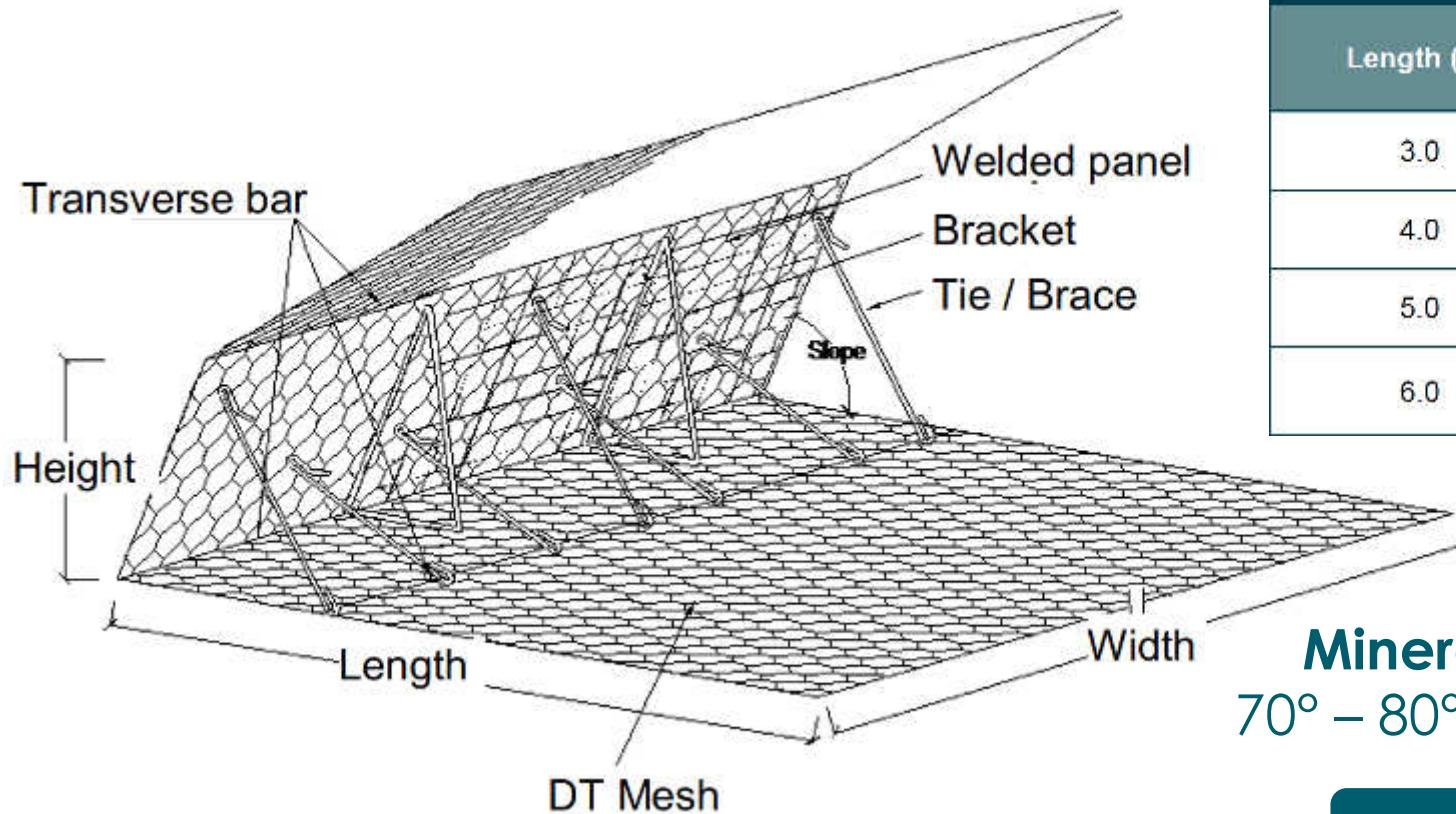


Table 1: Sizes of Mineral Green Terramesh

Length (m)	Width (m)	Height (m) / Slope Angle °
3.0	3	0.65 / (87°) 0.79 / (80°) 0.76 / (70°)
4.0		
5.0		
6.0		

**Mineral Green Terramesh®**  
70° – 80° - 87° face inclination  $\alpha$

Inclinazione standard 80°

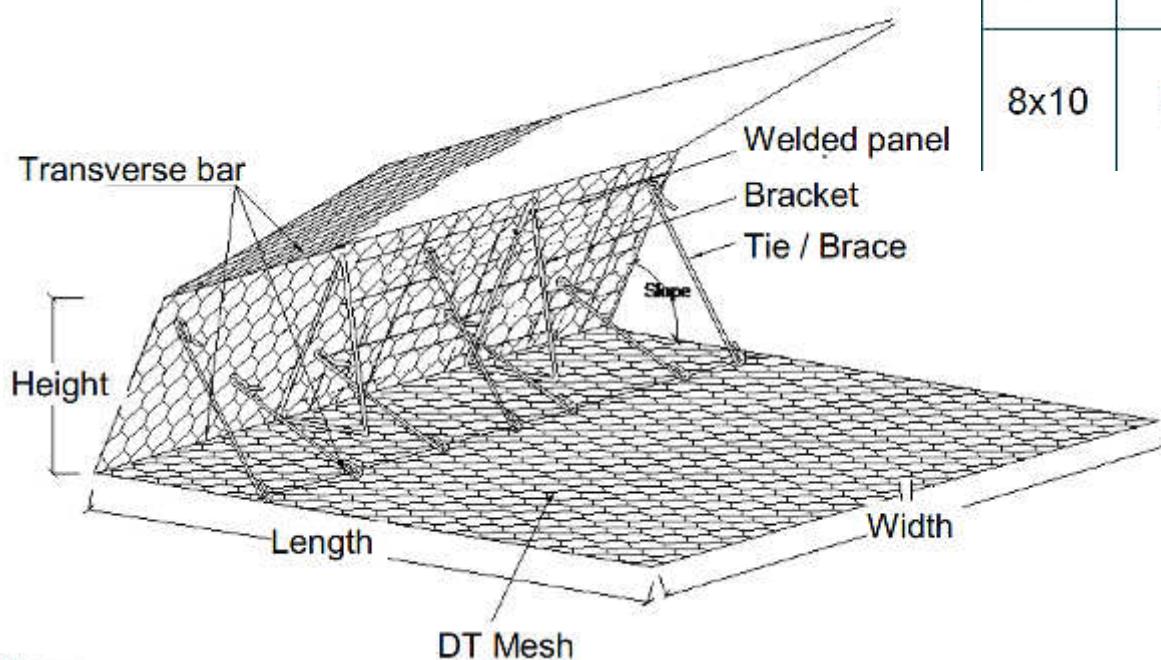
Il Terramesh Verde Minerale è marcato CE

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# TERRAMESH® VERDE MINERALE

Gli elementi sono realizzati con rete DT in maglia 8x10, rivestita Polimac, pannello in rete elttrosaldata zincate, 2 staffe zincate e 7 tiranti zincati da installare in sito

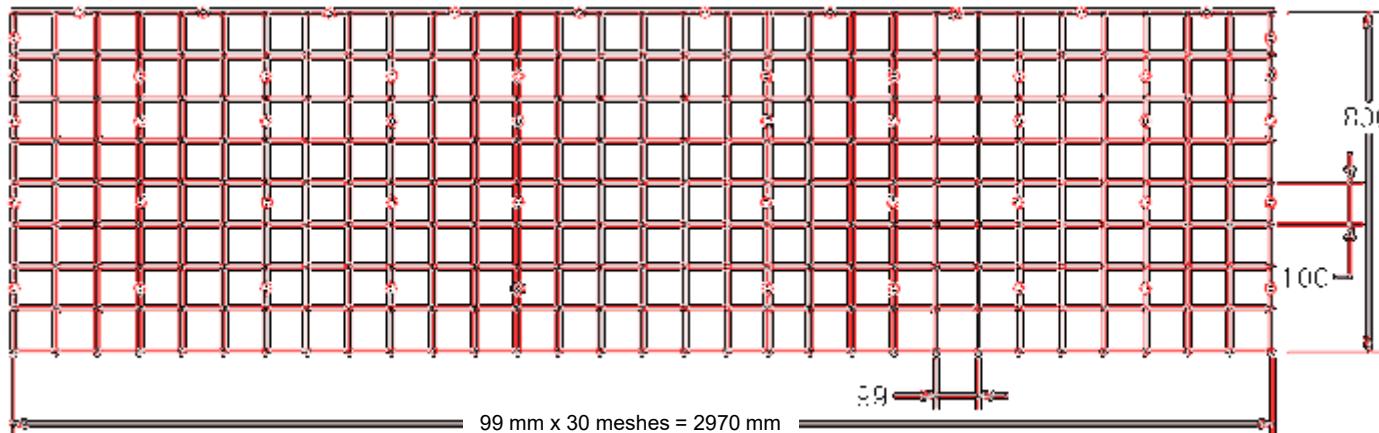


Type	M (mm)	Tolerance (mm)	Wire diameter(mm)	Mesh Tensile Strength (kN/m)	Mesh Punching Load (kN)
8x10 Light	80	-0/+10	2.20/3.20	40 ± 5	41 ± 5
8x10	80	-0/+10	2.70/3.70	55 ± 5	70 ± 5

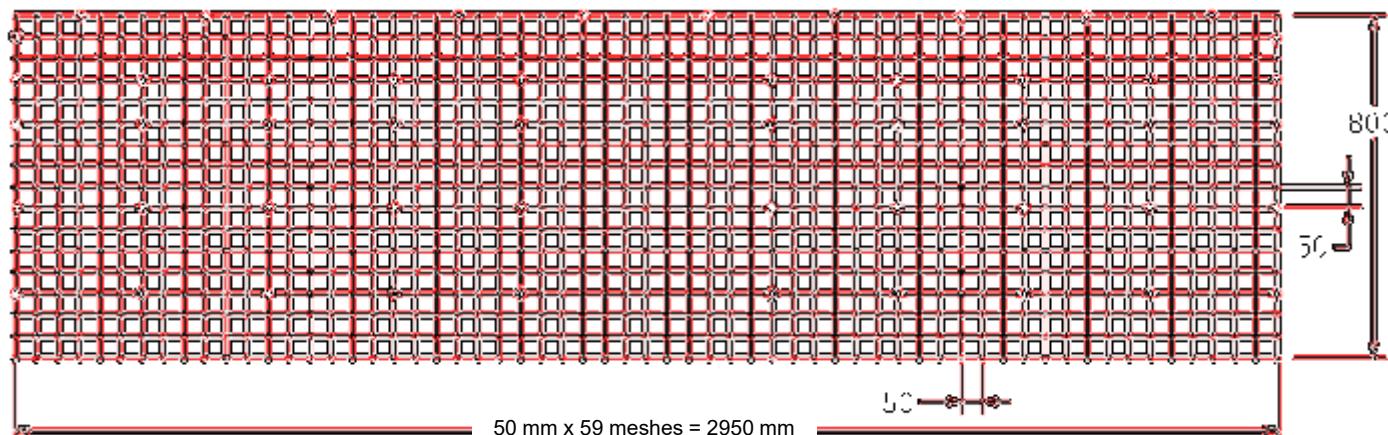
**Mineral Green Terramesh®**  
 70° – 80° - 87°  
 face inclination  $\alpha$

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## WELDED PANEL FOR MINERAL GTM



**WELDED MESH PANEL**  
99x100, Ø 6mm  
ZINC COATED  
AS PER ISO 1461  
or  
Zn-Al(10% or 5%)  
Class A



**WELDED MESH PANEL**  
50x50, Ø 5mm  
Zn-Al(10% or 5%)  
Class A

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## PANNELLO ELETTROSALDATO

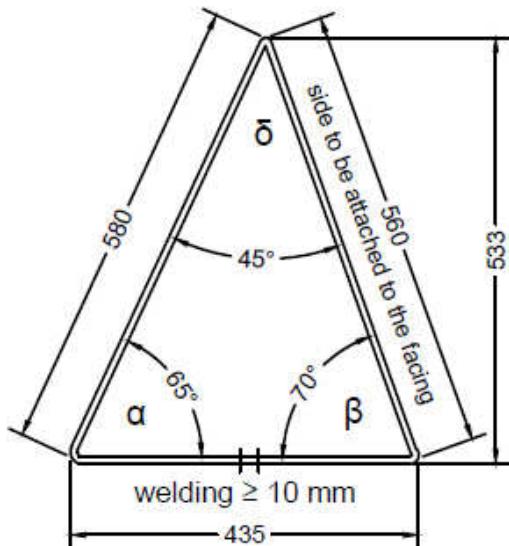


PANNELLO ESTERNO

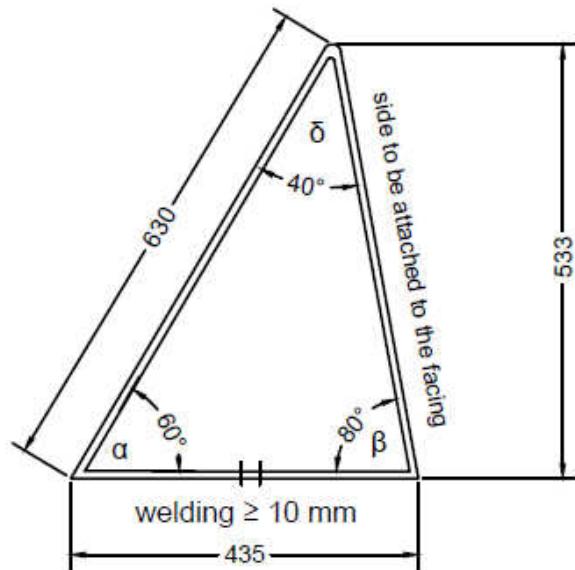
# 3

## BRACKETS AND TIES

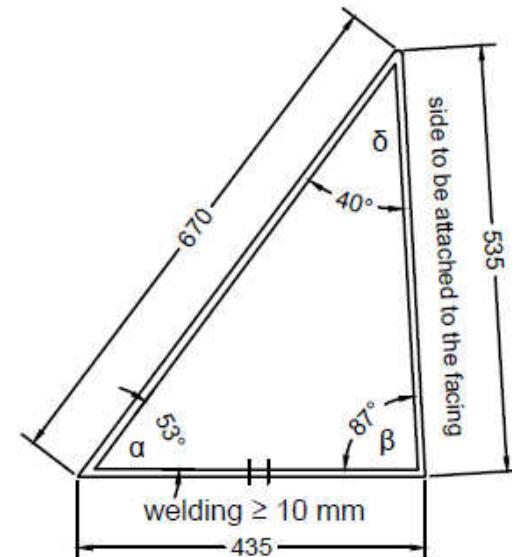
**BRACKETS** (2 per unit) Diameter 7 mm PREZINC 500 COATED  
or Diameter 8 mm ZINC COATED AS PER ISO 1461



L = 1575 mm



L = 1600 mm

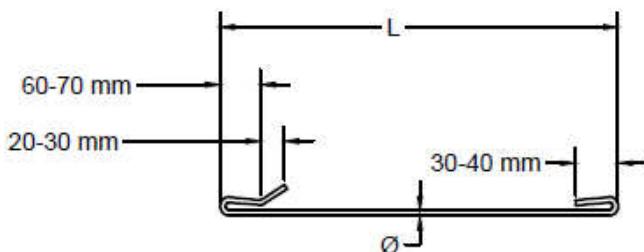


L = 1640 mm

β	α	δ
70°	65°	45°
80°	60°	40°
87°	53°	40°

**BRACKETS TOLERANCES:**  
measure L  $\pm$  15mm  
on angles  $\alpha$  e  $\beta$   $\pm$  1°  
on angle  $\delta$   $\pm$  2°  
diameter  $\pm$  0.5mm

**TIES** (7 per unit) Diameter 8 mm  
ZINC COATED AS PER ISO 1461  
or Diameter 7 mm  
PREZINC 500 COATED



External facing inclination	L (mm)
70°	600 4 rods 700 3 rods
80°	650 4 rods 790 3 rods
87°	700 4 rods 790 3 rods

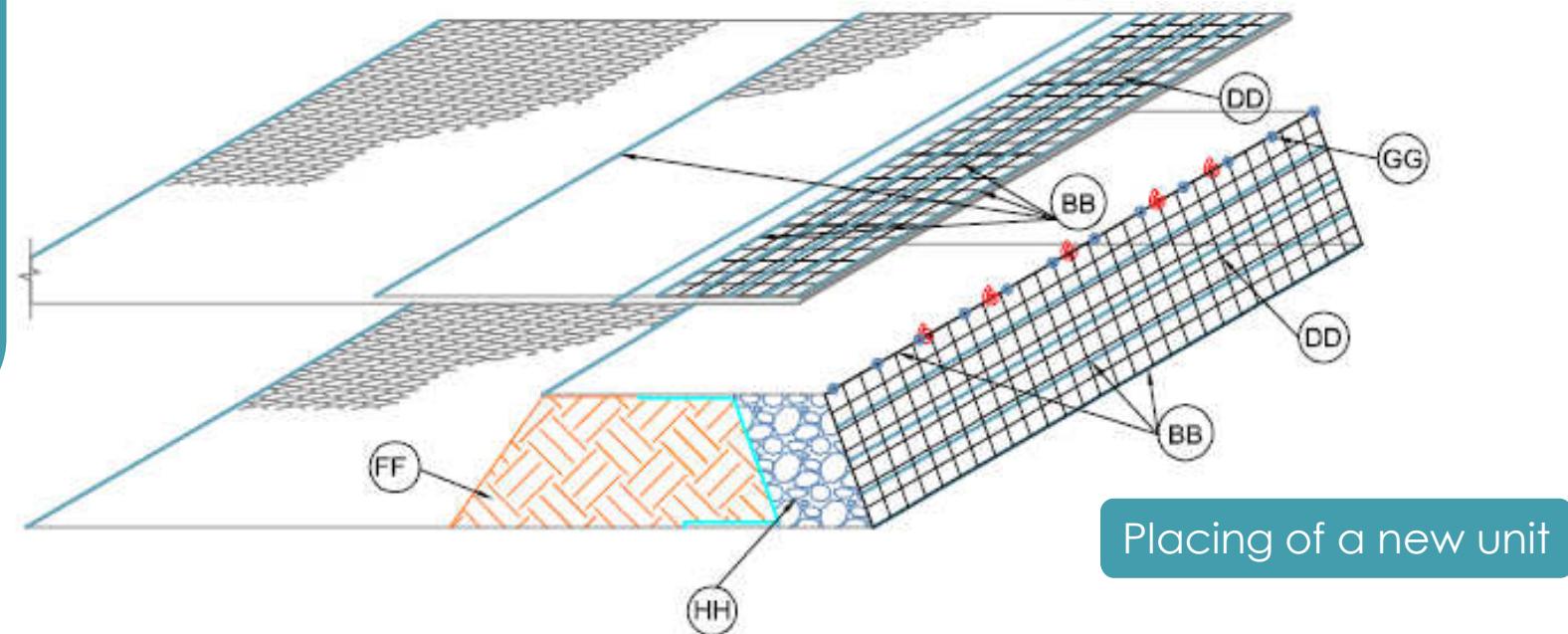
**WIRE ROD TOLERANCES:**  
measure + 5 mm  
diameter + 0.5 mm

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## INSTALLATION DETAILS

AA = RETE DT  
BB = barrette  
CC = Geotessile  
DD = barrette  
EE = tiranti  
FF = Riempimento Strutturale  
GG = Punti Spenax  
HH = riempimento in pietrame



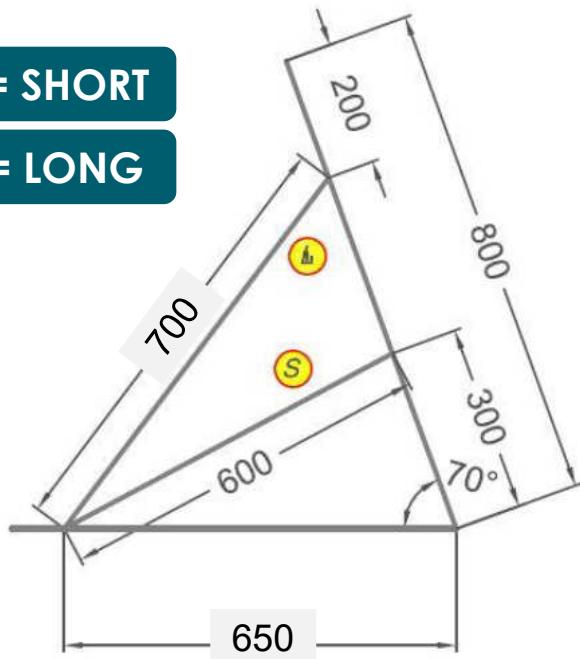
Il pannello frontale va sollevato e portato nella posizione finale e agganciato con le staffe e i tiranti. Il geotessile è impiegato per separare il pietrame dal terreno

# 4

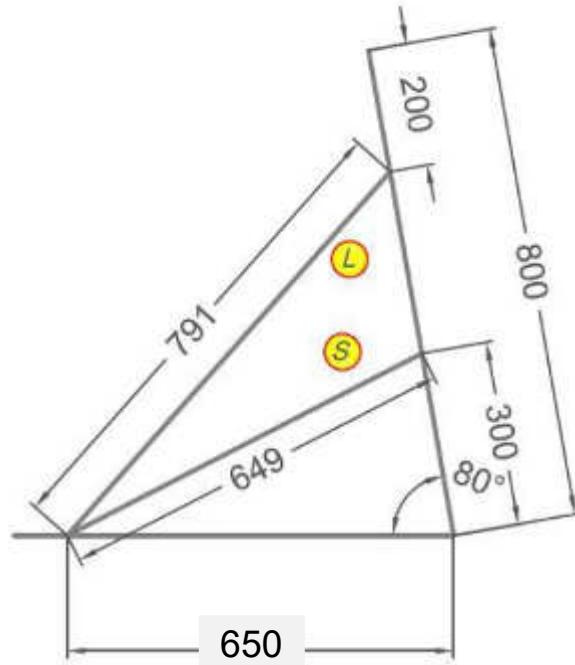
## TIE POSITIONING

S = SHORT

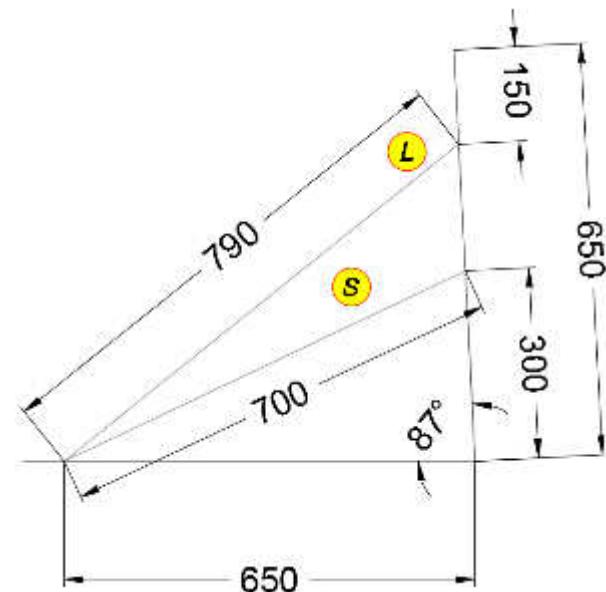
L = LONG



70° facing inclination



80° facing inclination

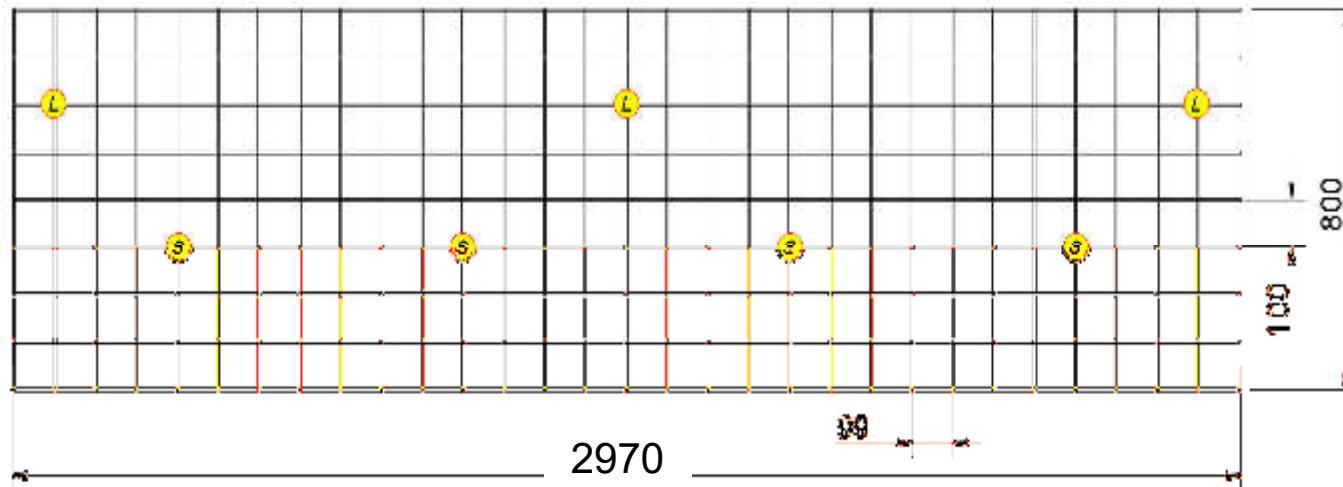


87° facing inclination

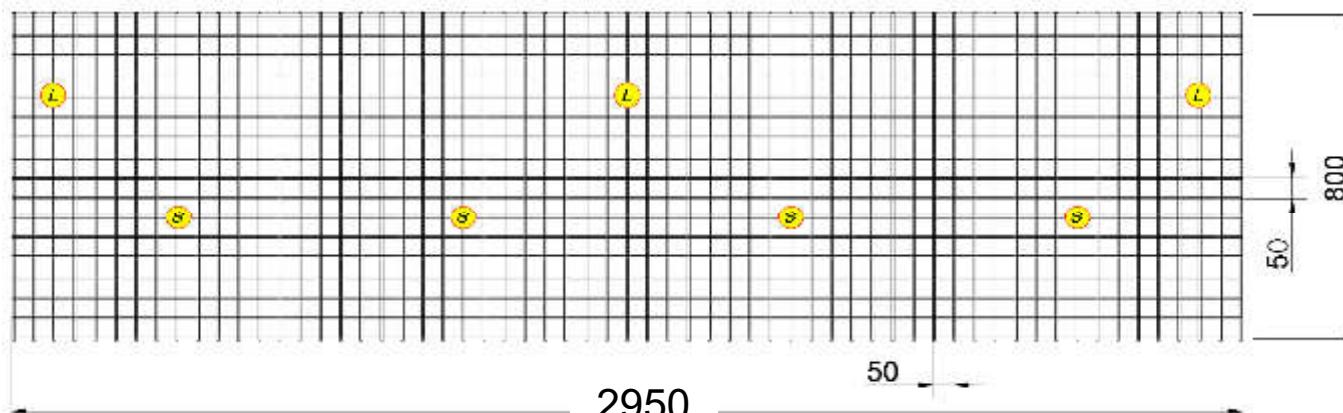
Each unit having a width of 3m is provided with 2 steel triangular brackets (loose) and 7 steel ties (4 shorts + 3 long) whose function is to assure the required facing inclination.

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## 70° / 80° INCLINATION TIE POSITIONING



zinc coated welded mesh  
panel 99x100 mm Ø6



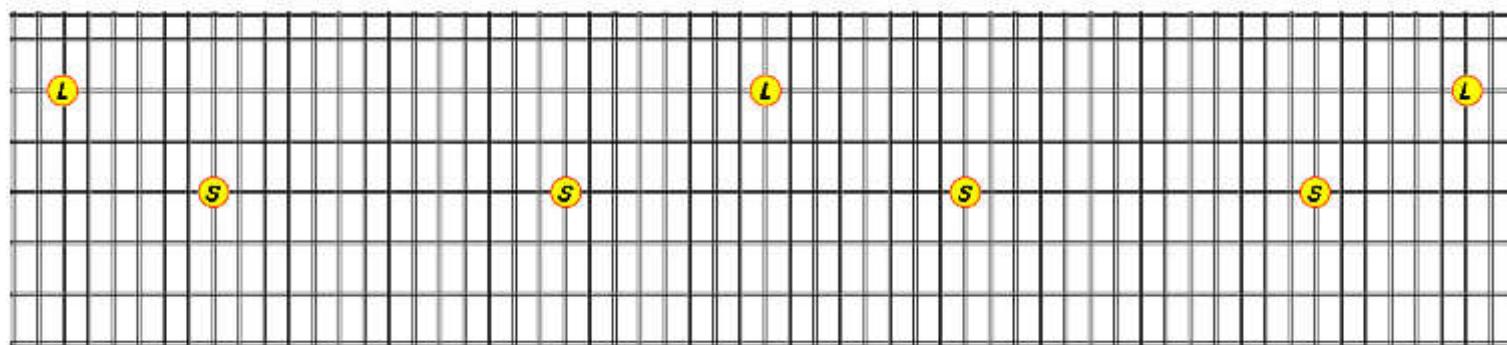
zinc coated welded mesh  
panel 50x50 mm Ø5

L = LONG

S = SHORT

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## 87° INCLINATION TIE POSITIONING



zinc coated welded mesh  
panel 50x100 mm  $\Phi 5$   
2,95 m x 0,65 m

L = LONG

S = SHORT

Gruppo  
Industriale  
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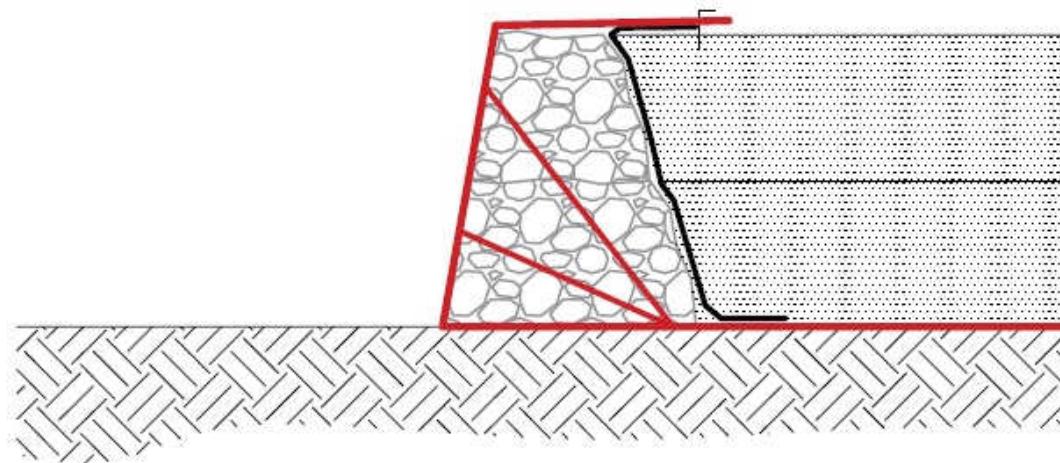


## TIE POSITIONING

Pannello in rete  
elettrosaldata zincata  
50x50 mm  $\Phi$ 5

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## INSTALLATION OF THE STONES ON THE FACING



Chiusura unità e livello

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## AFTER STONES INSTALLATION



Belgium, Via Brugge

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## AFTER STONES INSTALLATION



Belgium, Via Brugge

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# INSTALLATION PRODUCTIVITY

**Senza rilevato, considerando scarico, stoccaggio e posa elementi**

<b>Mineral GTM spacing (m)</b>	<b>Staff (men)</b>	<b>Average daily yield per staff (without soil filling)</b>	
		<b>Minimum</b>	<b>Maximum</b>
0.76 / 0.79	5	80 m <sup>2</sup> of facing	150 m <sup>2</sup> of facing

**Con pietrame e rilevato compattato**

<b>Mineral GTM spacing (m)</b>	<b>Staff (men)</b>	<b>Average daily yield per staff (with soil filling)</b>	
		<b>Minimum</b>	<b>Maximum</b>
0.76 / 0.79	5	60 m <sup>2</sup>	80 m <sup>2</sup>



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Germany, Oberstdorf, Ski Jump

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