

MAC.RO SYSTEM - SN PANEL

ROCKFALL PROTECTION PANEL

STANDARD PANEL

Standard dimension

- Mesh - nominal (mm) **300x300 / 250x250**
- Panel (m) Height (H)* **3**
- Length (L)* **6**

Other sizes available on special order.
External panel size is nominal (tolerance $\pm 5\%$)

KNOT

Binding bars

Envelop of two pairs of wires

- Steel coated with Galvan **EN 10244-2, Class A**
- Diameter (mm) **$\varnothing = 3$ (UNI EN 10218)**
- Breaking load of the wire used for the bars (N/mm²) **380-500**

KNOT RESISTANCE

- Max. load of tear break (kN) **12.25 $\varnothing = 3$ (UNI EN 10218)**
- Max. load of unthreading longitudinal break (kN) **10.30**
- Max. load of unthreading trasversal break (kN) **1.67**

STEEL ROPES

Wrapping rope

- Zinc coating **UNI EN 10264-2**
- Diameter (mm) **8 - 10 - 12**
- Rope grade **1770 N/mm²**
- Minimum breaking load of the rope (kN) **40.3 - 63 - 90.7**
- Drawn rope type 6X7+WC; 6x19+WC **UNI EN 12385-4 , UNI ISO 2408**

Perimetral rope

- Zinc coating **UNI EN 10264-2**
- Diameter (mm) **10 - 12 - 14 - 16**
- Rope type 6x19+WC **UNI EN 12385-4, UNI ISO 2408**
- Rope grade **1770 N/mm²**
- Minimum breaking load of the rope (kN) **63 - 90.7 - 123.5 - 161.3**

ALUMINIUM SPINNING COT

Joint spinning cot for the perimetral edge ropes

- Cylindric shape (DIN 3093), Al 5150 A,
- Junction resistance equal to 90% of the rope breaking load .
- C open shape , Al 6060 T5
- Spinning cot to connect the two ropis end (wrap and perimetral)

SN Panel (Single Knot Panel) combines high strength features of the wire rope with the steel knot. The knot is made by two bindings, each one obtained by looping a pair of steel 3.00 mm wires coated with a Zinc-Aluminium-5% alloy. The two bindings tightly envelop the ropes crossing each other.

The panel is made of square meshes manufactured with one rope, closed by an aluminium pressed spinning cot, with resistance not less than 90% of the rope breaking load.

QUANTITY REQUEST

When a quotation is required, please specify:

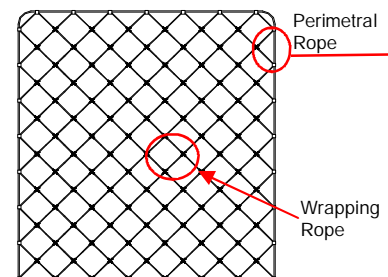
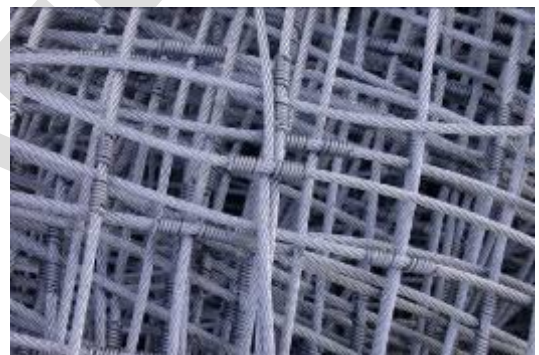
- Panel size (heightxlenght in m)
- Mesh size (in mm)
- Wrapping rope diameter (in mm)
- Edge rope diameter, if any (in mm)
- Zinc coating on the ropes (Class A or B)

Example 1:

N. 30 SN Panels, 6x3m, 300x300mm, wrapping rope 8mm, edge rope 12mm, Class B zinc coating

Example 2:

N. 60 SN Panels 5x4m, 400x400mm, wrapping rope 10mm, no edge rope, Class A zinc coating.



Example of HEA PANEL structure

Maccaferri reserves the right to amend product specifications without notice and specifiers are requested to check as to the validity of the specifications they are using.

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