safety swing hook for antifalling

**Vorpa AC M12 Hooks - wood hook Ø10**
safety hooks with steel anchors for anti-fall nets

### Product Group

- **Suitable**
  - concrete
  - solid brick
  - natural stone
  - boards and panels
  - glulam GL24h

- **Steel expansion body**
  - TOP M12 Ø18 assessment for non-cracked concrete

- **Steel expansion body**
  - VA M12 Ø15

- **Safety swing hook with 2 nuts and washer**

- **Safety swing hook with wood screw**

- **Tested by**
  - Istituto Giordano
  - Test report available AC M12
  - n° 3279510
  - In accordance with EN 1263

- **Example of application**

### Product Information

#### Features
- Safety hook with an innovative concept. The particular fold given to the hook ensures closure of the same, once the load of fall on the network it reaches the value of 700 daN on concrete and 450 daN on laminated wood

#### Benefits
- Possibility to insert and unfasten the fall prevention cable on the hook once made the fixing
- The hook is recovered once the work is finished
- High loadability thanks to the adaptation of the eyelet to the anchor
- Wide selection of expanding bodies
- Wide range of assortment of hooks and anchors

#### Suggestion for use
- Choose the most suitable accessory in relation the application to carry out
- Choose the right size of the anchor according to the load
- Always check load bearing capacity values in the table
- Respect the installation data
- Clean the hole before the installation
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**Installation sequence**

**Installation sequence for AC TOP Ø18**

**Technical data**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>L₂</th>
<th>d₀</th>
<th>h₁</th>
<th>I</th>
<th>Thread</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Tₘₐₜ</th>
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<tbody>
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<td>AC TOP Ø18</td>
<td>75</td>
<td>18</td>
<td>85</td>
<td>80</td>
<td>M12</td>
<td>26</td>
<td>160</td>
<td>13</td>
<td>50</td>
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</table>

C = passage of the rope

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Steel expansion body TOP M12 Ø18 assessment for non-cracked concrete

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>L₂</th>
<th>d₀</th>
<th>h₁</th>
<th>I</th>
<th>Thread</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>Tₘₜ</th>
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C = passage of the rope
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technical data

Safety hook with nuts and washers

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Thread mm</th>
<th>L Thread mm</th>
<th>I mm</th>
<th>H₁ mm</th>
<th>Tₚₜ max mm</th>
<th>A B C mm</th>
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<tr>
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<td>M12</td>
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<td>75</td>
<td>55</td>
<td>35</td>
<td>26 - 140 - 13</td>
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</tbody>
</table>

C = passage of the rope

Example of application

accessories

<table>
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<tr>
<th>Art</th>
<th>Description</th>
<th>screws Ø mm</th>
<th>d₀ mm</th>
<th>L₁ mm</th>
<th>h₁ mm</th>
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<tbody>
<tr>
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</tbody>
</table>

technical data

Determination of the resistance at the safety hook opening M12 with anchor AC TOP 12 - VA 12

Concrete C20/25 1 daN ≈ 1 kg

720 daN

Notice: the hook (1) is closed at the indicated load. The complete opening of the hook is determined at the maximum load of 1500 daN (2)

1) Behavior of the hook with pull-out up to 720 daN
2) Behavior of the hook with pull-out 1500 daN
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technical data

Determination of the resistance on laminated wood GL 24h

700 daN

Use a safety factor ≥3
Correct sequence

1) Standing in front of the hook, grab the net with both hands and place it under the hook opening.

2) The part of the network, held by the right hand, must enter the open hook on the left.

3) Hold the net with both hands pulling the ends to facilitate the move into the hook.

4) The network has entered into the hook. Proceed to the next hook.

5) The network is entered correctly into the support hooks

Wrong sequence

1) The network is placed in front of the hook opening. NO

2) The network is placed behind the opening of the hook. NO