VERSATILE CONTINUOUSLY THREADED HOLLOW BARS

Our Self-Drilling hollow anchor bars and drill bits are used for many geotechnical and construction applications including soil nailing and anchoring. Maccaferri Self-Drilling hollow bars can be used on natural or excavated slopes. They can be installed with simultaneous drilling and grouting or flushing.

Advantages of Maccaferri Self-Drilling anchor system;

- Continuous thread enhances pull-out resistance with grout
- Simple to use with accessories; couplers, nuts and plates
- Can be cut to exact length required for most cost-effective works
- Variety of drill bits available to suit ground conditions encountered
- Can be directly attached to the drill equipment

Maccaferri Self-Drilling anchor bars can be used in conjunction with our range of steel meshes to deliver a complete flexible structural system for rockfall protection and slope stabilisation works;

- MacMat® R, MacMat® HS to form a vegetating reinforced surfacing
- Double twist rockfall protection mesh
- SteelGrid® HR high tensile geocomposite mesh
- HEA Panels

Soil Nailing

The soil nails address the global stability of the slope while the facing mesh retains the superficial portion of the slope.

Anchoring

Anchorages along the crest and toe of the slope or rock face secure the mesh in place. Depending on the requirements of the design and stability analysis of the slope, anchorages may also secure the mesh across the face of the slope.
SELF-DRILLING HOLLOW BAR ANCHOR SYSTEM

Maccaferri’s **Self-Drilling** anchor bar system comprises:

- Continuously threaded (to ISO 10208) hollow bars in a variety of diameters
- Drill bits
- Couplers with central stop
- Plates
- Nuts and lock nuts
- Centraliser
- Adaptors

The steel self drilling anchor bars are available galvanised or black (ungalvanised).

<table>
<thead>
<tr>
<th>Type</th>
<th>Nominal Diameter (mm)</th>
<th>Section (mm²)</th>
<th>Yield Strength (kN)</th>
<th>Tensile Strength (kN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>32-250</td>
<td>32</td>
<td>370</td>
<td>190</td>
<td>250</td>
</tr>
<tr>
<td>32-280</td>
<td>32</td>
<td>410</td>
<td>220</td>
<td>280</td>
</tr>
<tr>
<td>32-360</td>
<td>32</td>
<td>520</td>
<td>280</td>
<td>360</td>
</tr>
<tr>
<td>38-500</td>
<td>38</td>
<td>745</td>
<td>400</td>
<td>500</td>
</tr>
<tr>
<td>38-600</td>
<td>38</td>
<td>910</td>
<td>480</td>
<td>600</td>
</tr>
<tr>
<td>51-800</td>
<td>51</td>
<td>1210</td>
<td>640</td>
<td>800</td>
</tr>
</tbody>
</table>

The hollow bars are manufactured under the ISO 9001 quality management system. It meets the requirements of EN 14490 and the thread is in accordance with ISO 10208. All threads are left-handed.

The table above includes typical sizes of bar. Other sizes are available; for the full range including available drill-bits and other accessories, see our product Technical Data Sheet from our website.