COAL MINING / HARD ROCK MINING  

CROWN PLATES  

OPTIMAL SURFACE SUPPORT FOR COAL AND SOLID BOLTS  

DESCRIPTION  
Crown plates are high load bearing capacity plates that provide optimal support in a range of strata conditions. These plates are typically used with coal bolts and solid (Secura) bolts. Plates are available as 5L 150mm and 8L 150mm. Plates can be supplied in black steel or hot dip galvanised.  

APPLICATION AND USES  
Primary use is strata reinforcement in underground mines. Designed to help prevent loose material from falling between the roof bolt patterns and provide strength to the immediate roof.  

ADVANTAGES  
- Optimal Surface Support  
- Flexibility  
- Variety of Coatings  
- Variety of Configurations  

TECHNICAL DATA  
Mechanical Properties  

<table>
<thead>
<tr>
<th>Typical Bolt Used</th>
<th>£ Coal Bolt/ £ Secura Bolt</th>
<th>£ Coal Bolt/ £ Secura Bolt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (mm)</td>
<td>150x150</td>
<td>150x150</td>
</tr>
<tr>
<td>Thickness (mm)</td>
<td>5.0</td>
<td>5.0</td>
</tr>
<tr>
<td>Height (mm)</td>
<td>35.0</td>
<td>35.0</td>
</tr>
<tr>
<td>Hole Size (mm)</td>
<td>38-42</td>
<td>38-42</td>
</tr>
<tr>
<td>Typical Yield Strength (MPa)</td>
<td>410-510</td>
<td>410-510</td>
</tr>
<tr>
<td>Typical Tensile Strength (MPa)</td>
<td>470-550</td>
<td>470-550</td>
</tr>
<tr>
<td>Plate Load (kN)</td>
<td>180</td>
<td>240</td>
</tr>
<tr>
<td>Crown profile</td>
<td>5L</td>
<td>8L</td>
</tr>
<tr>
<td>Weight (kg)</td>
<td>0.82</td>
<td>0.82</td>
</tr>
</tbody>
</table>

1 Test conducted over 100mm hole
PACKAGING AND TRANSPORTATION

<table>
<thead>
<tr>
<th>Plate Dimensions</th>
<th>5L 200x200 (mm)</th>
<th>8L 150x150 (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of Units (pcs)</td>
<td>980</td>
<td>980</td>
</tr>
<tr>
<td>Nominal Weight (kg)</td>
<td>803</td>
<td>803</td>
</tr>
<tr>
<td>Pallet Size (mm)</td>
<td>1150x1150</td>
<td>1150x1150</td>
</tr>
</tbody>
</table>

APPROvals AND CERTIFICATES

Product Standards

Material : AS1594
Galvanising : AS4680

TECHNICAL SUPPORT

We provide technical advisory service by a team of specialists in the field. The service includes on site assistance and advice on evaluation trials and laboratory work. All technical data sheets can be found on www.minovalgobal.com

DISTRIBUTOR

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ADDITIONAL INFORMATION

Minova Australia offers a comprehensive range of products, all of which have been developed after extensive research and testing on a global scale via our international network of operations. These products include:

- Resin anchor systems
- High yield grouts and foams
- Monolithic chock systems
- High performance cable bolt grouts
- Polyurethane resin systems
- Sprayable coatings for ventilation control
- Water stop grouts
- Ventilation formwork systems including: Meshblock and Tecmesh
- Grout mixers and batchers both air and hydraulically operated
- Contract Installations
- Flexible membranes for strata support and waterproofing applications

CUSTOMER SERVICE

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