VIPERDET™ MS (DOWN HOLE)

Shock tube with non-electric detonator

APPLICATION
VIPERDET™ MS DOWN HOLE detonator for surface mining

FEATURES
- Detonator strength – No. 8
- Shock tube - double extruded polyethylene exterior over surlyn inner with a min 19 kg tensile strength
- Water resistance – will function reliably in wet deep hole conditions
- Delay timing – two different delay timings (350 ms, 500 ms)

RECOMMENDATIONS
- Shelf life – 36 months. Stored in original packaging and under dry conditions in a ventilated approved magazine
- First aid – refer to Safety Data Sheet for first aid information
- Safety – all explosives are classified as dangerous goods and can cause damage to property, personal harm or death if not used correctly
- Transportation and storage – all explosives must be transported in accordance with relevant regulations and must be stored in cool, dry, well ventilated magazines

UN CLASSIFICATION (TRANSPORT)
- Class 1.1B, UN No. 0360, DETONATOR ASSEMBLIES NON-ELECTRIC

PRODUCT DESCRIPTION
VIPERDET™ MS DOWNHOLE assemblies consist of a specific length of green shock tube with a high strength delay detonator crimped to the one end and closed at the other end by means of an ultra-sonic seal. A colour coded label marked with the specific delay is attached to the shock tube within 10 cm from the seal.

PRODUCT FEATURES

PACKAGING
Units are placed in plastic inner packaging that is heat sealed and packed in boxes.

<table>
<thead>
<tr>
<th>Length</th>
<th>Units/box</th>
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<tbody>
<tr>
<td>2 m</td>
<td>400</td>
</tr>
<tr>
<td>4 m</td>
<td>300</td>
</tr>
<tr>
<td>6 m</td>
<td>200</td>
</tr>
<tr>
<td>8 m</td>
<td>180</td>
</tr>
<tr>
<td>10 m</td>
<td>150</td>
</tr>
<tr>
<td>12 m</td>
<td>120</td>
</tr>
<tr>
<td>15 m</td>
<td>100</td>
</tr>
<tr>
<td>18 m</td>
<td>80</td>
</tr>
<tr>
<td>21 m</td>
<td>50</td>
</tr>
<tr>
<td>24 m</td>
<td>50</td>
</tr>
</tbody>
</table>

Other lengths available on request.

PRODUCT RISK PROFILE
- Classified as hazardous substance, dangerous goods with mass explosion hazard
- Stable under normal storage conditions
- Severe detonation hazard when exposed to heat
- Detonation can occur from impact, friction and excessive heating
- May emit toxic fumes on thermal decomposition
- DO NOT ATTEMPT TO FIGHT AN EXPLOSIVES FIRE