Description
The eDev™ II electronic detonator is one of Orica’s exciting Next Generation products. These detonators are used in conjunction with:

- SHOTPlus® Tunnel blast design software
- Blast Box 610 or 610C
- Scanner 120 or Scanner 125
- The new Scanner 260 with inherently safe at face testing of all detonators
- eDev™ II Test Box or Tester for inherently safe at face testing of all detonators
- Duplex harness wire

Application
This system is specifically designed for easy use in tunnelling. eDev™ II detonators have a bar code printed on the flag tag which contains the detonator’s unique ID. The user scans this label to capture the ID and links it with a firing time derived from SHOTPlus® Tunnel. Once all detonators are connected to the harness wire at the face the Scanner 260 or Test Box or Tester can be used to test all detonators.

Key Benefits
- Reliable, effective and safe blasting is achieved because of the rugged, proven construction of the eDev™ II detonator, with testability at the face
- Efficient operations at the face are afforded by the convenient packaging, glove-friendly connector and duplex harness wire
- Predictable blasting results with minimal vibration and overbreak and improved advance per round are achievable because of the programmability and high precision of eDev™ II electronic detonators
- Reliable initiation of boosters and explosives is achieved by the full strength base charge in the eDev™ II detonator
- Reduced inventory frees up working capital because eDev™ II detonators are fully programmable; any delay between 0 and 20,000ms is always in your magazine

Technical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wire color</td>
<td>Yellow</td>
</tr>
<tr>
<td>Connector color</td>
<td>Orange</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>20 kg / 55 lbs.</td>
</tr>
<tr>
<td>Explosives charge weight</td>
<td>900 mg</td>
</tr>
<tr>
<td>Shell material</td>
<td>Copper alloy</td>
</tr>
<tr>
<td>Shell length x diameter</td>
<td>89 x 7.6 mm</td>
</tr>
<tr>
<td>Max delay time</td>
<td>20,000 ms</td>
</tr>
<tr>
<td>Precision (Std Dev / Mean)</td>
<td>±0.01%</td>
</tr>
</tbody>
</table>

Sleep-Time Within Blastholes
The recommended maximum sleep time is 21 days. Sleep time is dependent on ground water conditions. Orica Technical Services Representative should be consulted if special conditions exist.

Any boosters used with the eDev™ II detonators must have a detonator well deep enough to completely contain the plastic connector joining the down wire to minimize risk of breakage and signal failure.
Packaging

eDev™ II detonators are available in the following lengths and packaging:

<table>
<thead>
<tr>
<th>Leg Wire Length</th>
<th>eDev™ II 1.1 B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Units / Case</td>
<td>Gross Weight (kg / lb)</td>
</tr>
<tr>
<td>4 m (13 ft)</td>
<td>90</td>
</tr>
<tr>
<td>5 m (16 ft)</td>
<td>85</td>
</tr>
<tr>
<td>6 m (20 ft)</td>
<td>80</td>
</tr>
<tr>
<td>7 m (23 ft)</td>
<td>75</td>
</tr>
<tr>
<td>8 m (26 ft)</td>
<td>70</td>
</tr>
<tr>
<td>15 m (50 ft)</td>
<td>40</td>
</tr>
</tbody>
</table>

Storage and Handling

Product Classification

Authorized Name: eDev™ II
Correct Shipping Name: Detonators, Electric for blasting
UN No: 0030
Classification: 1.1B
EX No: 2010060239

All regulations pertaining to the handling and use of such explosives apply.

Storage

Store eDev™ II detonators in a suitably licensed magazine for Class 1.1B explosives. The cases should be stacked in the manner designated on the cases.

eDev™ II detonators have a storage life of up to 5 years in an approved magazine. The product is best stored at temperatures between -20°C (-4°F) and 50°C (120°F). eDev™ II detonators may be transported at temperatures between -40°C (-40°F) and 65°C (150°F).

Disposal

Disposal of explosive materials can be hazardous. Methods for safe disposal of explosives may vary depending on the user's situation. Please contact a local Orica representative for information on safe practices.

Safety

eDev™ II detonators provide a high level of safety against initiation by static electricity, stray electrical currents and radio frequency transmissions. However, eDev™ II detonators contain pyrotechnics and molecular explosives, which can initiate under intense impact, friction or heat. As with all high explosives, these detonators must be handled and stored with care. eDev™ II detonators may only be used at temperatures up to 70°C. Seek advice from Orica for priming systems suitable for higher temperatures.

See Safety Data Sheet for more information.

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For more information please visit our website: www.orica.com
TECHNICAL DATA SHEET

eDev™ II
Electronic Detonator
USA, Canada and Mexico

Orica’s North America headquarters can be reached at:
Tel: +1 303 268 5000
Fax: +1 303 268 5250

Emergency Telephone Numbers
For chemical emergencies (24 hour) involving transportation, spill, leak, release, fire or accidents:

Canada: Orica Canada emergency response 1-877-561-3636

USA: Chemtrec 1-800-424-9300

Mexico: 01-800-002-1400