Description
Exel™ B Connector is a quick-connection unit that can initiate 5 to 20 Exel™ tubes at the same time. The standard Exel™ B Connector consists of a SL0 connector block (green) that contains a mini-detonator with no delay element. A loop of detonating cord, dimensioned to initiate a bunch of Exel™ tubes, is connected to the SL0 connector block.

Key Benefits
- Provides a high level of safety against initiation by static electricity, electric stray currents and RF transmissions at blast initiation point.
- Highly visible.
- Provides quick connection of multiple shock tubes, where simultaneous initiation of several charges close to each other is required for blasting applications on the surface and underground.
- Eliminates the risk of multiple shock tubes cut-off that might occur when initiating non-electric assemblies by means of detonating cord.

Technical Properties

<table>
<thead>
<tr>
<th>Product</th>
<th>Exel™ B Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal tube</td>
<td>Pink Exel™</td>
</tr>
<tr>
<td>- Outer diameter (mm)</td>
<td>3.0</td>
</tr>
<tr>
<td>- Nominal tensile strength</td>
<td>300 N at +20°C</td>
</tr>
<tr>
<td>- Length (m)</td>
<td>4.8, 6.0</td>
</tr>
<tr>
<td>- Shock wave propagation (m/s)</td>
<td>2000 ±100</td>
</tr>
<tr>
<td>Detonator</td>
<td></td>
</tr>
<tr>
<td>- Detonator PETN Charge (mg)</td>
<td>160</td>
</tr>
<tr>
<td>- Shell material</td>
<td>Al</td>
</tr>
<tr>
<td>Detonating Cord loop</td>
<td>Red / orange with one black countering yarn</td>
</tr>
<tr>
<td>- Outer diameter (mm)</td>
<td>4.0</td>
</tr>
<tr>
<td>- Explosive core</td>
<td>PETN</td>
</tr>
<tr>
<td>- Core load (g/m)</td>
<td>3.6 – 6.0</td>
</tr>
</tbody>
</table>

Recommendations for Use and Initiation
Exel™ B Connector are only intended for use freely hanging on the tunnel face (or from a wall, when used for applications on surface):

- Prepare a tight bunch of not less than 5 and no more than 20 Exel™ shock tubes by taping them together.
- Pass the bunch through the loop of detonating cord.
- Slid the SL connector block towards the bunch.
- Press the lid of SL connector to locking position.

- Several bunches of Exel™ shock tubes can be initiated at the same time. Put free ends of 2 or more Exel™ B Connector together and pull them away from the face (or the wall). No Exel™ B Connector or part of the detonating cord loop should be closer than 20 cm to an adjacent Exel™ tube.
Exel™ B Connector can be reliably initiated with:

- Exel™ Starter
- an approved blasting machine for shock tube initiation, e.g. Exel™ Start DS2 or Exel™ Start HN1
- electric (e.g. Dynadet™), non-electric (e.g. Exel™ MS) or electronic detonators (e.g. uni tronic™ 600 or i-kon™ II)

**Packaging**
Exel™ B Connector are packed into plastic or aluminium bags inside cardboard cases. All units within a case have the same tube length and delay.

<table>
<thead>
<tr>
<th>Tube length (m)</th>
<th>Qty per bag (1.1B)</th>
<th>Qty per box (1.1B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.8</td>
<td>10</td>
<td>60</td>
</tr>
<tr>
<td>6.0</td>
<td>10</td>
<td>60</td>
</tr>
</tbody>
</table>

Other delays or tube lengths maybe available upon request. Please ask your local Orica representative for further information.

**Storage and Handling**

**Product Classification**
Authorised Name: Exel™ B Connector
Proper Shipping Name: Detonator assemblies, non-electric
UN No: 0360
Classification: 1.1B
EC Type Certificate: ENB/D/009/15

Exel™ B Connector should be stored in a dry detonator magazine licensed for explosives. Stacks of cases should be no more than 2 meters high.

Exel™ B Connector may be used in temperatures from -45 ºC up to 50 ºC. Exel™ B Connector detonators have a shelf life of 2 years.

**Disposal**
Disposal of explosives 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**
Avoid damage to the shock tube. Never pull so hard as to stretch or break shock tubing. A premature initiation may result.

Exel™ B Connector consist of a mini-detonator in a surface block and a loop of detonating cord.

Exel™ B Connector contain sensitive explosives, which can initiate under intense impact, friction or heat. As with all explosives Exel™ B Connector must be handled and stored with care.

**Training**
This Technical Data Sheet is for information only. The Exel™ system including the Exel™ B Connector should only be used by personnel who have been properly trained to use this system.

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Orica Sweden AB
Gyttorp
713 82 Nora
Sweden
Phone: +46 587 85000
Fax: +46 587 25345
Email: info.gyse@orica.com

**Emergency Telephone Number**
Within Sweden: +46 20 850001
Outside Sweden: contact local representative