**APPLICATION:**

The Shock Tube Detonator is designed to initiate explosives and other energetic materials. The Shock Tube Detonator is compatible with munitions, cap wells, detonating cords, high explosives and lead-in-lines.

- Military demolitions
- Explosive ordnance disposal
- Minefield clearance
- Explosive testing
- Breaching
- Special applications

**PROPERTIES:**

- Not sensitive to EMF
- Water resistant
- Substitute for detonating cord
- Available in varied lengths
- Instant or delayed configurations
- Military strength detonators
- High abrasion resistance

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**SHOCK TUBE DETONATOR**

The Shock Tube Detonator is a linear signal transmission device designed to transmit an energetic signal through shock tube to a detonator. Shock tube is a hollow extruded tube containing a thin layer of energetic materials on its inner diameter. Once initiated, the shock tube transmits a signal to a detonating output charge, typically incorporating an instantaneous output or a pre-determined delay. Shock Tube Detonator is available with an optional patented in-line initiator consisting of a threaded adapter and a pre-installed percussion primer providing convenient and reliable initiation.

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**OPERATION:**

Ensign-Bickford Aerospace & Defense Company (EBAD) has configurations to save logistical footprint and aid in deployment. Most detonators are available in a 1.4S configuration to maximize ease of transport. The Dual Shock Tube Detonator allows for dual path redundancy from the point of initiation to the target. “Minitube” (0.085 inches, 2 mm) detonator assemblies exhibit decreased coil memory over standard 0.118 inches (3mm) shock tube assemblies. In addition, “Minitube” provides a 40% reduction in weight and volume.

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**AVAILABLE CONFIGURATIONS**

<table>
<thead>
<tr>
<th>SHOCK TUBE</th>
<th>COLOR OPTIONS</th>
<th>INITIATION END OPTIONS</th>
<th>OUTPUT END OPTIONS</th>
<th>PACKAGING OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.085 Single</td>
<td>Blue (Training Only)</td>
<td>Standard In-line Initiator</td>
<td>Instant Detonator (Military Strength)</td>
<td>Spool</td>
</tr>
<tr>
<td>0.085 Dual</td>
<td>Clear</td>
<td>Universal In-line Initiator (Universal Nut)</td>
<td>Delay Detonator, 3.8s (Military Strength)**</td>
<td>Figure 60</td>
</tr>
<tr>
<td>0.118 Single</td>
<td>Orange</td>
<td>Fathead In-line Initiator (with M81 Type Firing Assembly)</td>
<td>Delay Detonator, 6.4s (Military Strength)**</td>
<td>FanPak</td>
</tr>
<tr>
<td>0.118 Dual</td>
<td>Yellow</td>
<td>Heat Seal</td>
<td>Delay Detonator, 9.6s (Military Strength)**</td>
<td>Coil</td>
</tr>
</tbody>
</table>

* All configurations begin with part number D11338
** Other delay times available upon request