### Technical Information

**APPLICATION:**
The Time Delay Firing head assembly permits underbalance/overbalance perforating through a pressure actuated firing head employing a time delay fuse.

**TOOL SPECIFICATION:**
- **Diameter:** 3.375 inch (85.73 mm) OD
- **Collapse rating:** 13,000 psi (896.3 bar)
- **Tensile rating:** 188,400 lbs (85,456 kg)

**EXPLOSIVES:**
A-1A, Tungsten Delay, Output Charge: PYX (total 0.0305 kg) Primer: Primer Mix: 35 mgs TiKP/Glass

**TEMPERATURE LIMITS:**
350°F / 177°C  500 h

**PERFORMANCE:**
Initiates detonation of an oilfield detonation cord booster.
Ambient Delay: 6 minutes 30 sec +/- 30 sec
At 435°F: 4 min. 16 sec approx.

**SHELF LIFE:**
5 years when stored unopened in original packaging. Storage temperature:
0°C / 32°F min  54°C / 130°F max

**DISPOSAL:**
Dispose of product not suitable for oilfield use according to applicable laws and regulations.

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**Packing Information**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity per box</td>
<td>1 piece</td>
</tr>
<tr>
<td>Gross weight per box</td>
<td>31.38 kg (69 lbs)</td>
</tr>
<tr>
<td>Net weight per box</td>
<td>26.05 kg (57.3 lbs)</td>
</tr>
<tr>
<td>NEC per box</td>
<td>0.0305 Kg</td>
</tr>
<tr>
<td>Box dim</td>
<td>80.3 X 14 X 22 cm</td>
</tr>
<tr>
<td></td>
<td>31.6 X 5.5 X 8.7 in</td>
</tr>
<tr>
<td>Package type</td>
<td>Wooden overpack box with cardboard padding in a V shape for cushioning (may also include fiber paper.)</td>
</tr>
</tbody>
</table>

Product Designation: HRS-APRV-001

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