## 4.625 In. 6 SPF, RDX, DP, 32 Grams, Shaped Charge

### Part No.: 100005322

### PROPER SHIPPING NAME

<table>
<thead>
<tr>
<th>CE Certificate No.: CE0519, ENB/B/035</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT EX No.: EX1996080028</td>
</tr>
</tbody>
</table>

### PROPER SHIPPING NAME

UN0440, CHARGES, SHAPED, 1.4D, PG II

### Technical Information

#### APPLICATION:
Shaped charge for oilfield use.

#### EXPLOSIVES:
- **Booster**: Pure RDX, 1g
- **Main load**: Desensitized RDX, 31g

#### TEMPERATURE LIMITS:
- 325 F / 162 C 1 h
- 260 F / 125 C 24 h
- 225 F / 107 C 100 h

#### PERFORMANCE:
- **Hole Diameter**: 0.49 in (12.45 mm)
- **Penetration**: 31.56 in (801.62 mm)

#### SHELF LIFE:
- 10 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.

### Packing Information

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity per box</td>
<td>50 pieces</td>
</tr>
<tr>
<td>Gross weight per box</td>
<td>12.25 kg (27 lb)</td>
</tr>
<tr>
<td>Net weight per box</td>
<td>10.43 kg (23 lb)</td>
</tr>
<tr>
<td>NEC per box</td>
<td>1.6000 kg</td>
</tr>
<tr>
<td>Box dim:</td>
<td>45.7 x 30.5 x 16.5 cm</td>
</tr>
<tr>
<td></td>
<td>18 x 12 x 6.5 in</td>
</tr>
<tr>
<td>Package type</td>
<td>Trays with desiccant enclosed</td>
</tr>
<tr>
<td></td>
<td>by vacuum bag, then placed</td>
</tr>
<tr>
<td></td>
<td>inside fibreboard box.</td>
</tr>
</tbody>
</table>

Product Designation: HES-APRV-004

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**Technical Drawing**

**APPLICATION:**
Shaped charge for oilfield use.

**PERFORATING SYSTEM SPECIFICATION** (w/ hot finished steel):
- Diameter: 4.625 inch (117.5 mm) OD
- Collapse rating: 18,000 psi (1,241 bar)
- Tensile rating: 385,000 lb (174,633 kg)

**EXPLOSIVES:**
- Booster: Pure RDX, 1g
- Main load: Desensitized RDX, 31g
  - Density: > 1.5 g/cm³

**TEMPERATURE LIMITS:**
- 325 F / 162 C 1 h
- 260 F / 125 C 24 h
- 225 F / 107 C 100 h

**PERFORMANCE:**
- **Hole Diameter**: 0.49 in (12.45 mm)
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