# Venting Device, Shaped Charge, HNS

<table>
<thead>
<tr>
<th>Part No.: 101288565</th>
<th>PROPER SHIPPING NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE Certificate No.: CE0519, ENB/B/040</td>
<td>UN0440, CHARGES, SHAPED, 1.4D, PG II</td>
</tr>
<tr>
<td>DOT EX No.: EX1996080028</td>
<td></td>
</tr>
</tbody>
</table>

## Technical Drawing

1. Case
2. Liner
3. Explosive, booster
4. Explosive, main
5. Kapton disk
6. Paint
7. Ring, Retainer

## Packing Information

- Quantity per box: 10 pieces
- Gross weight per box: 1.36 kg (3 lb)
- Net weight per box: 0.29 kg (0.65 lb)
- NEC per box: 0.0360 kg
- Box dim: 27.9 x 21.6 x 16.5 cm (11 x 8.5 x 6.5 in)
- Package type: Trays with desiccant enclosed by vacuum bag, then placed inside fibreboard box.

Product Designation: HES-APRV-004

## Technical Information

**APPLICATION:**

Shaped charge for oilfield use

**PERFORATING SYSTEM**

SPECIFICATION (w/ cold drawn steel):
- Diameter: N/A
- Collapse rating: N/A
- Tensile rating: N/A

**EXPLOSIVES:**

- Booster: Pure HNS, 0.1g
- Main load: Desensitized HNS, 3.5 g
- Density: > 1.5 g/cm³

**TEMPERATURE LIMITS:**

- 525 F / 274 C for 1 h
- 475 F / 246 C for 24 h
- 450 F / 232 C for 100 h

**PERFORMANCE:**

Charge is designed to penetrate membranes for fluid communication only.

**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.