# 4 in Millennium™ RDX 39g Shaped Charge

<table>
<thead>
<tr>
<th>Part No.: 101355271</th>
<th>PROPER SHIPPING NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE Certificate No.: N/A</td>
<td>UN0440, CHARGES, SHAPED, 1.4D, PG II</td>
</tr>
<tr>
<td>DOT EX No.: EX1996080028</td>
<td></td>
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</tbody>
</table>

## Technical Drawing

![Diagram of the shaped charge with dimensions and components labeled]

### Components
1. Case
2. Liner
3. Explosive, booster
4. Explosive, main
5. Glue ring

## Technical Information

### APPLICATION:
Shaped charge for oilfield use

### PERFORATING SYSTEM
SPECIFICATION (w/ cold drawn steel):
- Diameter: 4 inch (101.6 mm) OD
- Collapse rating: 20,000 psi (1,381 bar)
- Tensile rating: 278,000 lbs (126,099 kg)

### EXPLOSIVES:
- Booster: Pure RDX, 1g
- Main load: Desensitized RDX, 38 g
- 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:
Manufacturing quality control data:
- Hole Diameter: .42 in (10.67 mm)
- Penetration: 51.68 in (1312.67 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>Quantity per box:</th>
<th>40 pieces</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross weight per box:</td>
<td>21.77 kg (48 lb)</td>
</tr>
<tr>
<td>Net weight per box:</td>
<td>19.84 kg (43.7 lb)</td>
</tr>
<tr>
<td>NEC per box:</td>
<td>1.5600 kg</td>
</tr>
<tr>
<td>Box dim:</td>
<td>45.7 x 30.5 x 20.3 cm</td>
</tr>
<tr>
<td>Package type:</td>
<td>Trays with desiccant enclosed by vacuum bag, then placed inside fibreboard box.</td>
</tr>
</tbody>
</table>

Product Designation: HES-APRV-004

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Jet Research Center, a division of Halliburton Energy Services, Inc.
8432 South I-35W
Alvarado, Texas 76009-9775
USA

Tel.: +1 817.761.2000