# 220 MaxForce® FLOW, HMX, ZINC Shaped Charge

<table>
<thead>
<tr>
<th>Part No.: 102185516</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.: EX2009050356</td>
<td></td>
</tr>
</tbody>
</table>

## Technical Drawing

![Technical Drawing Image](image)

## Packing Information

<table>
<thead>
<tr>
<th>Quantity per box:</th>
<th>50 pieces</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gross weight per box:</td>
<td>7.93 kg (17.49 lb)</td>
</tr>
<tr>
<td>Net weight per box:</td>
<td>6.12 kg (13.50 lb)</td>
</tr>
<tr>
<td>NEC per box:</td>
<td>1.100 kg</td>
</tr>
<tr>
<td>Box dim:</td>
<td>45.7 x 30.5 x 12.7 cm</td>
</tr>
<tr>
<td></td>
<td>18 x 12 x 5 in</td>
</tr>
</tbody>
</table>

Package type: Trays with desiccant enclosed by vacuum bag, then placed inside fibreboard box with conical cavities facing inward.

Product Designation: BH-HMX-022

## Technical Information

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

**PERFORATING SYSTEM**
SPECIFICATION (w/ cold drawn steel):
- Diameter: 3.12 inch (79.25 mm) OD
- Collapse rating: 25,000 psi (1,724 bar)
- Tensile rating: 235,000 lbs (16,203 kg)

**EXPLOSIVES:**
- Booster: Pure HMX, 1g
- Main load: Desensitized HMX, 21 g
- Density: > 1.5 g/cm³

**TEMPERATURE LIMITS:**
- 400 F / 204 C 1 h
- 338 F / 170 C 24 h
- 310 F / 154 C 100 h

**PERFORMANCE:**
Manufacturing quality control data:
- Hole Diameter: 0.84 in (21.3 mm)
- Penetration: 5.7 in (144.78 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.

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