# 1.687 In DynaStar HMX Capsule Shaped Charge

<table>
<thead>
<tr>
<th>Part No.: 100005449</th>
<th>PROPER SHIPPING NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE Certificate No.: ENB/B/044</td>
<td>UN0441, CHARGES, SHAPED, 1.4S, PG II</td>
</tr>
<tr>
<td>DOT EX No.: EX1993040143</td>
<td></td>
</tr>
</tbody>
</table>

## Technical Drawing

![Technical Drawing](image)

## Technical Information

### APPLICATION:
Shaped charge for oilfield use

### PERFORATING SYSTEM
**SPECIFICATION (Strip Carrier):**
- Diameter: 1.71 inch (43.4 mm) OD
- Collapse rating: 14,000 psi (965 bar)
- Tensile rating: N/A

### EXPLOSIVES:
- Booster: Pure HMX, 2g
- Main load: Desensitized HMX, 11.5 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: 0.41 in (10.4 mm)
- Penetration: 9.38 in (238 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>100 pieces</td>
</tr>
<tr>
<td>Gross weight per box:</td>
<td>18.16 kg (40 lb)</td>
</tr>
<tr>
<td>Net weight per box:</td>
<td>17.24 kg (38 lb)</td>
</tr>
<tr>
<td>NEC per box:</td>
<td>1.3500 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>
<tr>
<td>Package type:</td>
<td>Trays with desiccant enclosed by vacuum bag, then placed inside fibreboard box.</td>
</tr>
</tbody>
</table>

Product Designation: C1683425

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