# 1.6875 in. MaxForce® Deep Star™ HMX 8G Shaped Charge

**Part No.:** 101521848  
**CE Certificate No.:** CE0519, ENB/B/044  
**DOT EX No.:** EX2006100158

## Proper Shipping Name

UN0440, CHARGES, SHAPED, 1.4D, PG II

## Technical Information

### APPLICATION:
Shaped charge for oilfield use

### Perforating System Specification (Strip Carrier):
- Diameter: 1.6875 inch (42.9 mm) OD  
- Collapse rating: 15,000 psi (1,034 bar)  
- Tensile rating: N/A

### Explosives:
- Booster: Pure HMX, 1g  
- Main load: Desensitized HMX, 7 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:
- Registered API 19B Section 1 data:  
  - Hole Diameter: 0.27 in (6.86 mm)  
  - Penetration: 19.9 in (505.46 mm)  
- Manufacturing quality control data:  
  - Hole Diameter: 0.29 in (7.4 mm)  
  - Penetration: 16.2 in (411.5 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>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quantity per box</td>
<td>100 pieces</td>
</tr>
<tr>
<td>Gross weight per box</td>
<td>13.35 kg (29.44 lb)</td>
</tr>
<tr>
<td>Net weight per box</td>
<td>11.03 kg (24.32 lb)</td>
</tr>
<tr>
<td>NEC per box</td>
<td>0.8000 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 with conical cavities facing inward.</td>
</tr>
<tr>
<td>Product Designation</td>
<td>101521848</td>
</tr>
</tbody>
</table>

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