# 3.125 In Millennium® DP HMX Shaped Charge

<table>
<thead>
<tr>
<th>Part No.: 101366678</th>
<th>PROPER SHIPPING NAME</th>
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</thead>
<tbody>
<tr>
<td>CE Certificate No.: CE0519, ENB/B/036</td>
<td>UN0440, CHARGES, SHAPED, 1.4D, PG II</td>
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<tr>
<td>DOT EX No.: EX1996080028</td>
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## Technical Drawing

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

## Packing Information

- **Quantity per box:** 50 pieces  
- **Gross weight per box:** 15.83 kg (34.9 lb)  
- **Net weight per box:** 13.48 kg (29.72 lb)  
- **NEC per box:** 1.0500 kg  
- **Box dim:** 45.7 x 30.5 x 16.5 cm  
  18 x 12 x 6.5 in  
- **Package type:** Trays with desiccant enclosed by vacuum bag, then placed inside fibreboard box.

## Technical Information

**APPLICATION:**  
Shaped charge for oilfield use  

**PERFORATING SYSTEM**  
**SPECIFICATION (w/ cold drawn steel):**
- **Diameter:** 3.125 inch (79.4 mm) OD  
- **Collapse rating:** 24,000 psi (1,655 bar)  
- **Tensile rating:** 170,000 lb (77111 kg)

**EXPLOSIVES:**
- **Booster:** Pure HMX, 1g  
- **Main load:** Desensitized HMX, 20 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:** 0.37 in (9.4 mm)  
  - **Penetration:** 35.3 in (897 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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