# 1.5625 OD Tubing Puncher, HMX, .375 max Shaped Charge

<table>
<thead>
<tr>
<th>Part No.: 101434900</th>
<th>PROPER SHIPPING NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE Certificate No.: CE0519, ENB/B/036</td>
<td>UN0440, CHARGES, SHAPED, 1.4D, PG II</td>
</tr>
<tr>
<td>DOT EX No.: EX1996080028</td>
<td></td>
</tr>
</tbody>
</table>

## Technical Drawing

![Technical Drawing](image)

1. Case
2. Liner
3. Explosive, booster
4. Explosive, main
5. Glue ring
6. Red paint (liner)
7. Red paint dot

## Technical Information

### APPLICATION:
Shaped charge for oilfield use

### PERFORATING SYSTEM SPECIFICATION (w/ cold drawn steel):
- Diameter: 1.562 inch (39.7 mm) OD
- Collapse rating: 20,000 psi (1,379 bar)
- Tensile rating: 70,000 lb (31.746 kg)

### EXPLOSIVES:
- Booster: Pure HMX, 0.5g
- Main load: Desensitized HMX, 2.0 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:
Circulation charge designed to penetrate up to .375 (9.7mm) maximum thick tubing or casing

### 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.

D00283445 Rev. B

---

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

Tel.: +1 817.761.2000