# 7 in. Mirage™ 18 SPF, HMX, BH Shaped Charge, 40 g

<table>
<thead>
<tr>
<th>Part No.: 101833421</th>
<th>PROPER SHIPPING NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE Certificate No.: CE0519, ENB/B/036</td>
<td>UN0059, CHARGES, SHAPED, 1.1D, PG II</td>
</tr>
<tr>
<td>DOT EX No.: EX2009020083</td>
<td></td>
</tr>
</tbody>
</table>

## Technical Drawing

- Diameter: 7 inch (177.8 mm) OD
- Collapse rating: 15,000 psi (1,034 bar)
- Tensile rating: 802,000 lb (363,700 kg)

## PACKING INFORMATION

- Quantity per box: 30 pieces
- Gross weight per box: 8.56 kg (18.87 lb)
- Net weight per box: 6.38 kg (14.07 lb)
- NEC per box: 1.2000 kg
- Box dim: 45.7 x 30.5 x 20.3 cm
- 18 x 12 x 8 in
- Package type: Trays with desiccant enclosed by vacuum bag, then placed inside fibreboard box.

## PRODUCT DESIGNATION

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

## Technical Information

### APPLICATION

Shaped charge for oilfield use

### PERFORATING SYSTEM

**SPECIFICATION:**
- Diameter: 7 inch (177.8 mm) OD
- Collapse rating: 15,000 psi (1,034 bar)
- Tensile rating: 802,000 lb (363,700 kg)

### EXPLOSIVES:

- Booster: Pure HMX, 1g
- Main load: Desensitized HMX, 39 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: 1.12 in (28.4 mm)
- Penetration: 7.64 in (194 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.

---

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

Tel.: +1 817.761.2000