3.5 in Mirage™ Super Hole HMX 15 g Shaped Charge

**Part No.:** 101542642

**CE Certificate No.:** CE0519, ENB/B/036

**DOT EX No.:** EX1996080028

### PROPER SHIPPING NAME

UN0440, CHARGES, SHAPED, 1.4D, PG II

### Technical Info

**APPLICATION:**

Shaped charge for oilfield use

**PERFORATING SYSTEM**

**SPECIFICATION** (w/ hot finish steel):

- **Diameter:** 3.500 inch (88.9 mm) OD
- **Collapse rating:** 23,000 psi (1,585 bar)
- **Tensile rating:** 238,000 lb (107,955 kg)

**EXPLOSIVES:**

- **Booster:** Pure HMX, 1g
- **Main load:** Desensitized HMX, 14 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:** 0.65 in (16.51 mm)
- **Penetration:** 4.2 in (106.68 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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### Packing Information

- **Quantity per box:** 50 pieces
- **Gross weight per box:** 5.13 kg (11.3 lb)
- **Net weight per box:** 3.18 kg (7 lb)
- **NEC per box:** 0.7500 kg
- **Box dim:** 45.7 x 30.5 x 12.7 cm
- **18 x 12 x 5 in**
- **Package type:** Trays with desiccant enclosed by vacuum bag, then placed inside fibreboard box.

**Product Designation:** HES-APRV-004