# 390 MaxForce®, HMX, SDP, Shaped Charge

**Part No.:** 102054947

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

**DOT EX No.:** EX1996080028

## Technical Drawing

![Technical Drawing](image)

## Packing Information

- **Quantity per box:** 40 pieces
- **Gross weight per box:** 26.05 kg (57.5 lb)
- **Net weight per box:** 24.10 kg (53.1 lb)
- **NEC per box:** 1.5600 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 with conical cavities facing inward.

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

## Technical Information

**APPLICATION:**
Shaped charge for oilfield use

**PERFORATING SYSTEM SPECIFICATION:**
- **Diameter:** 4-5/8 inch (117.5 mm) OD
- **Collapse rating:** 18,000 psi (1,241 bar)
- **Tensile rating:** 385,000 lbs (174,600 kg)

**EXPLOSIVES:**
- **Booster:** Pure HMX, 1g
- **Main load:** Desensitized HMX, 38 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:**
- **Hole Diameter:** 0.34 in (8.63 mm)
- **Penetration:** 45.1 in (1145.5 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.

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