# 4 5/8 in. HMX DP Shaped Charge

**Technical Drawing**

![Diagram of the 4 5/8 in. HMX DP Shaped Charge](image)

**Technical Information**

**APPLICATION:**
Shaped charge for oilfield use

**PERFORATING SYSTEM**
SPECIFICATION (w/ cold drawn steel):
- Diameter: 4.62 inch (117.3 mm) OD
- Collapse rating: 20,000 psi (1,379 bar)
- Tensile rating: 414,000 lbs (187,787 kg)

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

**TEMPERATURE LIMITS:**
- 400 F / 204 C 1 h
- 338 F / 170 C 24 h
- 310 F / 154 C 100 h

**PERFORMANCE:**
- Hole Diameter: 0.47 in (11.94 mm)
- Penetration: 30.20 in (767.1 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.

---

**Packing Information**

- **Quantity per box:** 50 pieces
- **Gross weight per box:** 12.25 kg (27 lbs)
- **Net weight per box:** 10.43 kg (23 lbs)
- **NEC per box:** 1.60 kg
- **Box dim:** 46.2 x 30.4 x 15 cm
- **18 x 12 x 6 in**
- **Package type:** Trays with desiccant enclosed by vacuum bag, then placed inside fibreboard box.

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

---

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

Tel.: +1 817.761.2000