## 4.625 in. OMNI™ HMX DP, Steel, 23 g Shaped Charge

### Technical Drawing

![Diagram of the shaped charge](image)

### Application

Shaped charge for oilfield use

### Perforating System

**Specification (w/ cold drawn steel):**
- Diameter: 4.625 inch (117.5 mm) OD
- Collapse rating: 19,000 psi (1,310 bar)
- Tensile rating: 385,000 lbs (174,633 kg)

### Explosives

- **Booster:** Pure HMX, 1g
- **Main load:** Desensitized HMX, 22 g
- Density: > 1.5 g/cm³

### Temperature Limits

- 400 F / 204 C for 1 h
- 338 F / 170 C for 24 h
- 310 F / 154 C for 100 h

### Performance

**Manufacturing quality control data:**
- Hole Diameter: .37 in (9.4 mm)
- Penetration: 16.09 in (408.7 mm)

### Shelve Life

10 years when stored unopened in original packaging. Storage temperature:
- 0 C / 32 F for 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:** 14.83 kg (32.7 lb)
- **Net weight per box:** 13.15 kg (29 lb)
- **NEC per box:** 1,1500 kg
- **Box dim:** 45.7 x 30.5 x 12.7 cm
- **Package type:** Trays with desiccant enclosed by vacuum bag, then placed inside fibreboard box.
- **Product Designation:** HES-APRV-004

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