3.375 in Millennium™ SDP HMX 25G Shaped Charge

**Technical Information**

**APPLICATION:**
Shaped charge for oilfield use

**PERFORATING SYSTEM SPECIFICATION (w/ cold drawn steel):**
- Diameter: 3.375 inch (86 mm) OD
- Collapse rating: 25,000 psi (1,725 bar)
- Tensile rating: 238,000 lb (107,955 kg)

**EXPLOSIVES:**
- Booster: Pure HMX, 1g ± 0.05g
- Main load: Desensitized HMX, 24g ± 0.1 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:**
- Registered API 19B Section 1 data:
  - Hole Diameter: 0.45 in (11.4 mm)
  - Penetration: 37.5 in (953 mm)
- Manufacturing quality control data:
  - Hole Diameter: 0.48 in (12.2 mm)
  - Penetration: 34.3 in (871.2 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: 17.69 kg (39 lb)
- Net weight per box: 15.21 kg (33.5 lb)
- NEC per box: 1.2500 kg
- Box dim: 45.7 x 30.5 x 16.5 cm
  18 x 12 x 6.5 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

**PROPER SHIPPING NAME**
UN0440, CHARGES, SHAPED, 1.4D

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