**4.625 in. MILLENIUM® II, HMX, 39G Shaped Charge**

**Part No.:** 101702911

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

**DOT EX No.:** EX1996080028

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### Technical Information

**APPLICATION:**
Shaped charge for oilfield use

**PERFORATING SYSTEMS:**
- 4 ½ INCH GUN SYSTEMS
- 4 ⅝ INCH GUN SYSTEMS
- 7 INCH GUN SYSTEMS

**EXPLOSIVES:**
- Booster: Pure HMX, 1.0 g ± 0.1g
- Main load: Desensitized HMX, 38.0 g ± 0.2g
- 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: 0.39 in (9.91 mm)
- Penetration: 47.50 in (1206.50 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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**Technical Drawing**

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**Packing Information**

- **Quantity per box:** 30 pieces
- **Gross weight per box:** 19.5 kg (43.0 lbs.)
- **Net weight per box:** 17.6 kg (38.7 lbs.)
- **NEC per box:** 1.17 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 fiberboard box with conical cavities facing inward.

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

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