**Technical Drawing**

```
  6
      |   1
  5   |    |
  4   |    |
  3   |    | 2
  1   |    | 0

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

**Technical Information**

**APPLICATION:**
- Shaped charge for oilfield use

**PERFORATING SYSTEM SPECIFICATION (w/ hot finished):**
- Diameter: 4-5/8 inch (117.5 mm) OD
- Collapse rating: 19,000 psi (1,310 bar)
- Tensile rating: 414,000 lb (187,787 kg)

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

**TEMPERATURE LIMITS:**
- 325 F / 162 C 1 h
- 260 F / 125 C 24 h
- 225 F / 107 C 100 h

**PERFORMANCE:**
- Hole Diameter: 0.36 in (9.14 mm)
- Penetration: 20.38 in (517.65 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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**Packing Information**

- Quantity per box: 50 pieces
- Gross weight per box: 14.65 kg (32.3 lb)
- Net weight per box: 12.70 kg (28 lb)
- NEC per box: 1.1500 kg
- Box dim: 45.7 x 30.5 x 12.7 cm
- 18 x 12 x 5 in
- Package type: Trays with desiccant enclosed by vacuum bag, then placed inside fibreboard box.

- Product Designation: HES-APRV-004

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