**2.375 in. MAXFORCE® HMX Shaped Charge**

**Part No.:** 101590845  
**CE Certificate No.:** CE0519, ENB/B/036  
**DOT EX No.:** EX1996080028

### Technical Drawing

### Technical Information

**APPLICATION:**  
Shaped charge for oilfield use

**PERFORATING SYSTEM**  
SPECIFICATION (w/ cold drawn steel):  
- Diameter: 2.375 inch (60.3 mm) OD  
- Collapse rating: 20,000 psi (1,379 bar)  
- Tensile rating: 155,000 lbs (57,852 kg)

**EXPLOSIVES:**  
Booster: Pure HMX, 1g  
Main load: Desensitized HMX, 9 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: .28 in (7.11 mm)  
- Penetration: 19.9 in (505.46 mm)  
Manufacturing quality control data:  
- Hole Diameter: .31 in (7.87 mm)  
- Penetration: 20.2 in (513.08 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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