## 230 MaxForce®– FRAC HMX 23 Grams Shaped Charge

<table>
<thead>
<tr>
<th><strong>Part No.</strong></th>
<th>102732983</th>
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<td><strong>CE Certificate No.</strong></td>
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<tr>
<td><strong>DOT EX No.</strong></td>
<td>EX2012020752</td>
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### PROPER SHIPPING NAME

UN0440, CHARGES, SHAPED, 1.4D

### Technical Information

#### APPLICATION:

Shaped charge for oilfield use.

#### EXPLOSIVES:

- **Booster**: Pure HMX, 1 g ± 0.1 g
- **Main load**: Desensitized HMX, 22 g ± 0.2 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:

Manufacturing quality control data:
- **Hole Diameter**: 0.42 in (4 ½ In casing)
- **EHD Variance**: 3.0%
- **Penetration**: 36.2 in

#### 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**: 15.27 kg (33.67 lbs)
- **Net weight per box**: 12.55 kg (27.67 lbs)
- **NEC per box**: 1.1500 kg
- **Box dim**: 45.7 x 30.5 x 16.5 cm
- **Package type**: Trays with desiccant enclosed by vacuum bag, then placed inside fibreboard box with conical cavities facing inward.
- **Product Designation**: DP-HMX-023