4.625 in. HNS, DP, 21.5 Gram Shaped Charge

Part No.: 101343830

CE Certificate No.: CE0519, ENB/B/040

DOT EX No.: EX1996080028

PROPER SHIPPING NAME

UN0440, CHARGES, SHAPED, 1.4D, PG II

Technical Drawing

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

Technical Information

APPLICATION:
Shaped charge for oilfield use

PERFORATING SYSTEM
SPECIFICATION (w/ cold drawn steel):
- Diameter: 4.625 in. (117.5 mm) OD
- Collapse rating: 20,000 psi (1,379 bar)
- Tensile rating: 414,000 lbs (187,787 kg)

EXPLOSIVES:
Booster: Pure HMX, 0.5g
Main load: Desensitized HMX, 21 g
Density: > 1.5 g/cm³

TEMPERATURE LIMITS:
500 F / 260 C 1 h
475 F / 246 C 24 h
460 F / 237 C 100 h

PERFORMANCE:
Manufacturing quality control data:
- Hole Diameter: .33 in (8.38 mm)
- Penetration: 26.76 in (679.7 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.

Product Designation: HES-APRV-004

Quantity per box: 50 pieces
Gross weight per box: 16.51 kg (36.4 lb)
Net weight per box: 14.8 kg (32.63 lb)
NEC per box: 1.0750 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.

Jet Research Center, a division of Halliburton Energy Services, Inc.
8432 South I-35W
Alvarado, Texas 76009-9775
USA
Tel.: +1 817.761.2000