51-6985-1
PYX PERCUSSION INITIATOR
OIL FIELD ORDNANCE DEVICE

DESCRIPTION

This is a percussion fired detonator used primarily for initiating detonation of oilfield tubing conveyed perforating guns. Unit will withstand 25,000 psi through the primer cap after functioning.

MATERIAL DATA

Primer Cap: 304 CRES
Body: 17-4 PH
Closure Disk: 304 CRES

SEALING PROPERTIES

Laser Beam Girth Weld: Hermetic Seal
Closure Disk Weld: Intentionally Vented

EXPLOSIVE MATERIALS

Primer Pyrotechnic Mix: 25 mgs
Booster Primary Charge: 180 mgs
Output Secondary Charge: 300 mgs

FIRING CHARACTERISTICS

No-Fire: 7.4 ft./lbs.

All-Fire: 12.4 ft./lbs. applied at 13.42 ft./sec.

FIRING PIN CONFIGURATION

.050 Spherical Radius

PERFORMANCE

Temperature Rating: 450 deg for 100 hours 435 deg for 200 hours
Initiation Gap: Initiates detonation of an HMX or PYX Booster at a 1.25 inch gap.

OTHER

Shipping Classification: UN 1.4S
Part Number: 51-6985-1

THE DATA PRESENTED ABOVE IS FOR INFORMATION PURPOSES ONLY

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