2-350180-4 (51-8398-4)  
SLIM OUTPUT DELAY  
OIL FIELD ORDNANCE DEVICE

DESCRIPTION
This is a pyrotechnic delay element, used to provide a time for manipulation of downhole pressure and then a detonation, used to initiate detonation of oilfield tubing conveyed perforating guns.

MATERIAL DATA
Ignition end closure: Alum. Foil  
Output end closure: CRES

SEALING PROPERTIES
Ignition end: Environmental Seal  
Output end: Welded Seal

EXPLOSIVE MATERIALS
Ignition: 825 MG A-1A  
Delay: 26 GM WBKS  
Transition: 235 MG WBKS/TMAP-KP  
Transfer: 130 MG TMAP-KP  
Booster: 190 MG Lead Azide  
Output: 730 MG PYX

FIRING CHARACTERISTICS
Ignites from a percussion primer, 2-350220-1 or equivalent.

DELAY TIME
Burn Time: 6 minutes 30 ± 30 seconds at 75 ± 5 °F

PERFORMANCE
Dent Depth: .030 inch MIN in Mild Steel Block  
Output: Initiates detonation of an oilfield detonation cord booster

SHIPPING CLASSIFICATION
UN0455 1.4S  
NAME: Detonators, non-electric  
REFERENCE NUMBER: EX-9412144

EC TYPE EXAMINATION CERT
0080.EXP.03.0040

D00356701

THE DATA PRESENTED ABOVE IS FOR INFORMATION PURPOSES ONLY