Noise Flash Diversionary Device (NFDD) DT 7001SC

DESCRIPTION:
- Tactical Device: Vents axially from both ends
- Reloadable: Exhaust ports on top & bottom
- Steel Body: Small port top; single large port bottom
- Body seals w/ reloads: Pull Ring Safety Lock
- Pull Ring Safety
- Avg. Assembly Wt
- Pre Test: 25.08 oz
- Post Test: 23.17 oz

PACKAGING:
- 6.5" H 10" W 14" L 14.52 lbs 24 Reloads Cardboard tubes
- 7" H 9.25" W 12" L 12.06 lbs 8 Bodies Cardboard boxes
### FRAGMENTATION:

<table>
<thead>
<tr>
<th>TEST</th>
<th>PART S/N</th>
<th>PRE-TEST oz</th>
<th>POST TEST oz</th>
<th>IMPACTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>606602</td>
<td>4.85</td>
<td>3.50</td>
<td>0 0</td>
</tr>
<tr>
<td>22</td>
<td>606603</td>
<td>4.85</td>
<td>3.50</td>
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</tbody>
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### Impact Summary

1. **Test: 2 Could not be disassembled**
2. **3 New Body Used**
3. **8 New Body Used**
4. **11 Gas Leakage at Brass to Fuze Interface**
5. **13 Cooled Used Body**
6. **15 Cooled Used Body**
7. **17 Cooled Used Body**

### Test Notes
- Had to use small amount of anti-seize on body threads to disassemble units
- Units not to touch after test
- Must remove spent cardboard from expended unit to reload
- Fragmentation

### Impact Details

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* All impact weights w/o pull ring, body, or spoon.
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ILLUMINANCE MEASUREMENTS (W/m²)
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PRESSURE MEASUREMENTS (psi)

Secondary Peaks are Reflections and not Included in Data Analysis
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**COLLATERAL EFFECTS:**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>FIRE START</th>
<th>PROPULSION</th>
<th>DISRUPTION OF ELEMENTS</th>
</tr>
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<tbody>
<tr>
<td>Pillow</td>
<td>No flames observed, charring of object</td>
<td>&lt; 12 in</td>
<td>Yes</td>
</tr>
<tr>
<td>Cushion</td>
<td>No flames observed, charring of object</td>
<td>Rolled ≈12 in</td>
<td>No</td>
</tr>
<tr>
<td>Objects</td>
<td>No flames observed, charring of object</td>
<td>None Observed</td>
<td>Yes</td>
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</tbody>
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**PILLOW TEST**

**CUSHION TEST**

**OBJECTS TEST**