Airdrop of Supplies and Equipment: Rigging Ammunition

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United States Marine Corps
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# Airdrop of Supplies and Equipment: Rigging Ammunition

## Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>PREFACE</td>
<td>iii</td>
</tr>
<tr>
<td>Scope</td>
<td>iii</td>
</tr>
<tr>
<td>User Information</td>
<td>iii</td>
</tr>
<tr>
<td><strong>Chapter 1</strong></td>
<td></td>
</tr>
<tr>
<td>GENERAL</td>
<td>1-1</td>
</tr>
<tr>
<td>Special Instructions</td>
<td>1-1</td>
</tr>
<tr>
<td>Parachute Requirements</td>
<td>1-1</td>
</tr>
<tr>
<td>Equipment Required</td>
<td>1-1</td>
</tr>
<tr>
<td>Ammunition and Missile Rigging Tables Instructions</td>
<td>1-1</td>
</tr>
<tr>
<td>Additional Certified Munitions</td>
<td>1-1</td>
</tr>
<tr>
<td><strong>Chapter 2</strong></td>
<td></td>
</tr>
<tr>
<td>RIGGING LOW VELOCITY A-22 CARGO BAG LOADS</td>
<td>2-1</td>
</tr>
<tr>
<td>Rigging The A-22 Cargo Bag</td>
<td>2-1</td>
</tr>
<tr>
<td>Special Instructions</td>
<td>2-1</td>
</tr>
<tr>
<td>Parachute Requirements</td>
<td>2-1</td>
</tr>
<tr>
<td><strong>Chapter 3</strong></td>
<td></td>
</tr>
<tr>
<td>RIGGING HIGH VELOCITY A-22 CARGO BAG LOADS</td>
<td>3-1</td>
</tr>
<tr>
<td>Preparing A-22 Cargo Bag</td>
<td>3-1</td>
</tr>
<tr>
<td>Special Instructions</td>
<td>3-1</td>
</tr>
<tr>
<td>Parachute Requirements</td>
<td>3-1</td>
</tr>
<tr>
<td><strong>Chapter 4</strong></td>
<td></td>
</tr>
<tr>
<td>RIGGING LOW VELOCITY A-7A CARGO SLINGS AND A-21 CARGO BAG</td>
<td>4-1</td>
</tr>
<tr>
<td>Preparing A-7A Cargo Slings and A-21 Cargo Bags</td>
<td>4-1</td>
</tr>
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<td>4-1</td>
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<tr>
<td>Parachute Requirements</td>
<td>4-1</td>
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<tr>
<td><strong>Chapter 5</strong></td>
<td></td>
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<tr>
<td>RIGGING HIGH VELOCITY A-7A CARGO SLINGS AND A-21 CARGO BAG</td>
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*This publication supersedes FM 4-20.153/MCRP 4-11.3B/TO 13C7-18-41, 1 MAY 2004.
Preface

SCOPE
This manual tells and shows how to prepare and position certain types of ammunition and explosives in A-21 or A-22 cargo bags and A-7A cargo slings for low-velocity or high-velocity airdrop. This manual also lists the types of ammunition and explosives authorized to be airdropped with other low-velocity loads in FM 4-20.100/TO 13C7 (FM 10-500/TO 13C7) series manuals. These procedures apply only to items listed in this manual.

CAUTION
Explosives and ammunition must be handled with care at all times. The explosive elements in primers and fuses are sensitive to shock and high temperatures. Rigging personnel will make sure that boxes or containers of explosives and ammunition are not dropped, thrown, tumbled, or dragged. These loads contain hazardous materials, explosives or ammunition, as defined in AFMAN 24-204(l)/TM 38-250/NAVSUP PUB 505/MCO P 4030.19F/DLAI 4145.3 October 2004. Complete Round Rigging, (CRR), encompasses all necessary munitions for mission completion (for example; primers, propelling charges, projectiles, fuses) rigged on an airdrop platform or in a container. CRR is authorized only during wartime or periods of increased readiness. CRR will not be authorized during exercises. Hazardous materials must be packed, marked, and labeled according to AFMAN 24-204(l)/TM 38-250/NAVSUP PUB 505/MCO P 4030.19F/DLAI 4145.3 October 2004. Ammunition and explosives damaged by airdrop must be disposed of by qualified personnel. Follow these guidelines for hazardous materials.

Boxed ammunition. Boxed ammunition should be rigged in the position in which it is normally shipped with the box lid on top.

Proximity Fuse. Proximity fuses must be rigged in the “nose-down” position. If the fuse boxes are damaged, the fuses should not be used.

USER INFORMATION
This publication applies to the Active Army, the Army National Guard/Army National Guard of the United States, and the United States Army reserve unless otherwise stated.

The proponent of this publication is HQ, United States Army Training and Doctrine Command (TRADOC). You are encouraged to report any errors or omissions and to suggest ways of making this a better manual.

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  - Publication number and title
  - Current page number
  - Paragraph number (if applicable)
  - Line number
  - Figure or table number (if applicable)

- Nature of change
  - Addition/deletion of text
  - Proposed new text
Chapter 1
General

SPECIAL INSTRUCTIONS
1-1. The A-22 cargo bag loads shown in this manual will be rigged according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11.

*Note:* The Low Cost Aerial Delivery System (LCADS) may be used to airdrop ammunition in this manual when the ammunition is rigged according to Chapter 13 Sections I and II of FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11. LCADS may not be used for extended or double A-22 container configurations.

PARACHUTE REQUIREMENTS
1-2. The parachute requirements for low-velocity and high-velocity airdrop are given below.

- **Low-Velocity Airdrop.** The G-12E and G-14 cargo parachutes used for low-velocity airdrop do not require special preparation. These parachutes are packed according to specific manuals listed in the References. Parachute requirements are listed in Table 1-1.

- **High-Velocity Airdrop.** The primary parachutes for high-velocity airdrop are the 68-inch pilot parachute and the 12-foot or 26-foot-diameter canopy high-velocity cargo parachute. These parachutes require no special preparation and are packed according to specific manuals listed in the references. The 15-foot and 22-foot extraction cargo parachutes are authorized substitutes for the 12-foot and 26-foot high-velocity parachutes. The low cost high velocity parachute is only used on the LCADS. The parachutes are prepared according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11. Requirements for the parachutes are listed in Table 1-2.

EQUIPMENT REQUIRED
1-3. The equipment required for rigging container loads is listed in Appendix A.

AMMUNITION AND MISSILE RIGGING TABLES INSTRUCTIONS
1-4. Ammunition items are listed by type, DODIC or NALC, and NSN order in Table 1-3. The numbers under the low-velocity and high-velocity airdrop columns reference a figure number that shows how to arrange container loads. Items certified for airdrop on platforms for low-velocity airdrop are rigged according to specific FM 4-20.100/TO 13C7 (FM 10-500/TO 13C7) series manuals. Missiles are listed in Table 1-4.

ADDITIONAL CERTIFIED MUNITIONS
1-5. The munitions listed in Table 1-5 are certified for airdrop when rigged according to procedures in specific FM 4-20.100/TO 13C7 (FM 10-500/TO 13C7) series manuals.
Table 1-1. Parachute Requirements for Low-Velocity Airdrop

<table>
<thead>
<tr>
<th>Parachute</th>
<th>Minimum</th>
<th>Maximum</th>
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</thead>
<tbody>
<tr>
<td>One 68-inch pilot</td>
<td>30</td>
<td>50</td>
</tr>
<tr>
<td>Three 68-inch pilot</td>
<td>51</td>
<td>200</td>
</tr>
<tr>
<td>One G-14</td>
<td>200</td>
<td>500</td>
</tr>
<tr>
<td>Two G-14</td>
<td>501</td>
<td>1000</td>
</tr>
<tr>
<td>*Three G-14</td>
<td>1,001</td>
<td>1,500</td>
</tr>
<tr>
<td>One G-12E</td>
<td>501</td>
<td>2,200</td>
</tr>
</tbody>
</table>

* Loads must be dropped one at a time.

Note: Clustering G-14 cargo parachutes should be used only when a G-12E cargo parachute is not available.

Table 1-2. Parachute Requirements for High-Velocity Airdrop

<table>
<thead>
<tr>
<th>Parachute</th>
<th>Minimum</th>
<th>Maximum</th>
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</thead>
<tbody>
<tr>
<td>One 68-inch pilot</td>
<td>75</td>
<td>150</td>
</tr>
<tr>
<td>Three 68-inch pilot</td>
<td>151</td>
<td>500</td>
</tr>
<tr>
<td>*One 12-foot high velocity</td>
<td>151</td>
<td>500</td>
</tr>
<tr>
<td>One 15-foot cargo extraction</td>
<td>151</td>
<td>500</td>
</tr>
<tr>
<td>*One 26-foot high velocity</td>
<td>501</td>
<td>2,200</td>
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<tr>
<td>**Parachute, Low Cost, High-Velocity</td>
<td>501</td>
<td>2,200</td>
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<tr>
<td>One 22-foot cargo extraction</td>
<td>501</td>
<td>2,200</td>
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* Primary parachute.
**Used on the Low Cost Aerial Delivery System only.
Table 1-3. Ammunition Rigging Table

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<td><strong>Shotgun Ammunition</strong></td>
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<td><strong>5.56-Millimeter Ammunition</strong></td>
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<td>1305-01-155-5462</td>
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### Table 1-3. Ammunition Rigging Table (continued)

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<th>Item Description</th>
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<th>A-7A/A-21 Low Velocity</th>
<th>A-7A/A-21 High Velocity</th>
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<td>.30-Caliber Ammunition</td>
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**60-Millimeter Ammunition**

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### 81-Millimeter Ammunition

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#### 105-Millimeter Ammunition

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## Table 1-3. Ammunition Rigging Table (continued)

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### Table 1-4. Missile Rigging Table

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<td>Low-Velocity Platform &amp; A-22</td>
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<td>1427-PL34</td>
<td>1427-01-422-7617</td>
<td>Guided Missile, Javelin in Aluminum Round Shipping &amp; Storage Container</td>
<td>FM 10-552</td>
<td>Low-Velocity A7/A-21 A-22 &amp; Platform</td>
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23 October 2006        FM 4-20.153/MCRP 4-11.3B/TO 13C7-18-41        1-35
### Table 1-5. Additional Certified Munitions Table

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<td>1375-M913</td>
<td>1375-01-237-5933</td>
<td>Linear Demolition Charge</td>
<td>FM 10-555/TO 13C7-3-401</td>
<td>Low-Velocity Platform</td>
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<td>1375-01-380-1350</td>
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<td>environmental plastic packs or in PA19 ammunition container</td>
<td>Chapter 9, Sec I</td>
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<td>1375-MM16</td>
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<td>FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11,</td>
<td>Low-Velocity Platform</td>
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<td>Selectable Lightweight Attack Munition (SLAM), M2, in reusable</td>
<td>FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11,</td>
<td>Low-Velocity Platform</td>
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<td>environmental plastic packs or in PA19 ammunition container</td>
<td>Chapter 4 &amp; 6, Sec III</td>
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<td>1375-MM16</td>
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1-36

FM 4-20.153/MCRP 4-11.3B/TO 13C7-18-41 23 October 2006
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<th>DODIC</th>
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<td>Holder, Blasting Cap, M9</td>
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<tr>
<td>1375-ML47</td>
<td>1375-01-415-1232</td>
<td>Cap, Blasting, Nonelectric, 30 foot Shock Tube, M11 (1.4B) Cap, Blasting, Nonelectric, 500 foot Shock Tube, M12 (1.4S)</td>
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<td>Cap, Blasting, Nonelectric, Delay, M14 (1.4S)</td>
<td>MCRP 4-11.3C/TO 13C7-1-11, Chapter 9, Sec I</td>
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<td>Cap, Blasting, Nonelectric, Delay, M15</td>
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<td>MCRP 4-11.3C/TO 13C7-1-11, Chapter 9, Sec I</td>
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<td>MCRP 4-11.3C/TO 13C7-1-11, Chapter 9, Sec I</td>
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<td>1375-MN86</td>
<td>1375-01-494-6939</td>
<td>Cap, Blasting, Dual, In-Line Initiator, Non-Electric, 200-ft Minitube, M19</td>
<td>MCRP 4-11.3C/TO 13C7-1-11, Chapter 9, Sec I</td>
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<td>1375-MN89</td>
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23 October 2006
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<td>1375-01-415-1229</td>
<td>Holder, Blasting Cap, M9</td>
<td>FM 4-20.153/ MCRP 4-11.3B/ TO 13C7-18-41, Figure 3-90 and TO 13C7-1-11, Chapter 9, Sec II</td>
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<td>1375-ML47</td>
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<td>Cap, Blasting, Nonelectric, 30 foot Shock Tube, M11 (1.4B) Cap</td>
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<tr>
<td>1375-MN02</td>
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<td>Blasting, Nonelectric, 500 foot Shock Tube, M12 (1.4S)</td>
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<tr>
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<td>1375-01-415-1231</td>
<td>Cap, Blasting, Nonelectric, 1000 foot Shock Tube, M13 (1.4S)</td>
<td>FM 4-20.103/ MCRP 4-11.3C/ TO 13C7-1-11, Chapter 9, Sec II</td>
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<td>1375-MN06</td>
<td>1375-01-415-1233</td>
<td>Cap, Blasting, Nonelectric, Delay, M14 (1.4S)</td>
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<tr>
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<td>1375-01-415-1234</td>
<td>Cap, Blasting, Nonelectric, Delay, M15</td>
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<tr>
<td>1375-MN08</td>
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<td>Ignitor, Time Blasting Fuze, M81, w/ Shock Tube Capability (1.4S)</td>
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<tr>
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<td>Cap, Blasting, In-Line Initiator, Non-Electric, 500-ft Minitube, M21</td>
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<td>Cap, Blasting, In-Line Initiator, Non-Electric, 1000-ft Minitube, M23</td>
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<td>1375-ML45</td>
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<td>Holder, Blasting Cap, M9</td>
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<td>High-Velocity A7/A-21</td>
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<td>1375-ML47</td>
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<tr>
<td>1375-MN02</td>
<td>1375-01-415-1230</td>
<td>Blasting, Nonelectric, 500 foot Shock Tube, M12 (1.4S)</td>
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<td>Cap, Blasting, Nonelectric, 1000 foot Shock Tube, M13 (1.4S)</td>
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<td>Ignitor, Time Blasting Fuze, M81, w/ Shock Tube Capability (1.4S)</td>
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<td>1375-MN39</td>
<td>1375-01-449-9601</td>
<td>Cap Blasting, Non-Electric, M16</td>
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<td>1375-01-449-9602</td>
<td>Cap, Blasting, Non-Electric, M18</td>
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<td>1375-MN86</td>
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<td>Cap, Blasting, Dual, In-Line Initiator, Non-Electric, 200-ft Minitube, M19</td>
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<td>Cap, Blasting, In-Line Initiator, Non-Electric, 1000-ft Minitube, M23</td>
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1-38   FM 4-20.153/MCRP 4-11.3B/TO 13C7-18-41     23 October 2006
Table 1-5. Additional Certified Munitions Table (continued)

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<td>***1375-MM50</td>
<td>1375-01-325-6826</td>
<td>Clipped Demolition Shaped Charge M221, in the M2A1 Shipping and Storage Container</td>
<td>FM 4-20.103/ MCRP 4-11.3C/ TO 13C7-1-11, Chapter 9, Sec I</td>
<td>Low-Velocity A-22</td>
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<td>1375-01-325-6826</td>
<td>Clipped Demolition Shaped Charge M221, in the M2A1 Shipping and Storage Container</td>
<td>FM 4-20.103/ MCRP 4-11.3C/ TO 13C7-1-11, Chapter 9, Sec II</td>
<td>High-Velocity A-22</td>
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<td>***1375-MM50</td>
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<td>Clipped Demolition Shaped Charge M221, in the M2A1 Shipping and Storage Container</td>
<td>FM 4-20.103/ MCRP 4-11.3C/ TO 13C7-1-11, Chapters 3-6, Sec I &amp; II</td>
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<td>***1375-MM50</td>
<td>1375-01-325-6826</td>
<td>Clipped Demolition Shaped Charge M221, in the M2A1 Shipping and Storage Container</td>
<td>FM 4-20.103/ MCRP 4-11.3C/ TO 13C7-1-11, Chapters 4 &amp; 6, Sec III</td>
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<td>1375-MN80</td>
<td>1375-01-482-0476</td>
<td>Remote Activation Munitions System Packed in PA108 Shipping and Storage Container</td>
<td>FM 4-20.103/ MCRP 4-11.3C/ TO 13C7-1-11, Chapters 3-6, Sec I &amp; II</td>
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<td>Firing Device, Demolition, Radio Type, M152</td>
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</table>

* These munitions must be encased in honeycomb when rigged for high-velocity airdrop.

** The following restrictions apply to the Modernized Demolition Initiators (MDI), when rigged for low-velocity airdrop.

- The containers (wooden crates) may be broken down into smaller packaging units.
  - Individual corrugated cardboard boxes.
  - Individual foil wrapped items.
  - MDI items may be rigged for airdrop up to their smallest unit of package.
- MDI items in their smallest unit of packaging must be encased in a honeycomb bin.
- No container may be rigged on top of a honeycomb bin except another honeycomb bin.
- Only honeycomb bins and corrugated cardboard boxes may be rigged on top of corrugated cardboard boxes.
- Wooden crates can only be stacked on top of other wooden crates.
- Corrugated cardboard boxes containing spools of shock tubing (M12, M13) must be positioned so the spools are lying flat on their base.
- Center the load in the A7/A-21 or A-22 container. Place honeycomb on all four sides of the bundle and secure the honeycomb with Type III nylon cord. Place a piece of honeycomb over the top of the load and position a piece of 3/4-inch plywood on top of the honeycomb. Close and secure the container.

*** These munitions must be encased in honeycomb when rigged for airdrop. Place a 3/4 by 12 by 6 1/4-inch piece of plywood between the bottom of the M2A1 Shipping and Storage Container and the bottom piece of honeycomb encasing the munitions. Secure the honeycomb encasing the munitions with tape.
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Chapter 2
Preparing Low-Velocity A-22 Cargo Bag Loads

RIGGING THE A-22 CARGO BAG

2-1. Prepare the A-22 cargo bag according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11. Position the loads in the A-22 cargo bags as shown in Figures 2-1 through 2-75.

SPECIAL INSTRUCTIONS

2-2. Follow these special instructions when rigging A-22 cargo bags for low-velocity airdrop.

- The ammunition loads are positioned in the A-22 cargo bag for low-velocity airdrop according to the figures listed in this section.
- A-22 cargo bags rigged for airdrop must NOT be more than 83 inches high, including the parachute, for C-130 aircraft and 101 inches for C-17 aircraft without prior Air Force approval. Any load that overhangs the edge of the standard 1- by 48- by 48-inch low-velocity A-22 skid must be placed lengthwise in the aircraft.

**Note:** If the length of the load exceeds 48 inches but is too short for a double A-22 cargo bag, use the rigging procedures for the stretch A-22 cargo bag in FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11 along with the skid and honeycomb layout in this manual.

- When using the CVR system, the first layer of honeycomb must be 2 inches from all sides of the skidboard.

**Note:** If the load is smaller than the length of the skidboard, place honeycomb filler sheets vertically inside the A-22 container. The length of the A-22 container should equal the length of the skidboard. This prevents the A-22 containers from shifting when the loads are restrained inside the aircraft.

**CAUTION**

Steel strapping MUST NOT be used to bind a load below the second layer of honeycomb. Steel strapping MUST NOT be used to bind honeycomb layers to the skid.

- The A-22 cargo bag must be closed and secured according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11.

PARACHUTE REQUIREMENTS

2-3. Select the correct parachute from Table 1-1. Attach the parachute to the rigged load according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11.

23 October 2006  
FM 4-20.153/MCRP 4-11.3B/TO 13C7-18-41  
2-1
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-1.

**5.56-Millimeter Ammunition**
- Cartridge, 5.56-mm, Ball, M855, (DODIC 1305-A059)
- Cartridge, 5.56-mm, Tracer, M856, (DODIC 1305-A063)
- Cartridge, 5.56-mm, Tracer, M196, (DODIC 1305-A068)
- Cartridge, 5.56-mm, Ball, M193, (DODIC 1305-A071)

**7.62-Millimeter Ammunition**
- Cartridge, 7.62-mm, Blank, M82, (DODIC 1305-A111)
- Note: M82 boxes must be oriented with the long side sitting vertically.
- Cartridge, 7.62-mm, Ball, M59 and M80, (DODIC 1305-A122)
- Cartridge, 7.62-mm, Tracer, M62, (DODIC 1305-A124)
- Cartridge, 7.62-mm, Ball, Tracer, Linked with M13 Link, M80, (DODIC 1305-A127)
- Cartridge, 7.62-mm, 5-rd Clip, M80, (DODIC 1305-A130)
- Cartridge, 7.62-mm, Ball, Tracer, Linked with M13 Link, M62, (DODIC 1305-A131)
- Cartridge, 7.62-mm, Ball, Tracer, M80/1 Linked, M62, (DODIC 1305-A131)
- Cartridge, 7.62-mm, Match, M118, (DODIC 1305-A136)
- Cartridge, 7.62-mm, Tracer, M62, (DODIC 1305-A140)
- Cartridge, 7.62-mm, Ball, M80, Linked, (DODIC 1305-A143)
- Cartridge, 7.62-mm, Tracer, M62, Clipped, (DODIC 1305-A145)
- Cartridge, 7.62-mm, Tracer, M62, Linked, (DODIC 1305-A146)

*Figure 2-1. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop*
### 9-Millimeter Ammunition
Cartridge, 9-mm, Ball, M882, (DODIC 1305-A363)

### .30-Caliber Ammunition
Cartridge, Cal .30, AP, API, 8-rd Clip, Grade R, (DODIC 1305-A205)
Cartridge, Cal .30, AP, API, M2, Linked with M1 Link, Grade MG, (DODIC 1305-A207)
Cartridge, Cal .30, AP, Linked with Tracer, (DODIC 1305-A209)
Cartridge, Cal .30, Ball, M2, (DODIC 1305-A212)
Cartridge, Cal .30, Ball, M2, Clipped, (DODIC 1305-A216)
Cartridge, Cal .30, Tracer, M1 or M25, Clipped, (DODIC 1305-A234)
Cartridge, Cal .30, Tracer, M25, Linked, (DODIC 1305-A236)

### .45-Caliber Ammunition
Cartridge, Cal .45, Ball, M1911, (DODIC 1305-A475)

### .50-Caliber Ammunition
Cartridge, Cal .50, API, M8, (DODIC 1305-A531)
Cartridge, Cal .50, API, M8, Linked, (DODIC 1305-A533)
Cartridge, Cal .50, API-T, M1/M17 Linked, (DODIC 1305-A540)
Cartridge, Cal .50, API-T, M20, (DODIC 1305-A541)
Cartridge, Cal .50, API-T, M20, Linked with M2 Link, Grade AC, (DODIC 1305-A543)
Cartridge, Cal .50, API-T, M20, Linked with M2 Link, Grade MG, (DODIC 1305-A544)
Cartridge, Cal .50, Tracer, M17, Grade MG, (DODIC 1305-A571)
Cartridge, Cal .50, Tracer, M17, Linked with M2 Link, Grade AC, (DODIC 1305-A572)
Cartridge, Cal .50, Spotter-Tracer, M48A2, (DODIC 1305-A574)
Cartridge, Cal .50, Linked, 4 API, M8, API-T, M20, (DODIC 1305-A576)
Cartridge, Cal .50, Linked, 4 API, M8, API-T, M20, (DODIC 1305-A577)
Cartridge, Cal .50, API-T, M20, Linked, (DODIC 1305-A585)
Cartridge, Cal .50, Linked, 4 API, M8, 1 API-T, M20, (DODIC 1305-A587)
Cartridge, Cal .50, Linked, 4 API, M8, 1 API-T, M20, (DODIC 1305-A589)
Cartridge, Cal .50, API Lowlite, Linked, 1 Tracer, M257, 2 MK 263, 2 MK211, 1 M20 Tracer, 4 M20, (DODIC 1305-AA50)

### Incendiary Item
Burster, Incendiary, Field, M4 without Fuze, (DODIC 1345-K010)

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**Figure 2-1. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop (continued)**
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-2.

**Shotgun Ammunition**
Cartridge, 12-gauge Shotgun, No. 00 Buckshot, M162, (DODIC 1305-A011)

**Incendiary Items**
Smoke Pot, Hexachloroethane, M5, (DODIC 1365-K866)

*Figure 2-2. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop*
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-3.

**7.62-Millimeter Ammunition**
Cartridge, 7.62-mm, Linked, 9-ball, M80, 1 Tracer, M62, (DODIC 1305-A165)
Cartridge, 7.62-mm, Linked, 9-Ball, M80, 1 Tracer, M276 (DODIC 1305-A257)

**.30-Caliber Ammunition**
Cartridge, Cal .30, AP, API, Carton, Grade R, (DODIC 1305-A201)
Cartridge, Cal .30, AP, API, Carton, Grade MG, (DODIC 1305-A202)

**.50-Caliber Ammunition**
Cartridge, Cal .50, API-T, M20, Carton, Grade MG, (DODIC 1305-A542)

Figure 2-3. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
Chapter 2

SKID AMMUNITION BOXES

HONEYCOMB LAYERS

SKID

The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-4.

.30-Caliber Ammunition
Cartridge, Cal .30, Ball, M2, Clipped, (DODIC 1305-A214)
Cartridge, Cal .30, Tracer, M1, Clipped, (DODIC 1305-A232)

.32-Caliber Ammunition
Cartridge, Cal .32, Ball, Auto, 71 Grain, (DODIC 1305-A350)

.38-Caliber Ammunition
Cartridge, Cal .38, Special, Ball, M41, (DODIC 1305-A400)

.50-Caliber Ammunition
Cartridge, Cal .50, API, M8, Carton, Grade MG or API-T, M20, (DODIC 1305-A532)
Cartridge, Cal .50, API, M8, Linked with M2 Link, Grade MG, (DODIC 1305-A534)

40-Millimeter Ammunition
Cartridge, 40-mm, HEI-T, SD, M3, (DODIC 1310-B559)

Demolition Item
Dynamite, Military, M1, (DODIC 1375-M591)

Figure 2-4. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-5.

**20-Millimeter Ammunition**
- Cartridge, 20-mm, Linked, 4 HEI/TP-T, (DODIC 1305-A653)
- Cartridge, 20-mm, Linked, 7 HEI, M56A3-1, M220, (DODIC 1305-A655)
- Cartridge, 20-mm, Linked, HEAT-SD, M246, (DODIC 1305-A792)

Figure 2-5. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-6.

**25-Millimeter Ammunition**

- Cartridge, 25-mm, M791, (DODIC 1305-A974)
- Cartridge, 25-mm, HEI-T, M792, w/ M758 Fuze, (DODIC 1305-A975)
- Cartridge, 25-mm, M919, (DODIC 1305-A986)

Figure 2-6. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-7.

**30 Millimeter Ammunition**
- Cartridge, 30-mm, Target Practice, M788 (DODIC1305-B118)
- Cartridge, 30-mm, HE, Dual Purpose, M789, (DODIC 1305-B129)
- Cartridge, 30-mm, HE, Dual Purpose, M789, (DODIC 1305-B130)

*Figure 2-7. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop*
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-8.

**40-Millimeter Ammunition**
- Cartridge, 40-mm, HEDP, Linked, M430, (DODIC 1310-B542)
- Cartridge, 40-mm, TP, M918, (DODIC 1310-B584)

Figure 2-8. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-9.

40-Millimeter Ammunition
- Cartridge, 40-mm, HEDP, M33, (DODIC 1310-B470)
- Cartridge, 40-mm, HEDP, Linked, M430, (DODIC 1310-B542)
- Cartridge, 40-mm, HE, Linked, M383E1, (DODIC 1310-B571)
- Cartridge, 40-mm, HE, Linked, M384, (DODIC 1310-B572)

81-Millimeter Ammunition
- Cartridge, 81-mm, HE, M362, (DODIC 1315-C222)
- Cartridge, 81-mm, HE, M372, (DODIC 1315-C223)
- Cartridge, 81-mm, HE, M43A1, (DODIC 1315-C225)
- Cartridge, 81-mm, HE, M374A2, (DODIC 1315-C236)
- Cartridge, 81-mm, HE, M374A2 with Fuze M524A5, (DODIC 1315-C256)
- Cartridge, 81-mm, HE, M374A2 with Fuze M524A6, (DODIC 1315-C256)
- Cartridge, 81-mm, HE, M374A2 with Fuze M567, (DODIC 1315-C256)
- Cartridge, 81-mm, HE, M374A2 with Fuze M716, (DODIC 1315-C256)
- Cartridge, 81-mm, Smoke, WP, M375A2 with Fuze PD 524A6, (DODIC 1315-C276)

Grenade
- Grenade, Hand, Fragmentation, M26 or M26A1, (DODIC 1330-G890)

Antipersonnel and Antitank Mines
- Mine, Antipersonnel, MN, M14, (DODIC 1345-K121)
- Mine, Antitank, HEAT, Heavy M15 with Fuze M603, (DODIC 1345-K180)

Figure 2-9. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-10.

**40-Millimeter Ammunition**
Cartridge, 40-mm, Illuminating, M583A1, (DODIC 1310-B535)

**Grenades**
Cartridge, Grenade, Rifle, NATO, 7.62-mm, M64, (DODIC 1330-G839)
Grenade, Hand, Incendiary, TH-3, AN-M14 with Fuze M201A1, (DODIC 1330-G900)

**Antipersonnel and Antitank Mines**
Mine, Antipersonnel, M16A1 with Fuze M605, (DODIC 1345-K092)
Mine, Antipersonnel, M18A1 with Accessories, (DODIC 1345-K143)

**Demolition Items**
Charge, Demolition Block, Comp C4, 1 1/4-lb, M112, (DODIC 1375-M023)
Firing Device, Demolition, M3, Pull-Release Type, (DODIC 1375-M629)
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-11.

**40-Millimeter Ammunition**
- Cartridge, 40-mm, Illuminating, M661, (DODIC 1310-B504)
- Cartridge, 40-mm, Illuminating, M662, (DODIC 1310-B505)
- Cartridge, 40-mm, Red Smoke, M713, (DODIC 1310-B506)
- Cartridge, 40-mm, Green Smoke, M715, (DODIC 1310-B508)
- Cartridge, 40-mm, Yellow Smoke, M716, (DODIC 1310-B509)
- Cartridge, 40-mm, HEDP, M433, (DODIC 1310-B546)

**60-Millimeter Ammunition**
- Cartridge, 60-mm, HE, M49A4, (DODIC 1310-B632)

Figure 2-11. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-12.

**40-Millimeter Ammunition**
Cartridge, 40-mm, AP-T, M81, (DODIC 1310-B552)
Cartridge, 40-mm, HE-T, SD, M3, MK11, MK2, (DODIC 1310-B562)

**Demolition Items**
Charge, Demolition, Roll Type, M-186, (DODIC 1375-M060)
Cap, Blasting, Special Electric, M6, (DODIC 1375-M130)

Figure 2-12. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-13.

**60-Millimeter Ammunition**
- Cartridge, 60-mm, Illuminating, M83A3, (DODIC 1310-B627)
- Cartridge, 60-mm, Smoke, WP, M302A1, (DODIC 1310-B630)

**Flare and Signal Items**

**Demolition Items**
- Charge, Demolition, Shaped, 40-lb, M3, (DODIC 1375-M421)

Figure 2-13. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-14.

81-Millimeter Ammunition
Cartridge, 81-mm, Illuminating, M301A3, (DODIC 1315-C226)

Figure 2-14. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-15.

**81-Millimeter Ammunition**
Cartridge, 81-mm, Smoke, WP, M57, (DODIC 1315-C230)

Figure 2-15. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-16.

84-Millimeter Ammunition
Cartridge, 84-mm, M136 with Launcher (AT4), (DODIC 1315-C995)

Figure 2-16. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-17.

**90-Millimeter Ammunition**

**CAUTION**

The 90-millimeter ammunition will contaminate the area if a parachute malfunctions.

- Cartridge, 90-mm, WP, M313C, (DODIC 1315-C258)
- Cartridge, 90-mm, HE, M71, (DODIC 1315-C265)
- Cartridge, 90-mm, HE, M71, (DODIC 1315-C266)
- Cartridge, 90-mm, HE, M71, (DODIC 1315-C267)
- Cartridge, 90-mm, Smoke, WP, M313, (DODIC 1315-C273)

**Figure 2-17. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop**
Cartridge, 90-mm, APERS-T, M580, (DODIC 1315-C275)
Cartridge, 90-mm, HE-T, M71A1 with Fuze PD M557, (DODIC 1315-C280)
Cartridge, 90-mm, AP-T, M318 or M318A1, (DODIC 1315-C285)
Cartridge, 90-mm, HEP-T, T142E3, (DODIC 1315-C292)
Cartridge, 90-mm, HEAT, M431A1, (DODIC 1315-C294)
Cartridge, 90-mm, Canister, M377, (DODIC 1315-C601)

105-Millimeter Ammunition
Cartridge, 105-mm, HE, M1, (DODIC 1315-C443)
Cartridge, 105-mm, HE, M1, (DODIC 1315-C444)
Cartridge, 105-mm, HE, M1, (DODIC 1315-C445)
Cartridge, 105-mm, HEP-T, M327, (DODIC 1315-C448)
Cartridge, 105-mm, Illuminating, M314A3, (DODIC 1315-C449)
Cartridge, 105-mm, Smoke, HC, BE, M84 or M84A1, (DODIC 1315-C452)
Cartridge, 105-mm, Smoke, WP, M60, (DODIC 1315-C454)
Cartridge, 105-mm, HE, M444, (DODIC 1315-C462)
Cartridge, 105-mm, Tactical, CS, M629, (DODIC 1315-C468)
Cartridge, 105-mm, HE, M760, (DODIC 1315-C473)
Cartridge, 105-mm, Smoke, WP, M60, (DODIC 1315-C477)
Cartridge, 105-mm, APERS-T, M546 with Fuze MT M563, (DODIC 1315-C513)

106-Millimeter Ammunition
Cartridge, 106-mm, HEAT, M344A1, (DODIC 1315-C650)
Cartridge, 106-mm, HEP-T, M346A1, (DODIC 1315-C651)
Cartridge, 106-mm, APERS-T, M581, (DODIC 1315-C660)

Figure 2-17. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop (continued)
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-18.

**4.2-Inch Ammunition**

Cartridge, 4.2-in, HE, w/o Fuze, (DODIC 1315-C697)

*Figure 2-18. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop*
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-19.

**90-Millimeter Ammunition**
Cartridge, 90-mm, HEAT, M371, (DODIC 1315-C282)

**4.2-Inch Ammunition**
Cartridge, 4.2-in, HE, M329A1, (DODIC 1315-C704)
Cartridge, 4.2-in, HE, M329A1, (DODIC 1315-C705)
Cartridge, 4.2-in, Illuminating, M335A2, (DODIC 1315-C706)
Cartridge, 4.2-in, Smoke, WP, M328A1, (DODIC 1315-C708)

**Antipersonnel and Antitank Mines**
Mine, Antitank, HE, M121, Heavy with Fuze Combination M607, (DODIC 1345-K181)

**Demolition Items**
Charge, Demolition, Block, 40-lb Cratering Ammonium Nitrate,
(DODIC 1375-M039)
Cord, Detonating, Reinforced Pliofilm/Wrapped Waterproof, Type I,
(DODIC 1375-M456)

Figure 2-19. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-20.

90-Millimeter Ammunition
(Rigging Fiber Containers)
Cartridge, 90-mm, HEAT, M371, (DODIC 1315-C282)

Figure 2-20. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-21.

**90-Millimeter Ammunition**
Cartridge, 90-mm, Canister, APERS, M590, (DODIC 1315-C410)

*Figure 2-21. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop*
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-22.

90-Millimeter Ammunition  
(Rigging Fiber Containers)  
Cartridge, 90-mm, Canister, APERS, M590, (DODIC 1315-C410)

Figure 2-22. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
Chapter 2

HONEYCOMB LAYERS

AMMUNITION BOXES

SKID

The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-23.

105-Millimeter Ammunition
- Cartridge, 105-mm, HE, M548E1, (DODIC 1315-C463)
- Cartridge, 105-mm, APDS-T, M728, (DODIC 1315-C494)
- Cartridge, 105-mm, APDS-T, M392A2, (DODIC 1315-C505)
- Cartridge, 105-mm, HEAT-T, M456A1E2, (DODIC 1315-C508)
- Cartridge, 105-mm, TP-T, M490, (DODIC 1315-C511)
- Cartridge, 105-mm, Smoke, WP-T, M416 with Fuze BD M534A1, (DODIC 1315-C512)
- Cartridge, 105-mm, HEP-T, M393A2, (DODIC 1315-C518)
- Cartridge, 105-mm, APER-T, M494 with Fuze M571, (DODIC 1315-C519)

Figure 2-23. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
Preparing Low-Velocity A-22 Cargo Bag Loads

The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-24.

**105-Millimeter Ammunition**  
 *(Rigging Fiber Containers)*  
 Cartridge, 105-mm, HEAT-T, M456A1E2, (DODIC 1315-C508)  
 Cartridge, 105-mm, TP-T, M490, (DODIC 1315-C511)

---

**Figure 2-24. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop**
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-25.

**105-Millimeter Ammunition**
Cartridge, 105-mm, APFSDS-T, M833, (DODIC 1315-C524)

Figure 2-25. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-26.

105-Millimeter Ammunition
Cartridge, 105-mm, APFSDS-T, M900E1, (DODIC 1315-C543)

Figure 2-26. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-27.

120-Millimeter Ammunition
Cartridge, 120-mm, APFSDS-T, M829A1, (DODIC 1315-C380)

Figure 2-27. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-28.

**120-Millimeter Ammunition**

- Cartridge, 120-mm, HE, M934 with or without Fuze M734A1, (DODIC 1315-C379)
- Cartridge, 120-mm, HE, M933, with or without Fuze M734A1, (DODIC 1315-C623)
- Cartridge, 120-mm, M929, Smoke, WP, w/Fuze, PD, M745 or Fuze M734A1 (DODIC 1315-C624)

**Figure 2-28. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop**
CAUTION
The bottom layer of cartridges must be removed from their containers and one cartridge from the second layer to meet weight limitations for an A-22 container.

The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-29.

120-Millimeter Ammunition
Cartridge, 120-mm, APFSDS-T, M829, (DODIC 1315-C786)
Cartridge, 120-mm, HEAT-MP-T, M830, (DODIC 1315-C787)

Figure 2-29. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-30.

**120-Millimeter Ammunition**

- Cartridge, 120-mm, HE, M57, (DODIC 1315-C788)
- Cartridge, 120-mm, Illuminating, M91, (DODIC 1315-C790)

**Figure 2-30. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop**
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-31.

**120-Millimeter Ammunition**
- Cartridge, 120-mm, HEAT-MP-T, M830A1, (DODIC 1315-C791)
- Cartridge, 120-mm, APFSDS-T, M829A2, (DODIC 1315-C792)
- Cartridge, 120-mm, APFSDS, M829A3, (DODIC 1315-CA26)
- Cartridge, 120-mm, M1028, (DODIC 1315-CA38)

**Figure 2-31. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop**
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-32.

152-Millimeter Ammunition
Cartridge, 152-mm, TD-T, M411E3, (DODIC 1320-D380)

Figure 2-32. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-33.

**152-Millimeter Ammunition**

- Cartridge, 152-mm, HEAT-MP, M409E6, (DODIC 1320-D381)
- Cartridge, 152-mm, Canister, M625A1, (DODIC 1320-D390)

Figure 2-33. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-34.

**152-Millimeter Ammunition**
*(Rigging Fiber Containers)*

Cartridge, 152-mm, HEAT-MP, M409E6, (DODIC 1320-D381)

Cartridge, 152-mm, Canister, M625A1, (DODIC 1320-D390)

Figure 2-34. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-35.

**155-Millimeter Ammunition**
- Charge, Propelling, 155-mm, M19, (DODIC 1320-D480)
- Projectile, 155-mm, Gas, Persistent, HD, M104, (DODIC 1320-D484)
- Projectile, 155-mm, HE, M101, (DODIC 1320-D485)
- Projectile, 155-mm, Smoke, WP, M104, (DODIC 1320-D487)
- Reducer, Flash, Propelling Charge, M1, (DODIC 1320-D490)
- Projectile, 155-mm, HE, ADAM, M692, (DODIC 1320-D501)
- Projectile, 155-mm, HE, ADAM, M731, (DODIC 1320-D502)

Figure 2-35. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
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**Fuzes and Primers**

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<td>Fuze, Electronic Time, M767</td>
<td>(DODIC 1390-N290)</td>
</tr>
<tr>
<td>Fuze, Delay, PD, MOD 1, MK399</td>
<td>(DODIC 1390-N659)</td>
</tr>
<tr>
<td>Fuze, Multi-Option for Artillery, M782</td>
<td>(DODIC 1390-NA09)</td>
</tr>
</tbody>
</table>

**Note:** The required fuzes and primers may be rigged as part of the load; however, only those fuzes and primers listed in Table 1-3 are authorized to be airdropped.

*The old or new type propelling charge container may be rigged.

**Figure 2-35. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop (continued)**
Note: Each end requires two vertical layers of honeycomb.

HONEYCOMB LAYERS
2 PER END

HONEYCOMB LAYERS

HONEYCOMB FILLERS

HONEYCOMB LAYERS (8” X 33”)

¾-IN PLYWOOD
STEEL STRAPPING

¾-IN PLYWOOD

TYPE III NYLON CORD

M712 PALLETTIZED PROJECTILES

¾-IN PLYWOOD

The following ammunition item is rigged in a double A-22 cargo bag for low-velocity airdrop as shown in Figure 2-36. Construct a double A-22 skid according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11.

155-Millimeter Ammunition
Projectile, 155-mm, HEAT, M712, (Copperhead), (DODIC 1320-D510)

Figure 2-36. Ammunition Layout in a Double A-22 Cargo Bag for Low-Velocity Airdrop
Prepping Low-Velocity A-22 Cargo Bag Loads

The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-37.

175-Millimeter Ammunition
Charge, Propelling, 175-mm, WB, M86A2, with Additive Jacket M1 and Primer Percussion M82, (DODIC 1320-D361)
Projectile, 175-mm, HE, M437A2, (DODIC 1320-D572)

Note: Required fuses are rigged with the load.

Figure 2-37. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-38.

8-Inch Ammunition

*Charge, Propelling, 8-in, WB, M188, (DODIC 1320-D661)
Charge, Propelling, 8-in, WB, M188A1, (DODIC 1320-D662)
Charge, Propelling, 8-in, M1, (DODIC 1320-D675)
Charge, Propelling, 8-in, M2, (DODIC 1320-D676)
Projectile, 8-in, HE, M106, (DODIC 1320-D680)
Reducer, Flash, Propelling Charge, M3, (DODIC 1320-D681)
Projectile, 8-in, HE, M404, (DODIC 1320-D684)

Fuzes and Primers

Fuze, Delay, PD, MOD 1, MK399, (DODIC 1390-N659)

Note: Required fuzes are rigged with the load.

*The old or new type propelling charge containers may be rigged.

Figure 2-38. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-39.

**Antipersonnel and Antitank Mine**
Mine, AT, HE, M19, (DODIC 1345-K250)

Figure 2-39. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-40.

**Grenades**
Grenade, 40-mm, Smoke, Screening, L8A3, (DODIC 1330-G815)

*Figure 2-40. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop*
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-41.

**Grenades**
Launcher, Grenade, 40-mm, Smoke, IR Screening, M76, (DODIC 1330-G826)

**Figure 2-41. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop**
Chapter 2

The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-42.

**Grenade**
Grenade, Hand, Offensive, MK3A2 with Fuze, (DODIC 1330-G911)

**Demolition Item**
Firing Device, Demolition, M5, Pressure Release Type, (DODIC 1375-M627)

Figure 2-42. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-43.

**Grenades**
- Grenade, Hand, Smoke, HC, ABC, AN-M18 with Fuze, (DODIC 1330-G930)
- Grenade, Hand, Green Smoke, M18 with Fuze, (DODIC 1330-G940)
- Grenade, Hand, Yellow Smoke, M18 with Fuze, (DODIC 1330-G945)
- Grenade, Hand, Red Smoke, M18 with Fuze, (DODIC 1330-G950)
- Grenade, Hand, Violet Smoke, M18 with Fuze M201A1, (DODIC 1330-G955)
- Grenade, Hand, Riot Control, M7A3 with Fuze, (DODIC 1330-G963)

**Figure 2-43. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop**
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-44.

**Grenade**
Grenade, Launcher, Smoke, MM/IR, Screening, M81, (DODIC 1330-GG01)

Figure 2-44. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-45.

**84-Millimeter Ammunition**
- Cartridge, 84-mm, Practice, with Tracer, TPT141, (DODIC 1315-CA10)
- Cartridge, 84-mm, HEDP, IM, 502, (DODIC 1315-CA21)
- Cartridge, 84-mm, MAAWS, Reduced Sensitivity (RS), 441D, (DODIC 1315-CA27)
- Cartridge, 84-mm, MAAWS, 545C, Illumination (DODIC 1315-CA36)

**Grenade**
- Launcher and Grenade, Smoke, HC, WP, M176, (DODIC 1330-H050)

**Flare and Signal Items**
- Flare, Surface, M49A1, Trip, (DODIC 1370-L495)

**Demolition Items**
- Charge, Demolition, Block, 1/4-lb TNT, (DODIC 1375-M030)
- Cap, Blasting, Special Non-Electric, M7, (DODIC 1375-M131)

---

**Figure 2-45. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop**
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-46.

_Rockets_
Rocket, 2.75-in, Flare, IR, (DODIC 1340-H154)
Rocket, 2.75-in, Flare, HYDRA, (DODIC 1340-H181)

Figure 2-46. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-47.

**Rockets**

*(4-Pack Boxes Only)*

- Rocket, 2.75-in, WP, M259, (DODIC 1340-H116)
- Rocket, 2.75-in, with WHD, HE, M151 with Fuze M440 and Motor MK40 Mod 3, (DODIC 1340-H161)
- Rocket, 2.75-in, HE, w/M151 HYDRA, (DODIC 1340-H163)
- Rocket, 2.75-in, with WHD, WDU-4A/A and Motor MK40 Mod 3, (DODIC 1340-H459)
- Rocket, 2.75-in, WHD, HE, M151 with Fuze M429 and Motor MK40 Mod 3, (DODIC 1340-H489)
- Rocket, 2.75-in, WHD, HE, M151 with Fuze M423 and Motor MK40 Mod 3, (DODIC 1340-H490)
- Rocket, 2.75-in, Smoke, WP, M156 with Fuze M423 and Motor MK40 Mod 3, (DODIC 1340-H519)
- Rocket, 2.75-in, WHD, HE, M229 with Fuze M423 and Motor MK40 Mod 3, (DODIC 1340-H534)
- Rocket, 2.75-in, WHD, HEDP, M247 with Fuze M438 and Motor MK40 Mod 3, (DODIC 1340-H826)

Figure 2-47. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in a double A-22 cargo bag for low-velocity airdrop as shown in Figure 2-48. Construct a double A-22 skid according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11.

**Rockets**

*(4-Pack Boxes Only)*

Rocket, Flechette, (DODIC 1340-H462)

Rocket, 2.75-in, MPSM, w/ MK66, MOD 1, M261, (DODIC 1340-H464)

*Figure 2-48. Ammunition Layout in a Double A-22 Cargo Bag for Low-Velocity Airdrop*
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-49.

**Rockets**
*(25-Pack Boxes Only)*

- Rocket, 2.75-in, with WHD, HE, M151 with Fuze M440 and Motor MK40 Mod 3, (DODIC 1340-H161)
- Rocket, 2.75-in, with WHD, WDU-4A/A and Motor MK40 Mod 3, (DODIC 1340-H459)
- Rocket, 2.75-in, WHD, HE, M229, with Liner and Fuze M429 and Motor MK40 Mod 3, (DODIC 1340-H488)
- Rocket, 2.75-in, WHD, HE, M151 with Fuze M429 and Motor MK40 Mod 3, (DODIC 1340-H489)
- Rocket, 2.75-in, WHD, HE, M151 with Fuze M423 and Motor MK40 Mod 3, (DODIC 1340-H490)
- Rocket, 2.75-in, WHD, HE, M229 with Fuze M423 and Motor MK40 Mod 3, (DODIC 1340-H534)

*Figure 2-49. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop*
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-50.

**Rockets**
*(4-Pack Boxes Only)*
Rocket, 2.75 in, WHD, HE, M229, with Liner and Fuze M429 and Motor MK40 Mod 3, (DODIC 1340-H488)

Figure 2-50. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
Preparing Low-Velocity A-22 Cargo Bag Loads

The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-51.

**66-Millimeter Rocket**

**CAUTION**

This item must be rigged in the base down position.

Rocket, 66-mm, HEAT, M72A2 with Launcher, (DODIC 1340-H557)

**Figure 2-51. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop**
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-52.

**Antipersonnel and Antitank Mine**
Mine, AP, M26, (DODIC 1345-K146)

**Demolition Items**
Charge, Demolition, Block, PETN, M118, (DODIC 1375-M024)
Charge, Demolition, Block, 1/2-lb TNT, (DODIC 1375-M031)
Charge, Demolition, Block, 1-lb TNT, (DODIC 1375-M032)
Detonator, Percussion, M1A2, 15-sec Delay, (DODIC 1375-M450)
Firing Device, Demolition, M1, Pull Type, (DODIC 1375-M630)
Firing Device, Demolition, M1, Release Type, (DODIC 1375-M631)

**Figure 2-52. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop**
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-53.

*Incendiary Item*
Thickener, Incendiary Oil, M4, (DODIC 1365-K917)

Figure 2-53. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-54.

**Flare and Signal Items**
- Signal, Illuminating, Ground, M195, Green Star, (DODIC 1370-L305)
- Signal, Illuminating, Ground, M158, Red Star, (DODIC 1370-L306)
- Signal, Illuminating, Ground, M159, White Star, (DODIC 1370-L307)
- Signal, Illuminating, Ground Parachute, M126A1, (DODIC 1370-L311)
- Signal, Illuminating, Parachute, M127A1, White Star, (DODIC 1370-L312)
- Signal, Illuminating, Ground, Cluster, M125A1, (DODIC 1370-L314)
- Signal, Smoke, Parachute, M129A1, Red, (DODIC 1370-L323)
- Signal, Smoke, Parachute, M128A1, Green, (DODIC 1370-L324)

**Demolition Item**
- Destructor, Explosive, Universal, M10, (DODIC 1375-M241)

**5.56-Millimeter Ammunition**
- Cartridge, 5.56-mm, Ball, M855 and Tracer, M856 Linked, (DODIC 1305-A064)

**25.4-Millimeter Ammunition**
- Cartridge, 25.4-mm, Decoy, M839, (DODIC 1305-A965)

Figure 2-54. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
### 60-Millimeter Ammunition

**Note:** When rigging 60-mm ammunition, reduce the number of layers of ammunition boxes from three to two.

- Cartridge, 60-mm, HE, M720, (DODIC 1310-B642)
- Cartridge, 60-mm, HE, M720E1, with M734A1 Fuze, (DODIC 1310-B642)
- Cartridge, 60-mm, Smoke, WP, M722, (DODIC 1310-B646)
- Cartridge, 60-mm, Illuminating, M721, (DODIC 1310-B647)
- Cartridge, 60-mm, Illuminating, Infrared, M767, (DODIC 1310-BA04)
- Cartridge, 60-mm, Smoke, WP, M722A1, (DODIC 1310-BA14)

**Incendiary Items**

- Smoke Pot, Floating, HC, M4A2, (DODIC 1365-K867)

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Figure 2-54. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop (continued)

---

Figure 2-55. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop (continued)

---

The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-55.

**Flare and Signal Items**

- Flare, M206, Rigged w/ Cartridge, Impulse, M796
- Flare (DODIC 1370-L410)
- Cartridge (DODIC 1377-MD73)

---

Figure 2-55. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-56.

Demolition Item
Charge, Demolition, Block, M541, (DODIC 1375-M038)

Figure 2-56. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-57.

**Demolition Item**
Charge, Demolition, Shaped, HJE, 15-lb, M2A3, (DODIC 1375-M420)

*Figure 2-57. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop*
Chapter 2

SKID HONEYCOMB LAYERS

AMMUNITION BOXES

The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-58.

Demolition Item

Firing Device, Demolition, M1A1, Pressure Type, (DODIC 1375-M626)

Figure 2-58. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-59.

Note: Dropping these items as a single item load may not be practical; however, they can be contained in an A-22 cargo bag with other compatible items and airdropped. Quantity and type of items that can be rigged in an A-22 cargo bag are determined by the individual ammunition container dimensions and weight.

**Incendiary Item**
Starter, Fire, NP3, M2, (DODIC 1370-L621)

Figure 2-59. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
**CAUTION**

When proximity fuzes are airdropped, the boxed fuzes must be dropped in the nose-down position. If the boxes are damaged, the fuzes must not be used.

<table>
<thead>
<tr>
<th>Fuze, MT, M565, (DODIC 1390-N248)</th>
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</thead>
<tbody>
<tr>
<td>Fuze, MTSQ, M500 or M500A1, (DODIC 1390-N275)</td>
</tr>
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<td>Fuze, MTSQ, M501 or M501A1, (DODIC 1390-N276)</td>
</tr>
<tr>
<td>Fuze, MT, M564, (DODIC 1390-N278)</td>
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<tr>
<td>Fuze, MTSQ, M520, (DODIC 1390-N280)</td>
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<tr>
<td>Fuze, MTSQ, M577, (DODIC 1390-N285)</td>
</tr>
<tr>
<td>Fuze, MTSQ, M582A1, (DODIC 1390-N286)</td>
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<td>Fuze, PD, M572, (DODIC 1390-N311)</td>
</tr>
<tr>
<td>Fuze, PD, M48A3, (DODIC 1390-N318)</td>
</tr>
<tr>
<td>Fuze, PD, M535, (DODIC 1390-N323)</td>
</tr>
<tr>
<td>Fuze, PD, M557, (DODIC 1390-N335)</td>
</tr>
<tr>
<td>Fuze, PD, M739, (DODIC 1390-N340)</td>
</tr>
<tr>
<td>Fuze, Proximity, M532, (DODIC 1390-N402)</td>
</tr>
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<tr>
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</tr>
<tr>
<td>Fuze, Proximity, M517, (DODIC 1390-N417)</td>
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<tr>
<td>Fuze, Proximity, M728, (DODIC 1390-N463)</td>
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<tr>
<td>Fuze, Proximity, M514A1, (DODIC 1390-N477)</td>
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<tr>
<td>Primer, Percussion, M82, (DODIC 1390-N523)</td>
</tr>
<tr>
<td>Primer, Percussion, MK2A4, (DODIC 1390-N525)</td>
</tr>
</tbody>
</table>

Figure 2-59. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop (continued)
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-60.

**Flare and Signal Items**
- Signal, Underwater Sound, MK61, Mod O, (NALC SWO8)
- Signal, Underwater Sound, MK82, Mod O, (NALC SW32)

*Figure 2-60. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop*
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-61.

Demolition Item
Charge, Demolition, Block, 55-lb, (DODIC 1375-M040)

Figure 2-61. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-62.

**Fuzes and Primers**
Fuze, Delay, Mod 1, PD, MK399, (DODIC 1390-N659)

*Figure 2-62. Ammunition Layout in an A-22 Cargo Bag for Low-velocity Airdrop*
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-63.

**81-Millimeter Ammunition**

Cartridge, 81-mm, HE, M821A1/M821A2 with Fuze M734A1,
(DODIC 1315-C868)
Cartridge, 81-mm, HE, M889A1/M889A2 with Fuze M734A1,
(DODIC 1315-C869)
Cartridge, 81-mm, FRP, M879 (DODIC 1315-C875)

*Figure 2-63. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop*
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-64.

**Grenades**
Grenade, Launcher, Smoke, Screening, TA, M90, (DODIC 1330-GG03)

Figure 2-64. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
Chapter 2

HONEYCOMB LAYERS

The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-65.

**105-Millimeter Ammunition**
- Cartridge, 105-mm, HERA, M913 in PA117 Containers, (DODIC 1315-C546)
- Cartridge, 105-mm, DPICM, M915, (DODIC 1315-CA11)
- Cartridge, 105-mm, HE-T/TP-T, M393A3 (DODIC 1315-CA32)

Figure 2-65. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-66.

**Rockets**
Rocket, 83-mm, HEDP, BDM, (DODIC 1340-HA08)

Figure 2-66. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-67.

**Demolition Items**
Demolition Kit, Fighting Position Excavator, M300, (DODIC 1375-MN26)

Figure 2-67. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-68.

**Grenades**
- Grenade, Discharger, Anti-Riot, Irritant, L96E1, (DODIC 1330-FZ14)
- Grenade, Discharger, Anti-Riot, Irritant, L97E1, (DODIC 1330-FZ15)

**Figure 2-68. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop**
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-69.

**Munition**
Munition, Wide Area, Hornet, M93 (DODIC 1377-SQ20)

*Figure 2-69. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop*
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-70.

**120-Millimeter Ammunition**

Cartridge, 120-mm, Visible Illuminating, M930 w/ M230 Propellant Charge and M981 Ignition Charge, (DODIC 1315-C625)

Cartridge, 120-mm, Illuminating, Infrared (IR), M983, (DODIC 1315-CA07)

Figure 2-70. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-71.

**81-Millimeter Ammunition**  
Cartridge, 81-mm, Illuminating, IR, M816, (DODIC 1315-C484)

*Figure 2-71. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop*
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-72.

84-Millimeter Ammunition
Munition, 84-mm, HEAT, Insensitive, 551C, (DODIC 1315-CA20)

Figure 2-72. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-73.

**84-Millimeter Ammunition**
Munition, 84-mm, Area Deterrent, 401, (DODIC 1315-CA23)

Figure 2-73. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-74.

**60-Millimeter Ammunition**
- Cartridge, 60-mm, M720A1, (DODIC 1310-BA16)
- Cartridge, 60-mm, M768, (DODIC 1310-BA17)

**Figure 2-74. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop**
The following ammunition item is rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-75.

**84-Millimeter Ammunition**
Cartridge, 84-mm, AT4 Confined Space (CS), Reduced Sensitivity (RS) (DODIC 1315-CA30)

Figure 2-754. Ammunition Layout in an A-22 Cargo Bag for Low-Velocity Airdrop
PREPARING A-22 CARGO BAG

3-1. Prepare the A-22 cargo bag according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11.

SPECIAL INSTRUCTIONS

3-2. Follow these special instructions when rigging A-22 cargo bags for high-velocity airdrop.

- The ammunition loads are positioned in the A-22 cargo bag for high-velocity airdrop according to the figures listed in this chapter.
- A-22 cargo bags rigged for airdrop must NOT be more than 83 inches high for C-130 aircraft and 101 inches for C-17 aircraft, including the parachute, without prior Air Force approval. Any load that overhangs the edge of the standard 1- by 48- by 48-inch high-velocity A-22 skid must be placed lengthwise in the aircraft.

**Note:** If the length of the load exceeds 48 inches but is too short for a double A-22 cargo bag, use the rigging procedures for the stretch A-22 cargo bag in FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11 along with the skid and honeycomb layout in this manual.

- When using the CVR system, the first layer of honeycomb must be 2 inches from all sides of the skidboard.

**Note:** If the load is smaller than the length of the skidboard, place honeycomb filler sheets vertically inside the A-22 container. The length of the A-22 container should equal the length of the skidboard. This prevents the A-22 containers from shifting when the loads are restrained inside the aircraft.

**CAUTION**

Steel strapping **MUST NOT** be used to bind a load below the second layer of honeycomb. Steel strapping **MUST NOT** be used to bind honeycomb layers to the skid.

- The A-22 cargo bag must be closed and secured according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11.

PARACHUTE REQUIREMENTS

- Select the correct parachute from Table 1-1. Attach the parachute to the rigged load according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11.
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-1.

**5.56-Millimeter Ammunition**
- Cartridge, 5.56-mm, Ball, M855, (DODIC 1305-A059)
- Cartridge, 5.56-mm, Tracer, M856, (DODIC 1305-A063)
- Cartridge, 5.56-mm, Tracer, M196, (DODIC 1305-A068)
- Cartridge, 5.56-mm, Ball, M193, (DODIC 1305-A071)

**7.62-Millimeter Ammunition**
- Cartridge, 7.62-mm, Ball, M59 and M80, (DODIC 1305-A122)
- Cartridge, 7.62-mm, Tracer, M62, (DODIC 1305-A124)
- Cartridge, 7.62-mm, Ball, Tracer, Linked with M13 Link, M80, (DODIC 1305-A127)
- Cartridge, 7.62-mm, 5-rd Clip, M80, (DODIC 1305-A130)
- Cartridge, 7.62-mm, Ball, Tracer, Linked with M13 Link, M62, (DODIC 1305-A131)
- Cartridge, 7.62-mm, Ball, Tracer, M80/1 Linked M62 (DODIC 1305-A131)
- Cartridge, 7.62-mm, Match, M118, (DODIC 1305-A136)
- Cartridge, 7.62-mm, Tracer, M62, (DODIC 1305-A140)
- Cartridge, 7.62-mm, Tracer, M62, Clipped, (DODIC 1305-A145)

**Figure 3-1. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
### .30-Caliber Ammunition

Cartridge, Cal .30, AP, API, 8-rd Clip, Grade R, (DODIC 1305-A205)
Cartridge, Cal .30, AP, API, M2, Linked with M1 Link, Grade MG, (DODIC 1305-A207)
Cartridge, Cal .30, AP, Linked with Tracer, (DODIC 1305-A209)
Cartridge, Cal .30, Ball, M2, (DODIC 1305-A212)
Cartridge, Cal .30, Tracer, M25, Linked, (DODIC 1305-A236)

### .45-Caliber Ammunition

Cartridge, Cal .45, Ball, M1911, (DODIC 1305-A475)

### .50-Caliber Ammunition

Cartridge, Cal .50, API, M8, (DODIC 1305-A531)
Cartridge, Cal .50, API, M8, Linked, (DODIC 1305-A533)
Cartridge, Cal .50, API-T, M1/M17 Linked, (DODIC 1305-A540)
Cartridge, Cal .50, API-T, M20, (DODIC 1305-A541)
Cartridge, Cal .50, API-T, M20, Linked with M2 Link, Grade AC, (DODIC 1305-A543)
Cartridge, Cal .50, API-T, M20, Linked with M2 Link, Grade MG, (DODIC 1305-A544)
Cartridge, Cal .50, Tracer, M17, Grade MG, (DODIC 1305-A571)
Cartridge, Cal .50, Tracer, M17, Linked with M2 Link, Grade AC, (DODIC 1305-A572)
Cartridge, Cal .50, Spotter-Tracer, M48A2, (DODIC 1305-A574)
Cartridge, Cal .50, Linked, 4 API, M8, API-T, M20, (DODIC 1305-A576)
Cartridge, Cal .50, Linked, 4 API, M8, API-T, M20, (DODIC 1305-A577)
Cartridge, Cal .50, API-T, M20, Linked, (DODIC 1305-A585)
Cartridge, Cal .50, Linked, 4 API, M8, 1 API-T, M20, (DODIC 1305-A587)
Cartridge, Cal .50, Linked, 4 API, M8, 1 API-T, M20, (DODIC 1305-A589)
Cartridge, Cal .50, API Lowlite, Linked, 1 Tracer, M257, 2 MK 263, 2 MK211, 1 M20 Tracer, 4 M20, (DODIC 1305-AA50)

#### Incendiary Item

Burster, Incendiary, Field, M4 without Fuze, (DODIC 1345-K010)

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*Figure 3-1. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop (continued)*
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-2.

**Shotgun Ammunition**
Cartridge, 12-gauge Shotgun, No 00 Buckshot, M162, (DODIC 1305-A011)

**Figure 3-2. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-3.

**5.56-Millimeter Ammunition**
Cartridge, 5.56-mm, Ball, M855 and Tracer, M856, Linked, (DODIC 1305-A064)

*Figure 3-3. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop*
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-4.

**7.62-Millimeter Ammunition**
Cartridge, 7.62-mm, Ball, M80, Linked, (DODIC 1305-A143)
Cartridge, 7.62-mm, Tracer, M62, Linked, (DODIC 1305-A146)

**.30-Caliber Ammunition**
Cartridge, Cal .30, Ball, M2, Clipped, (DODIC 1305-A216)
Cartridge, Cal .30, Tracer, M1 or M25, Clipped, (DODIC 1305-A234)

Figure 3-4. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-5.

**.30-Caliber Ammunition**
Cartridge, Cal .30, AP, API, Carton, Grade R, (DODIC 1305-A201)
Cartridge, Cal .30, AP, API, Carton, Grade MG, (DODIC 1305-A202)

**.50-Caliber Ammunition**
Cartridge, Cal .50, API-T, M20, Carton, Grade MG, (DODIC 1305-A542)

Figure 3-5. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-6.

**.30-Caliber Ammunition**
Cartridge, Cal .30, Ball, M2, Clipped, (DODIC 1305-A214)
Cartridge, Cal .30, Tracer, M1, Clipped, (DODIC 1305-A232)

**.32-Caliber Ammunition**
Cartridge, Cal .32, Ball, Auto, 71 Grain, (DODIC 1305-A350)

**.38-Caliber Ammunition**
Cartridge, Cal .38, Special, Ball, M41, (DODIC 1305-A400)

**.50-Caliber Ammunition**
Cartridge, Cal .50, API, M8, Carton, Grade MG or API-T, M20 (DODIC 1305-A532)
Cartridge, Cal .50, API, M8, Linked with M2 Link, Grade MG (DODIC 1305-A534)

**40-Millimeter Ammunition**
Cartridge, 40-mm, HEI-T, SD, M3, (DODIC 1310-B559)

**Demolition Items**
Charge, Demolition, Shaped, 40-lb, M3, (DODIC 1375-M421)
Dynamite, Military, M1, (DODIC 1375-M591)

Figure 3-6. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-7.

**9-Millimeter Ammunition**
Cartridge, 9-mm, Ball, M882, (DODIC 1305-A363)

**Figure 3-7. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-8.

20-Millimeter Ammunition
Cartridge, 20-mm, Linked, 4 HEI/TP-T, (DODIC 1305-A653)
Cartridge, 20-mm, Linked, 7 HEI, M56A3-1, M220, (DODIC 1305-A655)
Cartridge, 20-mm, Linked, HEAT-SD, M246, (DODIC 1305-A792)

Figure 3-8. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-9.

25.4-Millimeter Ammunition
Cartridge, 25.4-mm, Decoy, M839, (DODIC 1305-A965)

Figure 3-9. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are riged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-10.

**25-Millimeter Ammunition**

- Cartridge, 25-mm, M791, (DODIC 1305-A974)
- Cartridge, 25-mm, HEI-T, M792, w/ M758 Fuze, (DODIC 1305-A975)
- Cartridge, 25-mm, M919, (DODIC 1305-A986)

Figure 3-10. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-11.

**40-Millimeter Ammunition**

- Cartridge, 40-mm, Illuminating, M661, (DODIC 1310-B504)
- Cartridge, 40-mm, Illuminating, M662, (DODIC 1310-B505)
- Cartridge, 40-mm, Red Smoke, M713, (DODIC 1310-B506)
- Cartridge, 40-mm, Green Smoke, M715, (DODIC 1310-B508)
- Cartridge, 40-mm, Yellow Smoke, M716, (DODIC 1310-B509)

**Figure 3-11. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-12.

**40-Millimeter Ammunition**
- Cartridge, 40-mm, HEDP, M33, (DODIC 1310-B470)
- Cartridge, 40-mm, HEDP, Linked, M430, (DODIC 1310-B542)
- Cartridge, 40-mm, HE, Linked, M383E1, (DODIC 1310-B571)

**81-Millimeter Ammunition**
- Cartridge, 81-mm, HE, M362, (DODIC 1315-C222)
- Cartridge, 81-mm, HE, M372, (DODIC 1315-C223)
- Cartridge, 81-mm, HE, M43A1, (DODIC 1315-C225)
- Cartridge, 81-mm, HE, M374A2, (DODIC 1315-C236)
- Cartridge, 81-mm, HE, M374A2 with Fuze M524A5, (DODIC 1315-C256)
- Cartridge, 81-mm, HE, M374A2 with Fuze M524A6, (DODIC 1315-C256)

*Figure 3-12. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop*
Cartridge, 81-mm, HE, M374A2 with Fuze M567, (DODIC 1315-C256)
Cartridge, 81-mm, HE, M374A2 with Fuze M716, (DODIC 1315-C256)
Cartridge, 81-mm, Smoke, WP, M375A2 with Fuze PD 524A6, (DODIC 1315-C276)

Grenade
Grenade, Hand, Fragmentation, M26 or M26A1, (DODIC 1330-G890)

Demolition Items
Charge, Demolition, Chain, M1, Eight 2 1/2-lb Tetrytol Charge Strung on Detonating Cord, (DODIC 1375-M035)
Charge, Demolition, Block, M2, (DODIC 1375-M036)

Figure 3-12. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop (continued)
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-13.

**40-Millimeter Ammunition**
Cartridge, 40-mm, Illuminating, M583A1, (DODIC 1310-B535)

**Grenades**
Cartridge, Grenade, Rifle, NATO, 7.62-mm, M64, (DODIC 1330-G839)
Grenade, Hand, Incendiary, TH-3, AN-M14 with Fuze M201A1, (DODIC 1330-G900)

**Antipersonnel and Antitank Mine**
Mine, Antipersonnel, M16A1 with Fuze M605, (DODIC 1345-K092)

**Demolition Items**
Charge, Demolition Block, Comp, C4, 1 1/4-lb, M112, (DODIC 1375-M023)
Firing Device, Demolition, M3, Pull-Release Type, (DODIC 1375-M629)

Figure 3-13. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-14.

**30-Millimeter Ammunition**
- Cartridge, 30-mm, Target Practice, M788 (DODIC 1305-B118)
- Cartridge, 30-mm, HE, Dual Purpose, M789, (DODIC 1305-B129)
- Cartridge, 30-mm, HE, Dual Purpose, M789, (DODIC 1305-B130)

Figure 3-14. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-15.

40-Millimeter Ammunition
Cartridge, 40-mm, HEDP, Linked, M430, (DODIC 1310-B542)
Cartridge, 40-mm, TP, M918, (DODIC 1310-B584)

Figure 3-15. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-16.

*40-Millimeter Ammunition*
Cartridge, 40-mm, HEDP, M433, (DODIC 1310-B546)

**Figure 3-16. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-17.

**40-Millimeter Ammunition**
Cartridge, 40-mm, AP-T, M81, (DODIC 1310-B552)
Cartridge, 40-mm, HE-T, SD, M3, MK11, MK2, (DODIC 1310-B562)

Figure 3-17. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-18.

40-Millimeter Ammunition
Cartridge, 40-mm, HE, Linked, M384, (DODIC 1310-B572)

Figure 3-18. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-19.

**60-Millimeter Ammunition**
Cartridge, 60-mm, Illuminating, M83A3, (DODIC 1310-B627)
Cartridge, 60-mm, Smoke, WP, M302A1, (DODIC 1310-B630)

**Flare and Signal Items**

Figure 3-19. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-20.

**60-Millimeter Ammunition**

Cartridge, 60-mm, HE, M49A4, (DODIC 1310-B632)

**Grenades**
- Grenade, Hand, Smoke, HC, ABC, AN-M18 with Fuze, (DODIC 1330-G930)
- Grenade, Hand, Green Smoke, M18 with Fuze, (DODIC 1330-G940)
- Grenade, Hand, Yellow Smoke, M18 with Fuze, (DODIC 1330-G945)
- Grenade, Hand, Red Smoke, M18 with Fuze, (DODIC 1330-G950)
- Grenade, Hand, Violet Smoke, M18 with Fuze M201A1, (DODIC 1330-G955)
- Grenade, Hand, Riot Control, M7A3 with Fuze, (DODIC 1330-G963)

**Figure 3-20. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-21.

81-Millimeter Ammunition
Cartridge, 81-mm, Illuminating, M301A3, (DODIC 1315-C226)

Figure 3-21. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-22.

*81-Millimeter Ammunition*
Cartridge, 81-mm, Smoke, WP, M57, (DODIC 1315-C230)

**Figure 3-22. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-23.

**84-Millimeter Ammunition**

Cartridge, 84-mm, M136 with Launcher (AT4), (DODIC 1315-C995)

Figure 3-23. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-24.

**90-Millimeter Ammunition**

- Cartridge, 90-mm, WP, M313C, (DODIC 1315-C258)
- Cartridge, 90-mm, HE, M71, (DODIC 1315-C265)
- Cartridge, 90-mm, HE, M71, (DODIC 1315-C266)
- Cartridge, 90-mm, HE, M71, (DODIC 1315-C267)
- Cartridge, 90-mm, Smoke, WP, M313, (DODIC 1315-C273)
- Cartridge, 90-mm, APERS-T, M580, (DODIC 1315-C275)
- Cartridge, 90-mm, HE-T, M71A1 with Fuze PD M557, (DODIC 1315-C280)
- Cartridge, 90-mm, AP-T, M318 or M318A1, (DODIC 1315-C285)
- Cartridge, 90-mm, HEP-T, T142E3, (DODIC 1315-C292)
- Cartridge, 90-mm, HEAT, M431A1, (DODIC 1315-C294)
- Cartridge, 90-mm, Canister, M377, (DODIC 1315-C601)

**Figure 3-24. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
105-Millimeter Ammunition
Cartridge, 105-mm, HE, M1, (DODIC 1315-C443)
Cartridge, 105-mm, HE, M1, (DODIC 1315-C444)
Cartridge, 105-mm, HE, M1, (DODIC 1315-C445)
Cartridge, 105-mm, HEP-T, M327, (DODIC 1315-C448)
Cartridge, 105-mm, Illuminating, M314A3, (DODIC 1315-C449)
Cartridge, 105-mm, Smoke, HC, BE, M84 or M84A1, (DODIC 1315-C452)
Cartridge, 105-mm, Smoke, WP, M60, (DODIC 1315-C454)
Cartridge, 105-mm, HE, M444, (DODIC 1315-C462)
Cartridge, 105-mm, Tactical, CS, M629, (DODIC 1315-C468)
Cartridge, 105-mm, Smoke, WP, M60, (DODIC 1315-C477)
Cartridge, 105-mm, APERS-T, M546 with Fuze MT M563, (DODIC 1315-C513)

106-Millimeter Ammunition
Cartridge, 106-mm, HEAT, M344A1, (DODIC 1315-C650)
Cartridge, 106-mm, HEP-T, M346A1, (DODIC 1315-C651)
Cartridge, 106-mm, APERS-T, M581, (DODIC 1315-C660)

Figure 3-24. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop (continued)
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-25.

**90-Millimeter Ammunition**
Cartridge, 90-mm, HEAT, M371, (DODIC 1315-C282)

**Demolition Items**
Charge, Demolition, Block, 40-lb Cratering Ammonium Nitrate, (DODIC 1375-M039)
Cord, Detonating, Reinforced Pliofilm/Wrapped Waterproof, Type I, (DODIC 1375-M456)

Figure 3-25. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-26.

**90-Millimeter Ammunition**
Cartridge, 90-mm, Canister, APERS, M590, (DODIC 1315-C410)

**Antipersonnel and Antitank Mine**
Mine, AP, M26, (DODIC 1345-K146)

**Demolition Items**
Charge, Demolition, Block, 1/2-lb TNT, (DODIC 1375-M031)
Charge, Demolition, Block, 1-lb TNT, (DODIC 1375-M032)
Firing Device, Demolition, M5, Pressure Release Type, (DODIC 1375-M627)
Firing Device, Demolition, M1, Pull Type, (DODIC 1375-M630)

Figure 3-26. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-27.

**90-Millimeter Ammunition**  
*(Rigging Fiber Container)*  
Cartridge, 90-mm, Canister, APERS, M590, (DODIC 1315-C410)

Figure 3-27. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-28.

**105-Millimeter Ammunition**

- Cartridge, 105-mm, HE, M548E1, (DODIC 1315-C463)
- Cartridge, 105-mm, APDS-T, M728, (DODIC 1315-C494)
- Cartridge, 105-mm, APDS-T, M392A2, (DODIC 1315-C505)
- Cartridge, 105-mm, HEAT-T, M456A1E2, (DODIC 1315-C508)
- Cartridge, 105-mm, TP-T, M490, (DODIC 1315-C511)
- Cartridge, 105-mm, Smoke, WP-T, M416 with Fuze BD M534A1 (DODIC 1315-C512)
- Cartridge, 105-mm, HEP-T, M393A2, (DODIC 1315-C518)
- Cartridge, 105-mm, APER-T, M494 with Fuze M571, (DODIC 1315-C519)

Figure 3-28. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-29.

*105-Millimeter Ammunition (Rigging Fiber Containers)*

- Cartridge, 105-mm, HEAT-T, M456A1E2, (DODIC 1315-C508)
- Cartridge, 105-mm, TP-T, M490, (DODIC 1315-C511)

**Figure 3-29. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-30.

105-Millimeter Ammunition
Cartridge, 105-mm, APFSDS-T, M833, (DODIC 1315-C524)

Figure 3-30. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-31.

**105-Millimeter Ammunition**
Cartridge, 105-mm, APFDS-T, M900E1, (DODIC 1315-C543)

**Figure 3-31. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-32.

**120-Millimeter Ammunition**

Cartridge, 120-mm, HE, M934 w/ or w/o Fuze M734A1, (DODIC 1315-C379)

Cartridge, 120-mm, HE, M933 w/ or w/o Fuze M734A1, (DODIC 1315-C623)

Cartridge, 120-mm, M929, Smoke, WP, w/ Fuze, PD, M745 or M734A1, (DODIC 1315-C624)

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Figure 3-32. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-33.

**4.2-Inch Ammunition**
Cartridge, 4.2-in, HE, w/o Fuze, (DODIC 1315-C697)

Figure 3-33. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop

*Note:* Cut last layer of honeycomb filler to appropriate thickness.
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-34.

**4.2-Inch Ammunition**
- Cartridge, 4.2-in, HE, M329A1, (DODIC 1315-C704)
- Cartridge, 4.2-in, HE, M329A1, (DODIC 1315-C705)
- Cartridge, 4.2-in, Illuminating, M335A2, (DODIC 1315-C706)
- Cartridge, 4.2-in, Smoke, WP, M328A1, (DODIC 1315-C708)

Figure 3-34. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-35.

**120-Millimeter Ammunition**

Cartridge, 120-mm, HE, M57, (DODIC 1315-C788)
Cartridge, 120-mm, Illuminating, M91, (DODIC 1315-C790)

Figure 3-35. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-36.

**152-Millimeter Ammunition**
Cartridge, 152-mm, TD-T, M411E3, (DODIC 1320-D380)

**Figure 3-36. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-37.

152-Millimeter Ammunition
(Rigging Fiber Containers)
Cartridge, 152-mm, HEAT-MP, M409E6, (DODIC 1320-D381)
Cartridge, 152-mm, Canister, M625A1, (DODIC 1320-D390)

Figure 3-37. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-38.

**152-Millimeter Ammunition**
- Cartridge, 152-mm, HEAT-MP, M409E6, (DODIC 1320-D381)
- Cartridge, 152-mm, Canister, M625A1, (DODIC 1320-D390)

Figure 3-38. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-39.

**155-Millimeter Ammunition**

- Charge, Propelling, 155-mm, M19, (DODIC 1320-D480)
- Projectile, 155-mm, Gas, Persistent, HD, M104, (DODIC 1320-D484)
- Projectile, 155-mm, HE, M101, (DODIC 1320-D485)

Figure 3-39. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
Chapter 3

Projectile, 155-mm, Smoke, WP, M104, (DODIC 1320-D487)
Reducer, Flash, Propelling Charge, M1, (DODIC 1320-D490)
Projectile, 155-mm, HE, ADAM, M692, (DODIC 1320-D501)
Projectile, 155-mm, HE, ADAM, M731, (DODIC 1320-D502)
Projectile, 155-mm, AT, RAAMS, M718, (DODIC 1320-D503)
Projectile, 155-mm, Illuminating, M485A2, (DODIC 1320-D505)
Projectile, 155-mm, HC, HE, M116E2, (DODIC 1320-D506)
Projectile, 155-mm, AT, RAAMS, M741, (DODIC 1320-D509)
Projectile, 155-mm, HE, RAAM-L, M718A1, (DODIC 1320-D515)
Projectile, 155-mm, Smoke, WP, M825, (DODIC 1320-D528)
Projectile, 155-mm, Smoke, M795, (DODIC 1320-D529)
*Charge, Propelling, 155-mm, M203A1, (DODIC 1320-D532)
*Charge, Propelling, 155-mm, M119A1 and M119A2, (DODIC 1320-D533)
*Charge, Propelling, 155-mm, M3 and M3A1, (DODIC 1320-D540)
*Charge, Propelling, 155-mm, M4A1 and M4A2, (DODIC 1320-D541)
Projectile, 155-mm, HE, M107, (DODIC 1320-D544)
Projectile, 155-mm, Smoke, HC, BE, M116, (DODIC 1320-D548)
*Projectile, 155-mm, Smoke, WP, M110, (DODIC 1320-D550)
Reducer, Flash, Propelling Charge, M2, (DODIC 1320-D552)
Dummy, Projectile, 155-mm, M7, (DODIC 1320-D553)
Projectile, 155-mm, HE, M449A1, (DODIC 1320-D562)
Projectile, 155-mm, HE, M483A1, (DODIC 1320-D563)
Projectile, 155-mm, HE, RA, M549, (DODIC 1320-D579)
Projectile, 155-mm, M864, (DODIC 1320-D684)
Charge, Propelling, 155-mm, MACS, M231, (DODIC 1320-DA12)
Charge, Propelling, 155-mm, MACS, M232, (DODIC 1320-DA13)
Projectile, 155-mm, RADAM, Short SD, with RAAMS A1, M1025,
(DODIC 1320-DA19)
Projectile, 155-mm, RADAM, Short SD, M1023, (DODIC 1320-DA20)
Projectile, 155-mm, RADAM, Long SD, M1024, (DODIC 1320-DA21)
Projectile, 155-mm, RADAM, Long SD, with RAAMS A1, M1026,
(DODIC 1320-DA22)
Fuze, Electronic Time, M762, (DODIC 1390-N289)
Fuze, Electronic Time, M767, (DODIC 1390-N290)
Fuze, Delay, Mod 1, PD, MK399, (DODIC 1390-N659)
Fuze, Multi-Option for Artillery, M782 (DODIC 1390-NA09)

Note: The required fuses and primers may be rigged as part of the load; however, only those fuses and primers listed in Table 1-3 are authorized to be airdropped.

*The old or new type propelling charge container may be rigged.

Figure 3-39. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop (continued)
Note: Each end requires four vertical layers of honeycomb and each side requires one vertical layer of honeycomb.

The following ammunition item is rigged in a double A-22 cargo bag for high-velocity airdrop as shown in Figure 3-40. Prepare a double A-22 skid according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11.

**155-Millimeter Ammunition**

Projectile, 155-mm, HEAT, M712 (Copperhead), (DODIC 1320-D510)

Figure 3-40. Ammunition Layout in a Double A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-41.

**175-Millimeter Ammunition**

Charge, Propelling, 175-mm, WB, M86A2, with Additive Jacket M1 and Primer Percussion M82, (DODIC 1320-D361)

Projectile, 175-mm, HE, M437A2, (DODIC 1320-D572)

*Note:* Required fuses are rigged with the load.

**Figure 3-41. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-42.

8-Inch Ammunition

*Charge, Propelling, 8-in, WB, M188 (DODIC 1320-D661)
Charge, Propelling, 8-in, WB, M188A1 (DODIC 1320-D662)
Charge, Propelling, 8-in, M1 (DODIC 1320-D675)
Charge, Propelling, 8-in, M2 (DODIC 1320-D676)
Projectile, 8-in, HE, M106 (DODIC 1320-D680)
Reducer, Flash, Propelling Charge, M3 (DODIC 1320-D681)
Projectile, 8-in, HE, M404 (DODIC 1320-D684)

Figure 3-42. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
Chapter 3

Primers and Fuses

Fuze, Delay, PD, MOD 1, MK399, (DODIC 1390-N659)

*Note: Required fuzes are rigged with the load.

*The old or new type propelling charge containers may be rigged.

Figure 3-42. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop (continued)

The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-43.

Grenades

Grenade, 40-mm, Smoke, Screening, L8A3, (DODIC 1330-G815)

Figure 3-43. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-44.

**Grenades**

Launcher, Grenade, 40-mm, Smoke, IR Screening, M76, (DODIC 1330-G826)

**Figure 3-44. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-45.

*Grenade*
Grenade, Hand, Offensive, MK3A2 with Fuze, (DODIC 1330-G911)

**Figure 3-45. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-46.

**Grenades**
Grenade, Launcher, Smoke, MM/IR, Screening, M81, (DODIC 1330-GG01)

Figure 3-46. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
Chapter 3

The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-47.

**Grenade**
Launcher and Grenade, Smoke, HC, WP, M176, (DODIC 1330-H050)
**Antipersonnel and Antitank Mines**

**CAUTION**
The M14 mine will contaminate the drop zone if the parachute malfunctions.

Mine, Antipersonnel, MN, M14, (DODIC 1345-K121)
Mine, Antitank, HEAT, Heavy M15 with Fuze M603, (DODIC 1345-K180)

**Flare and Signal Items**
Flare, Surface, M49A1, Trip, (DODIC 1370-L495)

**Demolition Items**
Cap, Blasting, Special Non-Electric, M7, (DODIC 1375-M131)
Detonator, Percussion, M1A2, 15-sec Delay, (DODIC 1375-M450)

Figure 3-47. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in a stretch A-22 cargo bag for high-velocity airdrop as shown in Figure 3-48. Prepare the stretch A-22 cargo bag according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-11.

**Rocket**
Rocket, 2.75-in, WP, M259, (DODAC 1340-H116)

Figure 3-48. Ammunition Layout in a Stretch A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in a stretch A-22 cargo bag for high-velocity airdrop as shown in Figure 3-49. Prepare the stretch A-22 cargo bag according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11.

Rocket
Rocket, 2.75-in, HE, w/M151 HYDRA, (DODIC 1340-H163)

Figure 3-49. Ammunition Layout in a Stretch A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-50.

**Rockets**
- Rocket, 2.75-in, Flare, IR, (DODIC 1340-H154)
- Rocket, 2.75-in, Flare, HYDRA, (DODIC 1340-H181)

*Figure 3-50. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop*
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-51.

Rockets
(4-Pack Boxes Only)

CAUTION
This load cannot be dropped in a double stick. It must be dropped in a single stick or single bundle.

Figure 3-51. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
Rigging High-Velocity A-22 Cargo Bag Loads

The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-52.

**Rockets**

*(25-Pack Boxes Only)*

- Rocket, 2.75-in, with WHD, HE, M151 with Fuze M440 and Motor MK40 Mod 3, (DODIC 1340-H161)
- Rocket, 2.75-in, with WHD, WDU-4A/A and Motor MK40 Mod 3, (DODIC 1340-H459)
- Rocket, 2.75-in, WHD, HE, M151 with Fuze M429 and Motor MK40 Mod 3, (DODIC 1340-H489)
- Rocket, 2.75-in, WHD, HE, M151 with Fuze M423 and Motor MK40 Mod 3, (DODIC 1340-H490)
- Rocket, 2.75-in, Smoke, WP, M156 with Fuze M423 and Motor MK40 Mod 3, (DODIC 1340-H519)
- Rocket, 2.75-in, WHD, HE, M229 with Fuze M423 and Motor MK40 Mod 3, (DODIC 1340-H534)
- Rocket, 2.75-in, WHD, HEDP, M247 with Fuze M438 and Motor MK40 Mod 3, (DODIC 1340-H826)

Figure 3-51. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop (continued)

Figure 3-52. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
Figure 3-52. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop (continued)

The following ammunition items are rigged in a double A-22 cargo bag for high-velocity airdrop as shown in Figure 3-53. Prepare the double A-22 cargo bag according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11.

**Rockets**
- Rocket, Flechette, (DODIC 1340-H462)
- Rocket, 2.75-in, MPSM, w/ MK66, MOD 1, M261, (DODIC 1340-H464)

Figure 3-53. Ammunition Layout in a Double A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-54.

**Rockets**
*(4-Pack Boxes Only)*
Rocket, 2.75-in, WHD, HE, M229, with Liner and Fuze M429 and Motor
MK40 Mod 3, (DODIC 1340-H488)

Figure 3-54. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-55.

Rocket

Note: This item must be rigged in the base-down position.

Rocket, 66-mm, HEAT, M72A2 with Launcher, (DODIC 1340-H557)

Figure 3-55. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-56.

*Antipersonnel and Antitank Mine*
Mine, Antipersonnel, M18A1 with Accessories, (DODIC 1345-K143)

Figure 3-56. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-57.

*Antipersonnel and Antitank Mine*
Mine, Antitank, HE, M121, Heavy with Fuze Combination M607,
(DODIC 1345-K181)

Figure 3-57. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-58.

*Antipersonnel and Antitank Mine*

Mine, AT, HE, M19, (DODIC 1345-K250)

**Figure 3-58. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-59.

**Incendiary Items**
Smoke Pot, Hexachloroethane, M5, (DODIC 1365-K866)

Figure 3-59. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-60.

**Incendiary Items**
Smoke Pot, Floating, HC, M4A2, (DODIC 1365-K867)

**Figure 3-60. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-61.

**Incendiary Item**
Thickener, Incendiary Oil, M4, (DODIC 1365-K917)

**Demolition Item**
Charge, Demolition, Block, 1/4-lb TNT, (DODIC 1375-M030)

Figure 3-61. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-62.

**Flare and Signal Items**

Flare, M206, Rigged w/ Cartridge, Impulse, M796  
Flare (DODIC 1370-L410)  
Cartridge (DODIC 1377-MD73)

**Figure 3-62. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-63.

**Demolition Items**
Charge, Demolition, Roll Type, M186, (DODIC 1375-M060)
Cap, Blasting, Special Electric, M6, (DODIC 1375-M130)

**Figure 3-63. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-64.

**60-Millimeter Ammunition**
- Cartridge, 60-mm, HE, M720, (DODIC 1310-B642)
- Cartridge, 60-mm, Smoke, WP, M722, (DODIC 1310-B646)
- Cartridge, 60-mm, Illuminating, M721, (DODIC 1310-B647)
- Cartridge, 60-mm, Illuminating, Infrared, M767, (DODIC 1310-BA04)
- Cartridge, 60-mm, Smoke, WP, M722A1, (DODIC 1310-BA14)

**Flare and Signal Items**
- Signal, Illuminating, Ground, M195, Green Star, (DODIC 1370-L305)
- Signal, Illuminating, Ground, M158, Red Star, (DODIC 1370-L306)
- Signal, Illuminating, Ground, M159, White Star, (DODIC 1370-L307)
- Signal, Illuminating, Ground Parachute, M126A1, (DODIC 1370-L311)
- Signal, Illuminating, Parachute, M127A1, White Star, (DODIC 1370-L312)
- Signal, Illuminating, Ground, Cluster, M125A1, (DODIC 1370-L314)
- Signal, Smoke, Parachute, M129A1, Red, (DODIC 1370-L323)
- Signal, Smoke, Parachute, M128A1, Green, (DODIC 1370-L324)

**Demolition Item**
- Destructor, Explosive, Universal, M10, (DODIC 1375-M241)

Figure 3-64. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-65.

60-Millimeter Ammunition
Cartridge, 60-mm, HE, M720E1 with M734A1 Fuze, (DODIC 1310-B642)

Figure 3-65. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-66.

Demolition Items
Charge, Demolition, Block, PETN, M118, (DODIC 1375-M024)
Firing Device, Demolition, M1, Release Type, (DODIC 1375-M631)

Figure 3-66. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-67.

Demolition Item
Charge, Demolition, Block, 55-lb, (DODIC 1375-M040)

Figure 3-67. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-68.

Demolition Item
Charge, Demolition, Block, M541, (DODIC 1375-M038)

Figure 3-68. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-69.

**Demolition Item**
Charge, Demolition, Shaped, HJE, 15-lb, M2A3, (DODIC 1375-M420)

Figure 3-69. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-70.

**Demolition Item**
Firing Device, Demolition, M1A1, Pressure Type, (DODIC 1375-M626)

*Figure 3-70. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop*
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-71.

**Note:** Dropping these items as a single item load may not be practical; however, they can be contained in an A-22 cargo bag with other compatible items and airdropped. Quantity and type of items that can be rigged in an A-22 cargo bag are determined by the individual ammunition container dimensions and weight.

*Incendiary Item*

Starter, Fire, NP3, M2, (DODIC 1370-L621)

**Figure 3-71. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
CAUTION
When proximity fuzes are airdropped, the boxed fuzes must be dropped in the nose-down position. If the boxes are damaged, the fuzes must not be used.

Fuze, MT, 565, (DODIC 1390-N248)
Fuze, MTSQ, M500 or M500A1, (DODIC 1390-N275)
Fuze, MTSQ, M501 or M501A1, (DODIC 1390-N276)
Fuze, MT, M564, (DODIC 1390-N278)
Fuze, MTSQ, M520, (DODIC 1390-N280)
Fuze, MTSQ, M577, (DODIC 1390-N285)
Fuze, MTSQ, M582A1, (DODIC 1390-N286)
Fuze, Electronic Time, M762, (DODIC 1390-N289)
Fuze, Electronic Time, M767, (DODIC 1390-N290)
Fuze, PD, M572, (DODIC 1390-N311)
Fuze, PD, M48A3, (DODIC 1390-N318)
Fuze, PD, M535, (DODIC 1390-N323)
Fuze, PD, M557, (DODIC 1390-N335)
Fuze, PD, M739, (DODIC 1390-N340)
Fuze, Proximity, M532, (DODIC 1390-N402)
Fuze, Proximity, M514, M514A1, or M514B1, (DODIC 1390-N411)
Fuze, Proximity, M513A1 or M513B1, (DODIC 1390-N412)
Fuze, Proximity, M517, (DODIC 1390-N417)
Fuze, Proximity, M728, (DODIC 1390-N463)
Fuze, Proximity, M514A1, (DODIC 1390-N477)
Primer, Percussion, M82, (DODIC 1390-N523)
Primer, Percussion, MK2A4, (DODIC 1390-N525)
Fuze, Multi-Option for Artillery, M782, (DODIC 1390-NA09)

Figure 3-71. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop (continued)
Chapter 3

The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-72.

**Fuzes and Primers**

Fuze, Proximity, M732, (DODIC 1390-N464)

Figure 3-72. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-73.

**Flare and Signal Items**
- Signal, Underwater Sound, MK61, Mod O, (NALC SWO8)
- Signal, Underwater Sound, MK82, Mod O, (NALC SW32)

*Figure 3-73. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop*
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-74.

**Fuzes and Primers**

Fuze, Delay, PD, MOD 1, MK399, (DODIC 1390-N659)

Figure 3-74. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-75.

**81-Millimeter Ammunition**
Cartridge, 81-mm, HE, M821A1/M821A2 with Fuze, M734A1 (DODIC 1315-C868)
Cartridge, 81-mm, HE, M889A1/M889A2 with Fuze, M734A1, (DODIC 1315-C869)
Cartridge, 81-mm, FRP, M879, (DODIC 1315-C875)

**Figure 3-75. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-76.

**Grenades**
Grenade, Launcher, Smoke, Screening, TA, M90, (DODIC 1330-GG03)

Figure 3-76. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-77.

**105-Millimeter Ammunition**

- Cartridge, 105-mm, HERA, M913 in PA117 Containers, (DODIC 1315-C546)
- Cartridge, 105-mm, DPICM, M915, (DODIC 1315-CA11)
- Cartridge, 105-mm, HE-T/TP-T, M393A3, (DODIC 1315-CA32)

Figure 3-77. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-78.

**Rockets**
Rocket, 83-mm, HEDP, BDM, (DODIC 1340-HA08)

*Figure 3-78. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop*
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-79.

**Demolition Item**
Demolition Kit, Fighting Position Excavator, M300, (DODIC 1375-MN26)

Figure 3-79. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-80.

**Grenades**

Grenade, Discharger, Anti-Riot, Irritant, L96E1, (DODIC 1330-FZ14)

Grenade, Discharger, Anti-Riot, Irritant, L97E1, (DODIC 1330-FZ15)

**Figure 3-80. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-81.

*Munition*

Munition, Wide Area, Hornet, M93, (DODIC 1377-SQ20)

**Figure 3-81. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-82.

**120-Millimeter Ammunition**

Cartridge, 120-mm, Visible Illuminating, M930 with M230 Propellant Charge and M981 Ignition Charge, (DODIC 1315-C625)

Cartridge, 120-mm, Illuminating, IR, M983, (DODIC 1315-CA07)

Figure 3-82. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-83.

81-Millimeter Ammunition
Cartridge, 81-mm, Illuminating, IR, M816, (DODIC 1315-C484)

Figure 3-83. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-84.

**84-Millimeter Ammunition**
- Cartridge, 84-mm, Practice, with Tracer, TPT141, (DODIC 1315-CA10)
- Cartridge, 84-mm, HEDP, IM, 502, (DODIC 1315-CA21)
- Cartridge, 84-mm, MAAWS, Reduced Sensitivity (RS), 441D, (DODIC 1315-CA27)

Figure 3-84. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-85.

**84-Millimeter Ammunition**
Munition, 84-mm, Area Deterrent, 401, (DODIC 1315-CA23)
Cartridge, 84-mm, MAAWS, 545C, Illumination, (DODIC 1315-CA36)

*Figure 3-85. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop*
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-86.

**84-Millimeter Ammunition**
Munition, 84-mm, HEAT, Insensitive, 551C, (DODIC 1315-CA20)

Figure 3-86. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-87.

**7.62-Millimeter Ammunition**
- Cartridge, 7.62-mm, Linked, 9-Ball, M80, 1Tracer, M276, (DODIC 1305-A257)
- Cartridge, 7.62-mm, Linked, 9-Ball, M80, 1Tracer, M62, (DODIC 1305-A165)

**Figure 3-87. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-88.

**60-Millimeter Ammunition**

Cartridge, 60-mm, M720A1, (DODIC 1310-BA16)

Cartridge, 60-mm, M768, (DODIC 1310-BA17)

**Figure 3-88. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop**
The following ammunition item is rigged in an A-22 cargo bag for high-velocity airdrop as shown in Figure 3-89.

**84-Millimeter Ammunition**
Cartridge, 84-mm, AT4 Confined Space (CS), Reduced Sensitivity (RS)
(DODIC 1315-CA30)

*Figure 3-89. Ammunition Layout in an A-22 Cargo Bag for High-Velocity Airdrop*
CAUTION

1. The suspended weight of this load must be between 795 pounds and 805 pounds.
2. The ballast used in the BCC must be contained (i.e. tied sandbags) so it does not leak outside of the BCC.

NOTE: The Ballast Containment Compartment and top layer of honeycomb are placed inside of the sling assembly and cover of the A-22 cargo bag.

Figure 3-90. Honeycomb Stack and Rigging Steps for MDI Munitions in an A-22 Cargo Bag for High Velocity Airdrop
# RIGGING STEPS

1. Build the Ballast Containment Compartment (BCC) using two pieces of 2- by 4- by 48-inch lumber, two pieces of 2- by 4- by 45-inch lumber, and two pieces of 48-inch X 48-inch X 3/4-inch plywood. Do not nail the top piece of plywood until after the ballast has been added. The weight of the BCC is approximately 78 pounds.

2. The combined weight of the BCC, Ballast, and the Modernized Demolition Initiator (MDI) items must be between 795 and 805 pounds.

3. Weigh the MDI items, add 78 pounds (weight of the BCC), and subtract this sum from 800. This figure is the amount of ballast weight that must be added in the BCC. Evenly distribute the ballast in the BCC and fill all empty spaces with honeycomb so the ballast does not move. Nail the top on the BCC.

4. Prepare and position the load on the honeycomb stack shown above in accordance with FM 4-20.103/MCRP 4-11.3C/TO 13C7-11, Chapter 9, Section II. The following restrictions apply:
   - The containers (wooden crates) may be broken down into smaller packaging units.
     - Individual corrugated cardboard boxes.
     - Individual foil wrapped items.
     - MDI items may be rigged for airdrop up to their smallest packaging unit.
   - MDI items in their smallest packaging unit must be encased in a honeycomb bin. See Appendix B for honeycomb bin fabrication.
   - No container may be rigged on top of a honeycomb bin except another honeycomb bin.
   - Only honeycomb bins and corrugated cardboard boxes may be rigged on top of corrugated cardboard boxes.
   - Wooden crates can only be stacked on top of other wooden crates.
   - Corrugated cardboard boxes containing spools of shock tubing (M12, M13) must be positioned so the spools are lying flat on their base.

5. Center the load on the A-22 container. Place honeycomb on all four sides of the bundle and secure the honeycomb with Type III nylon cord. Place a piece of honeycomb over the top of the load and position a piece of 3/4-inch plywood on top of the honeycomb. Close and secure the A-22 container.

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**Figure 3-90. Honeycomb Stack and Rigging Steps for MDI Munitions in an A-22 Cargo Bag for High Velocity Airdrop (continued)**
The following ammunition items are rigged in an A-22 cargo bag for high-velocity airdrop using the honeycomb stack and rigging steps in Figure 3-90.

**Modernized Demolition Initiators**
- Holder, Blasting Cap, M9, (DODIC 1375-ML45)
- Cap, Blasting, Nonelectric, 30 foot Shock Tube, M11 (1.4B), (DODIC 1375-ML47)
- Cap, Blasting, Nonelectric, 500 foot Shock Tube, M12 (1.4S), (DODIC 1375-MN02)
- Cap, Blasting, Nonelectric, 1000 foot Shock Tube, M13, (1.4S), (DODIC 1375-MN03)
- Cap, Blasting, Nonelectric, Delay, M14, (1.4S), (DODIC 1375-MN06)
- Cap, Blasting, Nonelectric, Delay, M15, (DODIC 1375-MN07)
- Ignitor, Time Blasting Fuze, M81, w/ Shock Tube Capability (1.4S), (DODIC 1375-MN08)
- Cap, Blasting, Non-Electric, M16, (DODIC 1375-MN39)
- Cap, Blasting, Non-Electric, M18, (DODIC 1375-MN41)
- Cap, Blasting, Dual, In-line Initiator, Non-Electric, 200-ft Minitube, M19 (DODIC 1375-MN86)
- Trainer, Inert (for M19), M20, (DODIC 1375-MN87)
- Cap, Blasting, Dual, In-line Initiator, Non-Electric, 500-ft Minitube, M21 (DODIC 1375-MN88)
- Trainer, Inert (for M21 and M23), M22, (DODIC 1375-MN89)
- Cap, Blasting, Dual, In-line Initiator, Non-Electric, 1000-ft Minitube, M23 (DODIC 1375-MN90)

Figure 3-90. Honeycomb Stack and Rigging Steps for MDI Munitions in an A-22 Cargo Bag for High Velocity Airdrop (continued)
PREPARING A-7A CARGO SLINGS AND A-21 CARGO BAGS

4-1. Prepare the A-7A cargo slings and A-21 cargo bag according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11.

SPECIAL INSTRUCTIONS

4-2. Follow these special instructions when rigging A-7A cargo slings or A-21 cargo bag for low-velocity airdrop.

- The ammunition loads are positioned in the A-7A cargo slings or A-21 cargo bag for low-velocity airdrop according to the figures listed in this chapter.
- The A-7A cargo sling and the A-21 cargo bag dimension limits are listed in FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11 according to type of aircraft used.
- The minimum allowable weight of an A-7A cargo sling or A-21 cargo bag, without parachute, is 28 pounds per square foot over the ramp and 11 pounds per square foot out the parachute doors, based on the largest surface area.
- The A-7A cargo slings or A-21 cargo bag must be closed and secured according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11.

PARACHUTE REQUIREMENTS

4-3. Select the correct parachute from Table 1-1. Attach the parachute to the rigged load according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11.
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-1.

**5.56-Millimeter Ammunition**
- Cartridge, 5.56-mm, Ball, M855, (DODIC 1305-A059)
- Cartridge, 5.56-mm, Tracer, M856, (DODIC 1305-A063)
- Cartridge, 5.56-mm, Tracer, M196, (DODIC 1305-A068)
- Cartridge, 5.56-mm, Ball, M193, (DODIC 1305-A071)

**7.62-Millimeter Ammunition**
- Cartridge, 7.62-mm, Blank, M82, (DODIC 1305-A111)
*Note: M82 boxes must be oriented with the long side sitting vertically.*
- Cartridge, 7.62-mm, Ball, M59 and M80, (DODIC 1305-A122)
- Cartridge, 7.62-mm, Tracer, M62, (DODIC 1305-A124)
- Cartridge, 7.62-mm, Ball, Tracer, Linked with M13 Link, M80 (DODIC 1305-A127)
- Cartridge, 7.62-mm, 5-rd Clip, M80, (DODIC 1305-A130)
- Cartridge, 7.62-mm, Ball, Tracer, Linked with M13 Link, M62 (DODIC 1305-A131)
- Cartridge, 7.62-mm, Ball, Tracer, M80/1 Linked, M62 (DODIC 1305-A131)
- Cartridge, 7.62-mm, Match, M118, (DODIC 1305-A136)
- Cartridge, 7.62-mm, Tracer, M62, (DODIC 1305-A140)
- Cartridge, 7.62-mm, Ball, M80, Linked, (DODIC 1305-A143)
- Cartridge, 7.62-mm, Tracer, M62, Clipped, (DODIC 1305-A145)
- Cartridge, 7.62-mm, Tracer, M62, Linked, (DODIC 1305-A146)

**.30-Caliber Ammunition**
- Cartridge, Cal .30, AP API, 8-rd Clip, Grade R, (DODIC 1305-A205)

Figure 4-1. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
Cartridge, Cal .30, AP API, M2 Linked with M1 Link, Grade MG, (DODIC 1305-A207)
Cartridge, Cal .30, AP API, Linked with Tracer, (DODIC 1305-A209)
Cartridge, Cal .30, Ball, M2, (DODIC 1305-A212)
Cartridge, Cal .30, Ball, M2, Clipped, (DODIC 1305-A216)
Cartridge, Cal .30, Tracer, M1 or M25, Clipped, (DODIC 1305-A234)
Cartridge, Cal .30, Tracer, M25, Linked, (DODIC 1305-A236)

.32-Caliber Ammunition
Cartridge, Cal .32, Ball, Auto 71, Grain, (DODIC 1305-A350)

.38-Caliber Ammunition
Cartridge, Cal .38, Special, Ball, M41, (DODIC 1305-A400)

.45-Caliber Ammunition
Cartridge, Cal .45, Ball, M1911, (DODIC 1305-A475)

.50-Caliber Ammunition
Cartridge, Cal .50, API, M8, (DODIC 1305-A531)
Cartridge, Cal .50, API, M8, Linked, (DODIC 1305-A533)
Cartridge, Cal .50, API-T, M1/M17 Linked, (DODIC 1305-A540)
Cartridge, Cal .50, API-T, M20, (DODIC 1305-A541)
Cartridge, Cal .50, API-T, M20, Linked with M2 Link, Grade AC, (DODIC 1305-A543)
Cartridge, Cal .50, API-T, M20, Linked with M2 Link, Grade MG, (DODIC 1305-A544)
Cartridge, Cal .50, Tracer, M17, Grade MG, (DODIC 1305-A571)
Cartridge, Cal .50, Tracer, M17, Linked with M2 Link, Grade AC, (DODIC 1305-A572)
Cartridge, Cal .50, Spotter-Tracer, M48A2, (DODIC 1305-A574)
Cartridge, Cal .50, Linked, 4 API, M8, API-T, M20, (DODIC 1305-A576)
Cartridge, Cal .50, Linked, 4 API, M8, API-T, M20, (DODIC 1305-A577)
Cartridge, Cal .50, API-T, M20, Linked, (DODIC 1305-A585)
Cartridge, Cal .50, Linked, 4 API, M8, API-T, M20, (DODIC 1305-A587)
Cartridge, Cal .50, Linked, 4 API, M8, API-T, M20, (DODIC 1305-A589)
Cartridge, Cal .50, API Lowlite, Linked, 1 Tracer, M257, 2 MK 263, 2 MK211, 1 M20 Tracer, 4 M20, (DODIC 1305-AA50)

Grenade
Cartridge, Grenade, Rifle, NATO, 7.62-mm, M64, (DODIC 1330-G839)

Incendiary Item
Burster, Incendiary, Field, M4 without Fuze, (DODIC 1345-K010)

Antipersonnel and Antitank Mine
Mine, Antipersonnel, M18A1 with Accessories, (DODIC 1345-K143)

Figure 4-1. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop (continued)
Chapter 4

Flare and Signal Items
Signal, Illuminating, Ground, M195, Green Star, (DODIC 1370-L305)
Signal, Illuminating, Ground, M158, Red Star, (DODIC 1370-L306)
Signal, Illuminating, Ground, M159, White Star, (DODIC 1370-L307)
Signal, Illuminating, Ground Parachute, M126A1, (DODIC 1370-L311)
Signal, Illuminating, Parachute, M127A1, White Star, (DODIC 1370-L312)
Signal, Illuminating, Ground, Cluster, M125A1, (DODIC 1370-L314)
Signal, Smoke, Parachute, M129A1, Red, (DODIC 1370-L323)
Signal, Smoke, Parachute, M128A1, Green, (DODIC 1370-L324)

Figure 4-1. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop (continued)

The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-2.

Shotgun Ammunition
Cartridge, 12-gauge Shotgun, No. 00 Buckshot, M162, (DODIC 1305-A011)

Figure 4-2. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-3.

**7.62-Millimeter Ammunition**
- Cartridge, 7.62-mm, Linked, 9-ball, M80, 1 Tracer, M62, (DODIC 1305-A165)
- Cartridge, 7.62-mm, Linked, 9-Ball, M80, 1Tracer, M276, (DODIC 1305-A257)

**.30-Caliber Ammunition**
- Cartridge, Cal .30, AP, API, Carton, Grade R, (DODIC 1305-A201)
- Cartridge, Cal .30, AP, API, Carton, Grade MG, (DODIC 1305-A202)
- Cartridge, Cal .30, Ball, M2, Clipped, (DODIC 1305-A214)
- Cartridge, Cal .30, Tracer, M1, Clipped, (DODIC 1305-A232)

**.50-Caliber Ammunition**
- Cartridge, Cal .50, API-T, M20, Carton, Grade MG, (DODIC 1305-A542)

**40-Millimeter Ammunition**
- Cartridge, 40-mm, AP-T, M81, (DODIC 1310-B552)
- Cartridge, 40-mm, HE-T, SD, M3, MK11, MK2, (DODIC 1310-B562)

**4.2-Inch Ammunition**
- Cartridge, 4.2-in, HE, M329A1, (DODIC 1315-C704)
- Cartridge, 4.2-in, HE, M329A1, (DODIC 1315-C705)
- Cartridge, 4.2-in, Illuminating, M335A2, (DODIC 1315-C706)
- Cartridge, 4.2-in, Smoke, WP, M328A1, (DODIC 1315-C708)

**90-Millimeter Ammunition**
- Cartridge, 90-mm, WP, M313C, (DODIC 1315-C258)

Figure 4-3. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
| Cartridge, 90-mm, HE, M71, (DODIC 1315-C265) |
| Cartridge, 90-mm, HE, M71, (DODIC 1315-C266) |
| Cartridge, 90-mm, HE, M71, (DODIC 1315-C267) |
| Cartridge, 90-mm, Smoke, WP, M313, (DODIC 1315-C273) |
| Cartridge, 90-mm, HE-T, M71A1 with Fuze PD M557, (DODIC 1315-C280) |
| Cartridge, 90-mm, AP-T, M318 or M318A1, (DODIC 1315-C285) |
| Cartridge, 90-mm, HEP-T, T142E3, (DODIC 1315-C292) |
| Cartridge, 90-mm, HEAT, M431A1, (DODIC 1315-C294) |
| Cartridge, 90-mm, Canister, M377, (DODIC 1315-C601) |

**105-Millimeter Ammunition**

| Cartridge, 105-mm, HE, M1, (DODIC 1315-C443) |
| Cartridge, 105-mm, HE, M1, (DODIC 1315-C444) |
| Cartridge, 105-mm, HE, M1, (DODIC 1315-C445) |
| Cartridge, 105-mm, HEP-T, M327, (DODIC 1315-C448) |
| Cartridge, 105-mm, Illuminating, M314A3, (DODIC 1315-C449) |
| Cartridge, 105-mm, Smoke, HC, BE, M84 or M84A1, (DODIC 1315-C452) |
| Cartridge, 105-mm, Smoke, WP, M60, (DODIC 1315-C454) |
| Cartridge, 105-mm, HE, M444, (DODIC 1315-C462) |
| Cartridge, 105-mm, HE, M548E1, (DODIC 1315-C463) |
| Cartridge, 105-mm, Tactical, CS, M629, (DODIC 1315-C468) |
| Cartridge, 105-mm, HE, M760, (DODIC 1315-C473) |
| Cartridge, 105-mm, Smoke, WP, M60, (DODIC 1315-C477) |
| Cartridge, 105-mm, APDS-T, M728, (DODIC 1315-C494) |
| Cartridge, 105-mm, APDS-T, M392A2, (DODIC 1315-C505) |
| Cartridge, 105-mm, HEAT-T, M456A1E2, (DODIC 1315-C508) |
| Cartridge, 105-mm, TP-T, M490, (DODIC 1315-C511) |
| Cartridge, 105-mm, Smoke, WP-T, M416 w/ Fuze BD M534A1, (DODIC 1315-C512) |
| Cartridge, 105-mm, APERS-T, M546 with Fuze MT M563, (DODIC 1315-C513) |
| Cartridge, 105-mm, HEP-T, M393A2, (DODIC 1315-C518) |
| Cartridge, 105-mm, APER-T, M494 with Fuze M571, (DODIC 1315-C519) |

**106-Millimeter Ammunition**

| Cartridge, 106-mm, HEAT, M344A1, (DODIC 1315-C650) |
| Cartridge, 106-mm, HEP-T, M346A1, (DODIC 1315-C651) |
| Cartridge, 106-mm, APERS-T, M581, (DODIC 1315-C660) |

**Antipersonnel and Antitank Mine**

Mine, Antitank, HE, M121, Heavy w/ Fuze Combination M607, (DODIC 1345-K181)

**Demolition Item**

Firing Device, Demolition, M1, Pull Type, (DODIC 1375-M630)

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Figure 4-3. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop (continued)
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-4.

**.50-Caliber Ammunition**
- Cartridge, Cal .50, API, M8, Carton, Grade MG or API-T, M20, (DODIC 1305-A532)
- Cartridge, Cal .50, API, M8, Linked with M2 Link, Grade MG, (DODIC 1305-A534)

**40-Millimeter Ammunition**
- Cartridge, 40-mm, HEI-T, SD, M3, (DODIC 1310-B559)

**60-Millimeter Ammunition**
- Cartridge, 60-mm, Illuminating, M83A3, (DODIC 1310-B627)

**81-Millimeter Ammunition**
- Cartridge, 81-mm, Illuminating, M301A3, (DODIC 1315-C226)

**Antipersonnel and Antitank Mine**
- Mine, AP, M26, (DODIC 1345-K146)

**Demolition Items**
- Charge, Demolition, Block, 1/4-lb TNT, (DODIC 1375-M030)
- Charge, Demolition, Roll Type, M-186, (DODIC 1375-M060)
- Cap, Blasting, Special Non-Electric, M7, (DODIC 1375-M131)
- Cord, Detonating, Reinforced Pliofilm/Wrapped Waterproof, Type I, (DODIC 1375-M456)
- Dynamite, Military, M1, (DODIC 1375-M591)
- Firing Device, Demolition, M1A1 Pressure Type, (DODIC 1375-M626)

**Fuzes and Primers**
- Primer, Percussion, M82, (DODIC 1390-N523)

Figure 4-4. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-5.

**20-Millimeter Ammunition**
- Cartridge, 20-mm, Linked, 4 HEI/TP-T, (DODIC 1305-A653)
- Cartridge, 20-mm, Linked, 7 HEI, M56A3-1, M220, (DODIC 1305-A655)
- Cartridge, 20-mm, Linked, HEAT-SD, M246, (DODIC 1305-A792)

**Demolition Items**
- Charge, Demolition, Block, 1/2-lb TNT, (DODIC 1375-M031)
- Charge, Demolition, Block, 1-lb TNT, (DODIC 1375-M032)

Figure 4-5. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-6.

25-Millimeter Ammunition
Cartridge, 25-mm, M791, (DODIC 1305-A974)
Cartridge, 25-mm, HEI-T, M792, w/M758 Fuze, (DODIC 1305-A975)
Cartridge, 25-mm, M919, (DODIC 1305-A986)

81-Millimeter Ammunition
Cartridge, 81-mm, Illuminating, IR, M816 (DODIC 1315-C484)
Cartridge, 81-mm, HE, M821A1/M821A2 with Fuze M734A1, (DODIC 1315-C868)
Cartridge, 81-mm, HE, M889A1/M889A2 with Fuze M734A1, (DODIC 1315-C869)
Cartridge, 81-mm, FRP, M879, (DODIC 1315-C875)

Figure 4-6. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
Chapter 4

The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-7.

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<th>Ammunition Category</th>
<th>Cartridge Description</th>
<th>DODIC Code</th>
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<td><strong>40-Millimeter Ammunition</strong></td>
<td>Cartridge, 40-mm, HEDP, M33</td>
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<td>Cartridge, 40-mm, HEDP, Linked, M430</td>
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<td>Cartridge, 40-mm, HE, Linked, M383E1</td>
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<td>Cartridge, 40-mm, HE, Linked, M384</td>
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<td>Cartridge, 60-mm, HE, M49A4</td>
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<td><strong>81-Millimeter Ammunition</strong></td>
<td>Cartridge, 81-mm, HE, M362</td>
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<td><strong>90-Millimeter Ammunition</strong></td>
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<td>Cartridge, 90-mm, Canister, APERS, M590</td>
<td>(DODIC 1315-C410)</td>
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Figure 4-7. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
Grenades
Grenade, Hand, Offensive, MK3A2 with Fuze, (DODIC 1330-G911)

Flare and Signal Items

Demolition Items
Charge, Demolition, Block, PETN, M118, (DODIC 1375-M024)
Charge, Demolition, Block, 40-lb Cratering Ammonium Nitrate (DODIC 1375-M039)
Firing Device, Demolition, M5, Pressure Release Type, (DODIC 1375-M627)
Firing Device, Demolition, M1, Release Type, (DODIC 1375-M631)

Figure 4-7. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop (continued)

The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-8.

40-Millimeter Ammunition
Cartridge, 40-mm, Illuminating, M661, (DODIC 1310-B504)
Cartridge, 40-mm, Illuminating, M662, (DODIC 1310-B505)
Cartridge, 40-mm, Red Smoke, M713, (DODIC 1310-B506)
Cartridge, 40-mm, Green Smoke, M715, (DODIC 1310-B508)
Cartridge, 40-mm, Yellow Smoke, M716, (DODIC 1310-B509)

Incendiary Items
Smoke Pot, Hexachloroethane, M5, (DODIC 1365-K866)
Smoke Pot, Floating, HC, M4A2, (DODIC 1365-K867)

Figure 4-8. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-9.

**30-Millimeter Ammunition**

Cartridge, 30-mm, Target Practice, M788, (DODIC 1305-B118)

Cartridge, 30-mm, HE, Dual Purpose, M789, (DODIC 1305-B129)

Cartridge, 30-mm, HE, Dual Purpose, M789, (DODIC 1305-B130)

Figure 4-9. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-10.

40-Millimeter Ammunition
Cartridge, 40-mm, Illuminating, M583A1, (DODIC 1310-B535)

Figure 4-10. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-11.

40-Millimeter Ammunition
Cartridge, 40-mm, HEDP, Linked, M430, (DODIC 1310-B542)
Cartridge, 40-mm, TP, M918, (DODIC 1310-B584)

Figure 4-11. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-12.

**40-Millimeter Ammunition**
Cartridge, 40-mm, HEDP, M433, (DODIC 1310-B546)

**Flare and Signal Item**
Flare, Surface, M49A1, Trip, (DODIC 1370-L495)

Figure 4-12. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-13.

### 60-Millimeter Ammunition

**Cartridge, 60-mm, Smoke, WP, M302A1, (DODIC 1310-B630)**

**Grenade**

Grenade, Hand, Incendiary, TH-3, AN-M14 with Fuze M201A1 (DODIC 1330-G900)

**Antipersonnel and Antitank Mine**

Mine, Antipersonnel, M16A1 with Fuze M605, (DODIC 1345-K092)

**Demolition Items**

Charge, Demolition Block, Comp, C4, 1 1/4-Ib, M112, (DODIC 1375-M023)

Firing Device, Demolition, M3, Pull-Release Type, (DODIC 1375-M629)

Figure 4-13. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-14.

**90-Millimeter Ammunition**  
*(Rigged in Fiber Containers)*

- Cartridge, 90-mm, HEAT, M371, (DODIC 1315-C282)
- Cartridge, 90-mm, Canister, APERS, M590, (DODIC 1315-C410)

**Figure 4-14. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop**
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-15.

105-Millimeter Ammunition
Cartridge, 105-mm, APFSDS-T, M833, (DODIC 1315-C524)

Figure 4-15. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-16.

**105-Millimeter Ammunition**  
*(Rigged in Fiber Containers)*
- Cartridge, 105-mm, HEAT-T, M456A1E2, (DODIC 1315-C508)
- Cartridge, 105-mm, TP-T, M490, (DODIC 1315-C511)

**152-Millimeter Ammunition**  
*(Rigged in Fiber Containers)*
- Cartridge, 152-mm, HEAT-MP, M409E6, (DODIC 1320-D381)
- Cartridge, 152-mm, Canister, M625A1, (DODIC 1320-D390)

**Figure 4-16. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop**
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-17.

**105-Millimeter Ammunition**

Cartridge, 105-mm, APFSDS-T, M900E1, (DODIC 1315-C543)

Figure 4-17. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-18.

**84-Millimeter Ammunition**
Munition, 84-mm, Area Deterrent, 401, (DODIC 1315-CA23)

**120-Millimeter Ammunition**
Cartridge, 120-mm, HE, M934, with or without Fuze M734A1, (DODIC 1315-C379)
Cartridge, 120-mm, HE, M933, with or without Fuze M734A1, (DODIC 1315-C623)
Cartridge, 120-mm, M929, Smoke, WP, w/Fuze, PD, M745, or M734A1, (DODIC 1315-C624)

Figure 4-18. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-19.

**4.2-Inch Ammunition**

Cartridge, 4.2-in, HE, w/o Fuze, (DODIC 1315-C697)

Figure 4-19. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-20.

**120-Millimeter Ammunition**
- Cartridge, 120-mm, HE, M57, (DODIC 1315-C788)
- Cartridge, 120-mm, Illuminating, M91, (DODIC 1315-C790)

**Figure 4-20. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop**
Chapter 4

AMMUNITION BOXES

HONEYCOMB LAYERS

SKID

The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-21.

152-Millimeter Ammunition
Cartridge, 152-mm, TD-T, M411E3, (DODIC 1320-D380)

Demolition Items
Charge, Demolition, Chain, M1, Eight 2 1/2-lb Telrytol Charge Strung on Detonating Cord, (DODIC 1375-M035)
Charge, Demolition, Block, M2, (DODIC 1375-M036)
Charge, Demolition, Block, M541, (DODIC 1375-M038)
Charge, Demolition, Shaped, HJE, 15-lb, M2A3, (DODIC 1375-M420)
Charge, Demolition, Shaped, 40-lb, M3, (DODIC 1375-M421)
Detonator, Percussion, M1A2, 15-sec Delay, (DODIC 1375-M450)

Figure 4-21. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-22.

**155-Millimeter Ammunition**
- Charge, Propelling, 155-mm, M19, (DODIC 1320-D480)
- Projectile, 155-mm, Gas, Persistent, HD, M104, (DODIC 1320-D484)
- Projectile, 155-mm, HE, M101, (DODIC 1320-D485)
- Projectile, 155-mm, Smoke, WP, M104, (DODIC 1320-D487)
- Reducer, Flash, Propelling Charge, M1, (DODIC 1320-D490)
- Projectile, 155-mm, HE, ADAM, M692, (DODIC 1320-D501)
- Projectile, 155-mm, HE, ADAM, M731, (DODIC 1320-D502)
- Projectile, 155-mm, AT, RAAMS, M718, (DODIC 1320-D503)
- Projectile, 155-mm, Illuminating, M485A2, (DODIC 1320-D505)
- Projectile, 155-mm, HC, HE, M116E2, (DODIC 1320-D506)
- Projectile, 155-mm, AT, RAAMS, M741, (DODIC 1320-D509)
- Projectile, 155-mm, HE, RAAM-L, M718A1, (DODIC 1320-D515)
- Projectile, 155-mm, M795, (DODIC 1320-D529)
* Charge, Propelling, 155-mm, M203A1, (DODIC 1320-D532)
* Charge, Propelling, 155-mm, M119A1 and M119A2, (DODIC 1320-D533)
* Charge, Propelling, 155-mm, M3 and M3A1, (DODIC 1320-D540)
* Charge, Propelling, 155-mm, M4A1 and M4A2, (DODIC 1320-D541)
- Projectile, 155-mm, HE, M107, (DODIC 1320-D544)
- Projectile, 155-mm, Smoke, HC, BE, M116, (DODIC 1320-D548)

Figure 4-22. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
*Projectile, 155-mm, Smoke, WP, M110, (DODIC 1320-D550)
Reducer, Flash, Propelling Charge, M2, (DODIC 1320-D552)
Projectile, Dummy, 155-mm, M7, (DODIC 1320-D553)
Projectile, 155-mm, M449A1, (DODIC 1320-D562)
Projectile, 155-mm, HE, M483A1, (DODIC 1320-D563)
Projectile, 155-mm, HE, RA, M549, (DODIC 1320-D579)
Charge, Propelling, 155-mm, MACS, M231, (DODIC 1320-DA12)
Charge, Propelling, 155-mm, MACS, M232, (DODIC 1320-DA13)
Projectile, 155-mm, RADAM, Short SD, with RAAMS A1, M1025,
(DODIC 1320-DA19)
Projectile, 155-mm, RADAM, Short SD, M1023, (DODIC 1320-DA20)
Projectile, 155-mm, RADAM, Long SD, M1024, (DODIC 1320-DA21)
Projectile, 155-mm, RADAM, Long SD, with RAAMS A1, M1026,
(DODIC 1320-DA22)

Fuses and Primers

Fuze, Electronic Time, M762, (DODIC 1320-N289)
Fuze, Electronic Time, M767, (DODIC 1320-N290)
Fuze, Delay, PD, Mod 1, MK399, (DODIC 1390-N659)

Note: The required fuses and primers may be rigged as part of the load; however, only those fuses and primers listed in Table 1-3 are authorized to be airdropped.

*The old or new type propelling charge container may be rigged.

Figure 4-22. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop (continued)
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-23.

**155-Millimeter Ammunition**
Projectile, 155-mm, Smoke, WP, M825, (DODIC 1320-D528)

*Figure 4-22. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop*
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-24.

**Grenades**
Grenade, 40-mm, Smoke, Screening, L8A3, (DODIC 1330-G815)

**Figure 4-24. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop**

The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-25.

**Grenades**
Launcher, Grenade, 40-mm, Smoke, IR Screening, M76, (DODIC 1330-G826)

**Figure 4-25. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop**
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-26.

**Grenade**
Grenade, Hand, Fragmentation, M26 or M26A1, (DODIC 1330-G890)

**Figure 4-26. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop**
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-27.

**Grenades**
- Grenade, Hand, Smoke, HC, ABC, AN-M18 w/ Fuze, (DODIC 1330-G930)
- Grenade, Hand, Green Smoke, M18 w/ Fuze, (DODIC 1330-G940)
- Grenade, Hand, Yellow Smoke, M18 w/ Fuze, (DODIC 1330-G945)
- Grenade, Hand, Red Smoke, M18 w/ Fuze, (DODIC 1330-G950)
- Grenade, Hand, Violet Smoke, M18 w/ Fuze M201A1, (DODIC 1330-G955)
- Grenade, Hand, Riot Control, M7A3 w/ Fuze, (DODIC 1330-G963)

**Fuses and Primers**
- Primer, Percussion, MK2A4, (DODIC 1390-N525)

**Figure 4-27. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop**
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-28.

**Grenades**
Grenade, Launcher, Smoke, MM/IR, Screening, M81, (DODIC 1330-GG01)

Figure 4-28. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-29.

*Antipersonnel and Antitank Mines*

Mine, AT, HE, M19, (DODIC 1345-K250)

**Figure 4-29.** Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-30.

**Flare and Signal Items**
- Flare, M206, Rigged w/Cartridge, Impulse, M796
- Flare (DODIC 1370-L410)
- Cartridge (DODIC 1377-MD73)

*Figure 4-30. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop*
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-31.

5.56-Millimeter Ammunition
Cartridge, 5.56-mm, Ball, M855 and Tracer, M856 Linked, (DODIC 1305-A064)

60-Millimeter Ammunition
Cartridge, 60-mm, HE, M720, (DODIC 1310-B642)
Cartridge, 60-mm, HE, M720E1 with M734A1 Fuze, (DODIC 1310-B642)
Cartridge, 60-mm, Smoke, WP, M722, (DODIC 1310-B646)
Cartridge, 60-mm, Illuminating, M721, (DODIC 1310-B647)
Cartridge, 60-mm, Illuminating, Infrared, M767, (DODIC 1310-BA04)
Cartridge, 60-mm, Smoke, WP, M722A1, (DODIC 1310-BA14)

Demolition Item
Destructor, Explosive, Universal, M10, (DODIC 1375-M241)

Figure 4-31. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-32.

Note: Dropping these items as a single item load may not be practical; however, they can be contained in an A-7A cargo sling with other compatible items and airdropped. Quantity and type of items that can be rigged in an A-7A cargo sling are determined by the dimensions and weight of the individual ammunition container.

**Fuzes and Primers**

**CAUTION**

When proximity fuzes are airdropped, the boxed fuzes must be dropped in the nose-down position. If the boxes are damaged, the fuzes should not be used.

- Fuze, MT, M565, (DODIC 1390-N248)
- Fuze, MTSQ, M500 or M500A1, (DODIC 1390-N275)
- Fuze, MTSQ, M501 or M501A1, (DODIC 1390-N276)
- Fuze, MT, M564, (DODIC 1390-N278)
- Fuze, MTSQ, M520, (DODIC 1390-N280)
- Fuze, MTSQ, M577, (DODIC 1390-N285)
- Fuze, MTSQ, M582A1, (DODIC 1390-N286)
- Fuze, Electronic Time, M762, (DODIC 1390-N289)
- Fuze, Electronic Time, M767, (DODIC 1390-N290)
- Fuze, PD, M572, (DODIC 1390-N311)
- Fuze, PD, M48A3, (DODIC 1390-N318)
- Fuze, PD, M535, (DODIC 1390-N323)
- Fuze, PD, M557, (DODIC 1390-N335)
- Fuze, PD, M739, (DODIC 1390-N340)
- Fuze, Proximity, M532, (DODIC 1390-N402)

Figure 4-32. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
Fuze, Proximity, M514, M514A1, or M514B1, (DODIC 1390-N411)
Fuze, Proximity, M513A1 or M513B1, (DODIC 1390-N412)
Fuze, Proximity, M517, (DODIC 1390-N417)
Fuze, Proximity, M728, (DODIC 1390-N463)
Fuze, Proximity, M514A1, (DODIC 1390-N477)
Fuze, Multi-Option for Artillery, M782, (DODIC 1390-NA09)

9-Millimeter Ammunition
Cartridge, 9-mm, Ball, M882, (DODIC 1305-A363)

25.4-Millimeter Ammunition
Cartridge, 25.4-mm, Decoy, M839, (DODIC 1305-A965)

Figure 4-32. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop (continued)

AMMUNITION BOXES
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The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-33.

Flare and Signal Items
Signal, Underwater Sound, MK61, Mod 0, (NALC SW08)
Signal, Underwater Sound, MK82, Mod 0, (NALC SW32)

Demolition Item
Charge, Demolition, Block, 55-lb, (DODIC 1375-M040)

Figure 4-33. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-34.

**Fuzes and Primers**
Fuzes, Delay, PD, Mod 1, Mk399, (DODIC 1390-N659)

Figure 4-34. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-35.

**Grenades**
Grenade, Launcher, Smoke, Screening, TA, M90, (DODIC 1330-GG03)

*Figure 4-35. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop*
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-36.

**105-Millimeter Ammunition**
- Cartridge, 105-mm, HERA, M913 in PA117 Containers, (DODIC 1315-C546)
- Cartridge, 105-mm, DPICM, M915, (DODIC 1315-CA11)
- Cartridge, 105-mm, HE-T/TP-T, M393A3, (DODIC 1315-CA32)

**Figure 4-36. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop**
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-37.

**Rockets**
Rocket, 83-mm, HEDP, BDM, (DODIC 1340-HA08)

**Figure 4-37. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop**
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-38.

**Demolition Item**
Demolition Kit, Fighting Position Excavator, M300, (DODIC 1375-MN26)

**Figure 4-38. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop**
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-39.

**Grenades**
- Grenade, Discharger, Anti-Riot, Irritant, L96E1, (DODIC 1330-FZ14)
- Grenade, Discharger, Anti-Riot, Irritant, L97E1, (DODIC 1330-FZ15)

**Figure 4-39. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop**
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-40.

*Munition*
Munition, Wide Area, Hornet, M93, (DODIC 1377-SQ20)

**Figure 4-40. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop**
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-41.

**120-Millimeter Ammunition**

Cartridge, 120-mm, Visible Illuminating, M930 w/ M230 Propellant Charge and M981 Ignition Charge, (DODIC 1315-C625)

Cartridge, 120-mm, Illuminating, IR, M983, (DODIC 1315-CA07)

**Figure 4-41. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop**
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-42.

**84-Millimeter Ammunition**
- Cartridge, 84-mm, Practice, w/ Tracer, TPT141, (DODIC 1315-CA10)
- Cartridge, 84-mm, HEDP, IM, 502, (DODIC 1315-CA21)
- Cartridge, 84-mm, MAAWS, Reduced Sensitivity (RS), 441D, (DODIC 1315-CA27)
- Cartridge, 84-mm, MAAWS, 545C, Illumination, (DODIC 1315-CA36)

Figure 4-42. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-43.

**84-Millimeter Ammunition**
Munition, 84-mm, HEAT, In-sensitive, 551C, (DODIC 1315-CA20)

Figure 4-43. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-44.

**Grenade**
Grenade, Rifle, Entry, M100, (DODIC 1330-GG12)

**Figure 4-44. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop**
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-45.

60-Millimeter Ammunition
Cartridge, 60-mm, M720A1, (DODIC 1310-BA16)
Cartridge, 60-mm, M768, (DODIC 1310-BA17)

Figure 4-45. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for Low-Velocity Airdrop
Chapter 5

Rigging High-Velocity A-7A Cargo Slings and A-21 Cargo Bag Loads

PREPARING A-7A CARGO SLINGS AND A-21 CARGO BAGS

5-1. Prepare the A-7A cargo slings and A-21 cargo bag according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11.

SPECIAL INSTRUCTIONS

5-2. Follow these special instructions when rigging A-7A cargo slings or A-21 cargo bag for high-velocity airdrop.

- The ammunition loads are positioned in the A-7A cargo slings or A-21 cargo bag for high-velocity airdrop according to the figures listed in this chapter.
- The A-7A cargo sling and the A-21 cargo bag dimension limits are listed in FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11 according to type of aircraft used.
- The minimum allowable weight of an A-7A cargo sling or A-21 cargo bag, including parachute, is 28 pounds per square foot over the ramp and 11 pounds per square foot out the paratroop doors, based on the largest surface area.
- The A-7A cargo slings or A-21 cargo bag must be closed and secured according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11.

PARACHUTE REQUIREMENTS

5-3. Select the correct parachute from Table 1-2. Attach the parachute to the rigged load according to FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11.
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-1.

**5.56-Millimeter Ammunition**
- Cartridge, 5.56-mm, Ball, M855, (DODIC 1305-A059)
- Cartridge, 5.56-mm, Tracer, M856, (DODIC 1305-A063)
- Cartridge, 5.56-mm, Tracer, M196, (DODIC 1305-A068)
- Cartridge, 5.56-mm, Ball, M193, (DODIC 1305-A071)

**7.62-Millimeter Ammunition**
- Cartridge, 7.62-mm, Ball, M59 and M80, (DODIC 1305-A122)
- Cartridge, 7.62-mm, Tracer, M62, (DODIC 1305-A124)
- Cartridge, 7.62-mm, Ball, Tracer, Linked with M13 Link, M80 (DODIC 1305-A127)
- Cartridge, 7.62-mm, 5-rd Clip, M80, (DODIC 1305-A130)
- Cartridge, 7.62-mm, Ball, Tracer, Linked with M13 Link, M62 (DODIC 1305-A131)
- Cartridge, 7.62-mm, Ball, Tracer, M80/1 Linked, M62 (DODIC 1305-A131)
- Cartridge, 7.62-mm, Match, M118, (DODIC 1305-A136)
- Cartridge, 7.62-mm, Tracer, M62, (DODIC 1305-A140)
- Cartridge, 7.62-mm, Ball, M80, Linked, (DODIC 1305-A143)
- Cartridge, 7.62-mm, Tracer, M62, Clipped, (DODIC 1305-A145)
- Cartridge, 7.62-mm, Tracer, M62, Linked, (DODIC 1305-A146)

Figure 5-1. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
### .30-Caliber Ammunition
- Cartridge, Cal .30, AP, API, 8-rd Clip, Grade R, (DODIC 1305-A205)
- Cartridge, Cal .30, AP, API, M2 Linked w/ M1 Link, Grade MG, (DODIC 1305-A207)
- Cartridge, Cal .30, AP, API, Linked w/ Tracer, (DODIC 1305-A209)
- Cartridge, Cal .30, Ball, M2, (DODIC 1305-A212)
- Cartridge, Cal .30, Ball, M2, Clipped, (DODIC 1305-A216)
- Cartridge, Cal .30, Tracer, M1 or M25, Clipped, (DODIC 1305-A234)
- Cartridge, Cal .30, Tracer, M25, Linked, (DODIC 1305-A236)

### .32-Caliber Ammunition
- Cartridge, Cal .32, Ball, Auto, 71 Grain, (DODIC 1305-A350)

### .38-Caliber Ammunition
- Cartridge, Cal .38, Special, Ball, M41, (DODIC 1305-A400)

### .45-Caliber Ammunition
- Cartridge, Cal .45, Ball, M1911, (DODIC 1305-A475)

### .50-Caliber Ammunition
- Cartridge, Cal .50, API, M8, (DODIC 1305-A531)
- Cartridge, Cal .50, API, M8, Linked, (DODIC 1305-A533)
- Cartridge, Cal .50, API-T, M1/M17 Linked, (DODIC 1305-A540)
- Cartridge, Cal .50, API-T, M20, (DODIC 1305-A541)
- Cartridge, Cal .50, API-T, M20, Linked with M2 Link, Grade AC, (DODIC 1305-A543)
- Cartridge, Cal .50, API-T, M20, Linked with M2 Link, Grade MG, (DODIC 1305-A544)
- Cartridge, Cal .50, Tracer, M17, Grade MG, (DODIC 1305-A571)
- Cartridge, Cal .50, Tracer, M17, Linked with M2 Link, Grade AC, (DODIC 1305-A572)
- Cartridge, Cal .50, Spotter-Tracer, M48A2, (DODIC 1305-A574)
- Cartridge, Cal .50, Linked, 4 API, M8, API-T, M20, (DODIC 1305-A576)
- Cartridge, Cal .50, Linked, 4 API, M8, 1 API-T, M20, (DODIC 1305-A577)
- Cartridge, Cal .50, API-T, M20, Linked, (DODIC 1305-A585)
- Cartridge, Cal .50, Linked, 4 API, M8, 1 API-T, M20, (DODIC 1305-A587)
- Cartridge, Cal .50, Linked, 4 API, M8, 1 API-T, M20, (DODIC 1305-A589)
- Cartridge, Cal .50, API Lowlite, Linked, 1 Tracer, M257, 2 MK 263, 2 MK211, 1 M20 Tracer, 4 M20, (DODIC 1305-AA50)

### 60-Millemeter
- Cartridge, 60-mm, Smoke, WP, M302A1, (DODIC 1310-B630)

Figure 5-1. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop (continued)
### Grenades

Grenade, Hand, Incendiary, TH-3, AN-M14 with Fuze M201A1, (DODIC 1330-G900)

#### Incendiary Item

Burster, Incendiary, Field, M4 without Fuze, (DODIC 1345-K010)

#### Flare and Signal Items

- Signal, Illuminating, Ground, M195, Green Star, (DODIC 1370-L305)
- Signal, Illuminating, Ground, M158, Red Star, (DODIC 1370-L306)
- Signal, Illuminating, Ground, M159, White Star, (DODIC 1370-L307)
- Signal, Illuminating, Ground Parachute, M126A1, (DODIC 1370-L311)
- Signal, Illuminating, Parachute, M127A1, White Star, (DODIC 1370-L312)
- Signal, Illuminating, Ground, Cluster, M125A1, (DODIC 1370-L314)
- Signal, Smoke, Parachute, M129A1, Red, (DODIC 1370-L323)
- Signal, Smoke, Parachute, M128A1, Green, (DODIC 1370-L324)

#### Demolition Item

- Charge, Demolition Block, Comp, C 4, 1 1/4-lb, M112, (DODIC 1375-M023)
- Firing Device, Demolition, M3, Pull-Release Type, (DODIC 1375-M629)

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**Figure 5-1. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop (continued)**
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-2.

**Shotgun Ammunition**
Cartridge, 12-gauge Shotgun, No. 00 Buckshot, M162, (DODIC 1305-A011)

Figure 5-2. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-3.

9-Millimeter Ammunition
Cartridge, 9-mm, Ball, M882, (DODIC 1305-A363)

Figure 5-3. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-4.

**.50-Caliber Ammunition**
Cartridge, Cal .50, API, M8, Carton, Grade MG or API-T, M20 (DODAC 1305-A532)
Cartridge, Cal .50, API, M8, Linked with M2 Link, Grade MG (DODAC 1305-A534)

**40-Millimeter Ammunition**
Cartridge, 40-mm, HEDP, M33, (DODAC 1310-B470)
Cartridge, 40-mm, HEI-T, SD, M3, (DODAC 1310-B559)

**81-Millimeter Ammunition**
Cartridge, 81-mm, Illuminating, M301A3, (DODIC 1315-C226)
Cartridge, 81-mm, HE, M374A2, (DODIC 1315-C236)
Cartridge, 81-mm, HE, M374A2 with Fuze M524A5, (DODIC 1315-C256)
Cartridge, 81-mm, HE, M374A2 with Fuze M524A6, (DODIC 1315-C256)
Cartridge, 81-mm, HE, M374A2 with Fuze M567, (DODIC 1315-C256)
Cartridge, 81-mm, HE, M374A2 with Fuze M716, (DODIC 1315-C256)
Cartridge, 81-mm, Smoke, WP, M375A2 with Fuze PD 524A6, (DODIC 1315-C276)

**90-Millimeter Ammunition**
Cartridge, 90-mm, HEP-T, T142E3, (DODIC 1315-C292)
Cartridge, 90-mm, HEAT, M431A1, (DODIC 1315-C294)

**Figure 5-4. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop**
Antipersonnel and Antitank Mines
Mine, AP, M26, (DODIC 1345-K146)
Mine, Antitank, HE, M121, Heavy with Fuze Combination M607,
(DODIC 1345-K181)

Flare and Signal Items
Signal, Illuminating, A/C, Single Star, AN-M45A2, Green,
(DODIC 1370-L233)

Demolition Items
Charge, Demolition, Block, 1/4-lb TNT, (DODIC 1375-M030)
Charge, Demolition, Roll Type, M186, (DODIC 1375-M060)
Cap, Blasting, Special Non-Electric, M7, (DODIC 1375-M131)
Dynamite, Military, M1, (DODIC 1375-M591)
Firing Device, Demolition, M1, Pull Type, (DODIC 1375-M630)

Figure 5-4. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop (continued)
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-5.

**.30-Caliber Ammunition**
Cartridge, Cal .30, AP, API, Carton, Grade R, (DODIC 1305-A201)
Cartridge, Cal .30, AP, API, Carton, Grade MG, (DODIC 1305-A202)
Cartridge, Cal .30, Ball, M2, Clipped, (DODIC 1305-A214)
Cartridge, Cal .30, Tracer, M1, Clipped, (DODIC 1305-A232)

**4.2-Inch Ammunition**
Cartridge, 4.2-in, HE, M329A1, (DODIC 1315-C704)
Cartridge, 4.2-in, HE, M329A1, (DODIC 1315-C705)
Cartridge, 4.2-in, Illuminating, M335A2, (DODIC 1315-C706)
Cartridge, 4.2-in, Smoke, WP, M328A1, (DODIC 1315-C708)

**.50-Caliber Ammunition**
Cartridge, Cal .50, API-T, M20, Carton, Grade MG, (DODIC 1305-A542)

**40-Millimeter Ammunition**
Cartridge, 40-mm, AP-T, M81, (DODIC 1310-B552)
Cartridge, 40-mm, HE-T, SD, M3, MK11, MK2, (DODIC 1310-B562)

**90-Millimeter Ammunition**
Cartridge, 90-mm, WP, M313C, (DODIC 1315-C258)
Cartridge, 90-mm, HE, M71, (DODIC 1315-C265)
Cartridge, 90-mm, HE, M71, (DODIC 1315-C266)
Cartridge, 90-mm, HE, M71, (DODIC 1315-C267)

Figure 5-5. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
Cartridge, 90-mm, Smoke, WP, M313, (DODIC 1315-C273)
Cartridge, 90-mm, HE-T, M71A1 with Fuze PD M557, (DODIC 1315-C280)
Cartridge, 90-mm, AP-T, M318 or M318A1, (DODIC 1315-C285)
Cartridge, 90-mm, Canister, M377, (DODIC 1315-C601)

105-Millimeter Ammunition
Cartridge, 105-mm, HE, M1, (DODIC 1315-C443)
Cartridge, 105-mm, HE, M1, (DODIC 1315-C444)
Cartridge, 105-mm, HE, M1, (DODIC 1315-C445)
Cartridge, 105-mm, HEP-T, M327, (DODIC 1315-C448)
Cartridge, 105-mm, Illuminating, M314A3, (DODIC 1315-C449)
Cartridge, 105-mm, Smoke, HC, BE, M84 or M84A1, (DODIC 1315-C452)
Cartridge, 105-mm, Smoke, WP, M60, (DODIC 1315-C454)
Cartridge, 105-mm, HE, M444, (DODIC 1315-C462)
Cartridge, 105-mm, HE, M548E1, (DODIC 1315-C463)
Cartridge, 105-mm, Tactical, CS, M629, (DODIC 1315-C468)
Cartridge, 105-mm, Smoke, WP, M60, (DODIC 1315-C477)
Cartridge, 105-mm, APDS-T, M728, (DODIC 1315-C494)
Cartridge, 105-mm, APDS-T, M392A2, (DODIC 1315-C505)
Cartridge, 105-mm, HEAT-T, M456A1E2, (DODIC 1315-C508)
Cartridge, 105-mm, TP-T, M490, (DODIC 1315-C511)
Cartridge, 105-mm, Smoke, WP-T, M416 with Fuze BD M534A1, (DODIC 1315-C512)
Cartridge, 105-mm, APERS-T, M546 with Fuze MT M563, (DODIC 1315-C513)
Cartridge, 105-mm, HEP-T, M393A2, (DODIC 1315-C518)
Cartridge, 105-mm, APER-T, M494 with Fuze M571, (DODIC 1315-C519)

106-Millimeter Ammunition
Cartridge, 106-mm, HEAT, M344A1, (DODIC 1315-C650)
Cartridge, 106-mm, HEP-T, M346A1, (DODIC 1315-C651)
Cartridge, 106-mm, APERS-T, M581, (DODIC 1315-C660)

Figure 5-5. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop (continued)
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-6.

**20-Millimeter Ammunition**
- Cartridge, 20-mm, Linked, 4 HEI/TP-T, (DODIC 1305-A653)
- Cartridge, 20-mm, Linked, 7 HEI, M56A3-1, M220, (DODIC 1305-A655)
- Cartridge, 20-mm, Linked, HEAT-SD, M246, (DODIC 1305-A792)

**Demolition Items**
- Charge, Demolition, Block, 1/2-lb TNT, (DODIC 1375-M031)
- Charge, Demolition, Block, 1-lb TNT, (DODIC 1375-M032)

Figure 5-6. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-7.

**25.4-Millimeter Ammunition**
Cartridge, 25.4-mm, Decoy, M839, (DODIC 1305-A965)

Figure 5-7. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-8.

**25-Millimeter Ammunition**
- Cartridge, 25-mm, M791, (DODIC 1305-A974)
- Cartridge, 25-mm, HEI-T, M792, w/ M758 Fuze, (DODIC 1305-A975)
- Cartridge, 25-mm, M919, (DODIC 1305-A986)

*Figure 5-8. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop*
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-9.

**40-Millimeter Ammunition**
- Cartridge, 40-mm, Illuminating, M661, (DODIC 1310-B504)
- Cartridge, 40-mm, Illuminating, M662, (DODIC 1310-B505)
- Cartridge, 40-mm, Red Smoke, M713, (DODIC 1310-B506)
- Cartridge, 40-mm, Green Smoke, M715, (DODIC 1310-B508)
- Cartridge, 40-mm, Yellow Smoke, M716, (DODIC 1310-B509)

**Figure 5-9. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop**
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-10.

**30-Millimeter Ammunition**
- Cartridge, 30-mm, Target Practice, M788, (DODIC1305-B118)
- Cartridge, 30-mm, HE, Dual Purpose, M789, (DODIC 1305-B129)
- Cartridge, 30-mm, HE, Dual Purpose, M789, (DODIC 1305-B130)

Figure 5-10. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-11.

**40-Millimeter Ammunition**
Cartridge, 40-mm, Illuminating, M583A1, (DODIC 1310-B535)

**Figure 5-11. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop**
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-12.

**40-Millimeter Ammunition**
- Cartridge, 40-mm, HEDP, Linked, M430, (DODIC 1310-B542)
- Cartridge, 40-mm, TP, M918, (DODIC 1310-B584)

**Figure 5-12. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop**
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-13.

**40-Millimeter Ammunition**
- Cartridge, 40-mm, HEDP, M433, (DODIC 1310-B546)

**60-Millimeter Ammunition**
- Cartridge, 60-mm, HE, M49A4, (DODIC 1310-B632)

**90-Millimeter Ammunition**
- Cartridge, 90-mm, Canister, APERS, M590, (DODIC 1315-C410)

**Grenades**
- Cartridge, Grenade, Rifle, NATO, 7.62-mm, M64, (DODIC 1330-G839)
- Grenade, Hand, Offensive, MK3A2 with Fuze, (DODIC 1330-G911)
- Grenade, Hand, Smoke, HC, ABC, AN-M18 with Fuze, (DODIC 1330-G930)
- Grenade, Hand, Green Smoke, M18 with Fuze, (DODIC 1330-G940)
- Grenade, Hand, Yellow Smoke, M18 with Fuze, (DODIC 1330-G945)
- Grenade, Hand, Red Smoke, M18 with Fuze, (DODIC 1330-G950)
- Grenade, Hand, Violet Smoke, M18 with Fuze M201A1, (DODIC 1330-G955)
- Grenade, Hand, Riot Control, M7A3 with Fuze, (DODIC 1330-G963)

**Flare and Signal Item**
- Flare, Surface, M49A1, Trip, (DODIC 1370-L495)

**Demolition Items**
- Charge, Demolition, Block, PETN, M118, (DODIC 1375-M024)
- Firing Device, Demolition, M5, Pressure Release Type, (DODIC 1375-M627)

Figure 5-13. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-14.

**60-Millimeter Ammunition**
- Cartridge, 60-mm, HE, M720, (DODIC 1310-B642)
- Cartridge, 60-mm, Smoke, WP, M722, (DODIC 1310-B646)
- Cartridge, 60-mm, Illuminating, M721, (DODIC 1310-B647)
- Cartridge, 60-mm, Infrared, Illuminating, M767, (DODIC 1310-BA04)
- Cartridge, 60-mm, Smoke, WP, M722A1, (DODIC 1310-BA14)

**Demolition Item**
- Destructor, Explosive, Universal, M10, (DODIC 1375-M241)

**Figure 5-14. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop**
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-15.

60-Millimeter Ammunition
Cartridge, 60-mm, HE, M720E1 with M734A1 Fuze, (DODIC 1310-B642)

Figure 5-15. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-16.

**81-Millimeter Ammunition**
- Cartridge, 81-mm, HE, M362, (DODIC 1315-C222)
- Cartridge, 81-mm, HE, M372, (DODIC 1315-C223)
- Cartridge, 81-mm, HE, M43A1, (DODIC 1315-C225)
- Cartridge, 81-mm, Smoke, WP, M57, (DODIC 1315-C230)

**90-Millimeter Ammunition**
- Cartridge, 90-mm, HEAT, M371, (DODIC 1315-C282)

**Demolition Item**
- Charge, Demolition, Block, 40-lb Cratering Ammonium Nitrate, (DODIC 1375-M039)

Figure 5-16. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
NOTE: Front piece of honeycomb removed to expose ammunition layout.

The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-17.

90-Millimeter Ammunition
(Rigging Fiber Containers)
Cartridge, 90-mm, HEAT, M371, (DODIC 1315-C282)
Cartridge, 90-mm, Canister, APERS, M590, (DODIC 1315-C410)

Figure 5-17. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-18.

**105-Millimeter Ammunition**

Cartridge, 105-mm, APFSDS-T, M900E1, (DODIC 1315-C543)

*Figure 5-18. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop*
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-19.

**120-Millimeter Ammunition**

- Cartridge, 120-mm, HE, M934, w/ or w/o Fuze, M734A1, (DODIC 1315-C379)
- Cartridge, 120-mm, HE, M933, w/ or w/o Fuze, M734A1, (DODIC 1315-C623)
- Cartridge, 120-mm, M929, Smoke, WP, w/ Fuze, PD, M745, or M734A1, (DODIC 1315-C624)

*Figure 5-19. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop*
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-20.

**4.2-Inch Ammunition**
Cartridge, 4.2-in, HE, w/o Fuze, (DODIC 1315-C697)

*Figure 5-20. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop*
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-21.

**120-Millimeter Ammunition**
- Cartridge, 120-mm, HE, M57, (DODIC 1315-C788)
- Cartridge, 120-mm, Illuminating, M91, (DODIC 1315-C790)

**Figure 5-21. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop**
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-22.

**152-Millimeter Ammunition**

- Cartridge, 152-mm, TD-T, M411E3, (DODIC 1320-D380)

**Demolition Items**

- Charge, Demolition, Chain, M1, Eight 2 1/2-lb Tetrytol Charge Strung on Detonating Cord, (DODIC 1375-M035)
- Charge, Demolition, Block, M2, (DODIC 1375-M036)
- Charge, Demolition, Block, M541, (DODIC 1375-M038)
- Charge, Demolition, Shaped, HJE, 15-lb, M2A3, (DODIC 1375-M420)
- Charge, Demolition, Shaped, 40-lb, M3, (DODIC 1375-M421)
- Detonator, Percussion, M1A2, 15-sec Delay, (DODIC 1375-M450)

*Figure 5-22. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop*
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-23.

**105-Millimeter Ammunition**  
*(Rigging Fiber Containers)*  
Cartridge, 105-mm, HEAT-T, M456A1E2, (DODIC 1315-C508)  
Cartridge, 105-mm, TP-T, M490, (DODIC 1315-C511)

**152-Millimeter Ammunition**  
*(Rigging Fiber Containers)*  
Cartridge, 152-mm, HEAT-MP, M409E6, (DODIC 1320-D381)  
Cartridge, 152-mm, Canister, M625A1, (DODIC 1320-D390)

Figure 5-23. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-24.

**155-Millimeter Ammunition**
- Charge, Propelling, 155-mm, M19, (DODIC 1320-D480)
- Projectile, 155-mm, Gas, Persistent, HD, M104, (DODIC 1320-D484)
- Projectile, 155-mm, HE, M101, (DODIC 1320-D485)
- Projectile, 155-mm, Smoke, WP, M104, (DODIC 1320-D487)
- Reducer, Flash, Propelling Charge, M1, (DODIC 1320-D490)
- Projectile, 155-mm, HE, ADAM, M692, (DODIC 1320-D501)
- Projectile, 155-mm, HE, ADAM, M731, (DODIC 1320-D502)
- Projectile, 155-mm, AT, RAAMS, M718, (DODIC 1320-D503)
- Projectile, 155-mm, Illuminating, M485A2, (DODIC 1320-D505)
- Projectile, 155-mm, HC, HE, M116E2, (DODIC 1320-D506)
- Projectile, 155-mm, AT, RAAMS, M741, (DODIC 1320-D509)
- Projectile, 155-mm, HE, RAAM-L, M718A1, (DODIC 1320-D515)

**Figure 5-24. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop**
Chapter 5

Projectile, 155-mm, Smoke, WP, M825, (DODIC 1320-D528)
Projectile, 155-mm, Smoke, M795, (DODIC 1320-D529)
*Charge, Propelling, 155-mm, M203A1, (DODIC 1320-D532)
*Charge, Propelling, 155-mm, M119A1 and M119A2, (DODIC 1320-D533)
*Charge, Propelling, 155-mm, M3 and M3A1, (DODIC 1320-D540)
*Charge, Propelling, 155-mm, M4A1 and M4A2, (DODIC 1320-D541)
Projectile, 155-mm, HE, M107, (DODIC 1320-D544)
Projectile, 155-mm, Smoke, HC, BE, M116, (DODIC 1320-D548)
*Projectile, 155-mm, Smoke, WP, M110, (DODIC 1320-D550)
Reducer, Flash, Propelling Charge, M2, (DODIC 1320-D552)
Dummy, Projectile, 155-mm, M7, (DODIC 1320-D553)
Projectile, 155-mm, HE, M449A1, (DODIC 1320-D562)
Projectile, 155-mm, HE, M483A1, (DODIC 1320-D563)
Projectile, 155-mm, HE, RA, M549, (DODIC 1320-D579)
Charge, Propelling, 155-mm, MACS, M231, (DODIC 1320-DA12)
Charge, Propelling, 155-mm, MACS, M232, (DODIC 1320-DA13)
Projectile, 155-mm, RADAM, Short SD, with RAAMS A1, M1025, (DODIC 1320-DA19)
Projectile, 155-mm, RADAM, Short SD, M1023, (DODIC 1320-DA20)
Projectile, 155-mm, RADAM, Long SD, M1024, (DODIC 1320-DA21)
Projectile, 155-mm, RADAM, Long SD, with RAAMS A1, M1026, (DODIC 1320-DA22)

**Fuzes and Primers**

Fuze, Delay, PD, Mod 1, Mk399, (DODIC 1390-N659)

*Note:* The required fuzes and primers may be rigged as part of the load; however, only those fuzes and primers listed in Table 1-3 are authorized to be airdropped.

*The old or new type propelling charge container may be rigged.

Figure 5-24. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop (continued)
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-25.

**Grenades**
Grenade, 40-mm, Smoke, Screening, L8A3, (DODIC 1330-G815)

**Figure 5-25. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop**
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-26.

_Grenades_

Launcher, Grenade, 40-mm, Smoke, IR Screening, M76, (DODIC 1330-G826)

Figure 5-26. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-27.

**Grenade**

Grenade, Hand, Fragmentation, M26 or M26A1, (DODIC 1330-G890)

Figure 5-27. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-28.

**Grenades**
Grenade, Launcher, Smoke, MM/IR, Screening, M81, (DODIC 1330-GG01)

*Figure 5-28. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop*
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-29.

**Antipersonnel and Antitank Mine**
Mine, Antipersonnel, M16A1 with Fuze M605, (DODIC 1345-K092)

**Figure 5-29. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop**

The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-30.

**Incendiary Items**
Smoke Pot, Floating, HC, M4A2, (DODIC 1365-K867)

**Figure 5-30. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop**
Chapter 5

The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-31.

**Flare and Signal Items**

Flare, M206, Rigged w/Cartridge, Impulse, M796
Flare (DODIC 1370-L410)
Cartridge (DODIC 1377-MD73)

Figure 5-31. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-32.

**Demolition Items**
- Cord, Detonating, Reinforced Pliofilm/Wrapped, Waterproof, Type I, (DODIC 1375-M456)
- Firing Device, Demolition, M1A1, Pressure Type, (DODIC 1375-M626)

**Figure 5-32. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop**
Chapter 5

The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-33.

Note: Dropping these items as a single item load may not be practical; however, they can be contained in an A-7A cargo sling or an A-21 cargo bag with other compatible items and airdropped. Quantity and type of items that can be rigged in an A-7A cargo sling or an A-21 cargo bag are determined by the dimensions and weight of the individual ammunition container.

**Fuzes and Primers**

**CAUTION**

When proximity fuzes are airdropped, the boxed fuzes must be dropped in the nose-down position. If the boxes are damaged, the fuzes should not be used.

- Fuze, MT, M565, (DODIC 1390-N248)
- Fuze, MTSQ, M500 or M500A1, (DODIC 1390-N275)
- Fuze, MTSQ, M501 or M501A1, (DODIC 1390-N276)
- Fuze, MT, M564, (DODIC 1390-N278)
- Fuze, MTSQ, M520, (DODIC 1390-N280)
- Fuze, MTSQ, M577, (DODIC 1390-N285)
- Fuze, MTSQ, M582A1, (DODIC 1390-N286)
- Fuze, PD, M572, (DODIC 1390-N311)
- Fuze, PD, M48A3, (DODIC 1390-N318)
- Fuze, PD, M535, (DODIC 1390-N323)
- Fuze, PD, M557, (DODIC 1390-N335)
- Fuze, PD, M739, (DODIC 1390-N340)
- Fuze, Proximity, M532, (DODIC 1390-N402)
- Fuze, Proximity, M514, M514A1, or M514B1 (DODIC 1390-N411)
- Fuze, Proximity, M513A1 or M513B1, (DODIC 1390-N412)

Figure 5-33. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
Fuze, Proximity, M517, (DODIC 1390-N417)
Fuze, Proximity, M728, (DODIC 1390-N463)
Fuze, Proximity, M514A1, (DODIC 1390-N477)

**Incendiary Items**
Smoke Pot, Hexachloroethane, M5, (DODIC 1365-K866)

**Figure 5-33. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop (continued)**

The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-34.

**Fuzes and Primers**
Primer, Percussion, M82, (DODIC 1390-N523)

**Figure 5-34. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop**
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-35.

**Fuzes and Primers**

Primer, Percussion, MK2A4, (DODIC 1390-N525)

**Figure 5-35. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop**
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-36.

**105-Millimeter Ammunition**

Cartridge, 105-mm, APFSDS-T, M833, (DODIC 1315-C524)

**Figure 5-36. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop**
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-37.

5.56-Millimeter Ammunition
Cartridge, 5.56-mm, Ball, M855 and Tracer, M856 Linked, (DODIC 1305-A064)

Figure 5-37. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-38.

**Flare and Signal Items**
- Signal, Underwater Sound, MK61, Mod 0, (NALC SW08)
- Signal, Underwater Sound, MK82, Mod 0, (NALC SW32)

**Demolition Item**
- Charge, Demolition, Block, 55-lb, (DODIC 1375-M040)

Figure 5-38. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-39.

**81-Millimeter Ammunition**

- Cartridge, 81-mm, HE, M821A1/M821A2, with Fuze M734A1, (DODIC 1315-C868)
- Cartridge, 81-mm, HE, M889A1/M889A2, with Fuze M734A1, (DODIC 1315-C869)
- Cartridge, 81-mm, FRP, M879, (DODIC 1315-C875)

**Figure 5-39. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop**
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-40.

**Grenades**
Grenade, Launcher, Smoke, Screening, TA, M90, (DODIC 1330-GG03)

Figure 5-40. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-41.

**105-Millimeter Ammunition**
- Cartridge, 105-mm, HERA, M913 in PA117 Containers, (DODIC 1315-C546)
- Cartridge, 105-mm, DPICM, M915, (DODIC 1315-CA11)
- Cartridge, 105-mm, HE-T/TP-T, M393A3, (DODIC 1315-CA32)

Figure 5-41. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-42.

**Rockets**
Rocket, 83-mm, HEDP, BDM, (DODIC 1340-HA08)

Figure 5-42. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-43.

Demolition Items
Demolition Kit, Fighting Position Excavator, M300, (DODIC 1375-MN26)

Figure 5-43. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-44.

_Fuzes and Primers_
Fuze, Delay, PD, MOD 1, Mk399, (DODIC 1390-N659)

Figure 5-44. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-45.

**Grenades**
Grenade, Discharger, Anti-Riot, Irritant, L96E1, (DODIC 1330-FZ14)
Grenade, Discharger, Anti-Riot, Irritant, L97E1, (DODIC 1330-FZ15)

Figure 5-45. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-46.

**81-Millimeter Ammunition**
Cartridge, 81-mm, Illuminating, IR, M816, (DODIC 1315-C484)

Figure 5-46. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-47.

**Munition**
Munition, Wide Area, Hornet, M93, (DODIC 1377-SQ20)

Figure 5-47. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-48.

**120-Millimeter Ammunition**

Cartridge, 120-mm, Visible, Illuminating, M930 w/ M230 Propellant Charge and M981 Ignition Charge, (DODIC 1315-C625)

Cartridge, 120-mm, Illuminating, Infrared (IR), M983 (DODIC 1315-CA07)

Figure 5-48. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-49.

**84-Millimeter Ammunition**
- Cartridge, 84-mm, Practice, w/ Tracer, TPT141, (DODIC 1315-CA10)
- Cartridge, 84-mm, HEDP, IM, 502, (DODIC 1315-CA21)
- Cartridge, 84-mm, MAAWS, Reduced Sensitivity (RS), 441D, (DODIC 1315-CA27)

Figure 5-49. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-50.

84-Millimeter Ammunition
Munition, 84-mm, Area Deterrent, 401, (DODIC 1315-CA23)
Cartridge, 84-mm, MAAWS, 545C, Illumination, (DODIC 1315-CA36)

Figure 5-50. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-51.

**84-Millimeter Ammunition**
Munition, 84-mm, HEAT, Insensitive, 551C, (DODIC 1315-CA20)

**Figure 5-51. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop**
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-52.

**Grenade**
Grenade, Rifle, Entry, M100, (DODIC 1330-GG12)

Figure 5-52. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-53.

**7.62-Millimeter Ammunition**

Cartridge, 7.62-mm, Linked, 9-Ball, M80, 1Tracer, M276, (DODIC 1305-A257)

Cartridge, 7.62-mm, Linked, 9-Ball, M80, 1Tracer, M62, (DODIC 1305-A165)

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**Figure 5-53. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop**
The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-54.

**60-Millimeter Ammunition**
- Cartridge, 60-mm, M720A1, (DODIC 1310-BA16)
- Cartridge, 60-mm, M768, (DODIC 1310-BA17)

**Figure 5-54. Ammunition Layout in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop**
CAUTIONS

1. The suspended weight of this load must be between 295 pounds and 305 pounds.

2. The ballast used in the BCC must be contained (i.e. tied sandbags) so it does not leak outside the BCC.

Note: The ballast containment compartment and top layer of honeycomb are placed inside the sling assembly and cover of the A-21 cargo bag and inside the straps of an A-7A cargo sling.

6. Build the Ballast Containment Compartment (BCC) using two pieces of 2- by 4- by 48-inch lumber, two pieces of 2- by 4- by 27-inch lumber, and two pieces of 30- X 48- X 3/4-inch plywood. Do not nail the top piece of plywood until after the ballast has been added. The weight of the BCC is approximately 56 pounds.

7. The combined weight of the BCC, Ballast, and the Modernized Demolition Initiator (MDI) items must be between 295 and 305 pounds.

8. Weigh the MDI items, add 56 pounds (weight of the BCC), and subtract this sum from 300. This figure is the amount of ballast weight that must be added in the BCC. Evenly distribute the ballast in the BCC and fill all empty spaces with honeycomb so the ballast does not move. Nail the top on the BCC.

Figure 5-55. Honeycomb Stack and Rigging Steps for the MDI Munitions in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop
9. Prepare and position the load on the honeycomb stack shown above in accordance with FM 4-20.103/MCRP 4-11.3C/TO13C7-1-11, Chapter 6, Section III. The following restrictions apply:

- The containers (wooden crates) may be broken down into smaller packaging units.
  - Individual corrugated cardboard boxes.
  - Individual foil wrapped items.
  - MDI items maybe rigged for airdrop up to their smallest unit of packaging.
- MDI items in their smallest unit of packaging must be encased in a honeycomb bin. See Appendix B for fabrication of honeycomb bins.
- No container may be rigged on top of a honeycomb bin except another honeycomb bin.
- Only honeycomb bins and corrugated cardboard boxes may be rigged on top of corrugated cardboard boxes.
- Wooden crates can only be stacked on top of other wooden crates.
- Corrugated cardboard boxes containing spools of shock tubing (M12, M13) must be positioned so the spools are lying flat on their base.

10. Center the load on the A-7A/A-21 container. Place honeycomb on all four sides of the bundle and secure the honeycomb with Type III nylon cord. Place a piece of honeycomb over the top of the load and position a piece of 3/4-inch plywood on top of the honeycomb. Close and secure the A-7A/A-21 container.

The following ammunition items are rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-55.

**Modernized Demolition Initiators**

- Holder, Blasting Cap, M9, (DODIC 1375-ML45)
- Cap, Blasting, Nonelectric, 30 foot Shock Tube, M11 (1.4B), (DODIC 1375-ML47)
- Cap, Blasting, Nonelectric, 500 foot Shock Tube, M12 (1.4S), (DODIC 1375-MN02)
- Cap, Blasting, Nonelectric, 1000 foot Shock Tube, M13 (1.4S), (DODIC 1375-MN03)
- Cap, Blasting, Nonelectric, Delay, M14 (1.4S), (DODIC 1375-MN06)
- Cap, Blasting, Nonelectric, Delay, M15, (DODIC 1375-MN07)
- Ignitor, Time Blasting Fuze, M81, w/ Shock Tube Capability (1.4S), (DODIC 1375-MN08)
- Cap, Blasting, Non-Electric, M16, (DODIC 1375-MN39)
- Cap, Blasting, Non-Electric, M18, (DODIC 1375-MN41)
- Cap, Blasting, Dual, In-line Initiator, Non-Electric, 200-ft Minitube, M19, (DODIC 1375-MN86)
- Trainer, Inert (for M19), M20, (DODIC 1375-MN87)
- Cap, Blasting, Dual, In-line Initiator, Non-Electric, 500-ft Minitube, M21, (DODIC 1375-MN88)
- Trainer, Inert (for M21 and M23), M22, (DODIC 1375-MN89)
- Cap, Blasting, Dual, In-line Initiator, Non-Electric, 1000-ft Minitube, M21, (DODIC 1375-MN90)

Figure 5-55. Honeycomb Stack and Rigging Steps for the MDI Munitions in an A-7A Cargo Sling or an A-21 Cargo Bag for High-Velocity Airdrop (continued)
# Appendix A

## Equipment Required

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Appendix B
Fabrication of Honeycomb Bin

INTRODUCTION
The honeycomb bin is used to airdrop certain certified munitions when they are broken down into smaller units of issue. The munitions are placed into the bin and all unused space is filled with cellulose padding or honeycomb.

RIGGING THE HONEYCOMB BIN
Rig the honeycomb bin using the procedures shown below.

11. Calculate the combined length and width of the base for the items that are to be rigged in the honeycomb bin. Add 4 inches to the length and 4 inches to the width of the base measurement. These are the measurements for the pieces of honeycomb used to make the honeycomb bin (top, bottom, and sidewalls).

12. Measure the combined height of the items that are to be rigged in the honeycomb bin. Divide the height in inches by 3 inches. Round off any fraction or remainder to the next highest number. This is the number of layers required for the honeycomb bin sidewalls.

13. Draw a line 2 inches from each side of the sidewalls. Remove the honeycomb rectangle formed by the drawn lines. This leaves a 2 inch wide rim on the sidewalls.
14. Glue the sidewall layers together. Place the sidewalls on the bottom layer of honeycomb.

15. Position and pad the munitions inside the bin. Fill all empty areas with honeycomb or cellulose padding.

16. Place the top on the bin and secure the top and bottom with type III nylon cord. Tape the edges of the bin where necessary to prevent the type III nylon cord from cutting into the honeycomb.

Honeycomb Bin (continued)
Glossary

A/C  aircraft
acft  aircraft
ADAM  Area denial artillery munition
AFB  Air Force Base
AFR  Air Force regulation
AFTO  Air Force Technical Order
AP  armor-piercing
APC-T  armor-piercing capped tracer
APDS-T  armor-piercing discarding sabot-tracer
APERS  antipersonnel
APERS-T  antipersonnel—tracer
APFSDS-T  armor-piercing fin-stabilized discarding sabot—tracer
API  armor-piercing incendiary
API-T  armor-piercing incendiary—tracer
AR  armor
ARNG  Army National Guard
AT  antitank
attn  attention
auto  automatic
bal  balance
BCC  ballast container compartment
BD  base detonating
BDM  bunker defeat munition
cal  caliber
comp  composite
CRR  complete round rigging
CS  chlorobenzalmononitrile
CTN  carton
CVR  centerline vertical restraint
DA  Department of the Army
DAM  demolition attack munition
DC  District of Columbia
DD  Department of Defense
DODIC  Department of Defense Identification Code
EOD  explosive ordnance disposal
FM  field manual
ft  foot/feet
gal  gallon
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GB</td>
<td>green bag</td>
</tr>
<tr>
<td>GRD</td>
<td>ground</td>
</tr>
<tr>
<td>HC</td>
<td>hexachloroethane zinc oxide powdered aluminum</td>
</tr>
<tr>
<td>HE</td>
<td>high explosive</td>
</tr>
<tr>
<td>HE -T</td>
<td>high explosive—tracer</td>
</tr>
<tr>
<td>HEAT</td>
<td>high-explosive antitank</td>
</tr>
<tr>
<td>HEAT-MP</td>
<td>high-explosive antitank-multipurpose</td>
</tr>
<tr>
<td>HEAT-MP-T</td>
<td>high-explosive antitank-multipurpose—tracer</td>
</tr>
<tr>
<td>HEAT-SD</td>
<td>high-explosive antitank-self-destruct</td>
</tr>
<tr>
<td>HEAT-T</td>
<td>high-explosive antitank—tracer</td>
</tr>
<tr>
<td>HEDP</td>
<td>high explosive dual purpose</td>
</tr>
<tr>
<td>HEI</td>
<td>high-explosive incendiary</td>
</tr>
<tr>
<td>HEI-T</td>
<td>high-explosive incendiary—tracer</td>
</tr>
<tr>
<td>HEI/TP-T</td>
<td>high explosive incendiary-target practice—tracer</td>
</tr>
<tr>
<td>HEI-T-SD</td>
<td>high-explosive incendiary—tracer self-destruct</td>
</tr>
<tr>
<td>HEP-T</td>
<td>high-explosive plastic tracer</td>
</tr>
<tr>
<td>HERA</td>
<td>high explosive rocket assisted</td>
</tr>
<tr>
<td>HQ</td>
<td>headquarters</td>
</tr>
<tr>
<td>ICM</td>
<td>improved conventional munition</td>
</tr>
<tr>
<td>in</td>
<td>inch</td>
</tr>
<tr>
<td>lb</td>
<td>pound</td>
</tr>
<tr>
<td>LCADS</td>
<td>low cost aerial delivery system</td>
</tr>
<tr>
<td>mg</td>
<td>machine gun</td>
</tr>
<tr>
<td>MDI</td>
<td>modernized demolition initiator</td>
</tr>
<tr>
<td>MICLIC</td>
<td>mine clearing line charge</td>
</tr>
<tr>
<td>mm</td>
<td>millimeter</td>
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<tr>
<td>mod</td>
<td>model</td>
</tr>
<tr>
<td>msl</td>
<td>missile</td>
</tr>
<tr>
<td>MT</td>
<td>mechanical time</td>
</tr>
<tr>
<td>MTSQ</td>
<td>mechanical time, superquick</td>
</tr>
<tr>
<td>NALC</td>
<td>Navy Ammunition Logistics Code</td>
</tr>
<tr>
<td>NATO</td>
<td>North Atlantic Treaty Organization</td>
</tr>
<tr>
<td>NO</td>
<td>number</td>
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<td>NSN</td>
<td>national stock number</td>
</tr>
<tr>
<td>PD</td>
<td>point detonating</td>
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<tr>
<td>PETN</td>
<td>pentaerythritol tetranitrate</td>
</tr>
<tr>
<td>qty</td>
<td>quantity</td>
</tr>
<tr>
<td>RA</td>
<td>Regular Army</td>
</tr>
<tr>
<td>Abbreviation</td>
<td>Definition</td>
</tr>
<tr>
<td>--------------</td>
<td>------------</td>
</tr>
<tr>
<td>RAAM</td>
<td>remote anti-armor mine</td>
</tr>
<tr>
<td>RAAMS</td>
<td>remote anti-armor mine system</td>
</tr>
<tr>
<td>RAP</td>
<td>rocket-assisted projectile</td>
</tr>
<tr>
<td>rd</td>
<td>round</td>
</tr>
<tr>
<td>RQR</td>
<td>required</td>
</tr>
<tr>
<td>SD</td>
<td>self-destruct</td>
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<tr>
<td>sec</td>
<td>second</td>
</tr>
<tr>
<td>SLAM</td>
<td>selectable lightweight attack munition</td>
</tr>
<tr>
<td>TM</td>
<td>technical manual</td>
</tr>
<tr>
<td>TNT</td>
<td>trinitrotoluene</td>
</tr>
<tr>
<td>TO</td>
<td>technical order</td>
</tr>
<tr>
<td>TOW</td>
<td>tube-launched, optically tracked, wire-guided</td>
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<tr>
<td>TP-T</td>
<td>target practice tracer</td>
</tr>
<tr>
<td>TR</td>
<td>tracer</td>
</tr>
<tr>
<td>TRADOC</td>
<td>United States Army Training and Doctrine Command</td>
</tr>
<tr>
<td>US</td>
<td>United States (of America)</td>
</tr>
<tr>
<td>USAR</td>
<td>United States Army Reserve</td>
</tr>
<tr>
<td>VA</td>
<td>Virginia</td>
</tr>
<tr>
<td>w</td>
<td>with</td>
</tr>
<tr>
<td>WB</td>
<td>white bag</td>
</tr>
<tr>
<td>WHD</td>
<td>warhead</td>
</tr>
<tr>
<td>WP</td>
<td>white phosphorous</td>
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<tr>
<td>WP-T</td>
<td>white phosphorous-tracer</td>
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References


FM 4-20.103/MCRP 4-11.3C/TO 13C7-1-11, Airdrop of Supplies and Equipment: Rigging Containers. September 2005.


AFTO Form 22 Technical Order Publication Improvement Report
DA Form 2028 Recommended Changes to Publication and Blank Forms.
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Official:

JOYCE E. MORROW
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0631102

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Active Army, Army National Guard, and U.S. Army Reserve: To be distributed in accordance with the initial distribution number 110934, requirements for FM 4-20.153.