

TM 4-48.16
MCRP 4-11.3B
TO 13C7-18-41



Airdrop of Supplies and Equipment: Rigging Ammunition

MARCH 2016

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

SUPERSESSSION: This publication supersedes FM 4-20.153/MCRP 4-11.3B/TO 13C7-18-41 dated 23 October 2006.

This publication is available at Army Knowledge Online
(<https://armypubs.us.army.mil/doctrine/index.html>).
To receive publishing updates, please subscribe at
http://www.apd.army.mil/AdminPubs/new_subscribe.asp

This publication is also available through the Marine Corps Doctrine
website (<https://www.doctrine.usmc.mil>), and the Air Force
Publishing website
(www.e-publishing.af.mil).

TM 4-48.16/MCRP 4-11.3B/TO 13C7-18-41
(TM 4-48.16/MCRP 4-11.3B/TO 13C7-18-41)

Technical Manual
No. 4-48.16

Marine Corps Reference Publication
No 4-11.3B

Technical Order
No. 13C7-18-41

Headquarters
Department of the Army
Washington, DC

United States Marine Corps
Combat Development Command
Quantico, VA
Headquarters
Department of the Air Force
Washington, DC

15 March 2016

AIRDROP OF SUPPLIES AND EQUIPMENT: RIGGING AMMUNITION

Contents

	Page
PREFACE	iii
INTRODUCTION	v
Chapter 1 GENERAL INFORMATION	1-1
Special Instructions	1-1
Parachute Requirements.....	1-1
Equipment Required.....	1-1
Ammunition and Missile Rigging Tables Instructions	1-1
Additional Certified Munitions.....	1-1
Chapter 2 RIGGING LOW-VELOCITY A-22 CARGO BAG LOADS	2-1
Rigging The A-22 Cargo Bag	2-1
Special Instructions	2-1
Parachute Requirements.....	2-1
Chapter 3 RIGGING HIGH-VELOCITY A-22 CARGO BAG LOADS	3-1
Preparing A-22 Cargo Bag	3-1
Special Instructions	3-1
Parachute Requirements.....	3-1
Chapter 4 RIGGING LOW-VELOCITY A-7A CARGO SLINGS AND A-21 CARGO BAG LOADS	4-1
Preparing A-7A Cargo Slings and A-21 Cargo Bags	4-1
Special Instructions	4-1

Distribution Restriction: Approved for public release; distribution is unlimited.

***This publication supersedes FM 4-20.153/MCRP 4-11.3B/TO 13C7-18-41 dated 23 October 2006.**

	Parachute Requirements	4-1
Chapter 5	RIGGING HIGH-VELOCITY A-7A CARGO SLINGS AND A-21 CARGO BAG LOADS.....	5-1
	Preparing A-7A Cargo Slings and A-21 Cargo Bags	5-1
	Special Instructions	5-1
	Parachute Requirements	5-1
Appendix A	EQUIPMENT REQUIRED.....	A-1
Appendix B	FABRICATION OF HONEYCOMB BIN	B-1
	GLOSSARY	Glossary-1
	REFERENCES.....	References-1
	INDEX	Index-1

Preface

TM 4-48.16/MCRP 4-11.3B/TO 13C7-18-41 provides doctrinal guidance and direction for United States Army, United States Marine Corps, and United States Air Force units conducting aerial delivery operations. This manual provides information on how to prepare and rig ammunition. These ammunition loads are rigged for airdrop from a C-130 or C-17 aircraft.

The principal audience for TM 4-48.16/MCRP 4-11.3B/TO 13C7-18-41 is all members of the profession of arms. Commanders and staffs of Army, Marine Corps, and Air Force headquarters serving as joint task force or multinational headquarters should also refer to applicable joint or multinational doctrine concerning the range of military operations and joint or multinational forces. Trainers and educators throughout the Army, Marine Corps, and Air Force will also use this publication.

Commanders, staffs, and subordinates ensure that their decisions and actions comply with applicable United States, international, and in some cases host-nation laws and regulations. Commanders at all levels ensure that their Soldiers, Marines, and Airmen operate in accordance with the law of war and the rules of engagement. (See FM 27-10).

TM 4-48.16/MCRP 4-11.3B/TO 13C7-18-41 does not implement any STANAGs.

TM 4-48.16/MCRP 4-11.3B/TO 13C7-18-41 uses joint terms where applicable. Selected joint and Army terms and definitions appear in both the glossary and the text. Terms for which TM 4-48.16/MCRP 4-11.3B/TO 13C7-18-41 is the proponent publication (the authority) are italicized in the text and marked with an asterisk (*) in the glossary. Terms and definitions for which TM 4-48.16/MCRP 4-11.3B/TO 13C7-18-41 is the proponent publication are boldfaced in the text. For other definitions shown in the text, the term is italicized and the number of the proponent publication follows the definition.

TM 4-48.16/MCRP 4-11.3B/TO 13C7-18-41 applies to the Active Army, Army National Guard/Army National Guard of the United States, United States Army Reserve, the total force Marine Corps, and United States Airforce units unless otherwise stated.

The proponent of TM 4-48.16/MCRP 4-11.3B/TO 13C7-18-41 is the United States Army Quartermaster School. The preparing agency is the G-3 Doctrine Division, USACASCOM. Send comments and recommendations on DA Form 2028 (Recommended Changes to Publications and Blank Forms) to Commander, United States Army Combined Arms Support Command and Fort Lee, ATTN: ATCL-TS, 2221 A Avenue, Fort Lee, Virginia 23801 or submit an electronic DA Form 2028 by e-mail to: usarmy.lee.tradoc.mbx.lee-cascom-doctrine@mail.mil. In addition to submission of DA Form 2028, provide same comments and recommendations in MilWiki for rapid dissemination to doctrine authors and for universal review at <https://www.milsuite.mil>.

Air Force personnel, send your comments through your respective command to:

Headquarters
Air Mobility Command
402 Scott Drive, Unit 3A1
Scott Air Force Base, Illinois 62225-5302

Air Force personnel, send your reports on AF Form 847, *Recommendation for Change of Publication* through your respective command Weapons and Tactics to:

Headquarters
Air Mobility Command (AMC/A3DT)

402 Scott Drive, Unit 3A1
Scott AFB, Illinois 62225-5302

Air Force personnel in Special Operations Command, send your reports on AF Form 847. HQ AMC/A3DT will consolidate and forward changes to:

Director
Aerial Delivery and Field Services Department
USA Quartermaster Center and School
710 Adams Avenue
Fort Lee, Virginia 23801-1502

Also send an information copy of AF Form 847 to:

406 SCMS/GULAC
460 Richard Ray Blvd
STE 200
Robins AFB, Georgia 31098-1813

Marine Corps. Readers of this publication are encouraged to submit suggestions and changes through the Universal Need Statement (UNS) process. The UNS submission process is delineated in Marine Corps Order 3900.15B, *Marine Corps Expeditionary Force Development System*, which can be obtained from the Marine Corps Publications Electronic Library Online. The UNS recommendation should include the following information:

- Location of change
 - 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

Introduction

Publication of TM 4-48.16/MCRP 4-11.3B/TO 13C7-18-41(FM 4-20.153/MCRP 4-11.3B/TO 13C7-18-41) *Airdrop of Supplies and Equipment: Rigging Ammunition* supersedes FM 4-20.153/MCRP 4-11.3B/TO 13C7-18-41, *Airdrop of Supplies and Equipment: Rigging Ammunition*, 23 October 2006.

This special revision to the technical manual (TM) publishing medium/nomenclature has been accomplished to comply with US Army TRADOC doctrine restructuring requirements. The title and content of the manual(s) is identical to that of the superseded manual(s) unless specifically noted changes are identified. This special revision does not integrate any changes in Army doctrine since 23 October 2006 and does alter the publication's original references. For the status of official Department of the Army (DA) publications, consult DA Pam 25-30, Consolidated Index of Army Publications and Blank Forms, at <http://armypubs.army.mil/2530.html>. DA Pam 25-30 is updated as new and revised publications, as well as changes to publications are published.

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/TM 38-250/NAVSUP 505/MCO P4030.19/ DLA 4145.3/ DCMAD1, CH3.4 (HM24). 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/TM 38-250/NAVSUP 505/MCO P4030.19/ DLA 4145.3/ DCMAD1, CH3.4 (HM24). 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.

This page intentionally left blank.

Chapter 1

General Information

SPECIAL INSTRUCTIONS

1-1. The A-22 cargo bag loads shown in this manual will be rigged in accordance with TM 4-48.03/MCRP 4-11.3C/TO13C7-1-11

1-2. **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 TM 4-48.03/MCRP 4-11.3C/TO13C7-1-11

LCADS may not be used for extended or double A-22 container configurations.

PARACHUTE REQUIREMENTS

1-3. 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.

1-4. **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 in accordance with TM 4-48.03/MCRP 4-11.3C/TO13C7-1-11. Requirements for the parachutes are listed in Table 1-2.

EQUIPMENT REQUIRED

1-5. The equipment required for rigging container loads is listed in Appendix A.

AMMUNITION AND MISSILE RIGGING TABLES INSTRUCTIONS

1-6. Ammunition items are listed by type, Department of Defense Identification Number (DODIC) or Navy Ammunition Logistics Code (NALC), and National Stock Number (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 TM 4-48/TO 13C7 series manuals. Missiles are listed in Table 1-4.

ADDITIONAL CERTIFIED MUNITIONS

1-7. The munitions listed in Table 1-5 are certified for airdrop when rigged according to procedures in specific TM 4-48/TO 13C7 series manuals.

Table 1-1. Parachute requirements for low-velocity airdrop

<i>Parachute</i>	<i>Suspended Weight (Pounds)</i>	
	<i>Minimum</i>	<i>Maximum</i>
One 68-inch pilot	30	50
Three 68-inch pilot	51	200
One G-14	200	500
Two G-14	501	1000
*Three G-14	1,001	1,500
One G-12E	501	2,200

* 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

<i>Parachute</i>	<i>Suspended Weight (Pounds)</i>	
	<i>Minimum</i>	<i>Maximum</i>
One 68-inch pilot	75	150
Three 68-inch pilot	151	500
*One 12-foot high velocity	151	500
One 15-foot cargo extraction	151	500
*One 26-foot high velocity	501	2,200
**Parachute, Low Cost, High-Velocity	501	2,200
One 22-foot cargo extraction	501	2,200

* Primary parachute.

**Used on the Low Cost Aerial Delivery System only.

Table 1-3. Ammunition rigging table

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Shotgun Ammunition				
Cartridge, 12-gauge, Shotgun, No 00 Buckshot, M162 (DODIC 1305-A011) 1305-00-028-6642 1305-00-096-3155	2-2	3-2	4-2	5-2
5.56-Millimeter Ammunition				
Cartridge, 5.56-mm, Ball, M855 (DODIC 1305 - A059) 1305-01-155-5459 1305-01-155-5462	2-1	3-1	4-1	5-1
Cartridge, 5.56-mm, Tracer, M856 (DODIC 1305-A063) 1305-01-155-5457	2-1	3-1	4-1	5-1
Cartridge, 5.56-mm, Ball, M855 and Tracer, M856 Linked (DODIC 1305-A064) 1305-01-252-0153	2-54	3-3	4-31	5-37
Cartridge, 5.56-mm, Tracer, M196 (DODIC 1305-A068) 1305-00-965-0832 1305-00-009-5568	2-1	3-1	4-1	5-1
Cartridge, 5.56-mm, Ball, M193 (DODIC 1305-A071) 1305-00-926-3930 1305-00-005-8006	2-1	3-1	4-1	5-1
7.62-Millimeter Ammunition				
Cartridge, 7.62-mm, Blank, M82 (DODIC 1305-A111) 1305-00-752-8087 1305-01-181-1750	2-1	N/A	4-1	N/A
Cartridge, 7.62-mm, Ball, M59 and M80 (DODIC 1305-A122) 1305-00-892-4152	2-1	3-1	4-1	5-1
Cartridge, 7.62-mm, Tracer, M62 (DODIC 1305-A124) 1305-00-301-1679	2-1	3-1	4-1	5-1
Cartridge, 7.62-mm, Ball, Tracer, Linked with M13 Link, M80 (DODIC 1305-A127) 1305-00-542-1196	2-1	3-1	4-1	5-1

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Cartridge, 7.62-mm, 5-rd Clip, M80 (DODIC 1305-A130) 1305-00-555-4275 1305-00-542-1219 1305-00-231-4630 1305-00-752-8837 1305-00-147-2989 1305-00-914-4675	2-1	3-1	4-1	5-1
Cartridge, 7.62-mm, Ball, Tracer, Linked with M13 Link, M62 (DODIC 1305-A131) 1305-00-143-7163 1305-00-449-8055	2-1	3-1	4-1	5-1
Cartridge, 7.62-mm, Ball, Tracer, M80/1 Linked, M62 (DODIC 1305-A131) 1305-00-892-2150	2-1	3-1	4-1	5-1
Cartridge, 7.62-mm, Match, M118(DODIC 1305-A136) 1305-00-064-2896	2-1	3-1	4-1	5-1
Cartridge, 7.62-mm, Tracer, M62 (DODIC 1305-A140) 1305-00-926-4017	2-1	3-1	4-1	5-1
Cartridge, 7.62-mm, Ball, M80, Linked (DODIC 1305-A143) 1305-01-098-9652 1305-00-257-1089	2-1	3-4	4-1	5-1
Cartridge, 7.62-mm, Tracer, M62, Clipped (DODIC 1305-A145) 1305-00-892-4211	2-1	3-1	4-1	5-1
Cartridge, 7.62-mm, Tracer, M62, Linked (DODIC 1305-A146) 1305-00-892-2335 1305-00-752-7596	2-1	3-4	4-1	5-1
Cartridge, 7.62-mm, Linked, 9-Ball, M80, 1Tracer, M62 (DODIC 1305-A165) 1305-00-926-3942	2-3	3-87	4-3	5-53
Cartridge, 7.62-mm, Linked, 9-Ball, M80, 1Tracer, M276 (DODIC 1305-A257) 1305-01-380-9803	2-3	3-87	4-3	5-53
9-Millimeter Ammunition				
Cartridge, 9-mm, Ball, M882 (DODIC 1305-A363) 1305-01-172-9558	2-1	3-7	4-32	5-3

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
.30-Caliber IAmmunition				
Cartridge, Cal .30, AP, API, Carton, Grade R (DODIC 1305-A201) 1305-00-926-3933 1305-00-028-6157 1305-00-814-4607	2-3	3-5	4-3	5-5
Cartridge, Cal .30, AP, API, Carton, Grade MG (DODIC 1305-A202) 1305-00-540-7209	2-3	3-5	4-3	5-5
Cartridge, Cal .30, AP, API, 8-rd Clip, Grade R (DODIC 1305-A205) 1305-00-301-1664	2-1	3-1	4-1	5-1
Cartridge, Cal .30, AP, API, M2, Linked with M1 Link, Grade MG (DODIC 1305-A207) 1305-00-028-6186	2-1	3-1	4-1	5-1
Cartridge, Cal .30, AP, API, Linked with Tracer (DODIC 1305-A209) 1305-00-028-6174 1305-00-028-6176 1305-00-028-6159 1305-00-028-6546 1305-00-028-6517	2-1	3-1	4-1	5-1
Cartridge, Cal .30, Ball, M2 (DODIC 1305-A212) 1305-00-555-7738 1305-00-096-3150	2-1	3-1	4-1	5-1
Cartridge, Cal .30, Ball, M2, Clipped (DODIC 1305-A214) 1305-00-555-6779 1305-00-028-6199 1305-00-028-6204 1305-00-819-0250	2-4	3-6	4-3	5-5
Cartridge, Cal .30, Ball, M2, Clipped (DODIC 1305-A216) 1305-00-301-1665 1305-00-028-6215	2-1	3-4	4-1	5-1
Cartridge, Cal .30, Tracer, M1, Clipped (DODIC 1305-A232) 1305-00-028-6261	2-4	3-6	4-3	5-5

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Cartridge, Cal .30, Tracer, M1 or M25, Clipped (DODIC 1305-A234) 1305-00-096-3152 1305-00-301-1669	2-1	3-4	4-1	5-1
Cartridge, Cal .30, Tracer, M25, Linked (DODIC 1305-A236) 1305-00-028-6551	2-1	3-1	4-1	5-1
.32-Caliber Ammunition				
Cartridge, Cal .32, Ball, Auto, 71 Grain (DODIC 1305-A350) 1305-00-068-4357	2-4	3-6	4-1	5-1
.38-Caliber Ammunition				
Cartridge, Cal .38, Special, Ball, M41 (DODIC 1305-A400) 1305-00-322-6391	2-4	3-6	4-1	5-1
.45-Caliber Ammunition				
Cartridge, Cal .45, Ball, M1911 (DODIC 1305-A475) 1305-00-028-6619 1305-00-028-6616	2-1	3-1	4-1	5-1
.50-Caliber Ammunition				
Cartridge, Cal .50, API, M8 (DODIC 1305-A531) 1305-00-028-6447 1305-00-028-6449	2-1	3-1	4-1	5-1
Cartridge, Cal .50, API, M8, Carton, Grade MG or API-T, M20 (DODIC 1305-A532) 1305-00-028-6460	2-4	3-6	4-4	5-4
Cartridge, Cal .50, API, M8, Linked (DODIC 1305-A533) 1305-00-028-6590 1305-00-028-6474	2-1	3-1	4-1	5-1
Cartridge, Cal .50, API, M8, Linked with M2 Link, Grade MG (DODAC 1305-A534) 1305-00-028-6453	2-4	3-6	4-4	5-4
Cartridge, Cal .50, API-T, M1/M17 Linked (DODIC 1305-A540) 1305-00-935-2017	2-1	3-1	4-1	5-1
Cartridge, Cal .50, API-T, M20 (DODIC 1305-A541) 1305-00-585-5194	2-1	3-1	4-1	5-1

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Cartridge, Cal .50, API-T, M20, Carton Grade MG (DODIC 1305-A542) 1305-00-028-6599	2-3	3-5	4-3	5-5
Cartridge, Cal .50, API-T, M20, Linked with M2 Link, Grade AC (DODIC 1305-A543) 1305-00-028-6600	2-1	3-1	4-1	5-1
Cartridge, Cal .50, API-T, M20, Linked with M2 Link, Grade MG (DODIC 1305-A544) 1305-00-305-0910	2-1	3-1	4-1	5-1
Cartridge, Cal .50, Tracer, M17, Grade MG (DODIC 1305-A571) 1305-00-585-5187 1305-00-585-5188	2-1	3-1	4-1	5-1
Cartridge, Cal .50, Tracer, M17, Linked with M2 Link, Grade A/C (DODIC 1305-A572) 1305-00-028-6609	2-1	3-1	4-1	5-1
Cartridge, Cal .50, Spotter-Tracer, M48A2 (DODIC 1305-A574) 1305-00-028-6611 1305-00-153-0269 1305-00-935-6067 1305-00-554-6745 1305-00-164-5343	2-1	3-1	4-1	5-1
Cartridge, Cal .50, Linked, 4 API, M8, API-T, M20 (DODIC 1305-A576) 1305-00-028-6603 1305-00-028-6490 1305-00-028-6466	2-1	3-1	4-1	5-1
Cartridge, Cal .50, Linked, 4 API, M8, API-T, M20 (DODIC 1305-A577) 1305-00-028-6488 1305-00-028-6604	2-1	3-1	4-1	5-1
Cartridge, Cal .50, API-T, M20, Linked (DODIC 1305-A585) 1305-00-618-2400	2-1	3-1	4-1	5-1
Cartridge, Cal .50, Linked, 4 API, M8, 1 API- T, M20 (DODIC 1305-A587) 1305-00-585-1667 1305-00-752-7638	2-1	3-1	4-1	5-1

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Cartridge, Cal .50, Linked, 4 API, M8, 1 API-T, M20 (DODIC 1305-A589) 1305-00-689-4709 1305-00-752-7891	2-1	3-1	4-1	5-1
Cartridge, Cal .50, API Lowlight, Linked, 1 Tracer, M257, 2 MK 263, 2 MK211, 1 M20 Tracer, 4 M20 (DODIC 1305-AA50) 1305-01-473-4766	2-1	3-1	4-1	5-1
20-Millimeter Ammunition				
Cartridge, 20-mm, Linked, 4 HEI/TP-T (DODIC 1305-A653) 1305-00-143-7034 1305-01-135-2582	2-5	3-8	4-5	5-6
Cartridge, 20-mm, Linked, 7 HEI, M56A3-1, M220 (DODIC 1305-A655) 1305-00-152-3660 1305-00-522-3707 1305-00-926-4058 1305-01-116-3932	2-5	3-8	4-5	5-6
Cartridge, 20-mm, Linked, HEAT-SD, M246 (DODIC 1305-A792) 1305-00-152-3659 1305-00-926-9279 1305-00-401-1536 1305-01-116-3925 1305-01-116-3924	2-5	3-8	4-5	5-6
25-Millimeter Ammunition				
Cartridge, 25-mm, M791 (DODIC 1305-A974) 1305-01-356-9838	2-6	3-10	4-6	5-8
Cartridge, 25-mm, HEI-T, M792, w/ M758 Fuze (DODIC 1305-A975) 1305-01-094-1035	2-6	3-10	4-6	5-8
Cartridge, 25-mm, M919 (DODIC 1305-A986) 1305-01-348-0192	2-6	3-10	4-6	5-8
25.4-Millimeter Ammunition				
Cartridge, 25.4-mm, Decoy, M839 (DODIC 1305-A965) 1305-01-082-8986	2-54	3-9	4-32	5-7

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
30-Millimeter Ammunition				
Cartridge, 30-mm, Target Practice, M788 (DODIC1305-B118) 1305-01-268-7274	2-7	3-14	4-9	5-10
Cartridge, 30-mm, HE, Dual Purpose, M789 (DODIC 1305-B129) 1305-01-268-9373	2-7	3-14	4-9	5-10
Cartridge, 30-mm, HE, Dual Purpose, M789 (DODIC 1305-B130) 1305-01-155-3197	2-7	3-14	4-9	5-10
40-Millimeter Ammunition				
Cartridge, 40-mm, HEDP, M33 (DODIC 1310-B470) 1310-00-143-8863	2-9	3-12	4-7	5-4
Cartridge, 40-mm, Illuminating, M661 (DODIC 1310-B504) 1310-00-541-6148	2-11	3-11	4-8	5-9
Cartridge, 40-mm, Illuminating, M662 (DODIC 1310-B505) 1310-00-541-6149	2-11	3-11	4-8	5-9
Cartridge, 40-mm, Red Smoke, M713 (DODIC 1310-B506) 1310-00-541-6150	2-11	3-11	4-8	5-9
Cartridge, 40-mm, Green Smoke, M715 (DODIC 1310-B508) 1310-00-541-6152	2-11	3-11	4-8	5-9
Cartridge, 40-mm, Yellow Smoke, M716 (DODIC 1310-B509) 1310-00-541-6153	2-11	3-11	4-8	5-9
Cartridge, 40-mm, Illuminating, M583A1 (DODIC 1310-B535) 1310-00-922-9780 1310-00-159-3198	2-10	3-13	4-10	5-11
Cartridge, 40-mm, HEDP, Linked, M430 (DODIC 1310-B542) 1310-00-867-6609	2-9	3-12	4-7	N/A
Cartridge, 40-mm, HEDP, Linked, M430 (DODIC 1310-B542) 1310-01-319-1541	2-8	3-15	4-11	5-12
Cartridge, 40-mm, HEDP, M433 (DODAC 1310-B546) 1310-00-992-0451	2-11	3-16	4-12	5-13

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Cartridge, 40-mm, AP-T, M81 (DODIC 1310-B552) 1310-00-309-4934 1310-00-309-4929 1310-00-554-0092 1310-00-039-1123	2-12	3-17	4-3	5-5
Cartridge, 40-mm, HEI-T, SD, M3 (DODIC 1310-B559) 1310-00-309-4943 1310-00-309-4942 1310-00-039-1304	2-4	3-6	4-4	5-4
Cartridge, 40-mm, HE-T, SD, M3, MK11, MK2 (DODIC 1310-B562) 1310-00-039-1244 1310-00-309-4941 1310-00-309-4939 1310-00-039-1202	2-12	3-17	4-3	5-5
Cartridge, 40-mm, HE, Linked, M383E1 (DODIC 1310-B571) 1310-00-976-0907	2-9	3-12	4-7	N/A
Cartridge, 40-mm, HE, Linked, M384 (DODIC 1310-B572) 1310-00-976-0908	2-9	3-18	4-7	N/A
Cartridge, 40-mm, TP, M918 (DODIC 1310-B584) 1310-01-317-5948	2-8	3-15	4-11	5-12
60-Millimeter Ammunition				
Cartridge, 60-mm, Illuminating, M83A3 (DODIC 1310-B627) 1310-00-782-5518 1310-00-143-7056	2-13	3-19	4-4	N/A
Cartridge, 60-mm, Smoke, WP, M302A1 (DODIC 1310-B630) 1310-00-935-9129 1310-00-935-6189 1310-00-926-3951	2-13	3-19	4-13	5-1
Cartridge, 60-mm, HE, M49A4 (DODIC 1310-B632) 1310-00-028-4944 1310-00-926-9428	2-11	3-20	4-7	5-13
Cartridge, 60-mm, HE, M720 (DODIC 1310-B642) 1310-01-022-7680	2-54	3-64	4-31	5-14
Cartridge, 60-mm, HE, M720E1 with M734A1 Fuze (DODIC 1310-B642) 1310-01-022-7680	2-54	3-65	4-31	5-15

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Cartridge, 60-mm, Smoke, WP, M722 (DODIC 1310-B646) 1310-01-236-1354	2-54	3-64	4-31	5-14
Cartridge, 60-mm, Illuminating, M721 (DODIC 1310-B647) 1310-01-258-8689	2-54	3-64	4-31	5-14
Cartridge, 60-mm, Illuminating, Infrared, M767 (DODIC 1310-BA04) 1310-01-438-6964	2-54	3-64	4-31	5-14
Cartridge, 60-mm, Smoke, WP, M722A1 (DODIC 1310-BA14) 1310-01-482-1259	2-54	3-64	4-31	5-14
Cartridge, 60-mm, M720A1 (DODIC 1310-BA16) 1310-01-418-4362	2-74	3-88	4-45	5-54
Cartridge, 60-mm, M768 (DODIC 1310-BA17) 1310-01-487-1944	2-74	3-88	4-45	5-54
81-Millimeter Ammunition				
Cartridge, 81-mm, HE, M362 (DODIC 1315-C222) 1315-00-892-3968 1315-00-602-5177 1315-00-182-3426 1315-00-702-0724	2-9	3-12	4-7	5-16
Cartridge, 81-mm, HE, M372 (DODIC 1315-C223) 1315-00-542-0179	2-9	3-12	4-7	5-16
Cartridge, 81-mm, HE, M43A1 (DODIC 1315-C225) 1315-00-585-1739 1315-00-028-4968 1315-00-555-4778	2-9	3-12	4-7	5-16
Cartridge, 81-mm, Illuminating, M301A3 (DODIC 1315-C226) 1315-00-143-7048 1315-00-164-5290 1315-00-143-7122 1315-00-028-4964 1315-01-277-5554	2-14	3-21	4-4	5-4

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Cartridge, 81-mm, Smoke, WP, M57 (DODIC 1315-C230) 1315-00-682-4626 1315-00-729-6566 1315-00-028-4992 1315-00-603-7768 1315-00-935-9210 1315-00-028-4985 1315-00-540-8499	2-15	3-22	4-7	5-16
Cartridge, 81-mm, HE M374A2 (DODIC 1315-C236) 1315-00-143-7184 1315-00-935-6033	2-9	3-12	4-7	5-4
Cartridge, 81-mm, HE, M374A2 with Fuze, M524A5 (DODIC 1315-C256) 1315-00-935-1931	2-9	3-12	4-7	5-4
Cartridge, 81-mm, HE, M374A2 with Fuze, M524A6 (DODIC 1315-C256) 1315-00-498-6407	2-9	3-12	4-7	5-4
Cartridge, 81-mm, HE, M374A2 with Fuze, M567 (DODIC 1315-C256) 1315-00-134-8984	2-9	3-12	4-7	5-4
Cartridge, 81-mm, HE, M374A2 with Fuze, M716 (DODIC 1315-C256) 1315-00-935-6030	2-9	3-12	4-7	5-4
Cartridge, 81-mm, Smoke, WP, M375A2 with Fuze PD 524A6 (DODIC 1315-C276) 1315-00-498-6406	2-9	3-12	4-7	5-4
Cartridge, 81-mm, Illuminating, IR, M816 (DODIC 1315-C484) 1315-01-379-1026	2-71	3-83	4-6	5-46
Cartridge, 81-mm, HE, M821A1/M821A2 with Fuze, M734A1 (DODIC 1315-C868) 1315-01-353-7618	2-63	3-75	4-6	5-39
Cartridge, 81-mm, HE, M889A1/M889A2 with Fuze, M734A1 (DODIC 1315-C869) 1315-01-353-7619	2-63	3-75	4-6	5-39
Cartridge, 81-mm, FRP, M879 (DODIC 1315-C875) 1315-01-354-4916	2-63	3-75	4-6	5-39

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
84-Millimeter Ammunition				
Cartridge, 84-mm, M136 with Launcher (AT4) (DODIC 1315-C995) 1315-01-245-4950	2-16	3-23	N/A	N/A
Cartridge, 84-mm, Practice, with Tracer, TPT 141 (DODIC 1315-CA10) 1315-17-042-1449	2-45	3-84	4-42	5-49
Munition, 84-mm, HEAT, Insensitive, 551C (DODIC 1315-CA20) 1315-01-468-8838	2-72	3-86	4-43	5-51
Cartridge, 84-mm, HEDP, IM, 502 (DODIC 1315-CA21) 1315-01-468-8840	2-45	3-84	4-42	5-49
Munition, 84-mm, Area Deterrent, 401 (DODIC 1315-CA23) 1315-01-476-1057	2-73	3-85	4-18	5-50
Cartridge, 84-mm, MAAWS, Reduced Sensitivity (RS), 441D (DODIC 1315-CA27) 1315-01-492-9747	2-45	3-84	4-42	5-49
Cartridge, 84-mm, AT4 Confined Space (CS), Reduced Sensitivity (RS) (DODIC 1315-CA30) 1315-01-508-8521	2-75	3-89	N/A	N/A
Cartridge, 84-mm, MAAWS, 545C, Illumination (DODIC 1315-CA36) 1315-01-519-3136	2-45	3-85	4-42	5-50
90-Millimeter Ammunition				
Cartridge, 90-mm, WP, M313C (DODIC 1315-C258) 1315-00-147-5895 1315-00-892-1593 1315-00-892-1594	2-17	3-24	4-3	5-5
Cartridge, 90-mm, HE, M71, (DODIC 1315-C265) 1315-00-028-4438	2-17	3-24	4-3	5-5
Cartridge, 90-mm, HE, M71 (DODIC 1315-C266) 1315-00-965-0675 1315-00-028-4427 1315-00-057-9580 1315-00-892-4928 1315-00-028-4478	2-17	3-24	4-3	5-5

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Cartridge, 90-mm, HE, M71, (DODIC 1315-C267) 1315-00-028-4422 1315-00-028-4417 1315-00-028-4458 1315-00-028-4411 1315-00-028-4430 1315-00-028-4432 1315-00-028-4418 1315-00-028-4433	2-17	3-24	4-3	5-5
Cartridge, 90-mm, Smoke, WP, M313 (DODIC 1315-C273) 1315-00-028-4421 1315-00-028-4482 1315-00-028-4476 1315-00-028-4480	2-17	3-24	4-3	5-5
Cartridge, 90-mm, APERS-T, M580 (DODIC 1315-C275) 1315-00-926-9328	2-17	3-24	N/A	N/A
Cartridge, 90-mm, HE-T, M71A1 with Fuze PD M557 (DODIC 1315-C280) 1315-00-727-3637 1315-00-169-5411 1315-00-169-5409 1315-00-433-8714 1315-00-926-1889 1315-00-752-7575 1315-00-057-9576 1315-00-892-4236 1315-00-926-1888 1315-00-752-7574 1315-00-965-0661 1315-00-965-0660 1315-00-926-1885 1315-00-150-2334 1315-00-057-9577	2-17	3-24	4-3	5-5
Cartridge, 90-mm, HEAT, M371 (DODIC 1315-C282) 1315-00-068-8472 1315-00-892-4307	2-19, 2-20	3-25	4-7, 4-14	5-16, 5-17
Cartridge, 90-mm, AP-T, M318 or M318A1 (DODIC 1315-C285) 1315-00-926-3974 1315-00-028-4742	2-17	3-24	4-3	5-5

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Cartridge, 90-mm, HEP-T, T142E3 (DODIC 1315-C292) 1315-00-028-4740 1315-00-028-4751	2-17	3-24	4-3	5-4
Cartridge, 90-mm, HEAT, M431A1 (DODIC 1315-C294) 1315-00-892-4113 1315-00-889-2087 1315-00-678-6114	2-17	3-24	4-3	5-4
Cartridge, 90-mm Canister, APERS, M590 (DODIC 1315-C410) 1315-00-926-9243 1315-00-926-1879	2-21, 2-22	3-26, 3-27	4-7, 4-14	5-13, 5-17
Cartridge, 90-mm Canister, M377 (DODIC 1315-C601) 1315-00-926-1928	2-17	3-24	4-3	5-5
105-Millimeter Ammunition				
Cartridge, 105-mm, HE, M1 (DODIC 1315-C443) 1315-00-926-4054 1315-00-926-1896 1315-00-926-9288 1315-00-892-4093	2-17	3-24	4-3	5-5
Cartridge, 105-mm, HE, M1 (DODIC 1315-C444) 1315-00-028-4832 1315-00-965-0877 1315-00-965-0776 1315-00-028-4844 1315-00-028-4841 1315-00-769-0281 1315-00-965-0548 1315-00-965-0777 1315-00-965-0572 1315-00-028-4801	2-17	3-24	4-3	5-5
Cartridge, 105-mm, HE, M1 (DODIC 1315-C445) 1315-00-028-4809 1315-00-215-8886 1315-00-028-4830 1315-00-215-8884 1315-00-926-4081 1315-00-028-4857 1315-00-215-8885 1315-00-146-6853 1315-00-145-7554 1315-00-028-4860 1315-00-028-4859 1315-00-028-4861 1315-00-231-4629	2-17	3-24	4-3	5-5

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Cartridge, 105-mm, HEP-T, M327 (DODIC 1315-C448) 1315-00-186-0073 1315-00-028-4806 1315-00-028-4835 1315-00-344-2312 1315-00-186-0076 1315-00-262-3031 1315-00-028-4808	2-17	3-24	4-3	5-5
Cartridge, 105-mm, Illuminating, M314A3 (DODIC 1315-C449) 1315-00-028-4823 1315-00-028-4794 1315-00-926-9299	2-17	3-24	4-3	5-5
Cartridge, 105-mm, Smoke, HC, BE, M84 or M84A1 (DODIC 1315-C452) 1315-00-028-4850 1315-00-143-6986 1315-00-028-4840 1315-01-031-0713 1315-00-182-3156 1315-00-028-4839	2-17	3-24	4-3	5-5
Cartridge, 105-mm, Smoke, WP, M60 (DODIC 1315-C454) 1315-00-028-4831 1315-00-439-6122 1315-00-145-7536 1315-00-113-8149 1315-00-892-4895 1315-00-470-5368 1315-00-143-7616 1315-00-439-6121 1315-00-892-4999 1315-00-113-5741 1315-00-316-0269	2-17	3-24	4-3	5-5
Cartridge, 105-mm, HE, M444 (DODIC 1315-C462) 1315-00-797-7199 1315-00-461-3323 1315-00-965-0739	2-17	3-24	4-3	5-5
Cartridge, 105-mm, HE, M548E1 (DODIC 1315-C463) 1315-00-926-4069	2-23	3-28	4-3	5-5
Cartridge, 105-mm, Tactical, CS, M629 (DODIC 1315-C468) 1315-00-143-7128	2-17	3-24	4-3	5-5

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Cartridge, 105-mm, HE, M760 (DODIC 1315-C473) 1315-01-189-7764	2-17	N/A	4-3	N/A
Cartridge, 105-mm, Smoke, WP, M60 (DODIC 1315-C477) 1315-00-228-6284 1315-00-228-6282 1315-00-228-6283	2-17	3-24	4-3	5-5
Cartridge, 105-mm, APDS-T, M728 (DODIC 1315-C494) 1315-00-378-9842 1315-00-001-7868	2-23	3-28	4-3	5-5
Cartridge, 105-mm, APDS-T, M392A2 (DODIC 1315-C505) 1315-01-030-6837	2-23	3-28	4-3	5-5
Cartridge, 105-mm, HEAT-T, M456A1E2 (DODIC 1315-C508) 1315-01-094-5294 1315-01-023-7122 1315-00-889-2095 1315-00-926-3989 1315-00-756-2886 1315-00-058-0579	2-23, 2-24	3-28, 3-29	4-3, 4-16	5-5, 5-23
Cartridge, 105-mm, TP-T, M490 (DODIC 1315-C511) 1315-01-107-2513 1315-01-090-0168 1315-00-965-0713 1315-01-161-3683	2-23, 2-24	3-28, 3-29	4-3, 4-16	5-5, 5-23
Cartridge, 105-mm, Smoke, WP-T, M416 with Fuze BD M534A1 (DODIC 1315-C512) 1315-00-901-4921 1315-00-143-7183	2-23	3-28	4-3	5-5
Cartridge, 105-mm, APERS-T, M546 with Fuze MT M563 (DODIC 1315-C513) 1315-00-143-7121 1315-00-935-1977 1315-00-143-7768 1315-00-935-1980 1315-00-935-9178	2-17	3-24	4-3	5-5
Cartridge, 105-mm, HEP-T, M393A2 (DODIC 1315-C518) 1315-00-935-6128 1315-01-063-8832 1315-00-728-0704	2-23	3-28	4-3	5-5

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Cartridge, 105-mm, APER-T, M494 with Fuze M571 (DODIC 1315-C519) 1315-00-143-6930 1315-00-935-6154	2-23	3-28	4-3	5-5
Cartridge, 105-mm, APFSDS-T, M833 (DODIC 1315-C524) 1315-01-136-9631	2-25	3-30	4-15	5-36
Cartridge, 105-mm, APFSDS-T, M900E1 (DODIC 1315-C543) 1315-00-324-6633	2-26	3-31	4-17	5-18
Cartridge, 105-mm, HERA, M913 in PA117 Containers (DODIC 1315-C546) 1315-01-250-2857	2-65	3-77	4-36	5-41
Cartridge, 105-mm, DPICM, M915 (DODIC 1315-CA11) 1315-01-451-7536	2-65	3-77	4-36	5-41
Cartridge, 105-mm, HE-T/TP-T, M393A3 (DODIC 1315-CA32) 1315-01-514-7485	2-65	3-77	4-36	5-41
4.2-Inch Ammunition				
Cartridge, 4.2-in, HE, w/o Fuze (DODIC 1315-C697) 1315-01-211-8411	2-18	3-33	4-19	5-20
Cartridge, 4.2-in, HE, M329A1 (DODIC 1315-C704) 1315-00-028-5016 1315-00-782-5850	2-19	3-34	4-3	5-5
Cartridge, 4.2-in, HE, M329A1 (DODIC 1315-C705) 1315-00-935-9140 1315-00-028-5017 1315-00-723-5724	2-19	3-34	4-3	5-5
Cartridge, 4.2-in, Illuminating, M335A2 (DODIC 1315-C706) 1315-00-761-2073 1315-00-482-8452 1315-01-129-9337	2-19	3-34	4-3	5-5
Cartridge, 4.2-in, Smoke, WP, M328A1 (DODIC 1315-C708) 1315-00-935-9214 1315-00-008-7787 1315-00-485-6032 1315-00-935-9131 1315-00-965-0846	2-19	3-34	4-3	5-5

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
106-Millimeter Ammunition				
Cartridge, 106-mm, HEAT, M344A1 (DODIC 1315-C650) 1315-00-141-0232 1315-00-343-3612 1315-00-965-0564	2-17	3-24	4-3	5-5
Cartridge, 106-mm, HEP-T, M346A1 (DODIC 1315-C651) 1315-00-926-4019 1315-00-173-7353 1315-00-343-3613 1315-00-028-4791 1315-00-470-5410	2-17	3-24	4-3	5-5
Cartridge, 106-mm, APERS-T, M581 (DODIC 1315-C660) 1315-00-926-9275	2-17	3-24	4-3	5-5
120-Millimeter Ammunition				
Cartridge, 120-mm, HE, M934 with or without Fuze M734A1 (DODIC 1315-C379) 1315-01-335-5016	2-28	3-32	4-18	5-19
Cartridge, 120-mm, APFSDS-T, M829A1 (DODIC 1315-C380) 1315-01-269-2256	2-27	N/A	N/A	N/A
Cartridge, 120-mm, HE, M933 with or without Fuze M734A1 (DODIC 1315-C623) 1315-01-343-1941	2-28	3-32	4-18	5-19
Cartridge, 120-mm, M929, Smoke, WP, w/ Fuze, PD, M745 or M734A1 (DODIC 1315-C624) 1315-01-343-1940	2-28	3-32	4-18	5-19
Cartridge, 120-mm, Visible Illuminating, M930 w/ M230 Propellant Charge and M981 Ignition Charge (DODIC 1315-C625) 1315-01-343-1942	2-70	3-82	4-41	5-48
Cartridge, 120-mm, APFSDS-T, M829 (DODIC 1315-C786) 1315-01-226-7418	2-29	N/A	N/A	N/A
Cartridge, 120-mm, HEAT-MP-T, M830 (DODIC 1315-C787) 1315-01-232-4638	2-29	N/A	N/A	N/A
Cartridge, 120-mm, HE, M57 (DODIC 1315-C788) 1315-01-315-1328	2-30	3-35	4-20	5-21

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Cartridge, 120-mm, Illuminating, M91 (DODIC 1315-C790) 1315-01-315-1329	2-30	3-35	4-20	5-21
Cartridge, 120-mm, HEAT-MP-T, M830A1 (DODIC 1315-C791) 1315-01-333-0534	2-31	N/A	N/A	N/A
Cartridge, 120-mm, APFSDS-T, M829A2 (DODIC 1315-C792) 1315-01-361-5023	2-31	N/A	N/A	N/A
Cartridge, 120-mm, Illuminating, Infrared (IR), M983 (DODIC 1315-CA07) 1315-01-446-2904	2-70	3-82	4-41	5-48
Cartridge, 120-mm, APFSDS, M829A3 (DODIC 1315-CA26) 1315-01-489-1143	2-31	N/A	N/A	N/A
Cartridge, 120-mm, M1028 (DODIC 1315-CA38) 1315-01-516-5248	2-31			
152-Millimeter Ammunition				
Cartridge, 152-mm, TD-T, M411E3 (DODIC 1320-D380) 1320-00-935-2018	2-32	3-36	4-21	5-22
Cartridge, 152-mm, HEAT-MP, M409E6 (DODIC 1320-D381) 1320-00-143-6832 1320-00-491-0420 1320-00-182-3432	2-33, 2-34	3-37, 3-38	4-16	5-23
Cartridge, 152-mm, Canister, M625A1 (DODIC 1320-D390) 1320-00-496-9733 1320-00-159-3191 1320-00-926-4103	2-33, 2-34	3-37, 3-38	4-16	5-23
155-Millimeter Ammunition				
Charge, Propelling, 155-mm, M19 (DODIC 1320-D480) 1320-00-028-4369 1320-00-028-4371	2-35	3-39	4-22	5-24
Projectile, 155-mm, Gas, Persistent, HD, M104 (DODIC 1320-D484) 1320-00-529-7350 1320-00-028-4348	2-35	3-39	4-22	5-24
Projectile, 155-mm, HE, M101 (DODIC 1320-D485) 1320-00-028-4350 1320-00-529-7348	2-35	3-39	4-22	5-24

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Projectile, 155-mm, Smoke, WP, M104 (DODIC 1320-D487) 1320-00-529-7347	2-35	3-39	4-22	5-24
Reducer, Flash, Propelling Charge, M1 (DODIC 1320-D490) 1320-00-028-4366 1320-00-028-4367	2-35	3-39	4-22	5-24
Projectile, 155-mm, HE, ADAM, M692 (DODIC 1320-D501) 1320-00-434-8856 1320-01-261-6043	2-35	3-39	4-22	5-24
Projectile, 155-mm, HE, ADAM, M731 (DODIC 1320-D502) 1320-00-434-8861 1320-01-260-8719	2-35	3-39	4-22	5-24
Projectile, 155-mm, AT, RAAMS, M718 (DODIC 1320-D503) 1320-01-050-6059 1320-01-268-0387	2-35	3-39	4-22	5-24
Projectile, 155-mm, Illuminating, M485A2 (DODIC 1320-D505) 1320-00-926-9388 1320-00-935-2091	2-35	3-39	4-22	5-24
Projectile, 155-mm, HC, HE, M116E2 (DODIC 1320-D506) 1320-00-926-9276	2-35	3-39	4-22	5-24
Projectile, 155-mm, AT, RAAMS, M741 (DODIC 1320-D509) 1320-01-050-7966 1320-01-268-0386	2-35	3-39	4-22	5-24
Projectile, 155-mm, HEAT, M712, Copperhead (DODIC 1320-D510) 1320-01-077-4279	2-36	3-40	N/A	N/A
Projectile, 155-mm, HE, RAAM-L, M718A1 (DODIC 1320-D515) 1320-01-151-9849	2-35	3-39	4-22	5-24
Projectile, 155-mm, Smoke, WP, M825 (DODIC 1320-D528) No NSN	2-35	3-39	4-23	5-24
Projectile, 155-mm, Smoke, M795 (DODIC 1320-D529) 1320-01-086-0285 1320-01-457-4059	2-35	3-39	4-22	5-24

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Charge, Propelling, 155-mm, M203A1 (DODIC 1320-D532) 1320-01-033-9394 1320-01-202-8938	2-35	3-39	4-22	5-24
Charge, Propelling, 155-mm, M119A1 and M119A2 (DODIC 1320-D533) 1320-00-143-6847 1320-01-051-4132 1320-01-093-6856	2-35	3-39	4-22	5-24
Charge, Propelling, 155-mm, M3 and M3A1 (DODIC 1320-D540) 1320-00-028-4876 1320-00-028-4873 1320-00-935-1922	2-35	3-39	4-22	5-24
Charge, Propelling, 155-mm, M4A1 and M4A2 (DODIC 1320-D541) 1320-00-028-4879 1320-00-935-1923	2-35	3-39	4-22	5-24
Projectile, 155-mm, HE, M107 (DODIC 1320-D544) 1320-00-782-5532 1320-01-257-4222 1320-00-529-7331 1320-00-926-9319 1320-00-028-4889	2-35	3-39	4-22	5-24
Projectile, 155-mm, Smoke, HC, BE, M116 (DODIC 1320-D548) 1320-00-028-4884 1320-00-529-7342 1320-00-734-1100	2-35	3-39	4-22	5-24
Projectile, 155-mm, Smoke, WP, M110 (DODIC 1320-D550) 1320-00-782-5828 1320-00-143-8383 1320-00-529-7339 1320-00-028-4883 1320-00-318-8138 1320-00-935-9143	2-35	3-39	4-22	5-24
Reducer, Flash, Propelling Charge, M2 (DODIC 1320-D552) 1320-00-935-6053	2-35	3-39	4-22	5-24
Dummy, Projectile, 155-mm, M7 (DODIC 1320-D553) 1320-00-028-4516	2-35	3-39	4-22	5-24

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Projectile, 155-mm, HE, M449A1 (DODIC 1320-D562) 1320-00-073-8847 1320-00-689-9365	2-35	3-39	4-22	5-24
Projectile, 155-mm, HE, M483A1 (DODIC 1320-D563) 1320-00-872-3164 1320-00-126-7339 1320-01-260-8720	2-35	3-39	4-22	5-24
Projectile, 155-mm, HE, RA, M549 (DODIC 1320-D579) 1320-00-936-8278	2-35	3-39	4-22	5-24
Projectile, 155-mm, M864 (DODIC 1320-D684) 1320-00-986-9731	2-35	3-39	N/A	N/A
Charge, Propelling, 155-mm, MACS, M231 (DODIC 1320-DA12) 1320-01-454-4603	2-35	3-39	4-22	5-24
Charge, Propelling, 155-mm, MACS, M232 (DODIC 1320-DA13) 1320-01-454-4063	2-35	3-39	4-22	5-24
Projectile, 155-mm, RADAM, Short SD, with RAAMS A1, M1025 (DODIC 1320-DA19) 1320-01-470-8477	2-35	3-39	4-22	5-24
Projectile, 155-mm, RADAM, Short SD, M1023 (DODIC 1320-DA20) 1320-01-470-8461	2-35	3-39	4-22	5-24
Projectile, 155-mm, RADAM, Long SD, M1024 (DODIC 1320-DA21) 1320-01-470-8470	2-35	3-39	4-22	5-24
Projectile, 155-mm, RADAM, Long SD, with RAAMS A1, M1026 (DODIC 1320-DA22) 1320-01-470-8496	2-35	3-39	4-22	5-24
175-Millimeter Ammunition				
Charge, Propelling, 175-mm, WB, M86A2, with Additive Jacket M1 and Primer Percussion M82 (DODIC 1320-D361) 1320-00-182-3030	2-37	3-41	N/A	N/A

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Projectile, 175-mm, HE, M437A2 (DODIC 1320-D572) 1320-00-965-0571 1320-00-892-4927	2-37	3-41	N/A	N/A
8-Inch Ammunition				
Charge, Propelling, 8-in, WB, M188 (DODIC 1320-D661) 1320-01-014-2451	2-38	3-42	N/A	N/A
Charge, Propelling, 8-in, WB, M188A1 (DODIC 1320-D662) 1320-01-231-7231 1320-01-070-4485 1320-01-070-4486	2-38	3-42	N/A	N/A
Charge, Propelling, 8-in, M1 (DODIC 1320-D675) 1320-00-028-4374	2-38	3-42	N/A	N/A
Charge, Propelling, 8-in, M2 (DODIC 1320-D676) 1320-00-028-4378	2-38	3-42	N/A	N/A
Projectile, 8-in, HE, M106 (DODIC 1320-D680) 1320-00-542-0728 1320-01-257-7961 1320-00-529-7335 1320-00-028-4359	2-38	3-42	N/A	N/A
Reducer, Flash, Propelling Charge, M3 (DODIC 1320-D681) 1320-00-926-9303	2-38	3-42	N/A	N/A
Projectile, 8-in, HE, M404 (DODIC 1320-D684) 1320-00-769-0275 1320-00-986-9731	2-38	3-42	N/A	N/A
Grenades				
Grenade, Discharger, Anti-Riot Irritant, L96E1 (DODIC 1330-FZ14) 1330-01-459-4018	2-68	3-80	4-39	5-45
Grenade, Discharger, Anti-Riot Irritant, L97E1 (DODIC 1330-FZ15) 1330-01-459-4032	2-68	3-80	4-39	5-45
Grenade, 40-mm, Smoke, Screening, L8A3 (DODIC 1330-G815) 1330-01-124-5031	2-40	3-43	4-24	5-25

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Launcher, Grenade, 40-mm, Smoke, IR Screening, M76 (DODIC 1330-G826) 1330-01-171-8869	2-41	3-44	4-25	5-26
Cartridge, Grenade, Rifle, NATO, 7.62-mm, M64 (DODIC 1330-G839) 1330-00-301-1989	2-10	3-13	4-1	5-13
Grenade, Hand, Fragmentation, M26 or M26A1 (DODIC 1330-G890) 1330-00-028-5832 1330-00-301-1970	2-9	3-12	4-26	5-27
Grenade, Hand, Incendiary, TH-3, AN-M14 with Fuze M201A1 (DODIC 1330-G900) 1330-00-219-8557	2-10	3-13	4-13	5-1
Grenade, Hand, Offensive, MK3A2 with Fuze (DODIC 1330-G911) 1330-00-143-6807 1330-00-194-2768	2-42	3-45	4-7	5-13
Grenade, Hand, Smoke, HC, ABC, AN-M18 with Fuze (DODIC 1330-G930) 1330-00-219-8511	2-43	3-20	4-27	5-13
Grenade, Hand, Green Smoke, M18 with Fuze (DODIC 1330-G940) 1330-00-540-9147 1330-00-289-6851	2-43	3-20	4-27	5-13
Grenade, Hand, Yellow Smoke, M18 with Fuze (DODIC 1330-G945) 1330-00-540-9145 1330-00-289-6854	2-43	3-20	4-27	5-13
Grenade, Hand, Red Smoke, M18 with Fuze (DODIC 1330-G950) 1330-00-289-6852	2-43	3-20	4-27	5-13
Grenade, Hand, Violet Smoke, M18 with Fuze M201A1 (DODIC 1330-G955) 1330-00-289-6853	2-43	3-20	4-27	5-13

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Grenade, Hand, Riot Control, M7A3 with Fuze (DODIC 1330-G963) 1330-00-965-0802 1330-00-128-1027 1330-00-799-8816	2-43	3-20	4-27	5-13
Grenade, Launcher, Smoke MM/IR, Screening, M81 (DODIC 1330-GG01) 1330-01-412-5778	2-44	3-46	4-28	5-28
Grenade, Launcher, Smoke Screening, TA, M90 (DODIC 1330-GG03) 1330-01-449-9600	2-64	3-76	4-35	5-40
Grenade, Rifle, Entry, M100 (DODIC 1330-GG12) 1330-01-493-9000	N/A	N/A	4-44	5-52
Launcher and Grenade, Smoke, HC, WP, M176 (DODIC 1330-H050) 1330-00-930-8945	2-45	3-47	N/A	N/A
Rockets				
Rocket, 83-mm, HEDP, BDM (DODIC 1340-HA08) 1340-01-443-5477	2-66	3-78	4-37	5-42
Rocket, 2.75-in, WP, M259 (DODIC 1340-H116) 1340-01-049-1882	2-47	3-48	N/A	N/A
Rocket, 2.75-in, Flare, IR (DODIC 1340-H154) 1340-01-371-8611	2-46	3-50	N/A	N/A
Rocket, 2.75-in, with WHD, HE, M151 with Fuze M440 and Motor MK40 Mod 3 (DODIC 1340-H161) 1340-00-003-1102	2-47, 2-49	3-51, 3-52	N/A	N/A
Rocket, 2.75-in, HE, w/M151, HYDRA (DODIC 1340-H163) 1340-01-108-8851	2-47	3-49	N/A	N/A
Rocket, 2.75-in, Flare, HYDRA (DODIC 1340-H181) 1340-01-249-7721	2-46	3-50	N/A	N/A
Rocket, 2.75-in, with WHD, WDU-4A/A and Motor MK40 Mod 3 (DODIC 1340-H459) 1340-00-223-7224 1340-00-401-4460	2-47, 2-49	3-51, 3-52	N/A	N/A

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Rocket, Flechette (DODIC 1340-H462) 1340-01-309-5799	2-48	3-53	N/A	N/A
Rocket, 2.75-in, MPSM, w/ MK66, MOD 1, M261 (DODIC 1340-H464) 1340-01-108-8850	2-48	3-53	N/A	N/A
Rocket, 2.75-in, WHD, HE, M229, with Liners and Fuze M429 and Motor MK40 Mod 3 (DODIC 1340-H488) 1340-00-180-9909 1340-00-143-8446	2-49,2-50	3-52,3-54	N/A	N/A
Rocket, 2.75-in, WHD, HE, M151 with Fuze M429 and Motor MK40 Mod 3 (DODIC 1340-H489) 1340-00-223-7219 1340-00-143-8448	2-47,2-49	3-51,3-52	N/A	N/A
Rocket, 2.75-in, WHD, HE, M151 with Fuze M423 and Motor MK40 Mod 3 (DODIC 1340-H490) 1340-00-926-1945	2-47,2-49	3-51,3-52	N/A	N/A
Rocket, 2.75-in, Smoke, WP, M156 with Fuze M423 and Motor MK40 Mod 3 (DODIC 1340-H519) 1340-00-406-7327 1340-00-912-4548	2-47	3-51	N/A	N/A
Rocket, 2.75-in, WHD, HE, M229 with Fuze M423 and Motor MK40 Mod 3 (DODIC 1340-H534) 1340-00-191-3315 1340-00-143-6888	2-47,2-49	3-51,3-52	N/A	N/A
Rocket, 66-mm, HEAT, M72A2 with Launcher (DODIC 1340-H557) 1340-00-021-4480 1340-00-007-4889 1340-00-021-4491	2-51	3-55	N/A	N/A
Rocket, 2.75-in, WHD, HEDP, M247 with Fuze M438 and Motor MK40 Mod 3 (DODIC 1340-H826) 1340-00-689-4075	2-47	3-51	N/A	N/A

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
<i>Antipersonnel and Antitank Mines</i>				
Mine, Antipersonnel, M16A1 with Fuze M605 (DODIC 1345-K092) 1345-00-173-2714 1345-00-461-3313 1345-00-965-0742 1345-00-529-7303	2-10	3-13	4-13	5-29
Mine, Antipersonnel, MN, M14 (DODIC 1345-K121) 1345-00-096-3093 1345-00-028-5108	2-9	3-47	N/A	N/A
Mine, Antipersonnel, M18A1 with Accessories (DODIC 1345-K143) 1345-00-710-6946 1345-00-166-6378	2-10	3-56	4-1	N/A
Mine, AP, M26 (DODIC 1345-K146) 1345-00-678-9822	2-52	3-26	4-4	5-4
Mine, Antitank, HEAT, Heavy M15 with Fuze M603 (DODIC 1345-K180) 1345-00-028-5118 1345-00-173-2715 1345-01-142-3441	2-9	3-47	N/A	N/A
Mine, Antitank, HE, M121, Heavy with Fuze Combination M607 (DODIC 1345-K181) 1345-00-173-2716 1345-00-729-4263	2-19	3-57	4-3	5-4
Mine, AT, HE, M19 (DODIC 1345-K250) 1345-00-849-9768	2-39	3-58	4-29	N/A
<i>Incendiary Items</i>				
Burster, Incendiary, Field, M4 without Fuze (DODIC 1345-K010) 1345-00-690-7338	2-1	3-1	4-1	5-1
Smoke Pot, Hexachloroethane, M5 (DODIC 1365-K866) 1365-00-598-5207	2-2	3-59	4-8	5-33
Smoke Pot, Floating, HC, M4A2 (DODIC 1365-K867) 1365-00-598-5220	2-54	3-60	4-8	5-30

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Thickener, Incendiary Oil, M4 (DODIC 1365-K917) 1365-00-926-4076 1365-00-143-7139	2-53	3-61	N/A	N/A
Starter, Fire, NP3, M2 (DODIC 1370-L621) 1370-00-009-9596	2-59	3-71	N/A	N/A
Flare and Signal Items				
Signal, Illuminating, A/C, Single Star, AN-M43A2, Red (DODIC 1370-L231) 1370-00-618-5790 1370-00-028-5970	2-13	3-19	4-7	5-4
Signal, Illuminating, A/C, Single Star, AN-M45A2, Green (DODIC 1370-L233) 1370-00-618-2402 1370-00-028-5967	2-13	3-19	4-7	5-4
Signal, Illuminating, Ground, M195, Green Star (DODIC 1370-L305) 1370-00-182-3408	2-54	3-64	4-1	5-1
Signal, Illuminating, Ground, M158, Red Star (DODIC 1370-L306) 1370-00-756-2591	2-54	3-64	4-1	5-1
Signal, Illuminating, Ground, M159, White Star (DODIC 1370-L307) 1370-00-756-2588	2-54	3-64	4-1	5-1
Signal, Illuminating, Ground Parachute, M126A1 (DODIC 1370-L311) 1370-00-629-2336	2-54	3-64	4-1	5-1
Signal, Illuminating, Parachute, M127A1, White Star (DODIC 1370-L312) 1370-00-753-1859	2-54	3-64	4-1	5-1
Signal, Illuminating, Ground, Cluster, M125A1 (DODIC 1370-L314) 1370-00-629-2335	2-54	3-64	4-1	5-1
Signal, Smoke, Parachute, M129A1, Red (DODIC 1370-L323) 1370-00-301-1132	2-54	3-64	4-1	5-1

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Signal, Smoke, Parachute, M128A1, Green (DODIC 1370-L324) 1370-00-301-1131	2-54	3-64	4-1	5-1
Signal, Underwater Sound, MK61, Mod 0 (NALC SW08) 1361-00-065-7733	2-60	3-73	4-33	5-38
Signal, Underwater Sound, MK82, Mod 0 (NALC SW32) 1361-00-167-8202	2-60	3-73	4-33	5-38
Flare, M206, Rigged w/Cartridge, Impulse, M796 Flare (DODIC 1370-L410) Cartridge (DODIC 1377-MD73) Flare - 1370-01-048-2138 Cart. - 1377-01-049-6365	2-55	3-62	4-30	5-31
Flare, Surface, M49A1, Trip (DODIC 1370-L495) 1370-00-752-8060	2-45	3-47	4-12	5-13
<i>Demolition Items</i>				
Charge, Demolition Block, Comp, C4, 1 1/4- lb, M112 (DODIC 1375-M023) 1375-00-724-7040	2-10	3-13	4-13	5-1
Charge, Demolition, Block, PETN, M118 (DODIC 1375-M024) 1375-00-728-5941	2-52	3-66	4-7	5-13
Charge, Demolition, Block, 1/4-lb TNT (DODIC 1375-M030) 1375-00-926-9394	2-45	3-61	4-4	5-4
Charge, Demolition, Block, 1/2-lb TNT (DODIC 1375-M031) 1375-00-926-9316	2-52	3-26	4-5	5-6
Charge, Demolition, Block, 1-lb TNT (DODIC 1375-M032) 1375-00-935-6139 1370-00-028-5142	2-52	3-26	4-5	5-6
Charge, Demolition, Chain, M1, Eight 2 1/2- lb Telrytol Charge Strung on Detonating Cord (DODIC 1375-M035) 1375-00-028-5133	2-9	3-12	4-21	5-22

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Charge, Demolition, Block, M2 (DODIC 1375-M036) 1375-00-028-5135	2-9	3-12	4-21	5-22
Charge, Demolition, Block, M541 (DODIC 1375-M038) 1375-00-028-5148	2-56	3-68	4-21	5-22
Charge, Demolition, Block, 40-lb Cratering Ammonium Nitrate (DODIC 1375-M039) 1375-00-028-5145 1370-00-028-5146	2-19	3-25	4-7	5-16
Charge, Demolition, Block, 55-lb (DODIC 1375-M040) 1375-00-038-5325 1375-00-038-5326 1375-00-038-5323 1375-00-038-5327	2-61	3-67	4-33	5-38
Charge, Demolition, Roll Type, M186 (DODIC 1375-M060) 1375-00-926-4108	2-12	3-63	4-4	5-4
Cap, Blasting, Special Electric, M6 (DODIC 1375-M130) 1375-00-756-1865 1375-00-889-2003	2-12	3-63	N/A	N/A
Cap, Blasting, Special Non-Electric, M7 (DODIC 1375-M131) 1375-00-028-5226	2-45	3-47	4-4	5-4
Destructor, Explosive, Universal, M10 (DODIC 1375-M241) 1375-00-028-5171	2-54	3-64	4-31	5-14
Charge, Demolition, Shaped, HJE, 15-lb, M2A3 (DODIC 1375-M420) 1375-00-935-1924 1375-00-028-5237 1375-00-529-7698	2-57	3-69	4-21	5-22
Charge, Demolition, Shaped, 40-lb, M3 (DODIC 1375-M421) 1375-00-088-6691 1375-00-028-5241	2-13	3-6	4-21	5-22
Detonator, Percussion, M1A2, 15-sec Delay (DODIC 1375-M450) 1375-00-729-4378	2-52	3-47	4-21	5-22

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Cord, Detonating, Reinforced Pliofilm/Wrapped Waterproof, Type I (DODIC 1375-M456) 1375-00-180-9356 1375-00-204-0851	2-19	3-25	4-4	5-32
Dynamite, Military, M1 (DODIC 1375-M591) 1375-00-724-9613	2-4	3-6	4-4	5-4
Firing Device, Demolition, M1A1, Pressure Type (DODIC 1375-M626) 1375-00-028-5178	2-58	3-70	4-4	5-32
Firing Device, Demolition, M5, Pressure Release Type (DODIC 1375-M627) 1375-00-028-5192 1375-00-028-5190	2-42	3-26	4-7	5-13
Firing Device, Demolition, M3, Pull-Release Type (DODIC 1375-M629) 1375-00-028-5188	2-10	3-13	4-13	5-1
Firing Device, Demolition, M1, Pull Type (DODIC 1375-M630) 1375-00-580-1392	2-52	3-26	4-3	5-4
Firing Device, Demolition, M1, Release Type (DODIC 1375-M631) 1375-00-028-5187	2-52	3-66	4-7	N/A
Demolition Kit, Fighting Position Excavator, M300 (DODIC 1375-MN26) 1375-01-429-3510	2-67	3-79	4-38	5-43
<i>Munitions</i>				
Munition, Wide Area, Hornet, M93 (DODIC 1377-SQ20) 1377-01-425-7579	2-69	3-81	4-40	5-47
<i>Fuzes and Primers</i>				
Fuze, MT, M565 (DODIC 1390-N248) 1390-00-993-5691	2-59	3-71	4-32	5-33
Fuze, MTSQ, M500 or M500A1 (DODIC 1390-N275) 1390-00-028-4911 1390-00-028-4908	2-59	3-71	4-32	5-33

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Fuze, MTSQ, M501 or M501A1 (DODIC 1390-N276) 1390-00-028-4915 1390-00-305-0868	2-59	3-71	4-32	5-33
Fuze, MT, M564 (DODIC 1390-N278) 1390-00-889-2044 1390-01-032-6130	2-59	3-71	4-32	5-33
Fuze, MTSQ, M520 (DODIC 1390-N280) 1390-00-892-4264 1390-01-032-6130	2-59	3-71	4-32	5-33
Fuze, MTSQ, M577 (DODIC 1390-N285) 1390-00-805-0692 1390-01-247-4013 1390-01-158-8194	2-59	3-71	4-32	5-33
Fuze, MTSQ, M582A1 (DODIC 1390-N286) 1390-01-158-8193 1390-00-169-5864	2-59	3-71	4-32	5-33
Fuze, Electronic Time, M762 (DODIC 1390-N289) 1390-01-282-6038	2-35	3-39,3-71	4-22, 4-32	N/A
Fuze, Electronic Time, M767 (DODIC 1390-N290) 1390-01-283-6532	2-35	3-39,3-71	4-22, 4-32	N/A
Fuze, PD, M572 (DODIC 1390-N311) 1390-00-009-5572 1390-00-892-4898	2-59	3-71	4-32	5-33
Fuze, PD, M48A3 (DODIC 1390-N318) 1390-00-935-1952	2-59	3-71	4-32	5-33
Fuze, PD, M535 (DODIC 1390-N323) 1390-00-814-0266	2-59	3-71	4-32	5-33
Fuze, PD, M557 (DODIC 1390-N335) 1390-00-892-4302 1390-00-187-5392	2-59	3-71	4-32	5-33
Fuze, PD, M739 (DODIC 1390-N340) 1390-00-574-7705 1390-01-080-9447	2-59	3-71	4-32	5-33

Table 1-3. Ammunition rigging table (continued)

<i>Item</i>	<i>A-22/Platform Low-Velocity</i>	<i>A-22 High Velocity</i>	<i>A-7A/A-21 Low Velocity</i>	<i>A-7A/A-21 High Velocity</i>
Fuze, Proximity, M532 (DODIC 1390-N402) 1390-00-764-9124	2-59	3-71	4-32	5-33
Fuze, Proximity, M514, M514A1, or M514B1 (DODIC 1390-N411) 1390-00-309-4966 1390-00-309-4974 1390-00-309-4973	2-59	3-71	4-32	5-33
Fuze, Proximity, M513A1 or M513B1 (DODIC 1390-N412) 1390-00-305-0866 1390-00-692-6896 1390-00-301-1094	2-59	3-71	4-32	5-33
Fuze, Proximity, M517 (DODIC 1390-N417) 1390-00-324-1420	2-59	3-71	4-32	5-33
Fuze, Proximity, M728 (DODIC 1390-N463) 1390-00-182-3132	2-59	3-71	4-32	5-33
Fuze, Proximity, M732 (DODIC 1390-N464) 1390-01-020-0096 1390-01-137-5444	N/A	3-72	N/A	N/A
Fuze, Proximity, M514A1 (DODIC 1390-N477) 1390-00-926-4055	2-59	3-71	4-32	5-33
Primer, Percussion, M82 (DODIC 1390-N523) 1390-00-892-4202	2-59	3-71	4-4	5-34
Primer, Percussion, MK2A4 (DODIC 1390-N525) 1390-00-935-9234 1390-00-926-3924 1390-00-009-5571	2-59	3-71	4-27	5-35
Fuze, Delay, PD, MOD 1, MK399 (DODIC 1390-N659) 1390-01-263-8046	2-35, 2-38, 2-62	3-39, 3-42, 3-74	4-22, 4-34	5-24, 5-44
Fuze, Multi-Option for Artillery, M782 (DODIC 1390-NA09) 1390-01-462-0699	2-35	3-39, 3-71	4-32	N/A

Table 1-3. Ammunition rigging table (continued)

Legend	
ABC Atomic Biological and Chemical	Lb pound
Auto automatic	MAAWS multi-purpose, anti-personnel, anti-armor weapon system's
A/C aircraft	MACS modular artillery charge system
ADAM Area denial artillery munition	MDI modernized demolition initiator
AP armor-piercing	mg machine gun
APDS-T armor-piercing discarding sabot-tracer	mm millimeter
APERS antipersonnel	mod model
APERS-T antipersonnel—tracer	MPSM Multi-purpose Sub-munition
APFSDS-T armor-piercing fin-stabilized discarding sabot—tracer	MT mechanical time
API armor-piercing incendiary	MTSQ mechanical time superquick
API-T armor-piercing incendiary—tracer	NATO North Atlantic Treaty Organization
AT antitank	No number
BD base detonating	PD point detonation
BDM bunker defeat munition	PETN pentaerythritol tetranitrate
BE Base ejection	RAAM remote anti-armor mine
Cal caliber	RAAM-L Remote Anti-Armor Mine-Long Delay
DAM demolition attack munition	RAAMS remote anti-armor mine system
DODIC Department of Defense Identification Code	RADAM Remote Area Denial Artillery Munition
DPICM Dual-purpose improved Conventional Munition	rd rounds
HD Distilled Mustard Gas	SD self-destruct
HC hexachloroethane zinc oxide powdered aluminum	sec second
HE high explosive	SLAM selectable lightweight attack munition
HEAT high-explosive antitank	TD-T Target Detonation-Tracer
HEAT-MP high-explosive antitank-multipurpose	TH-3 Thermite-3
HEAT-MP-T high-explosive antitank-multipurpose—tracer	TNT trinitrotoluene
HEAT-SD high-explosive antitank-self-destruct	TOW tube-launched, optically tracked, wire-guided
HEAT-T high-explosive antitank—tracer	TP-T target practice tracer
HEDP high explosive dual purpose	w with
HEI high-explosive incendiary	WB whit bag
HEI-T high-explosive incendiary—tracer	WDU Warhead Detonation Unit
HEI/TP-T high explosive incendiary-target practice—tracer	WHD warhead
HEI-T-SD high-explosive incendiary—tracer self-destruct	WP white phosphorous
HEP-T high-explosive plastic tracer	WP-T white phosphorous-tracer
HERA high explosive rocket assisted	
IM Insensitive Munition	
in inch	
Ir infrared	

Table 1-4. Missile rigging table

<i>DODIC Department of Defense Identification Code</i>	<i>NSN National Stock Number</i>	<i>Item</i>	<i>FM/TO</i>	<i>Type of Airdrop</i>
1427-PL23 1427-PM80	1427-00-163- 8959 1427-01-273- 1228	Guided Missile and Launcher Surface Attack (Dragon & Dragon II)	TM 4-48.15 TO 13C7-1-171	Low-Velocity Platform & A-22
1427-PL34 1427-PL53 1427-PL64	1427-01-422- 7617 1427-01-453- 7226 1427-01-475- 8172	Guided Missile, Javelin in Aluminum Round Shipping & Storage Container Guided Missile, Javelin in Low Cost Round Shipping & Storage Container	TM 4-48.15 TO 13C7-1-171	Low-Velocity A7A/A-21 A-22 & Platform
1410-PA66 1410-PD62 1410-PE96 1410-PV47 1410-PV83 1410-PU08 1410-PV18 1410-PV82 1410-PU07	1410-00-087- 1521 1410-01-229- 9948 1410-01-300- 0254 1410-01-313- 5367 1410-01-370- 2288 1410-01-379- 8253 1410-01-322- 5333 1410-01-370- 2289 1410-01-379- 8244	Guided Missile Surface Attack (Tow, Tow 2A, Tow 2B, Tow Bunker Buster)	TM 4-48.17 TO 13C7-1-111 or TM 4-48.15 TO 13C7-1-171	Low-Velocity Platform
1425-PJ02 1425-PJ04	1425-01-024- 9982 1425-01-230- 8785	Guided Missile, Intercept, Aerial (Stinger)	TM 4-48.15 TO 13C7-1-171	Low-Velocity A7A/A-21 A-22 & Platform
1410-PB82	1410-00-987- 9432	Guided Missile, Heat, 140millimeter AT, M22B	TM 4-48.17 TO 13C7-1-111 or TM 4-48.15 TO 13C7-1-171	Low-Velocity A7A/A-21

Table 1-5. Additional certified munitions table

<i>DODIC Department of Defense Identification Code</i>	<i>NSN National Stock Number</i>	<i>Item</i>	<i>TM/TO</i>	<i>Type of Airdrop</i>
1375-MM15	1375-01-380-1350	Selectable Lightweight Attack Munition (SLAM), M2, in reusable environmental plastic packs or in PA19 ammunition container	TM 4-48.03/ MCRP 4-11.3C/ TO 13C7-1-11, Chapter 9, Sec I	Low-Velocity A-22
1375-MM16	1375-01-380-1378	Demolition Attack Munition (DAM), M3, in reusable environmental plastic packs or in PA19 ammunition container	TM 4-48.03/ MCRP 4-11.3C/ TO 13C7-1-11, Chapter 9, Sec I	Low-Velocity A-22
*1375-MM15	1375-01-380-1350	Selectable Lightweight Attack Munition (SLAM), M2, in PA19 ammunition container	TM 4-48.03/ MCRP 4-11.3C/ TO 13C7-1-11, Chapter 9, Sec II	High-Velocity A-22
*1375-MM16	1375-01-380-1378	Demolition Attack Munition (DAM), M3, in PA19 ammunition container	TM 4-48.03/ MCRP 4-11.3C/ TO 13C7-1-11, Chapter 9, Sec II	High-Velocity A-22
1375-MM15	1375-01-380-1350	Selectable Lightweight Attack Munition (SLAM), M2, in reusable environmental plastic packs or in PA19 ammunition container	TM 4-48.03/ MCRP 4-11.3C/ TO 13C7-1-11, Chapters 3-6, Sec I & II	Low-Velocity A7A/A-21
1375-MM16	1375-01-380-1378	Demolition Attack Munition (DAM), M3, in reusable environmental plastic packs or in PA19 ammunition container	TM 4-48.03/ MCRP 4-11.3C/ TO 13C7-1-11, Chapters 3-6, Sec I & II	Low-Velocity A7A/A-21
1375-MM15	1375-01-380-1350	Selectable Lightweight Attack Munition (SLAM), M2, in PA19 ammunition container	TM 4-48.03/ MCRP 4-11.3C/ TO 13C7-1-11, Chapters 4 & 6, Sec III	High-Velocity A7A/A-21
1375-MM16	1375-01-380-1378	Demolition Attack Munition (DAM), M3, in PA19 ammunition container	TM 4-48.03/ MCRP 4-11.3C/ TO 13C7-1-11, Chapters 4 & 6, Sec III	High-Velocity A7A/A-21

Table 1-5. Additional certified munitions table (continued)

<i>DODIC</i>	<i>NSN</i>	<i>Item</i>	<i>TM/TO</i>	<i>Type of Airdrop</i>
1375-ML45	1375-01-415-1229	Holder, Blasting Cap, M9	TM 4-48.03/	Low-Velocity
1375-ML47	1375-01-415-1232	Cap, Blasting, Nonelectric, 30 ft (foot) Shock Tube, M11 (1.4B)	MCRP 4-11.3C/	A-22
1375-MN02	1375-01-415-1230	Cap, Blasting, Nonelectric, 500 foot Shock Tube, M12 (1.4S)	TO 13C7-1-11,	
1375-MN03	1375-01-415-1231	Cap, Blasting, Nonelectric, 1000 foot Shock Tube, M13 (1.4S)	Chapter 9, Sec I	
1375-MN06	1375-01-415-1233	Cap, Blasting, Nonelectric, Delay, M14 (1.4S)		
1375-MN07	1375-01-415-1234	Cap, Blasting, Nonelectric, Delay, M15		
1375-MN08	1375-01-415-1235	Ignitor, Time Blasting Fuze, M81, w/Shock Tube Capability (1.4S)		
1375-MN39	1375-01-449-9601	Cap Blasting, Non-Electric, M16		
1375-MN41	1375-01-449-9602	Cap, Blasting, Non-Electric, M18		
1375-MN86	1375-01-494-6939	Cap, Blasting, Dual, In-Line Initiator, Non-Electric, 200-ft Minitube, M19		
1375-MN87	1375-01-494-6929	Trainer, Inert (for M19), M20		
1375-MN88	1375-01-494-6945	Cap, Blasting, In-Line Initiator, Non-Electric, 500-ft Minitube, M21		
1375-MN89	1375-01-494-6934	Trainer, Inert (for M21 and M23), M22		
1375-MN90	1375-01-494-6941	Cap, Blasting, In-Line Initiator, Non-Electric, 1000-ft Minitube, M23		
1375-ML45	1375-01-415-1229	Holder, Blasting Cap, M9	TM 4-48.03/	Low-Velocity
1375-ML47	1375-01-415-1232	Cap, Blasting, Nonelectric, 30 foot Shock Tube, M11 (1.4B) Cap,	MCRP 4-11.3C/	A7A/A-21
1375-MN02	1375-01-415-1230	Blasting, Nonelectric, 500 foot Shock Tube, M12 (1.4S)	TO 13C7-1-11,	
1375-MN03	1375-01-415-1231	Cap, Blasting, Nonelectric, 1000 foot Shock Tube, M13 (1.4S)	Chapters 3-6,	
1375-MN06	1375-01-415-1233	Cap, Blasting, Nonelectric, Delay, M14 (1.4S)	Sec I & II	
1375-MN07	1375-01-415-1234	Cap, Blasting, Nonelectric, Delay, M15		
1375-MN08	1375-01-415-1235	Ignitor, Time Blasting Fuze, M81, w/Shock Tube Capability (1.4S)		
1375-MN39	1375-01-449-9601	Cap Blasting, Non-Electric, M16		
1375-MN41	1375-01-449-9602	Cap, Blasting, Non-Electric, M18		
1375-MN86	1375-01-494-6939	Cap, Blasting, Dual, In-Line Initiator, Non-Electric, 200-ft Minitube, M19		
1375-MN87	1375-01-494-6929	Trainer, Inert (for M19), M20		
1375-MN88	1375-01-494-6945	Cap, Blasting, In-Line Initiator, Non-Electric, 500-ft Minitube, M21		
1375-MN89	1375-01-494-6934	Trainer, Inert (for M21 and M23), M22		
1375-MN90	1375-01-494-6941	Cap, Blasting, In-Line Initiator, Non-Electric, 1000-ft Minitube, M23		

Table 1-5. Additional certified munitions table (continued)

<i>DODIC</i>	<i>NSN</i>	<i>Item</i>	<i>TM/TO</i>	<i>Type of Airdrop</i>
1375-ML45	1375-01-415-1229	Holder, Blasting Cap, M9	TM 4-48.16/	Low-Velocity A-22
1375-ML47	1375-01-415-1232	Cap, Blasting, Nonelectric, 30 foot Shock Tube, M11 (1.4B) Cap, Blasting, Nonelectric, 500 foot Shock Tube, M12 (1.4S)	MCRP 4-11.3B/ TO 13C7-18-41, Figure 3-90 and	
1375-MN02	1375-01-415-1230	Cap, Blasting, Nonelectric, 1000 foot Shock Tube, M13 (1.4S)	TM 4-48.03/ MCRP 4-11.3C/ TO 13C7-1-11, Chapter 9, Sec II	
1375-MN03	1375-01-415-1231	Cap, Blasting, Nonelectric, Delay, M14 (1.4S)		
1375-MN06	1375-01-415-1233	Cap, Blasting, Nonelectric, Delay, M15		
1375-MN07	1375-01-415-1234	Ignitor, Time Blasting Fuze, M81, w/Shock Tube Capability (1.4S)		
1375-MN08	1375-01-415-1235	Cap Blasting, Non-Electric, M16		
1375-MN39	1375-01-449-9601	Cap, Blasting, Non-Electric, M18		
1375-MN41	1375-01-449-9602	Cap, Blasting, Dual, In-Line Initiator, Non-Electric, 200-ft Minitube, M19		
1375-MN86	1375-01-494-6939	Trainer, Inert (for M19), M20		
1375-MN87	1375-01-494-6929	Cap, Blasting, In-Line Initiator, Non-Electric, 500-ft Minitube, M21		
1375-MN88	1375-01-494-6945	Trainer, Inert (for M21 and M23), M22		
1375-MN89	1375-01-494-6934	Cap, Blasting, In-Line Initiator, Non-Electric, 1000-ft Minitube, M23		
1375-MN90	1375-01-494-6941			
1375-ML45	1375-01-415-1229	Holder, Blasting Cap, M9	TM 4-48.16/	High-Velocity A7A/A-21
1375-ML47	1375-01-415-1232	Cap, Blasting, Nonelectric, 30 foot Shock Tube, M11 (1.4B) Cap, Blasting, Nonelectric, 500 foot Shock Tube, M12 (1.4S)	MCRP 4-11.3B/ TO 13C7-18-41, Figure 3-55 and	
1375-MN02	1375-01-415-1230	Cap, Blasting, Nonelectric, 1000 foot Shock Tube, M13 (1.4S)	TM 4-48.03/ MCRP 4-11.3B/ TO 13C7-18-41, Chapters 4 & 6, Sec III	
1375-MN03	1375-01-415-1231	Cap, Blasting, Nonelectric, Delay, M14 (1.4S)		
1375-MN06	1375-01-415-1233	Cap, Blasting, Nonelectric, Delay, M15		
1375-MN07	1375-01-415-1234	Ignitor, Time Blasting Fuze, M81, w/Shock Tube Capability (1.4S)		
1375-MN08	1375-01-415-1235	Cap Blasting, Non-Electric, M16		
1375-MN39	1375-01-449-9601	Cap, Blasting, Non-Electric, M18		
1375-MN41	1375-01-449-9602	Cap, Blasting, Dual, In-Line Initiator, Non-Electric, 200-ft Minitube, M19		
1375-MN86	1375-01-494-6939	Trainer, Inert (for M19), M20		
1375-MN87	1375-01-494-6929	Cap, Blasting, In-Line Initiator, Non-Electric, 500-ft Minitube, M21		
1375-MN88	1375-01-494-6945	Trainer, Inert (for M21 and M23), M22		
1375-MN89	1375-01-494-6934	Cap, Blasting, In-Line Initiator, Non-Electric, 1000-ft Minitube, M23		
1375-MN90	1375-01-494-6941			

Table 1-5. Additional certified munitions table (continued)

<i>DODIC</i>	<i>NSN</i>	<i>Item</i>	<i>TM/TO</i>	<i>Type of Airdrop</i>
***1375-MM50	1375-01-325-6826	Clipped Demolition Shaped Charge M221, in the M2A1 Shipping and Storage Container	TM 4-48.03/ MCRP 4-11.3C/ TO 13C7-1-11, Chapter 9, Sec I	Low-Velocity A-22
***1375-MM50	1375-01-325-6826	Clipped Demolition Shaped Charge M221, in the M2A1 Shipping and Storage Container	TM 4-48.03/ MCRP 4-11.3C/ TO 13C7-1-11, Chapter 9, Sec II	High-Velocity A-22
***1375-MM50	1375-01-325-6826	Clipped Demolition Shaped Charge M221, in the M2A1 Shipping and Storage Container	TM 4-48.03/ MCRP 4-11.3C/ TO 13C7-1-11, Chapters 3-6, Sec I & II	Low-Velocity A7A/A-21
***1375-MM50	1375-01-325-6826	Clipped Demolition Shaped Charge M221, in the M2A1 Shipping and Storage Container	TM 4-48.03/ MCRP 4-11.3C/ TO 13C7-1-11, Chapters 4 & 6, Sec III	High-Velocity A7A/A-21
1375-MN80	1375-01-482-0476	Remote Activation Munitions System Packed in PA108 Shipping and Storage Container	TM 4-48.03/ MCRP 4-11.3C/ TO 13C7-1-11, Chapters 3-6, Sec I & II	Low-Velocity A7A/A-21
	5895-01-431-1160	Receiver, Radio, Firing, Non-electric, Blasting Cap, M17		
	1375-01-431-1156	Receiver, Radio, Firing, Electric, Blasting Cap, M16 Firing Device, Demolition, Radio Type, M152		

* 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 A7A/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.

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 TM 4-48.03/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 in this chapter.

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 TM 4-48.03/MCRP 4-11.3C/TO 13C7-1-11 along with the skid and honeycomb layout in this manual.

- When using the Centerline Vertical Restraint (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.

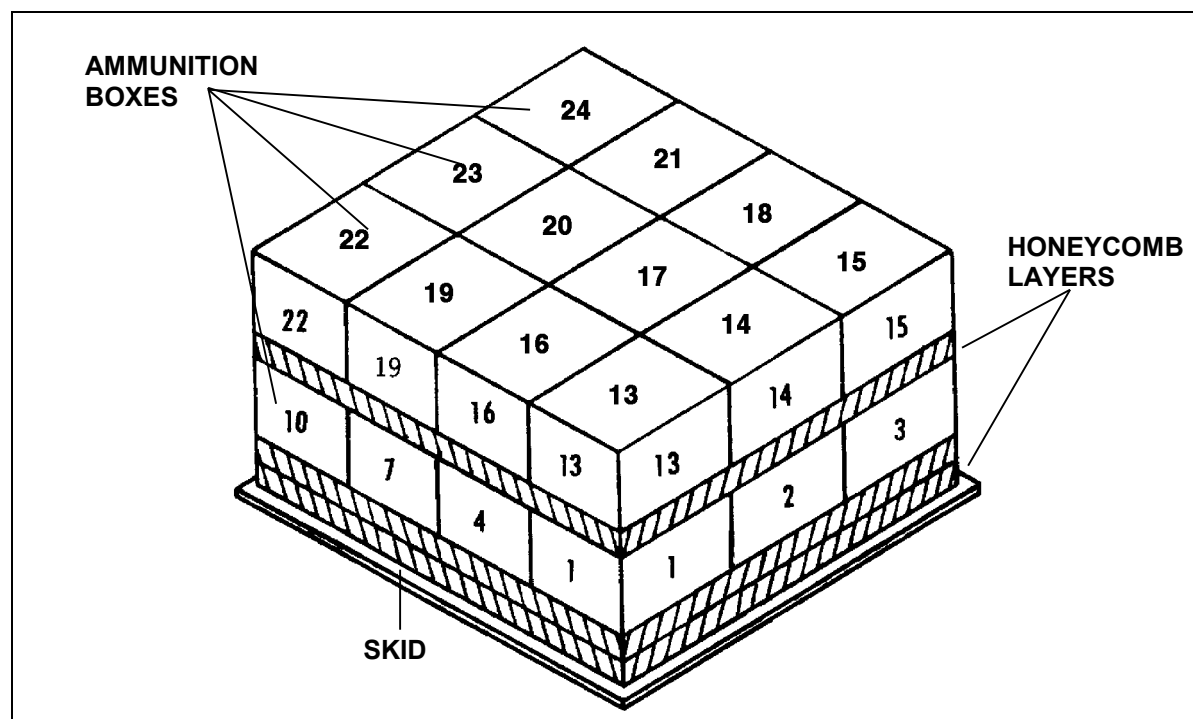
CAUTION

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 TM 4-48.03/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 TM 4-48.03/MCRP 4-11.3C/TO 13C7-1-11.



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-millimeter (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, Department of Defense Identification Code(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, 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)

.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)

Figure 2-1. Ammunition layout in an A-22 cargo bag for low-velocity airdrop (continued)

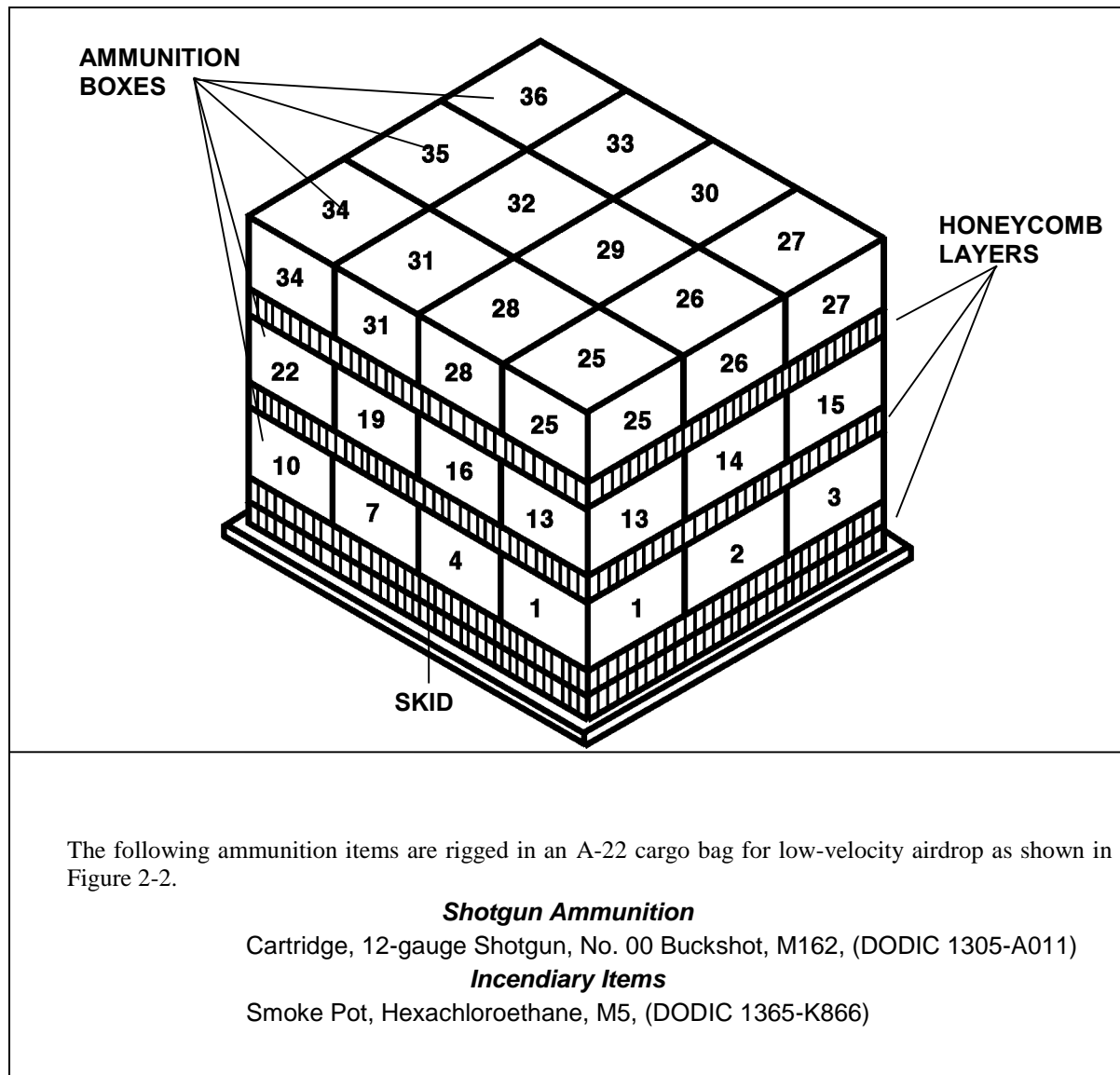
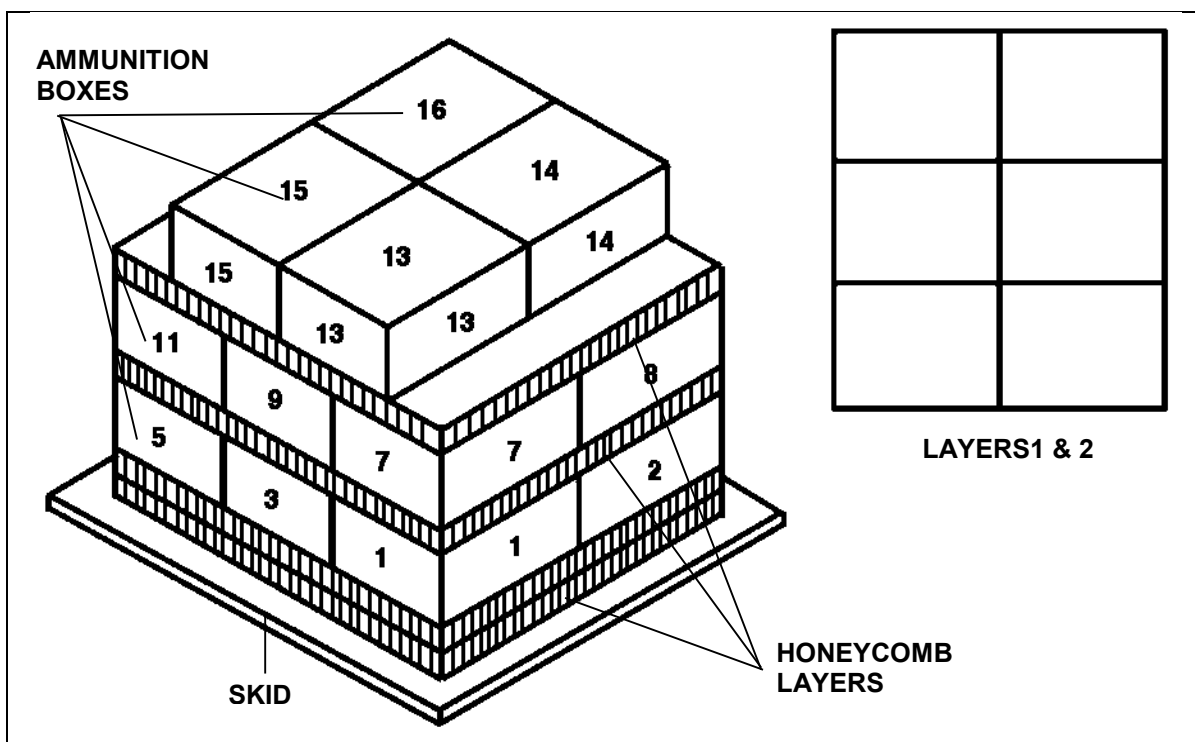


Figure 2-2. Ammunition layout in an A-22 cargo bag for low-velocity airdrop



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, 1Tracer, M276 (DODIC 1305-A257)

.30-Caliber Ammunition

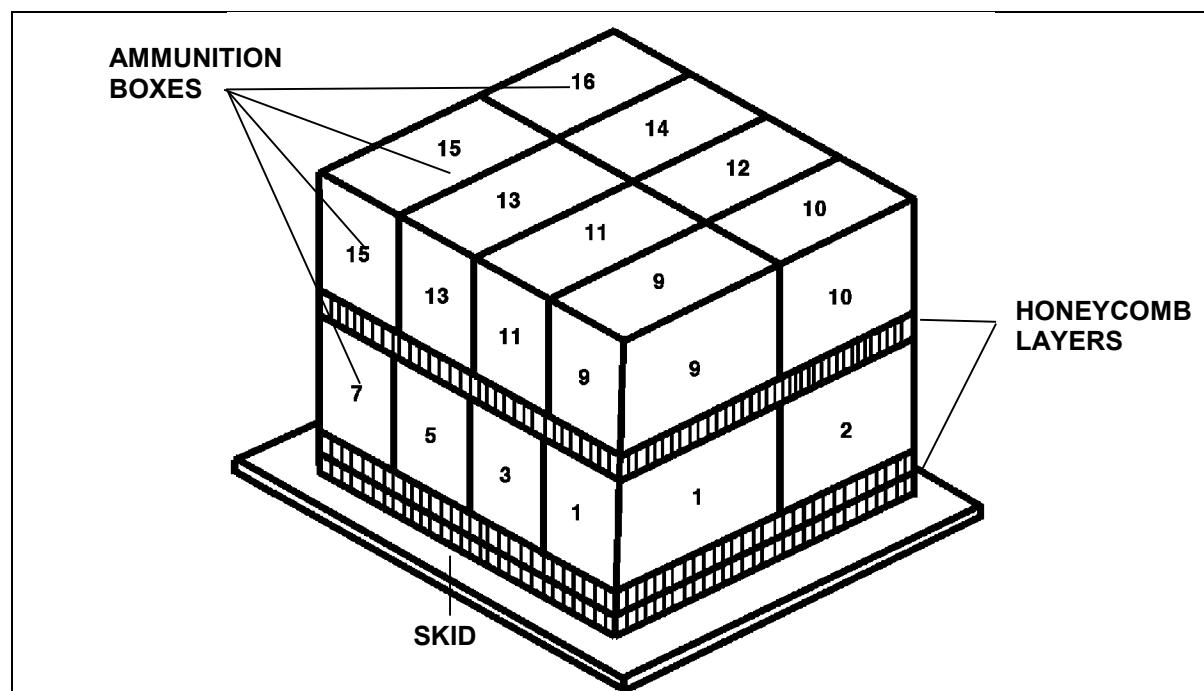
Cartridge, Cal .30, AP, API, Carton, Grade R, (DODIC 1305-A201)

Cartridge, Cal .30, AP, API, Carton, Grade MG, (DODIC 1305-A202)

.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



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)

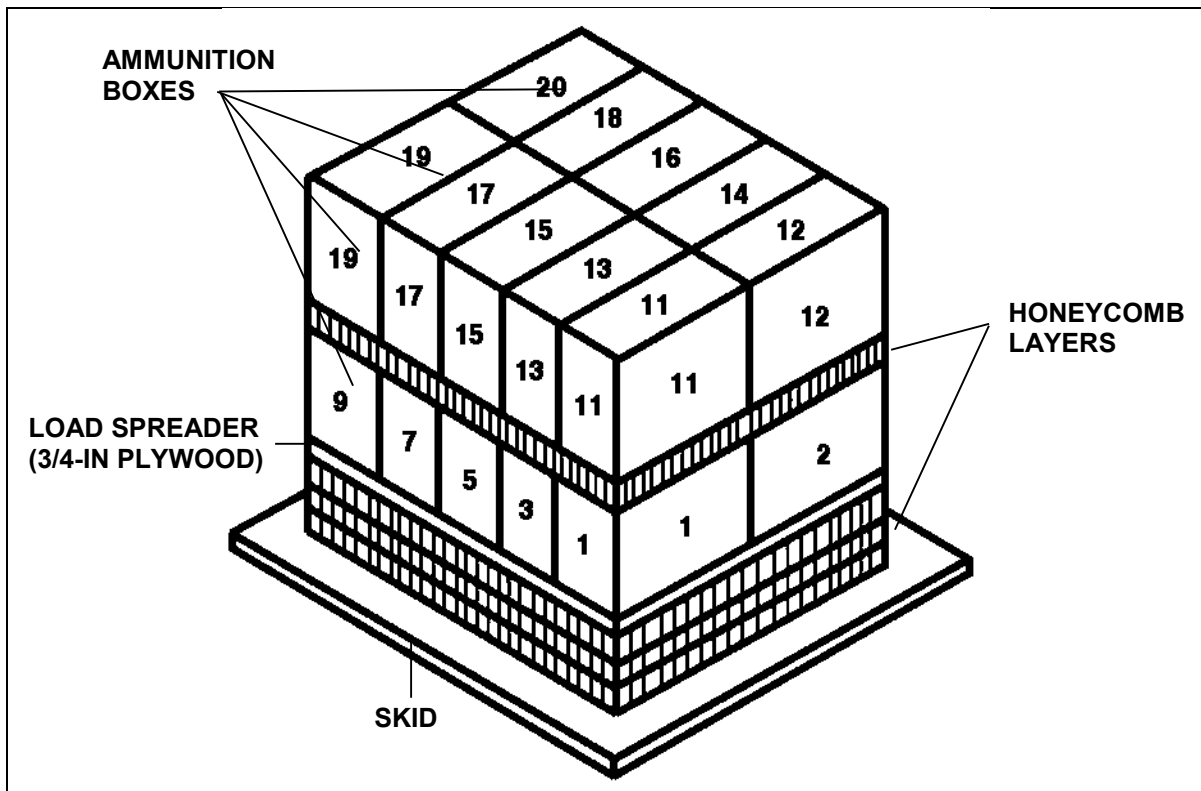
40-Millimeter Ammunition

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

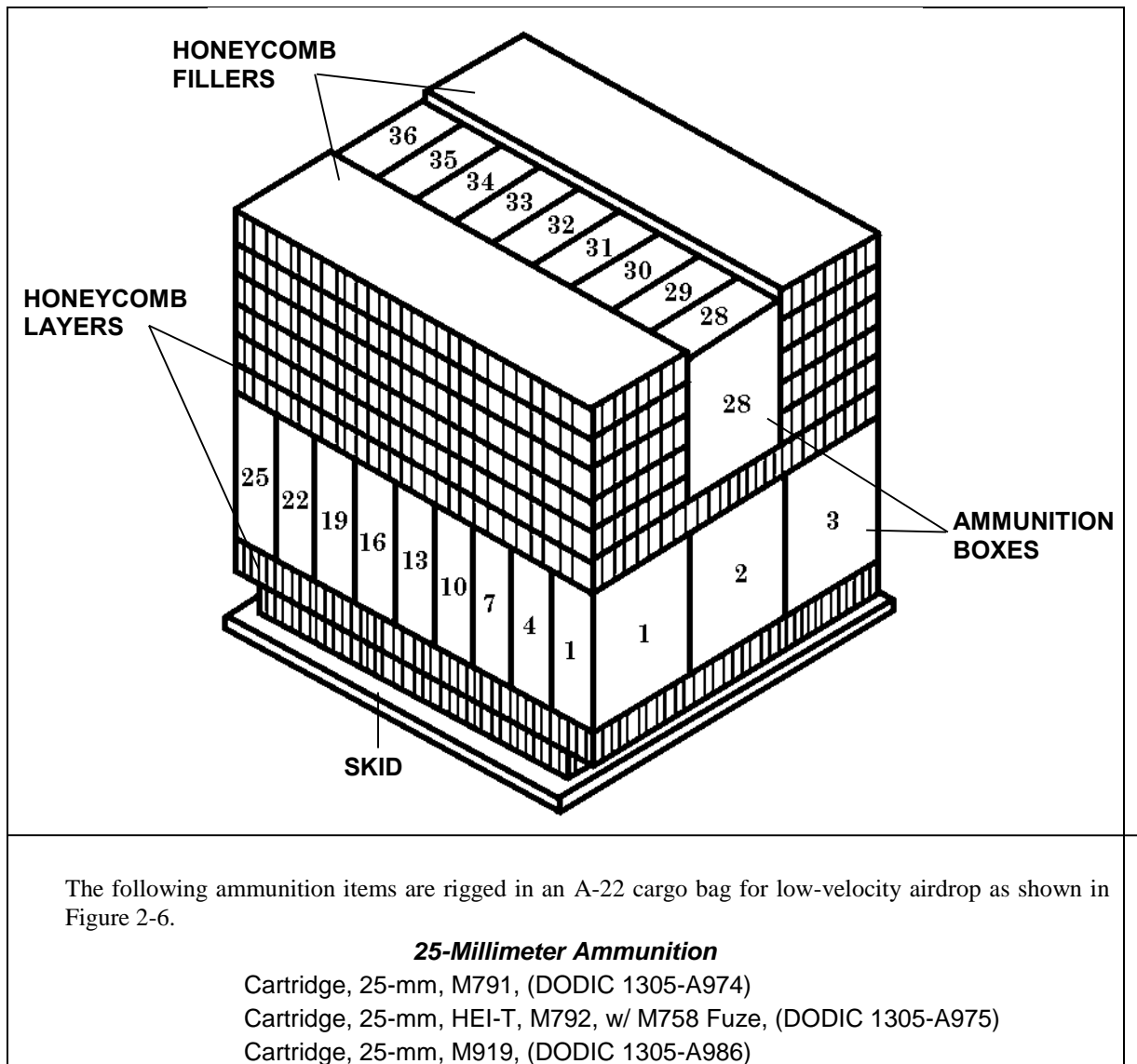


Figure 2-6. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

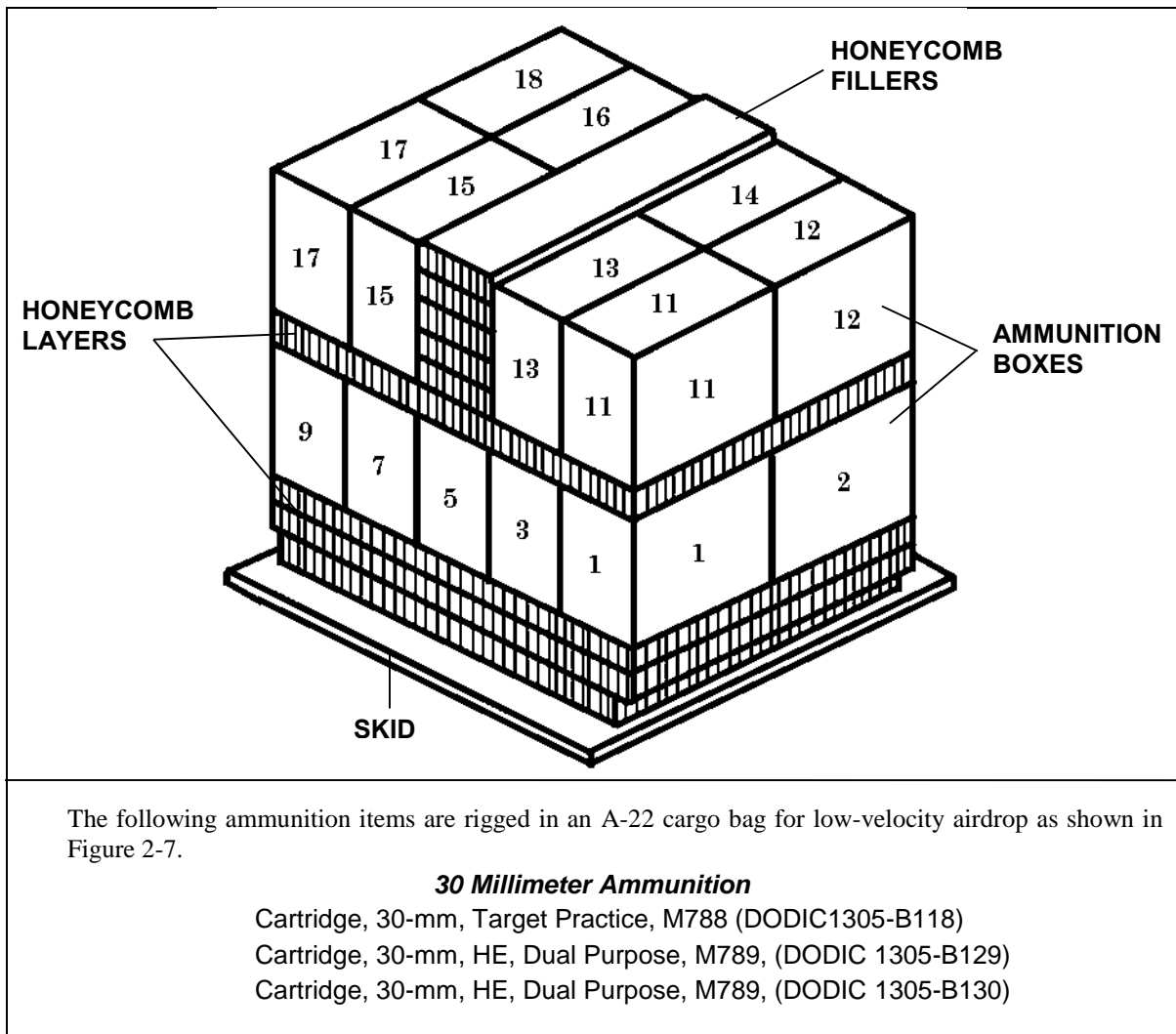


Figure 2-7. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

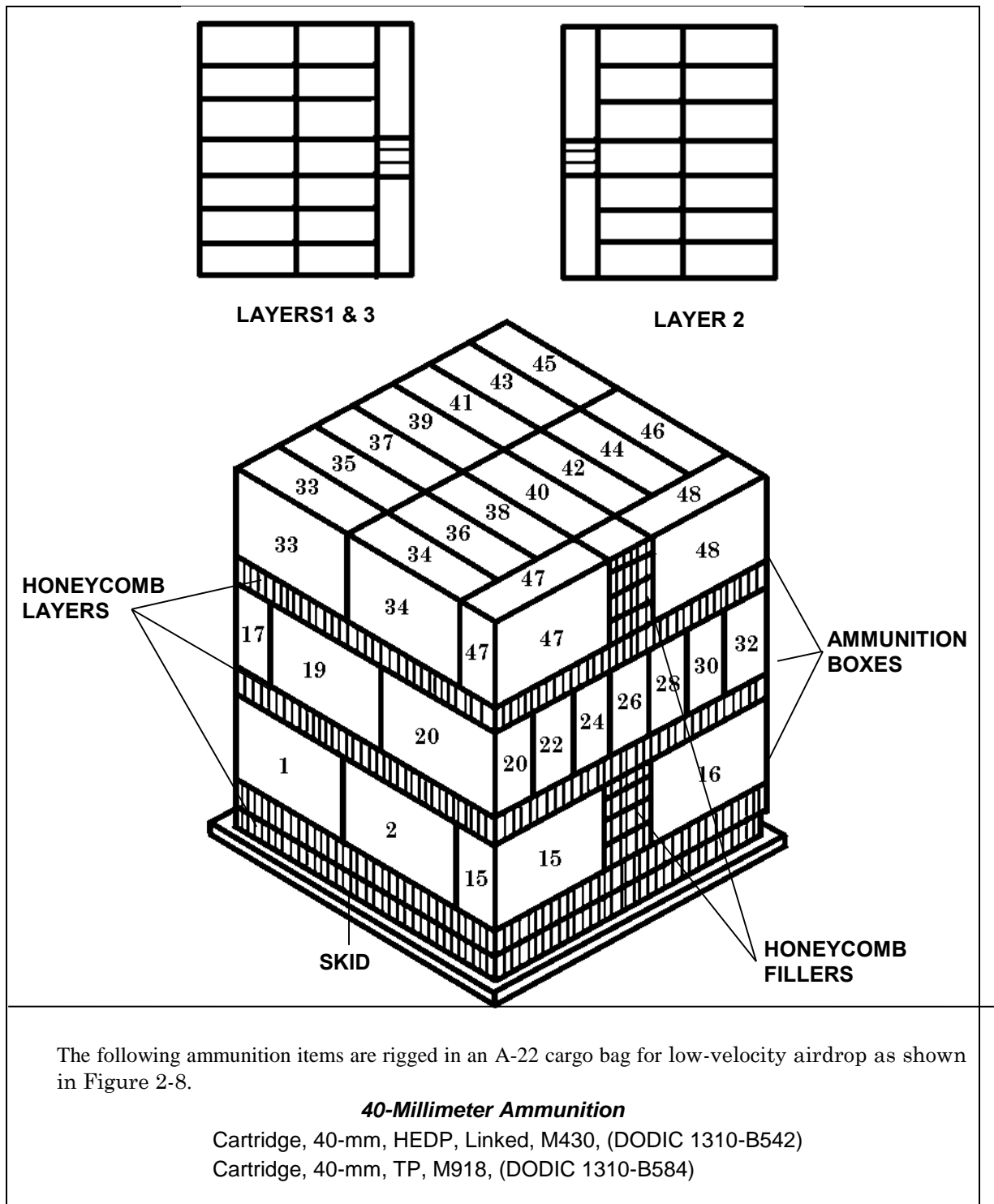
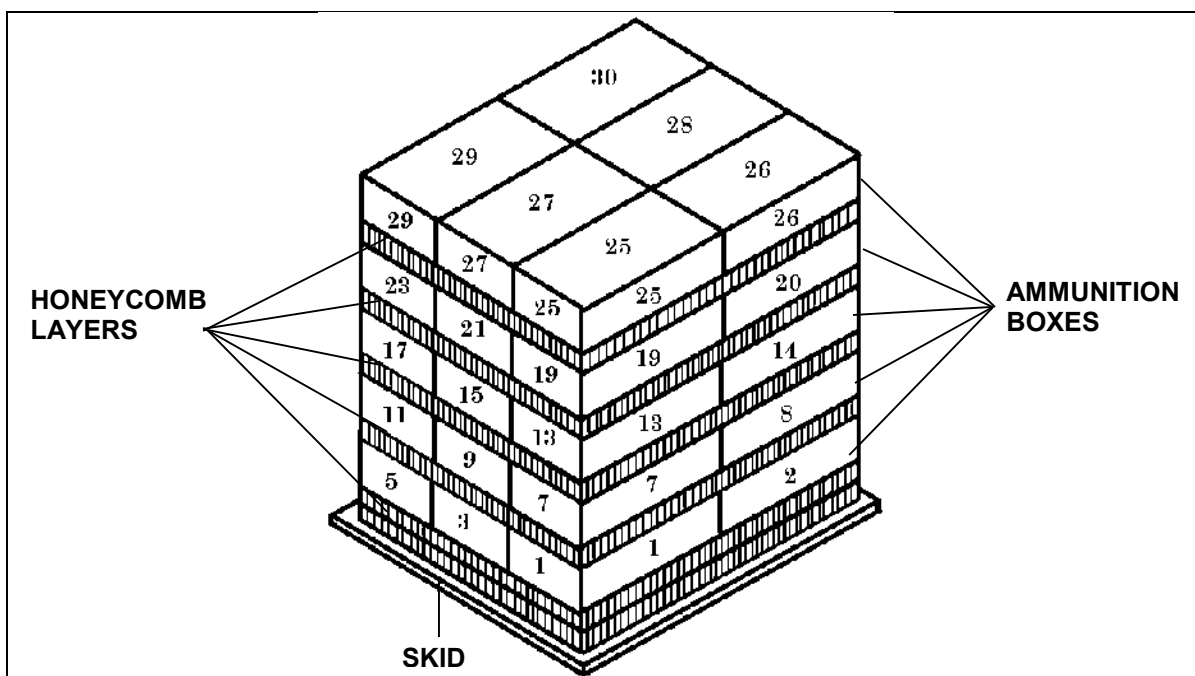


Figure 2-8. Ammunition layout in an A-22 cargo bag for low-velocity airdrop



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)

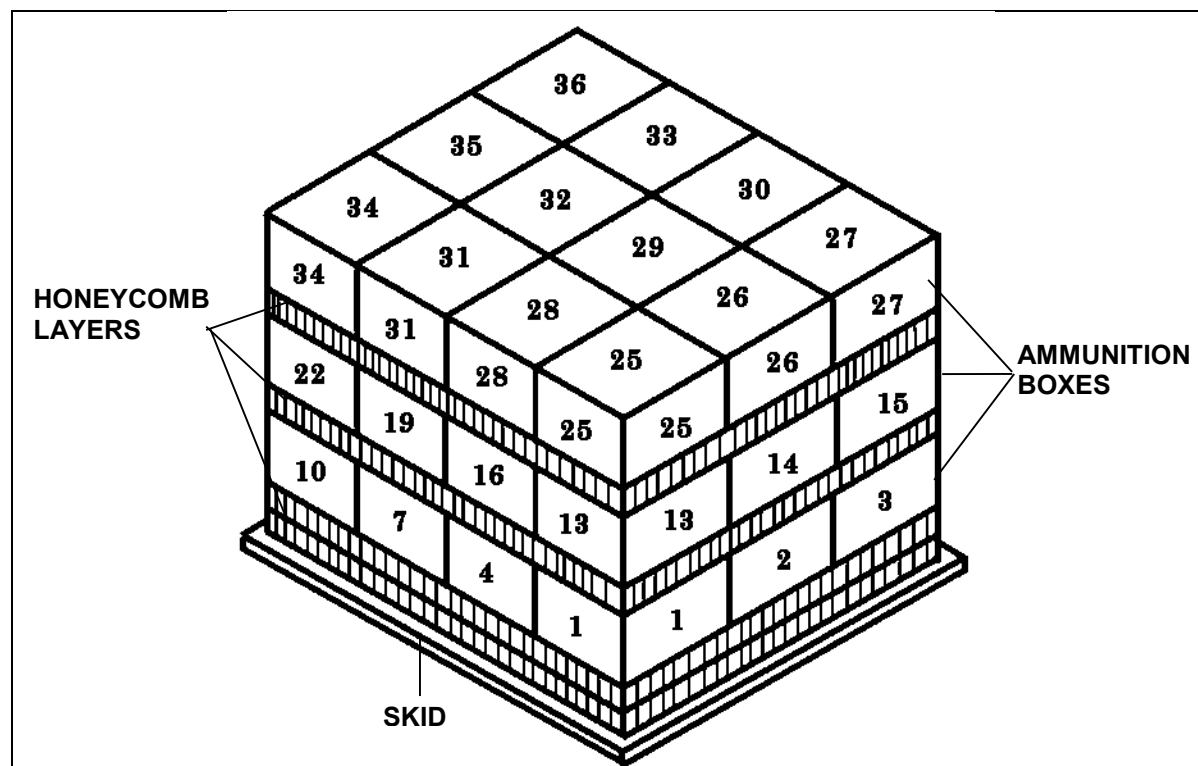
Figure 2-9. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

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)

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)

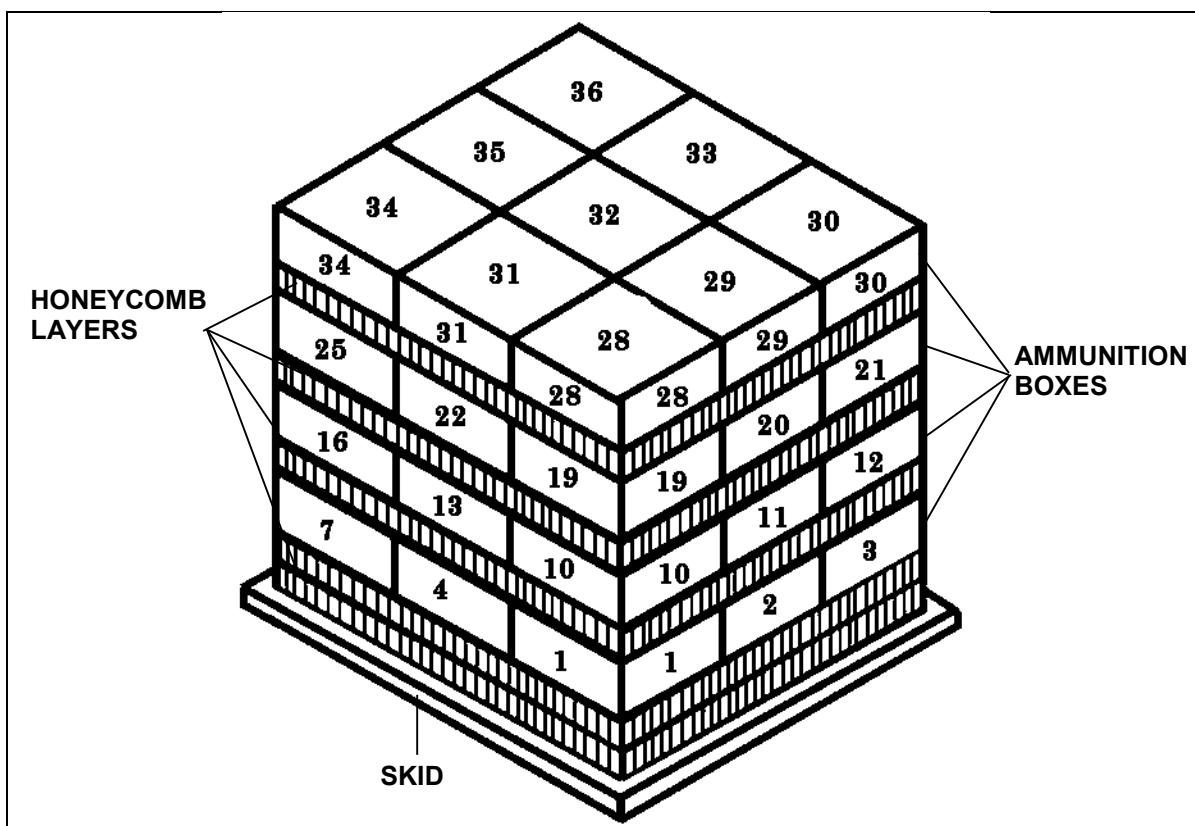
Mine, Antipersonnel, M18A1 with Accessories, (DODIC 1345-K143)

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)

Figure 2-10. 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 2-11.

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

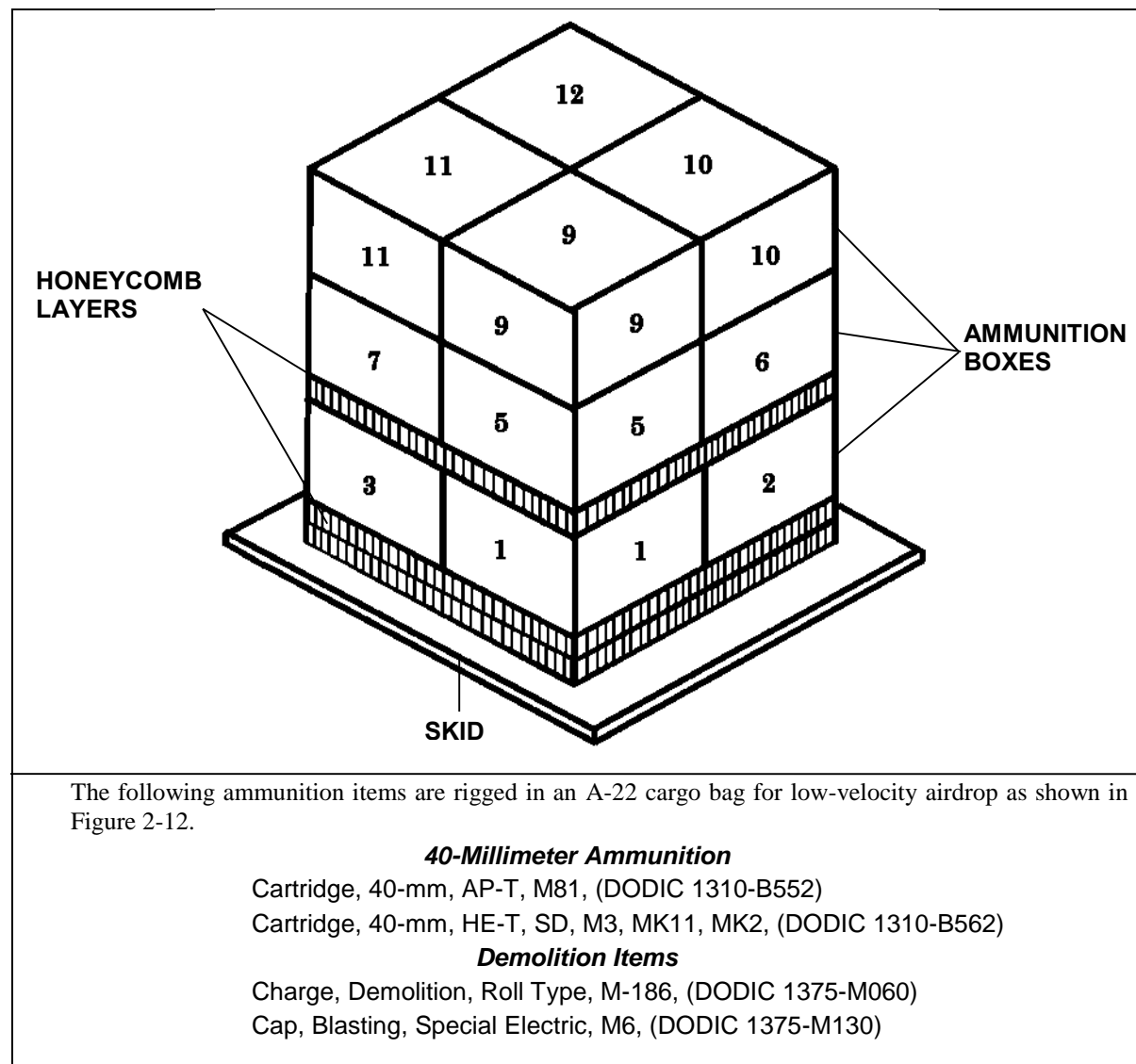
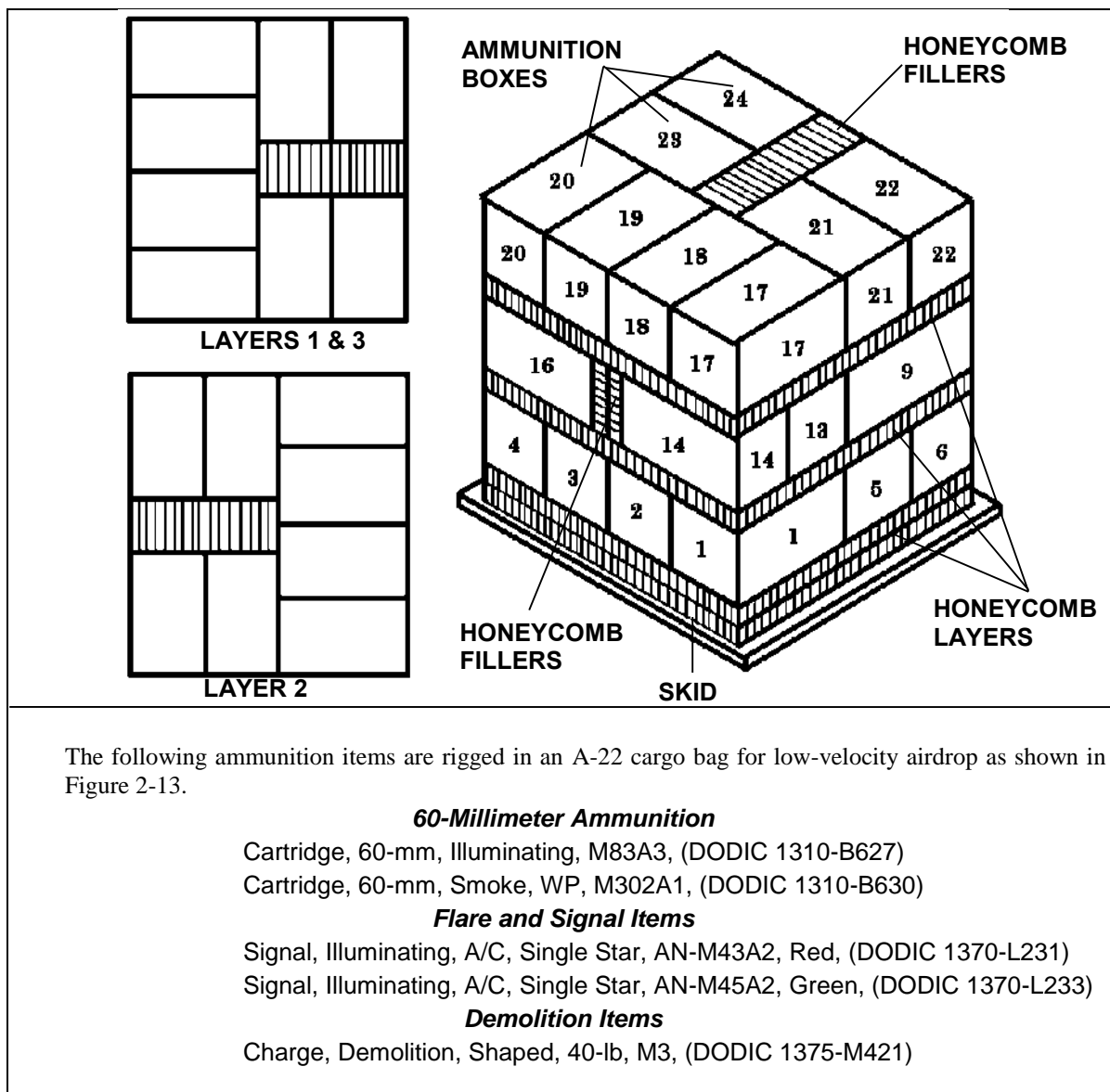


Figure 2-12. Ammunition layout in an A-22 cargo bag for low-velocity airdrop



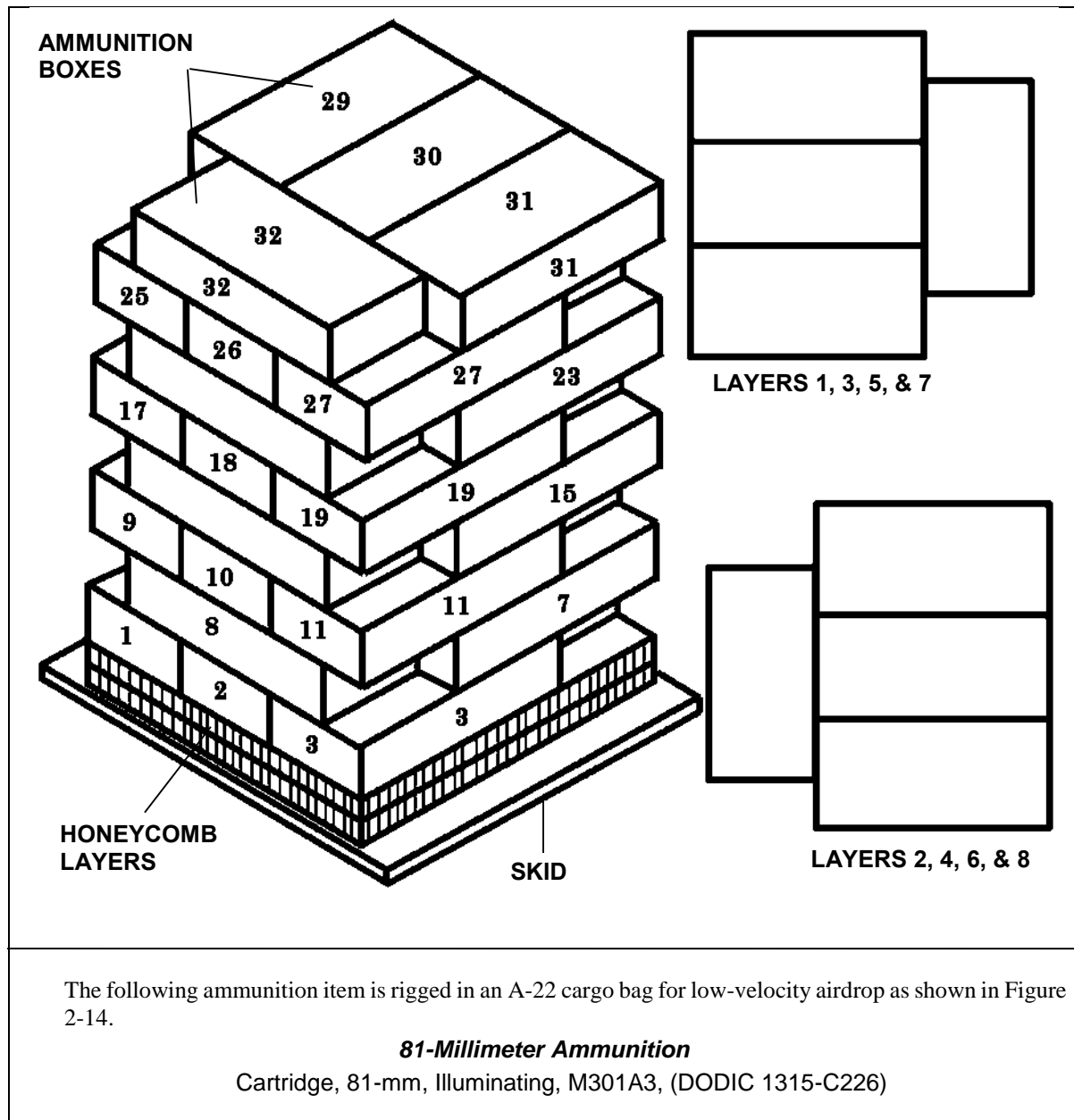
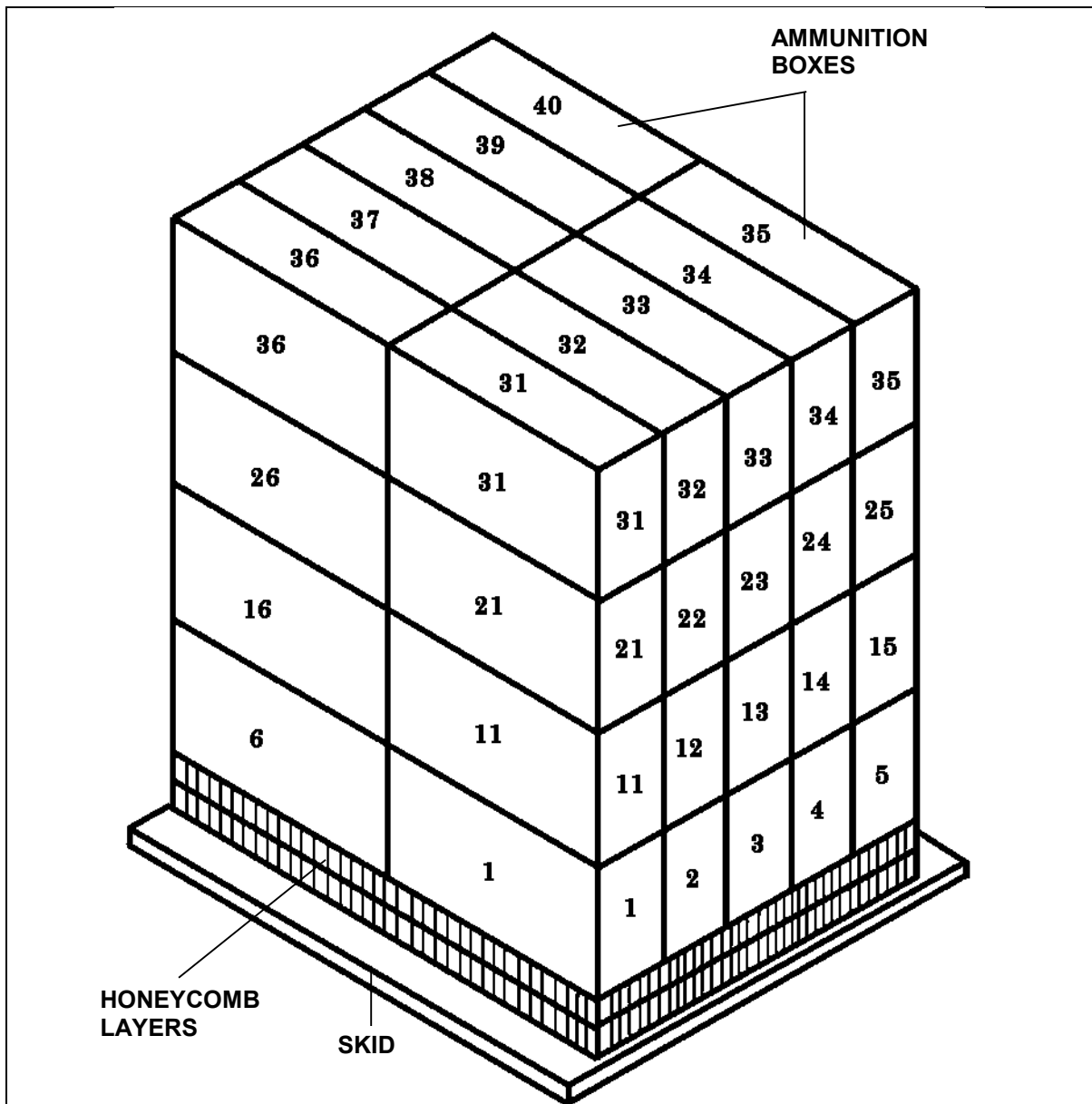


Figure 2-14. Ammunition layout in an A-22 cargo bag for low-velocity airdrop



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

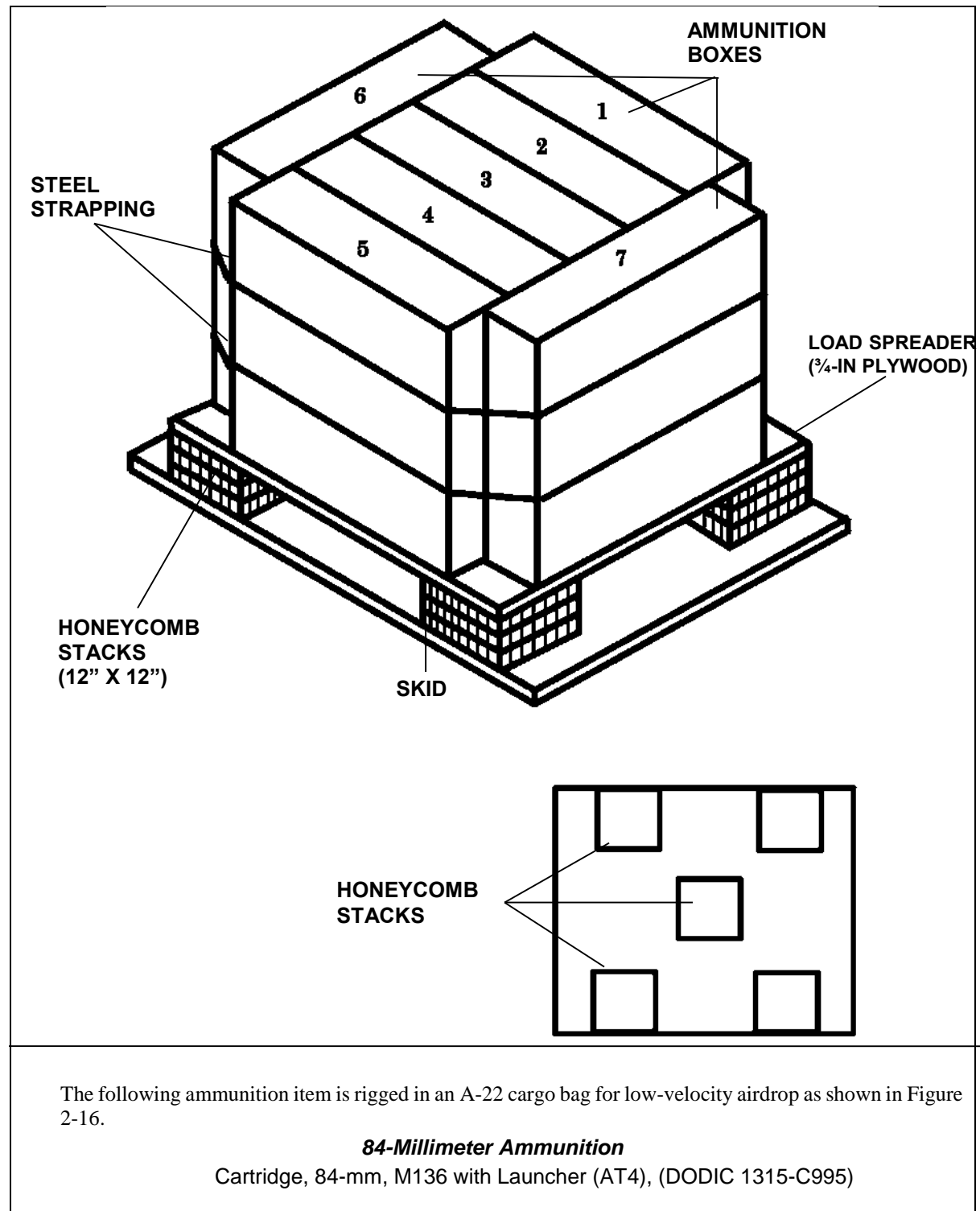
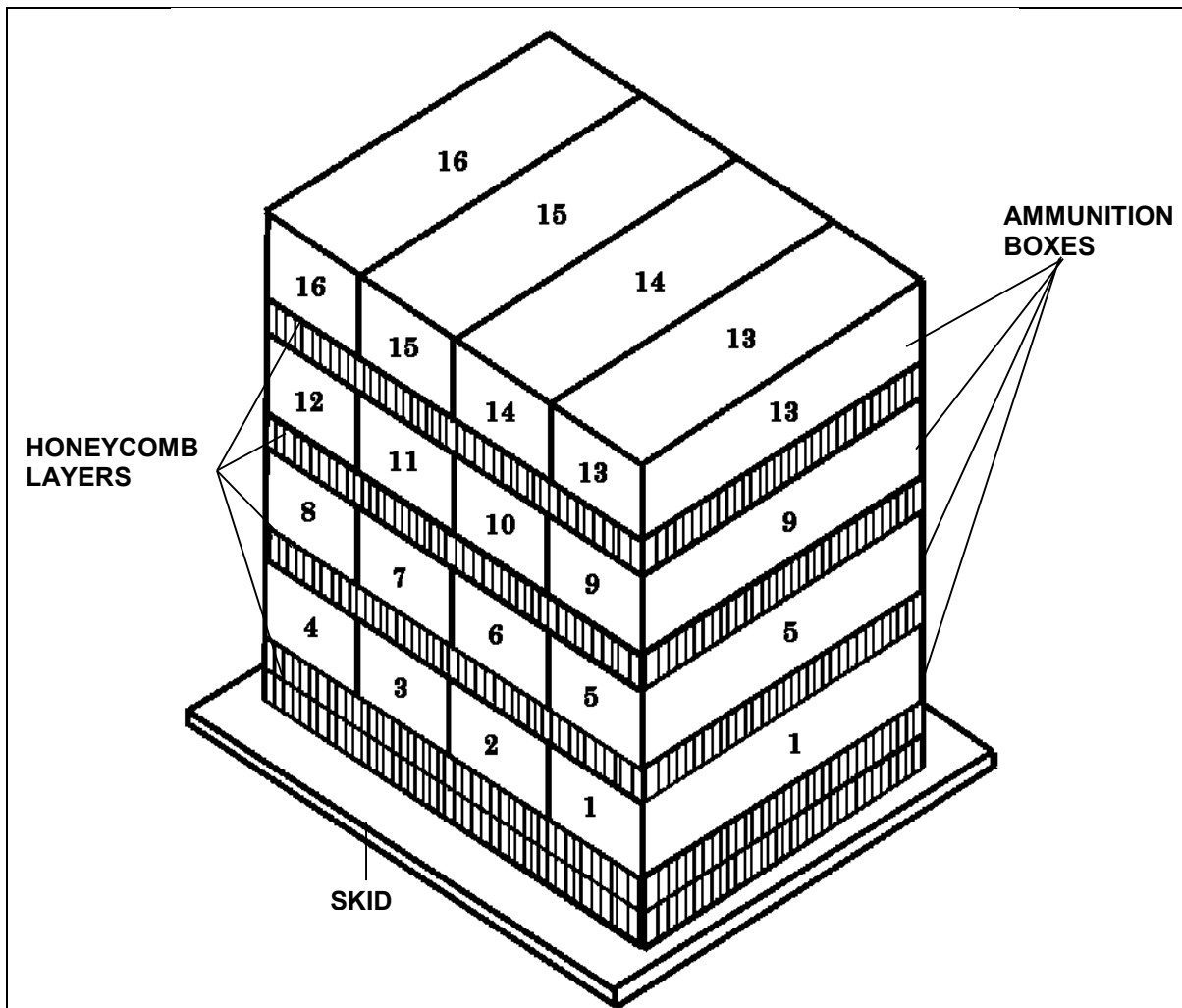


Figure 2-16. Ammunition layout in an A-22 cargo bag for low-velocity airdrop



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)

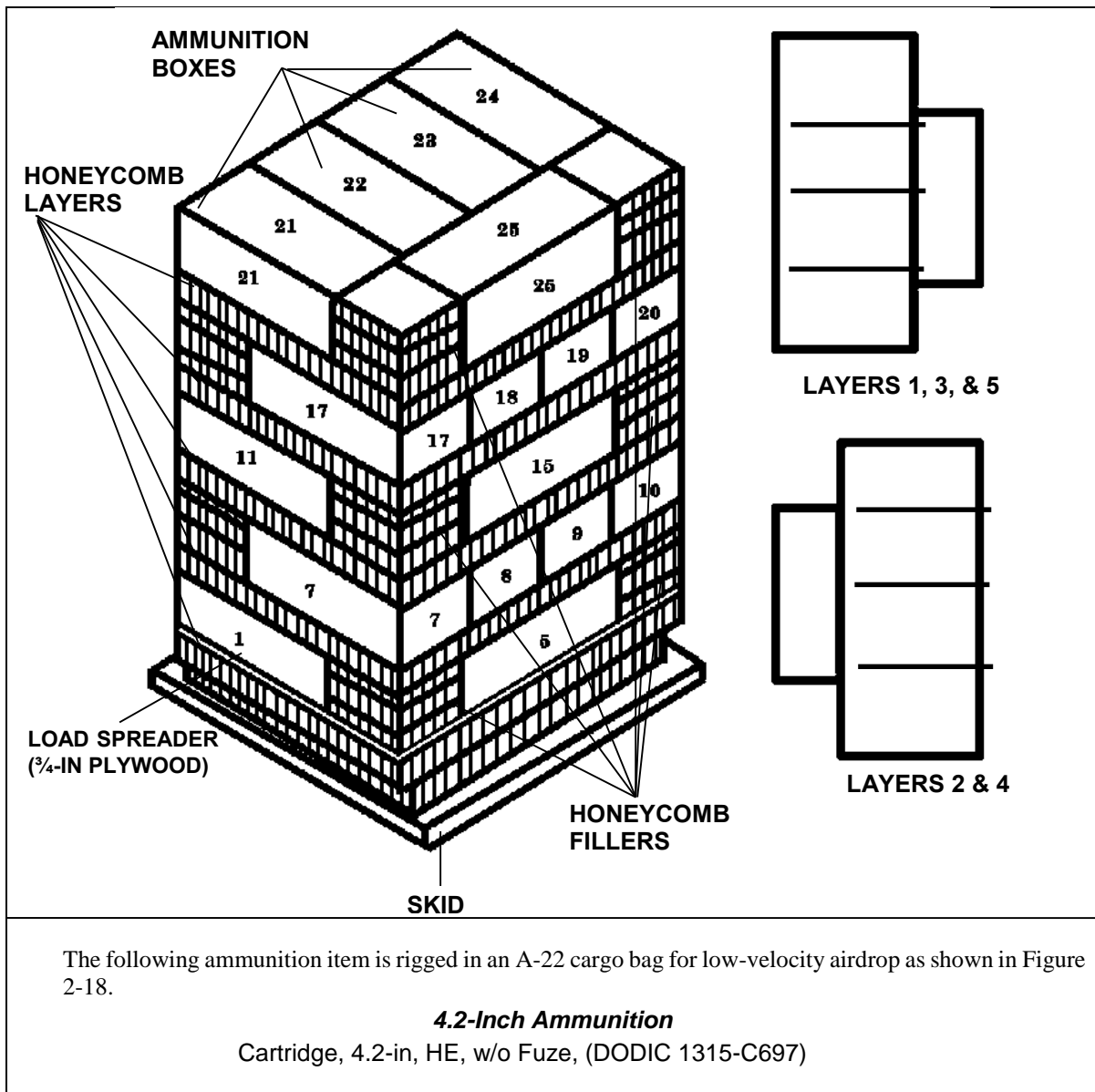


Figure 2-18. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

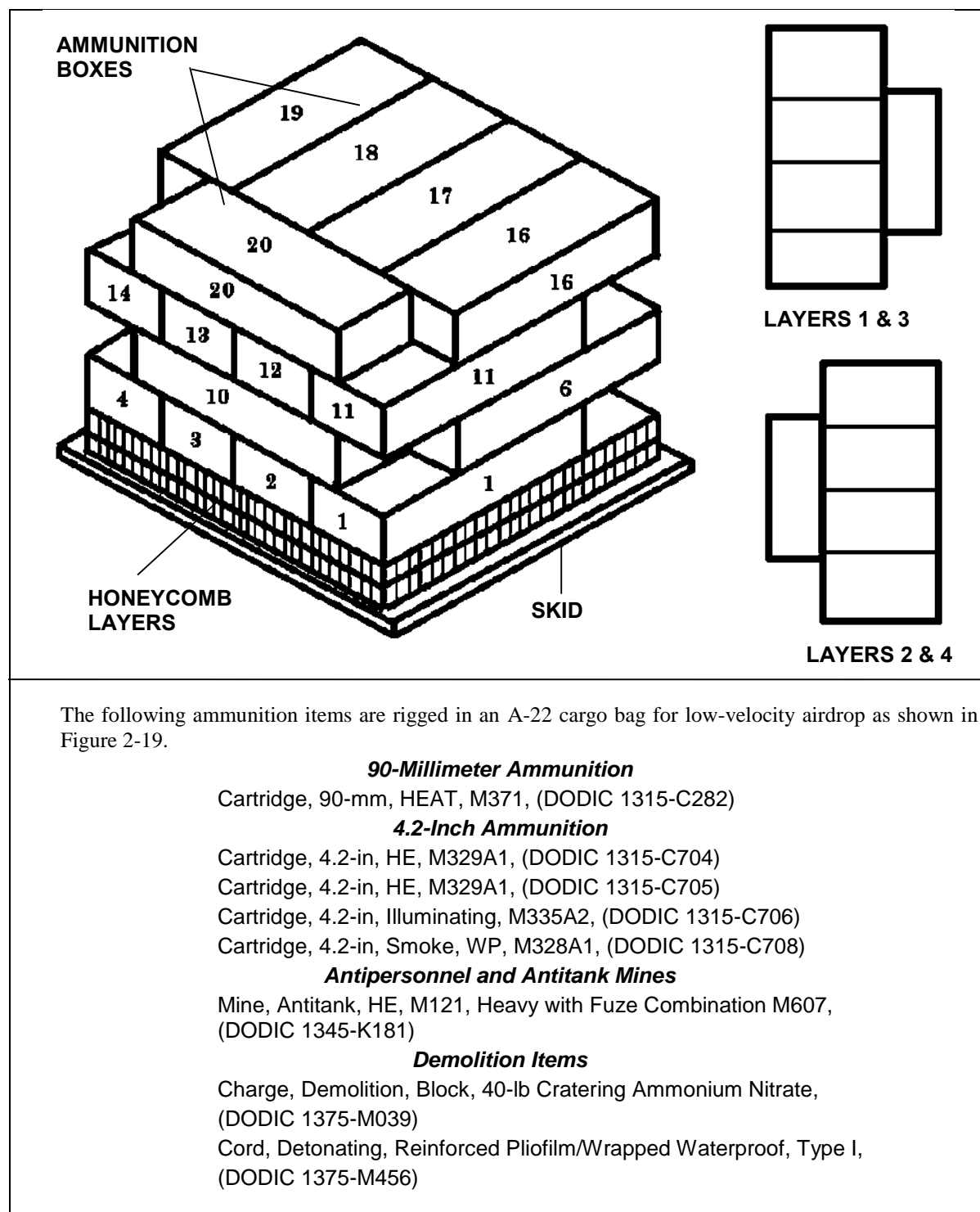


Figure 2-19. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

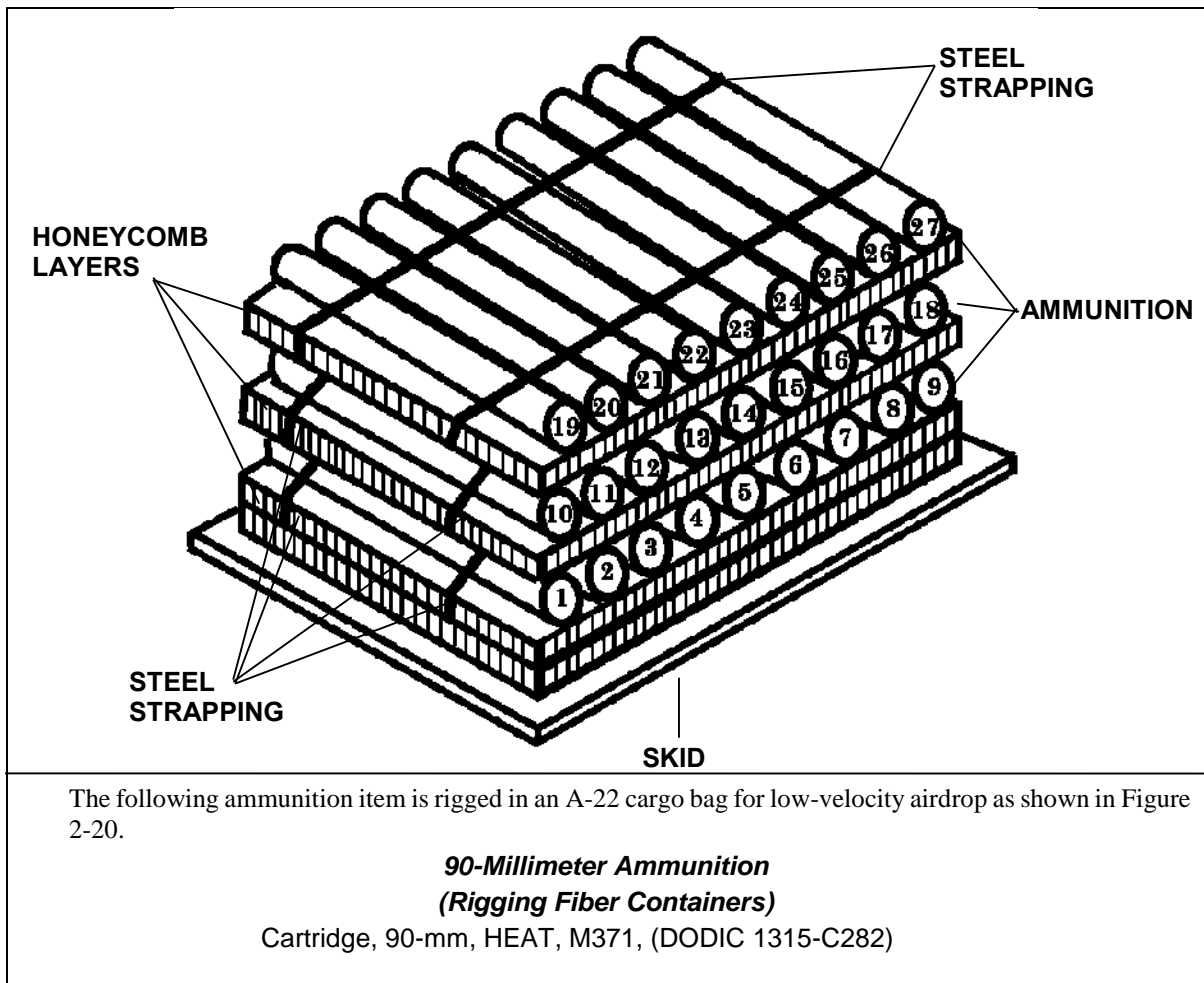


Figure 2-20. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

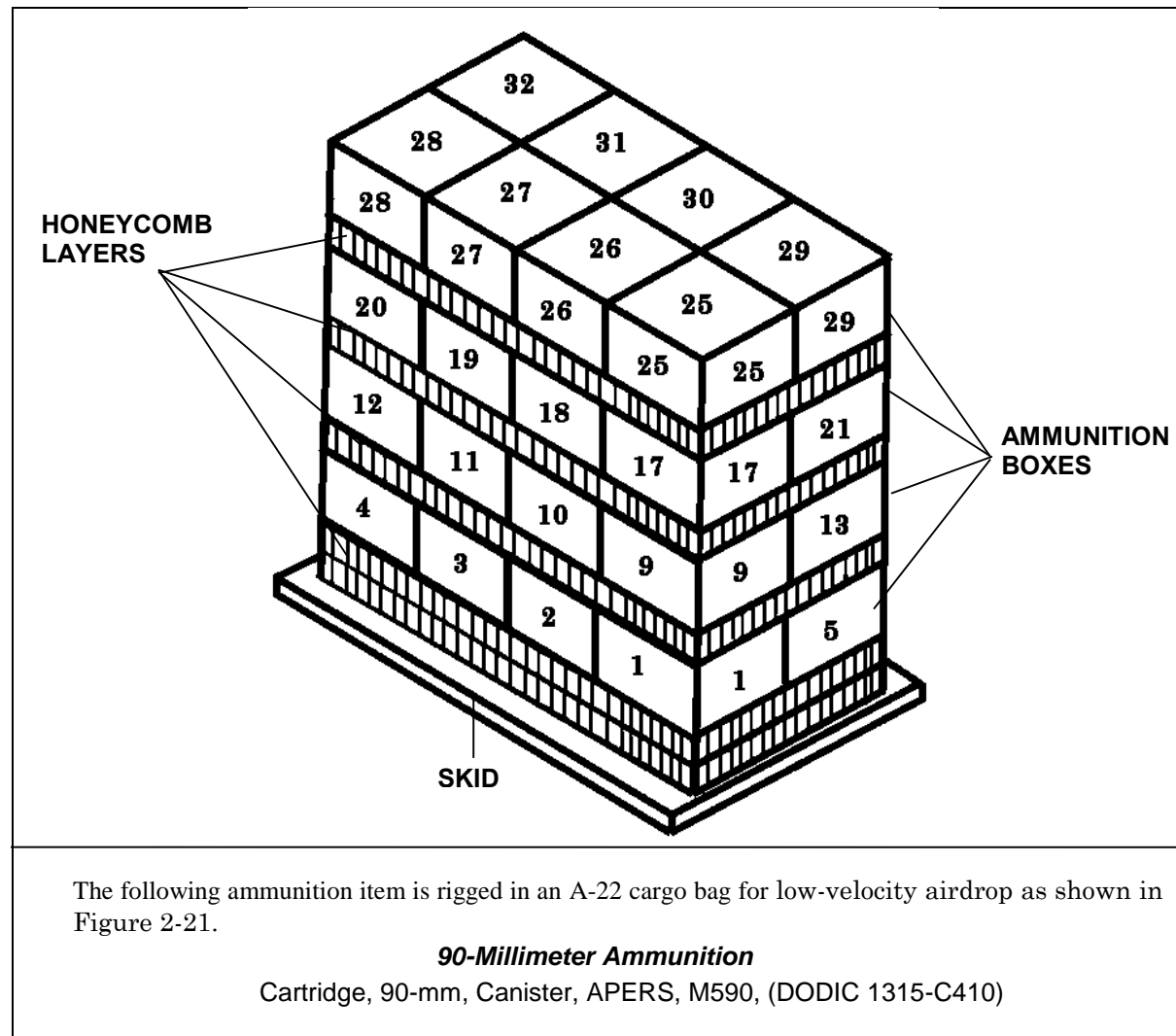


Figure 2-21. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

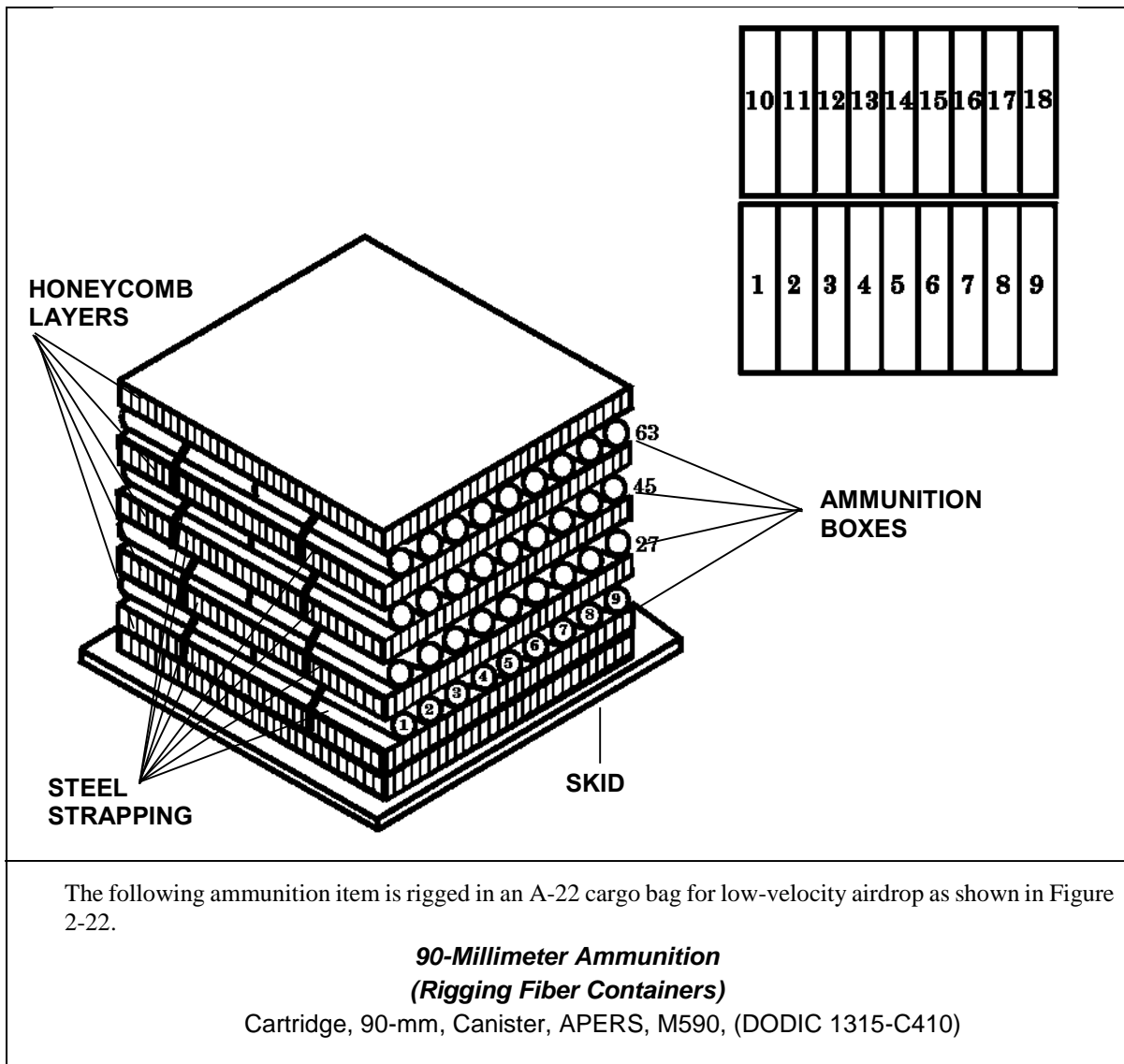
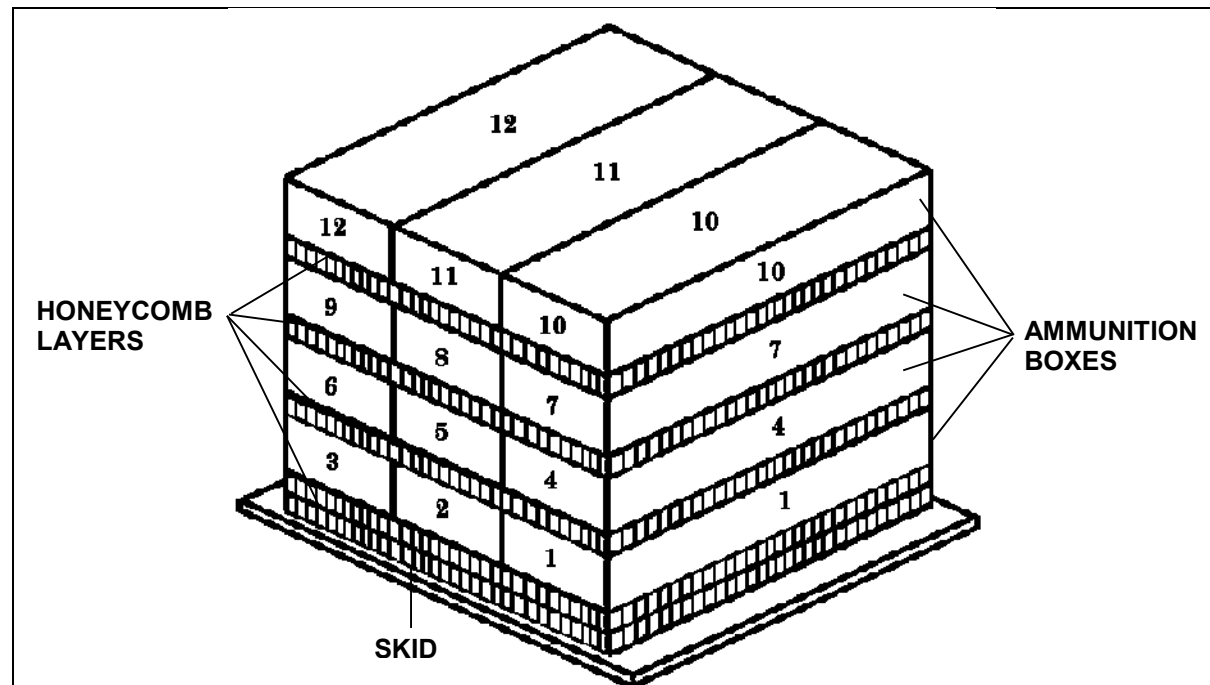


Figure 2-22. Ammunition layout in an A-22 cargo bag for low-velocity airdrop



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

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

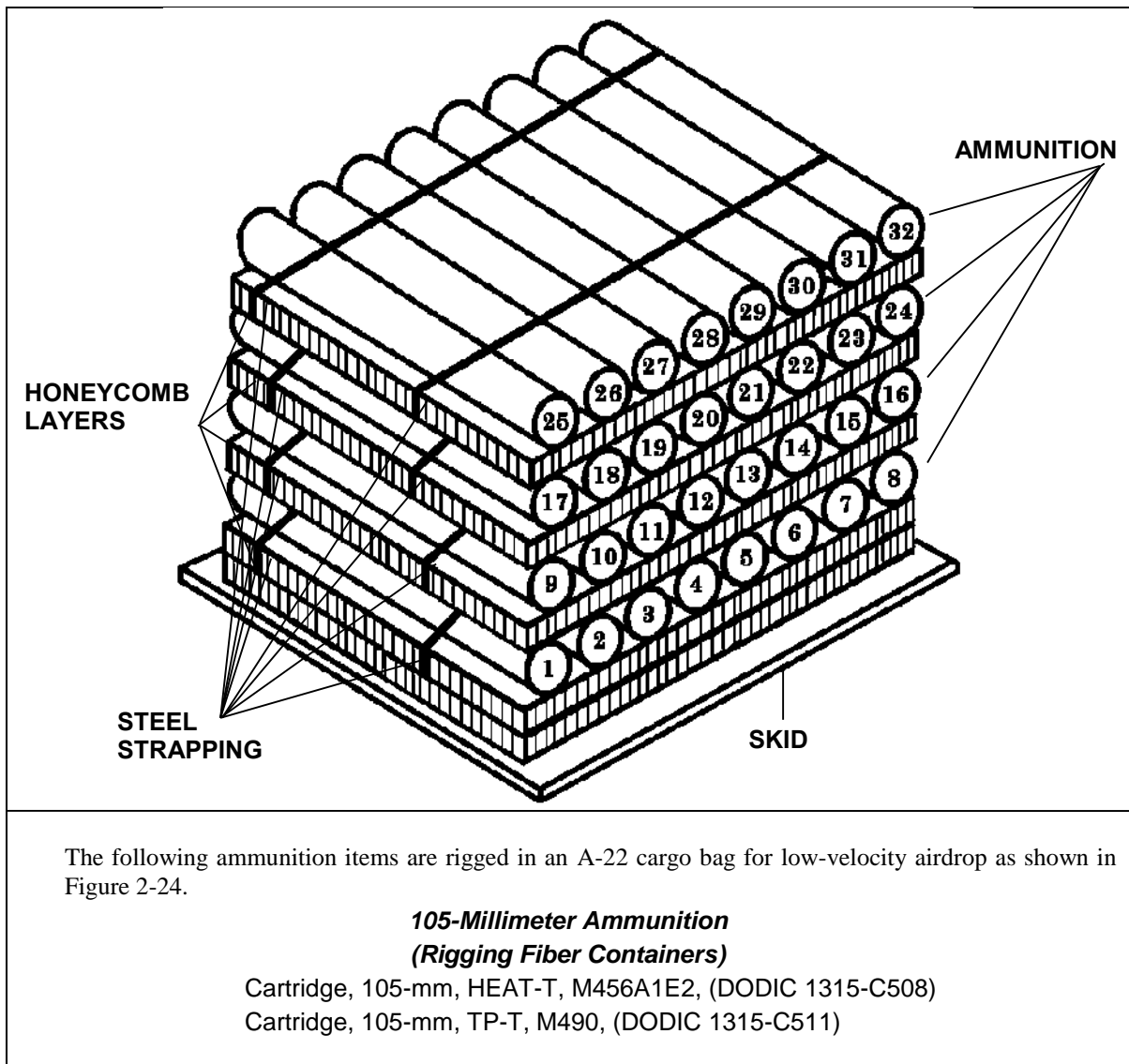


Figure 2-24. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

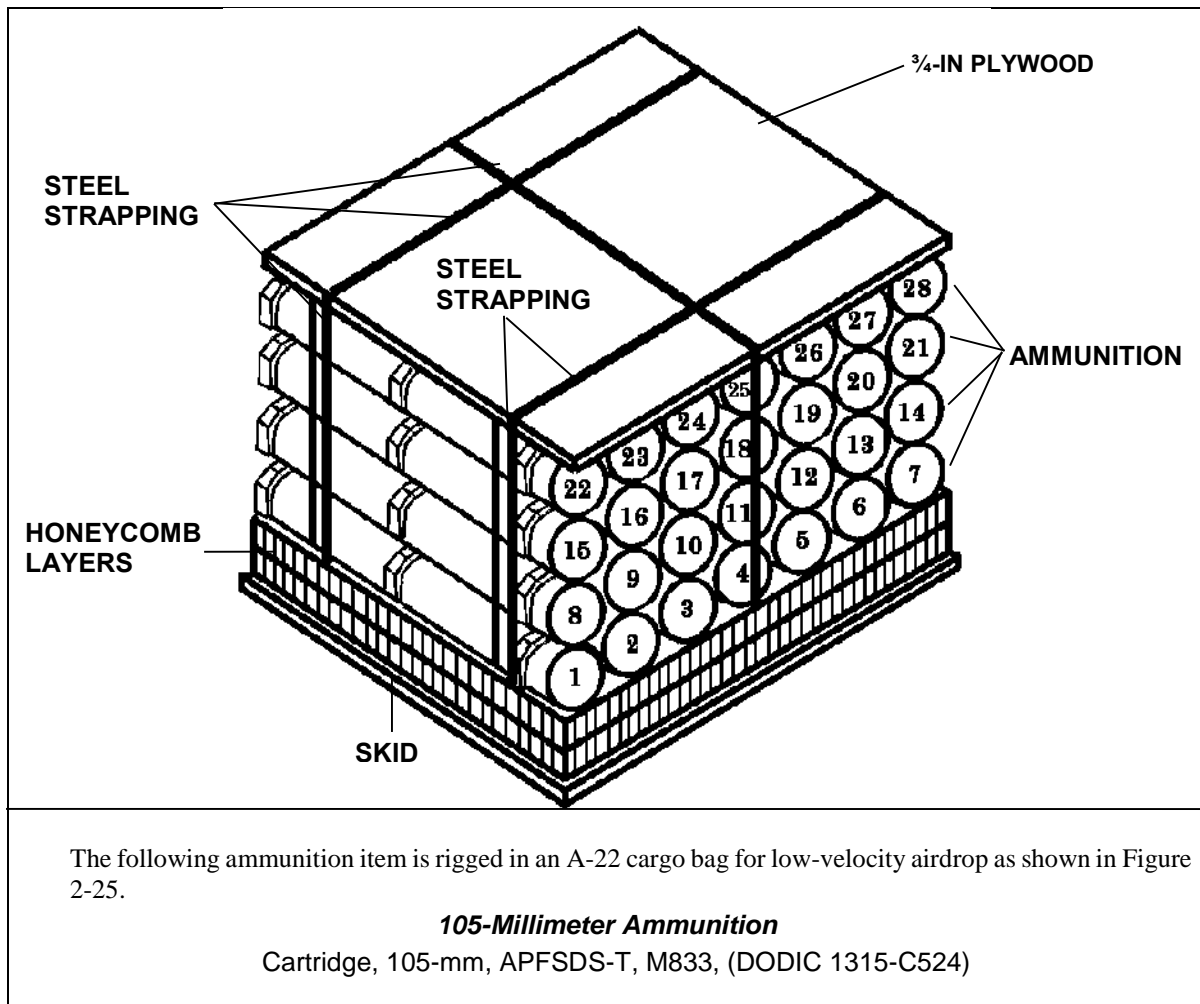


Figure 2-25. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

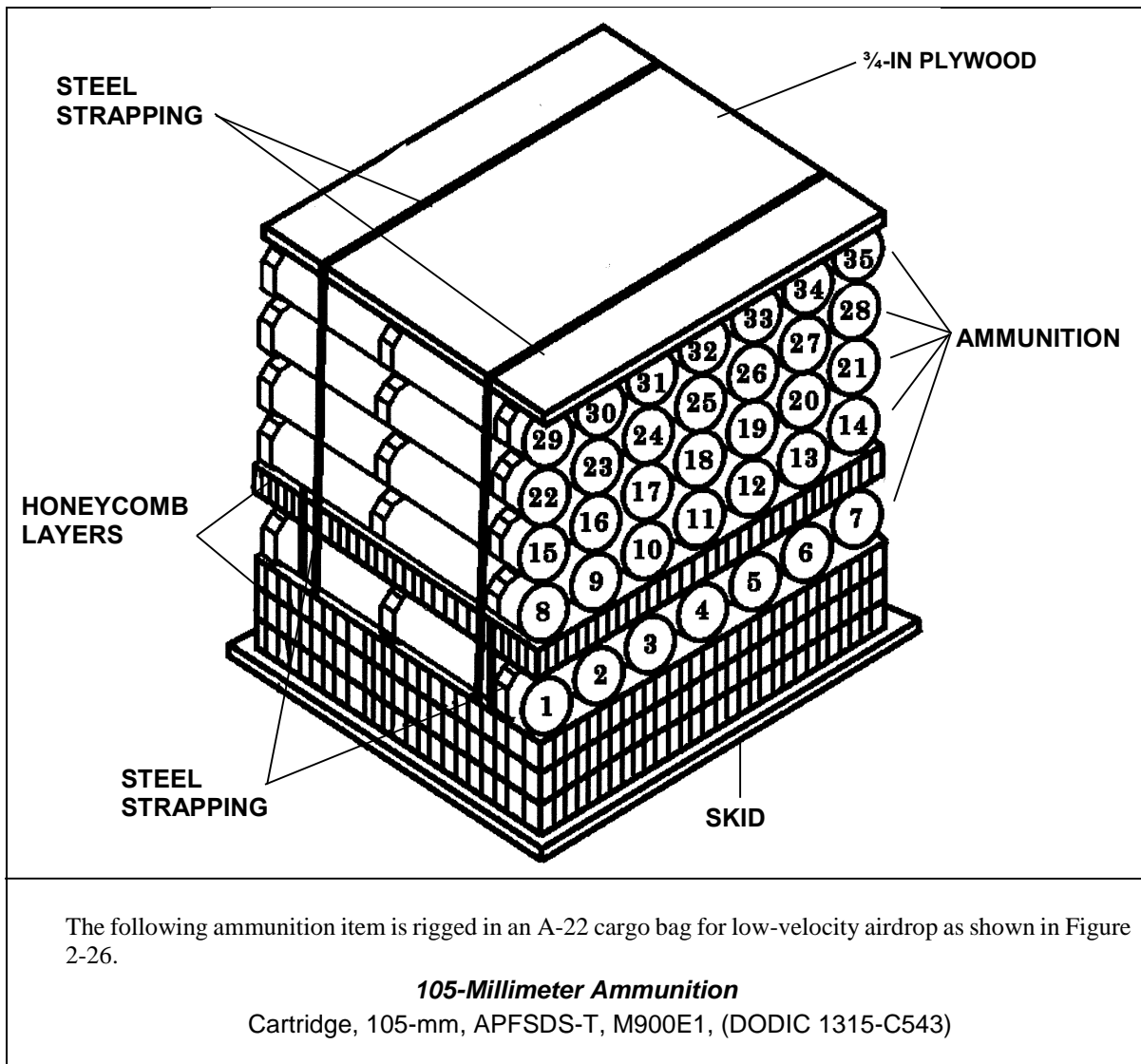
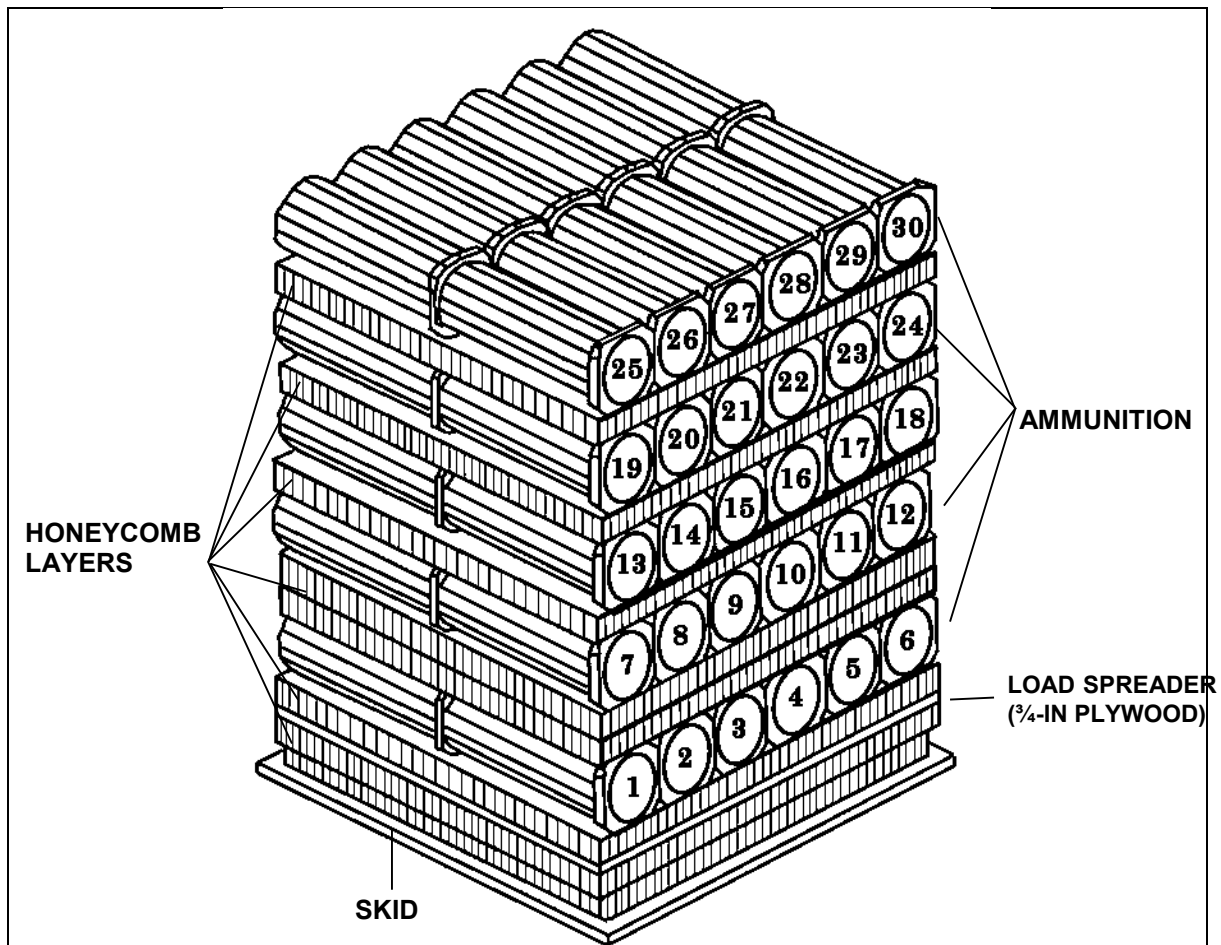


Figure 2-26. Ammunition layout in an A-22 cargo bag for low-velocity airdrop



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

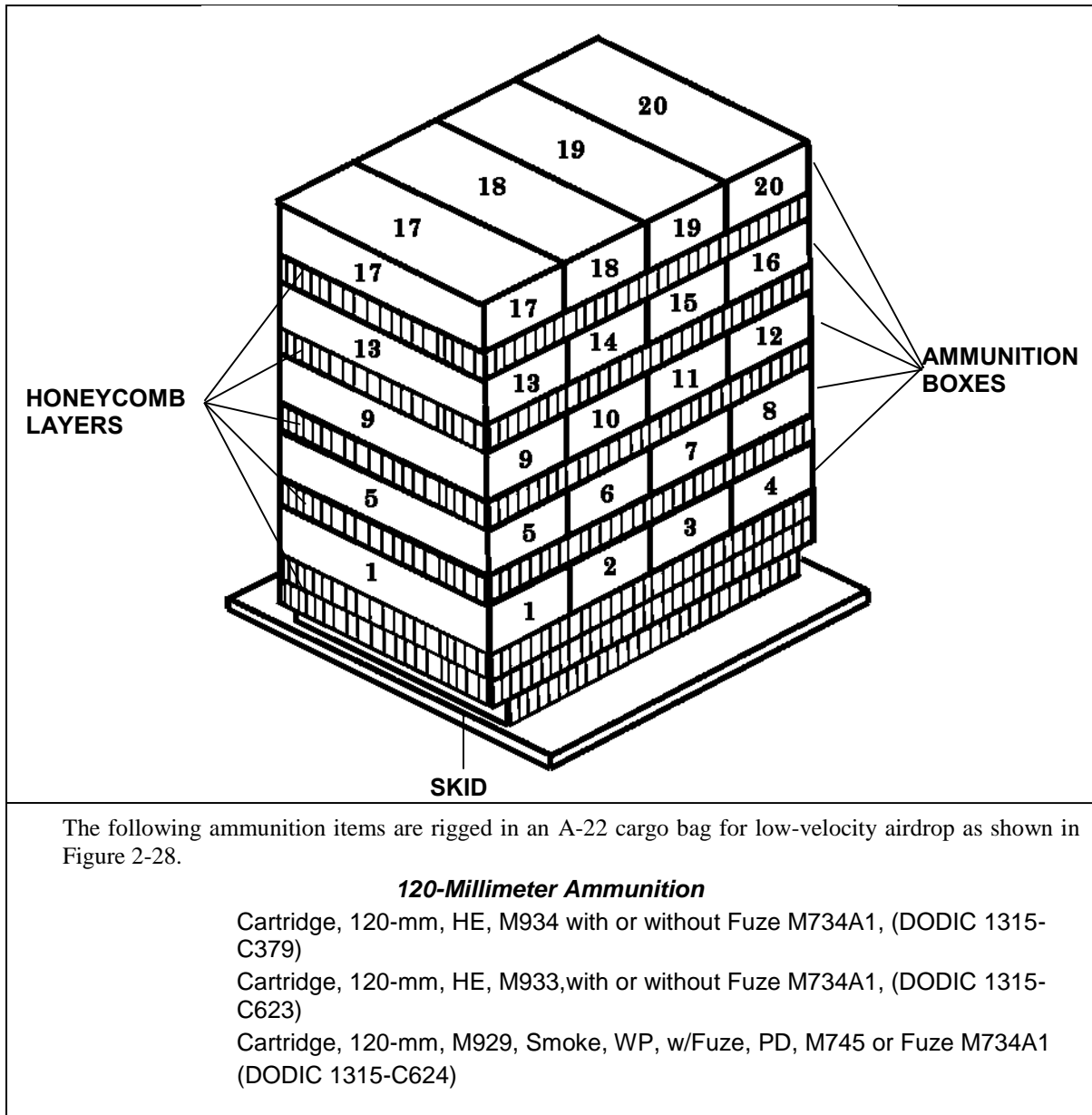
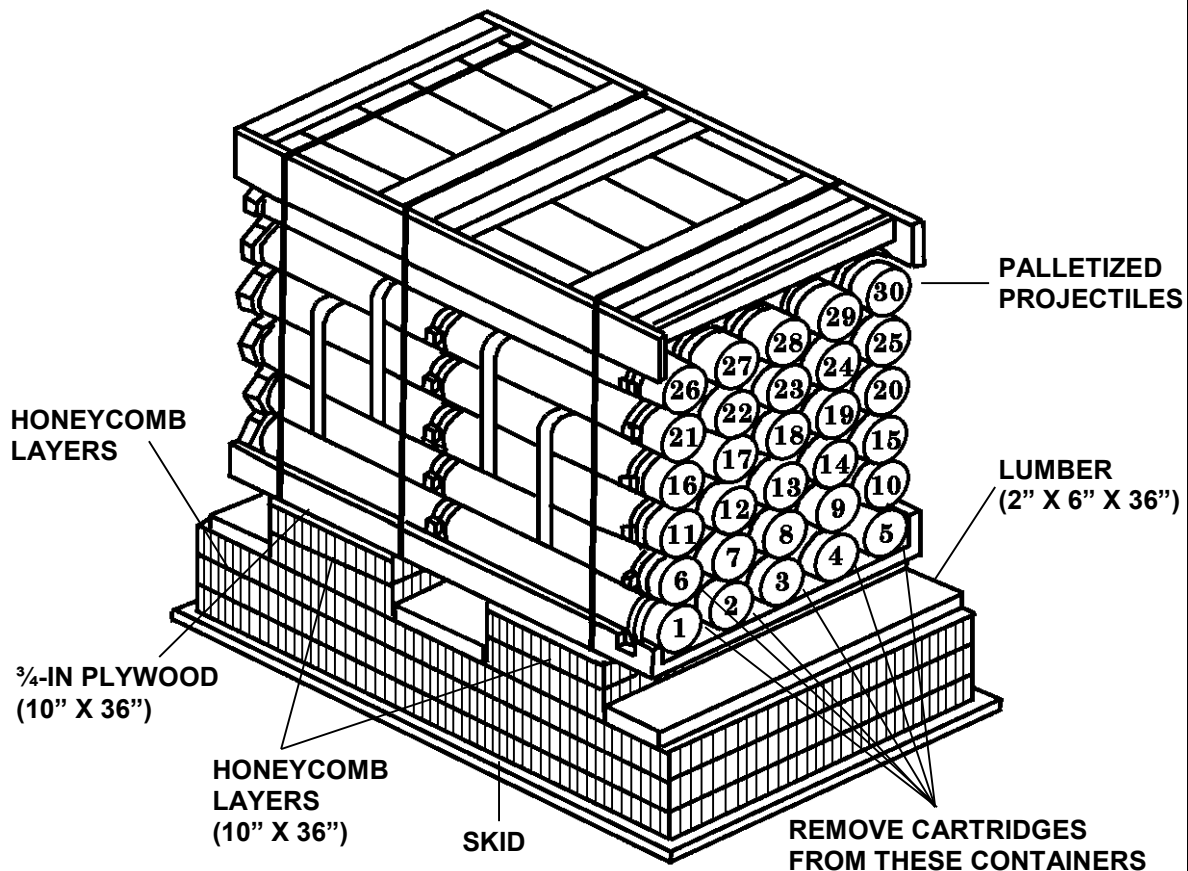


Figure 2-28. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

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

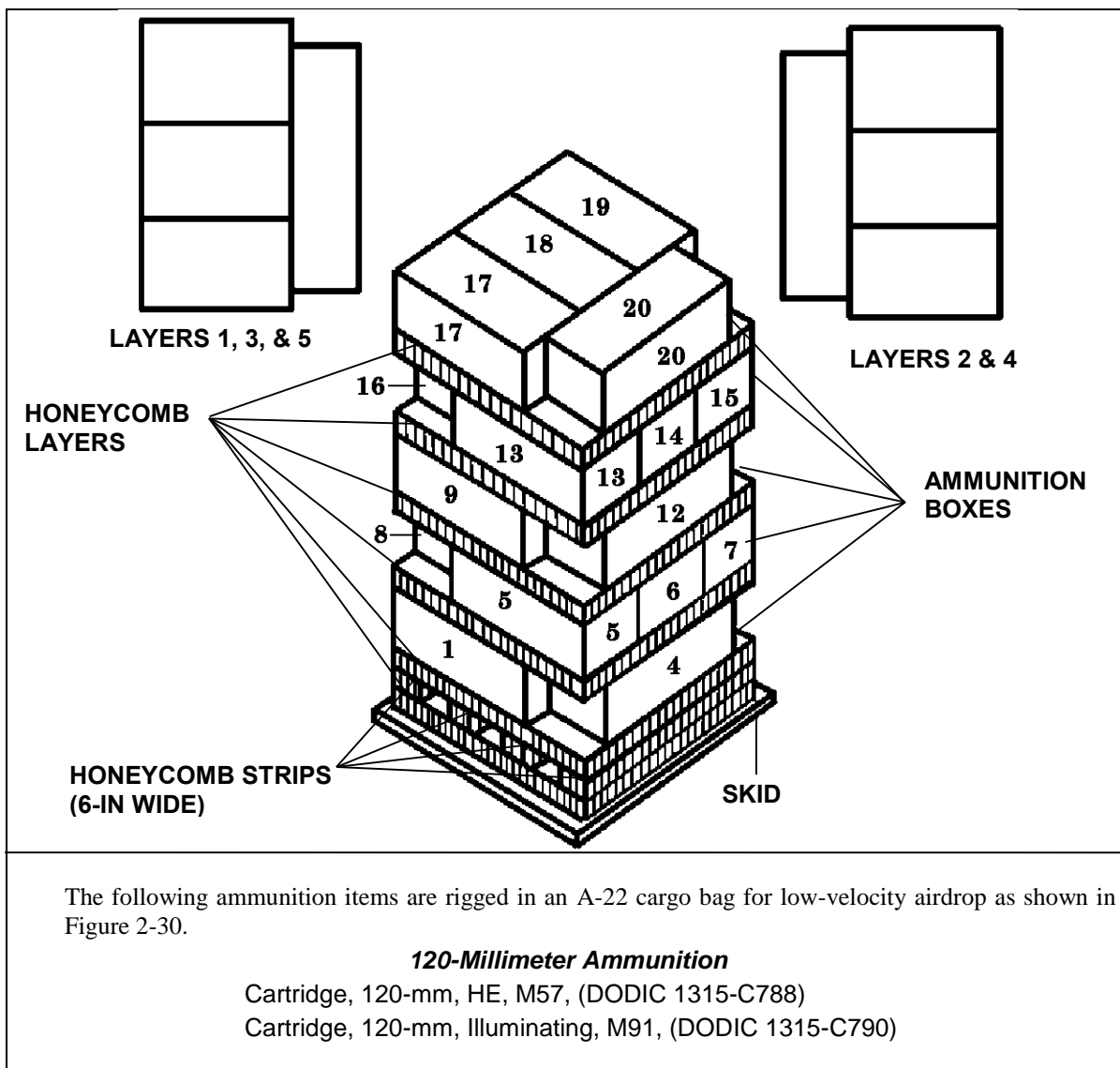


Figure 2-30. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

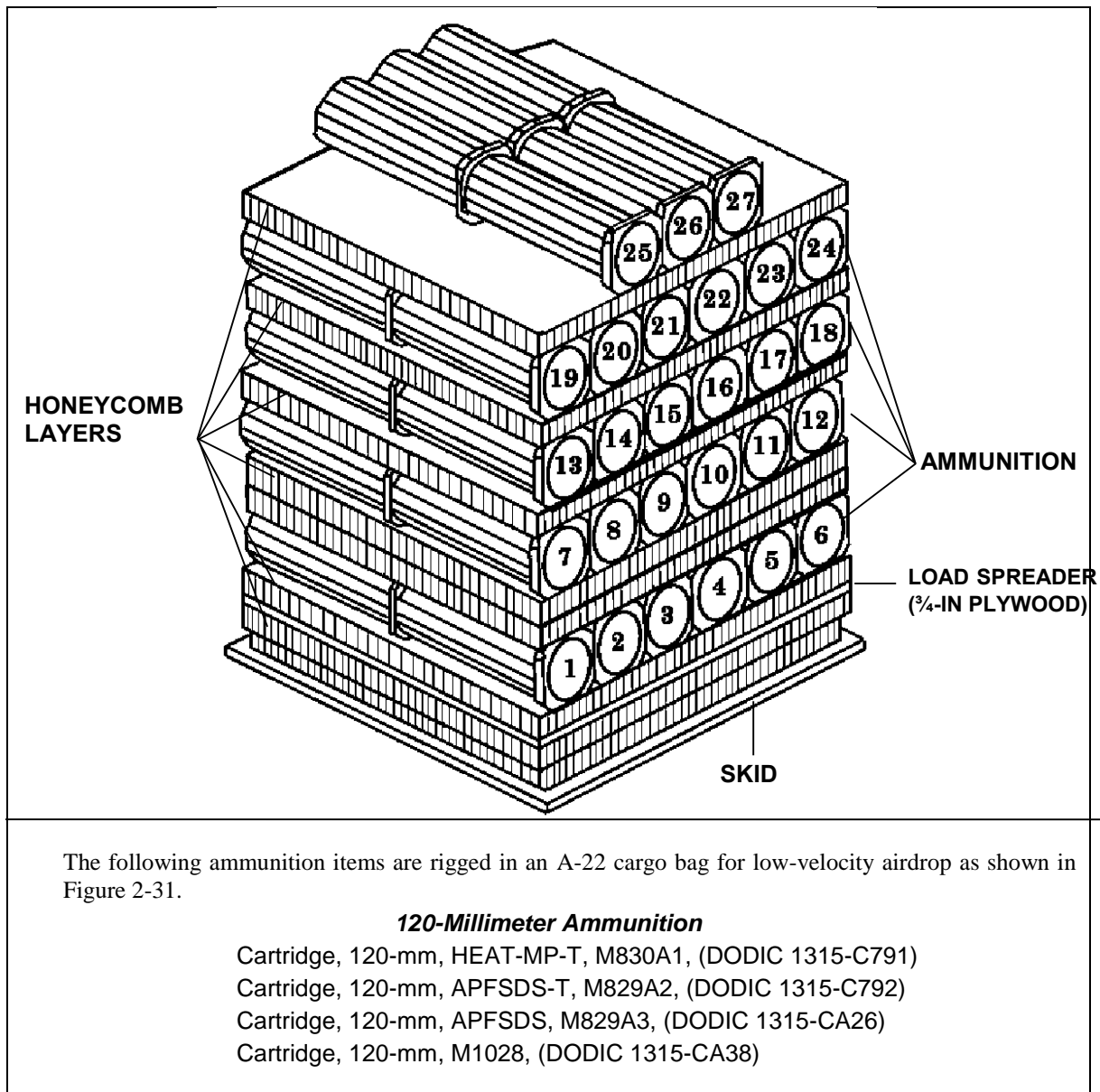


Figure 2-31. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

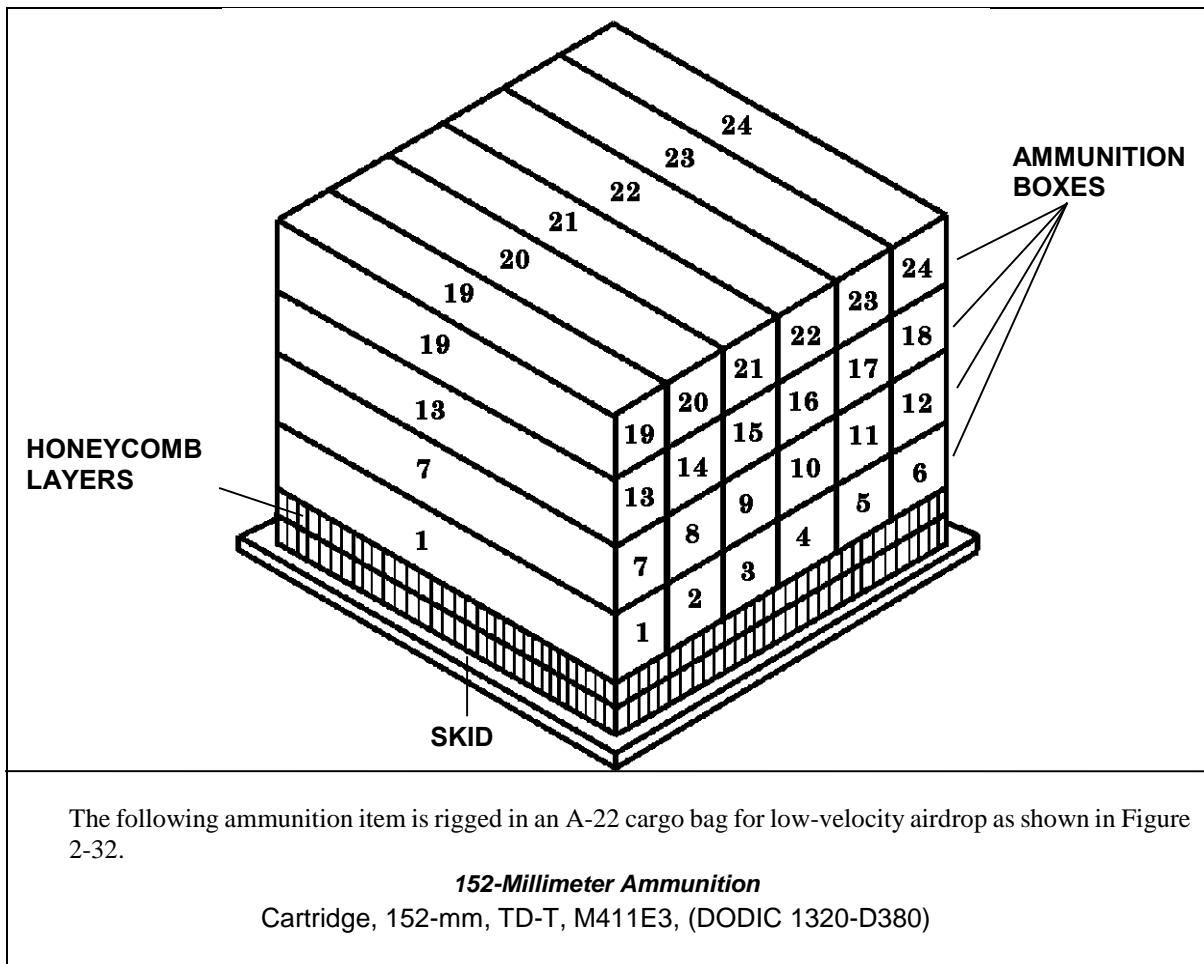


Figure 2-32. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

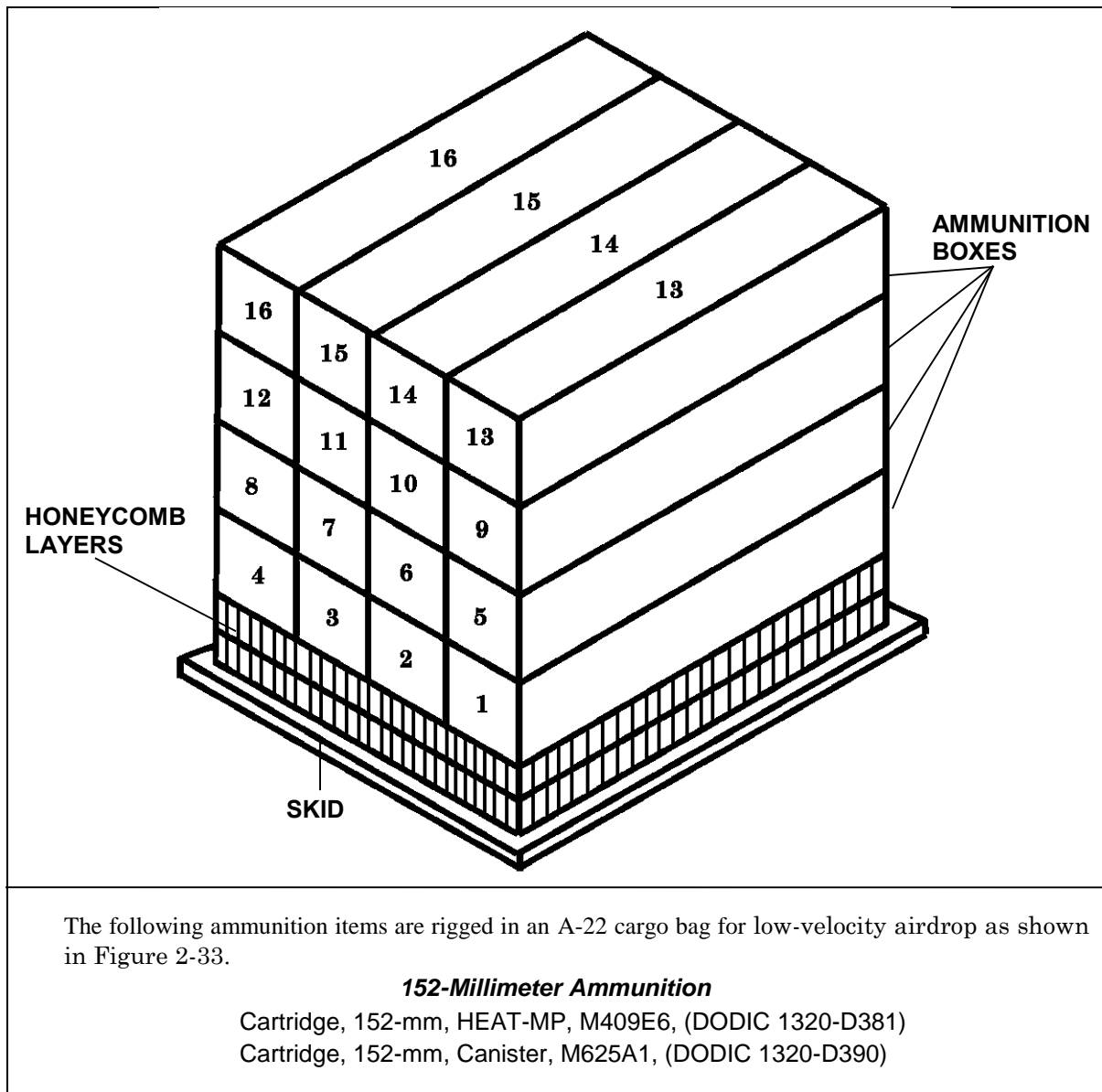


Figure 2-33. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

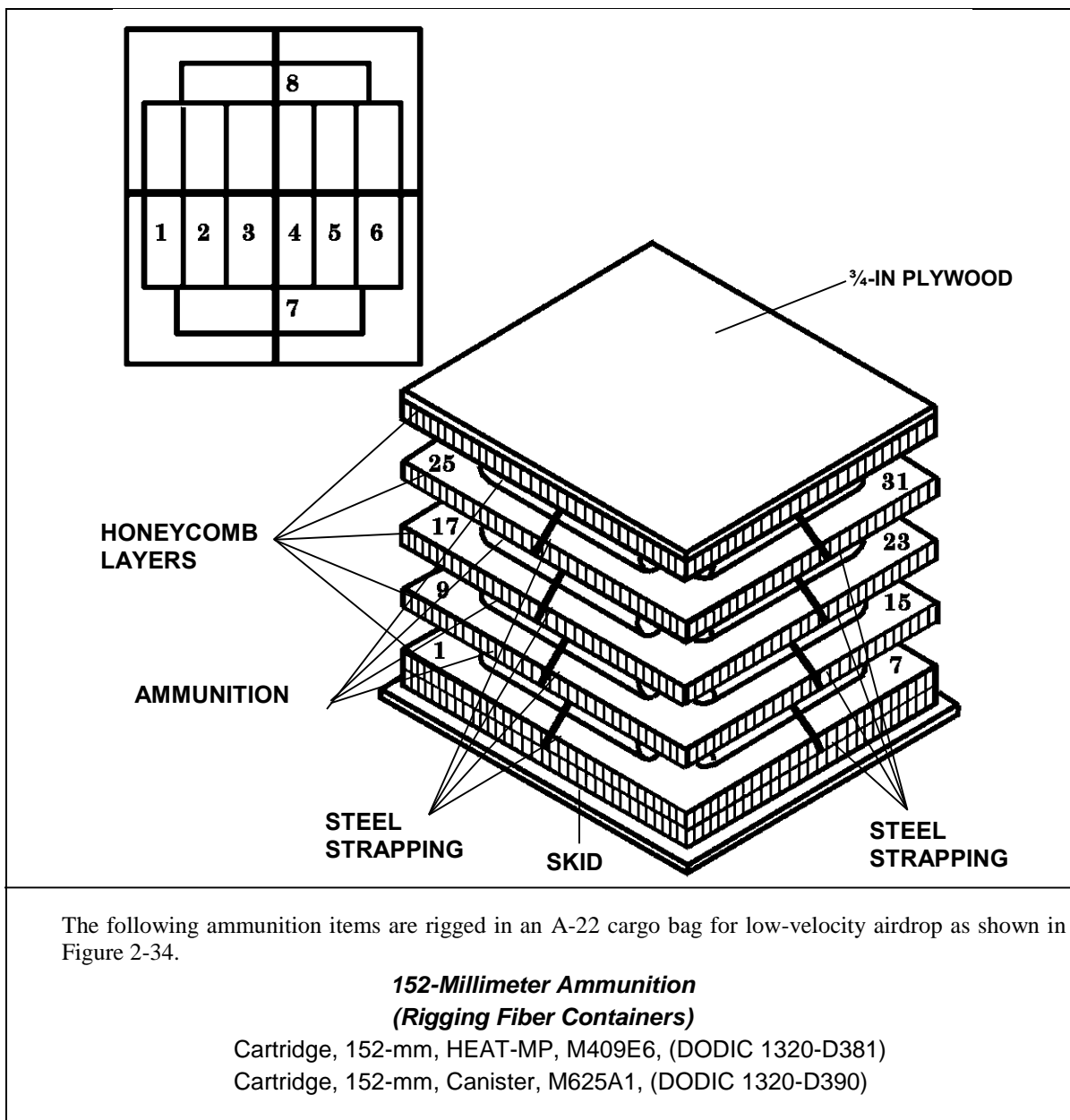


Figure 2-34. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

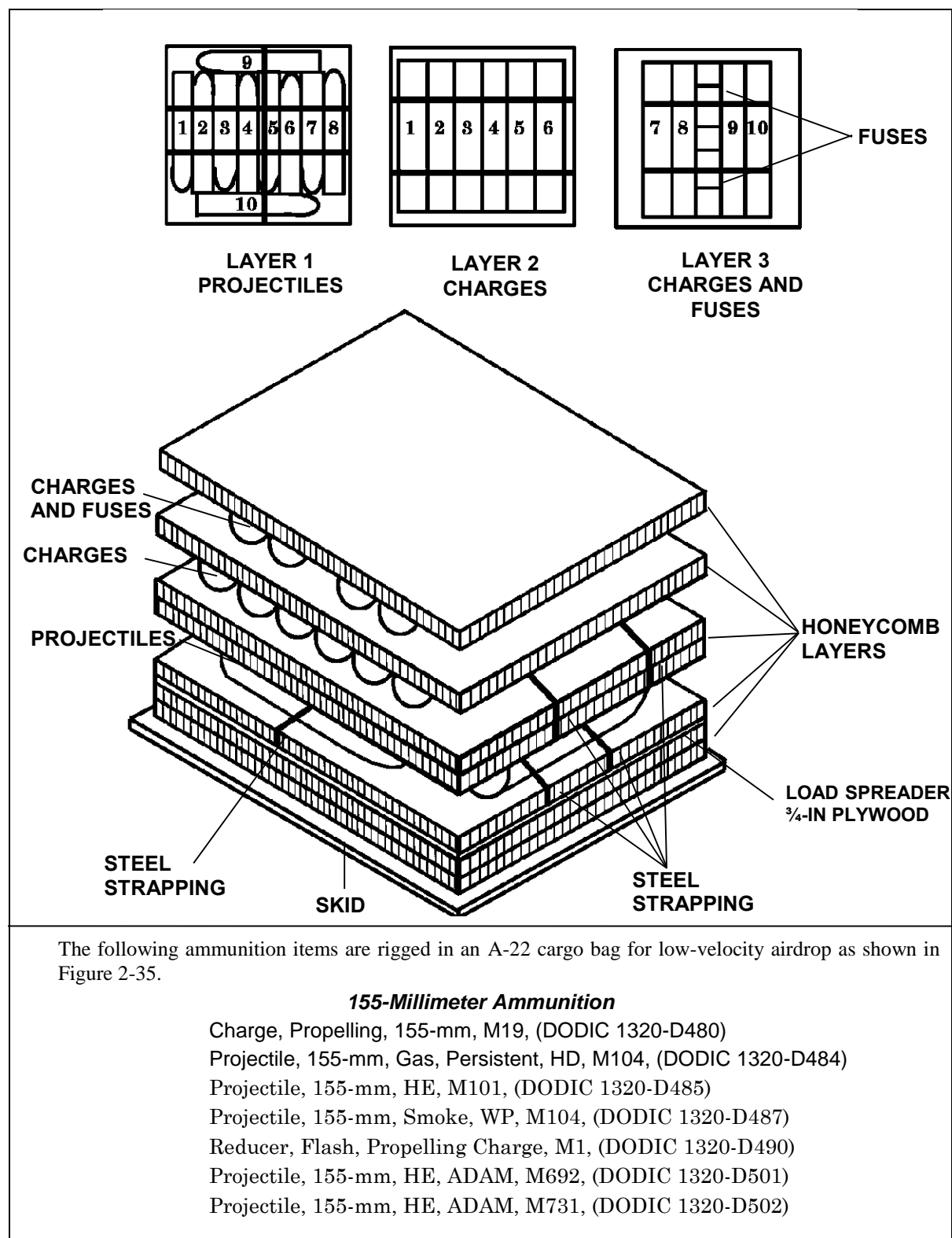


Figure 2-35. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

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, 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)
 Projectile, 155-mm, Smoke, WP, M825, (DODIC 1320-D528)
 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, Electronic Time, M762, (DODIC 1390-N289)
 Fuze, Electronic Time, M767, (DODIC 1390-N290)
 Fuze, Delay, PD, MOD 1, MK399, (DODIC 1390-N659)
 Fuze, Multi-Option for Artillery, M782, (DODIC 1390-NA09)

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)

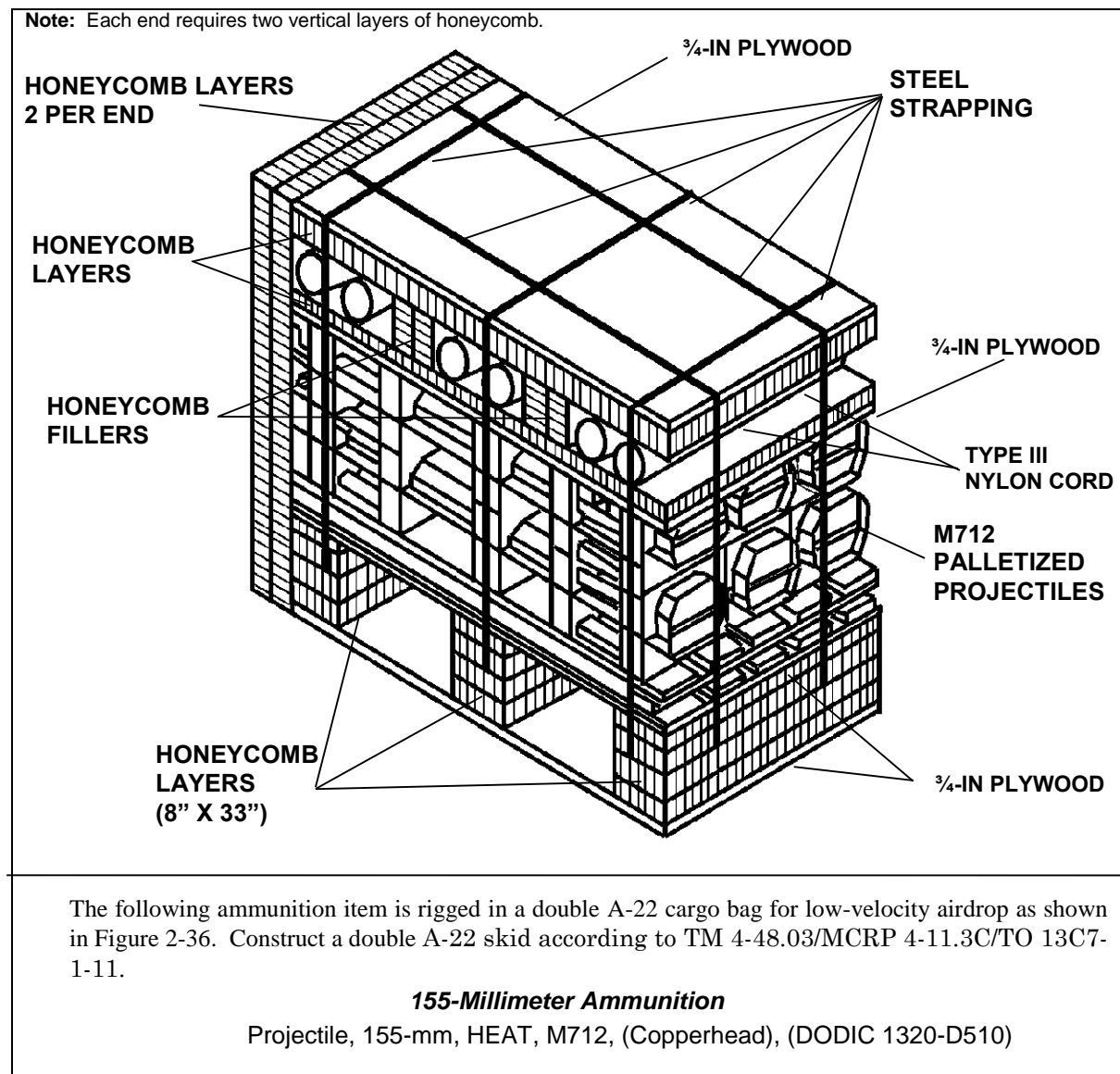


Figure 2-36. Ammunition layout in a double A-22 cargo bag for low-velocity airdrop

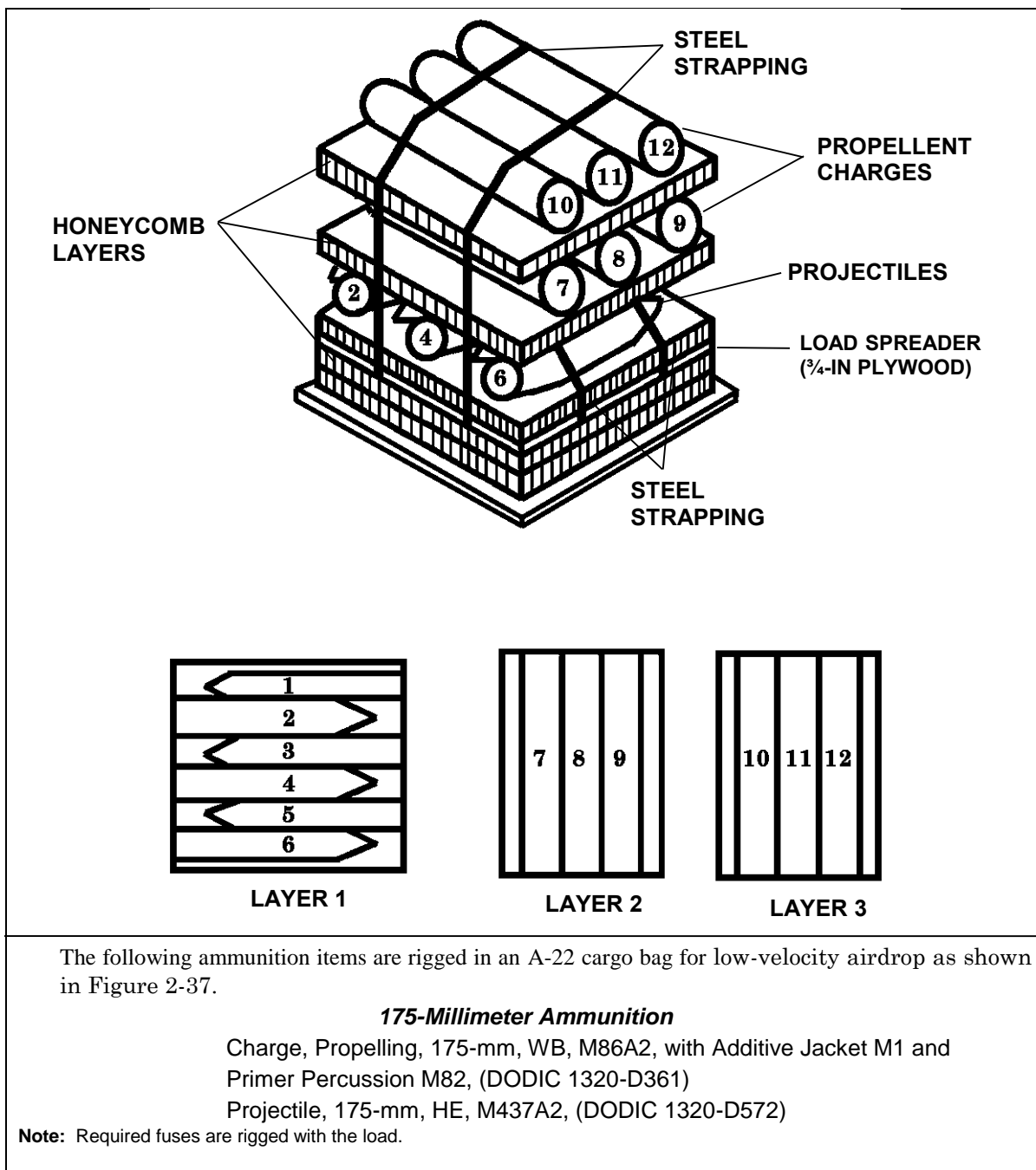


Figure 2-37. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

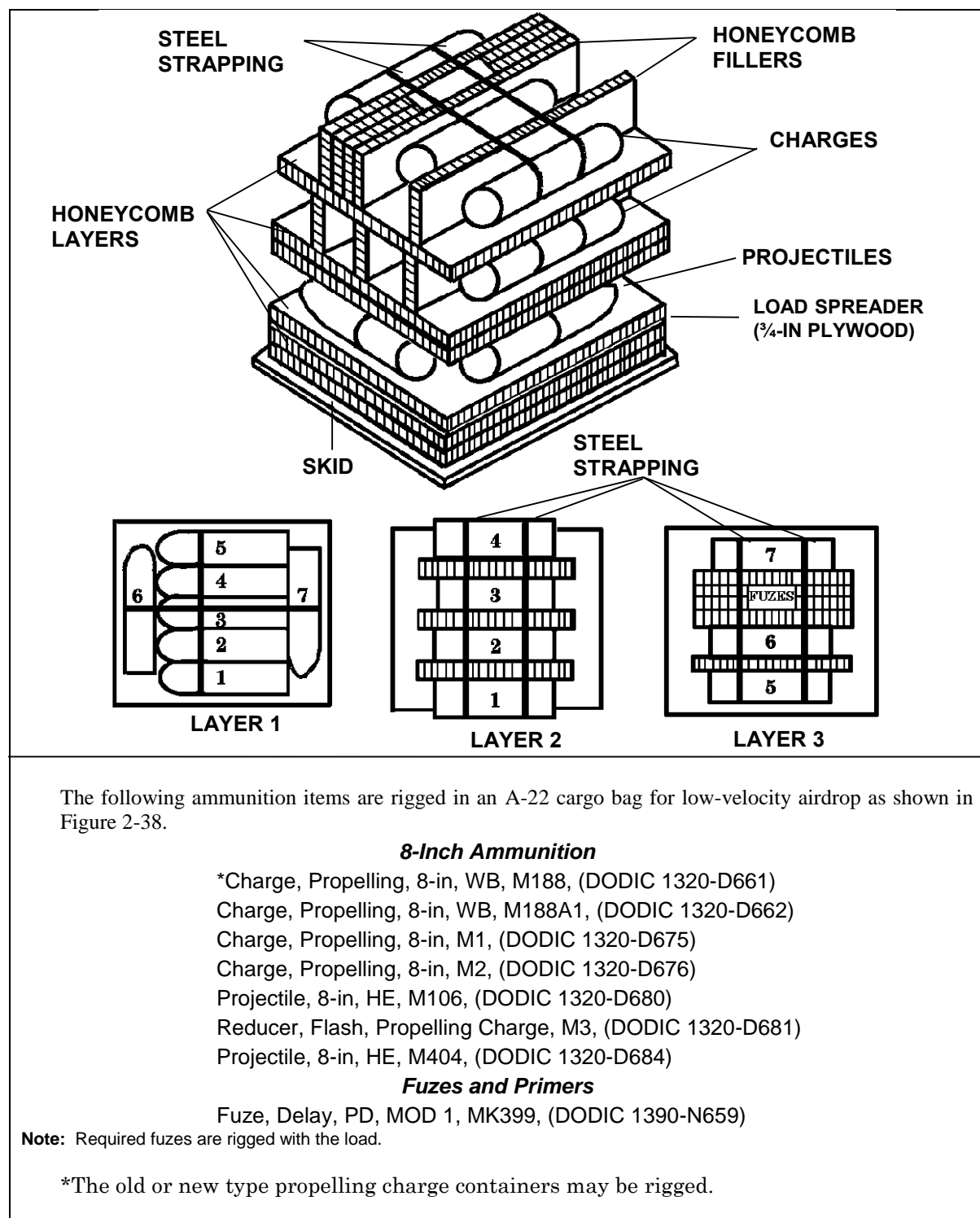


Figure 2-38. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

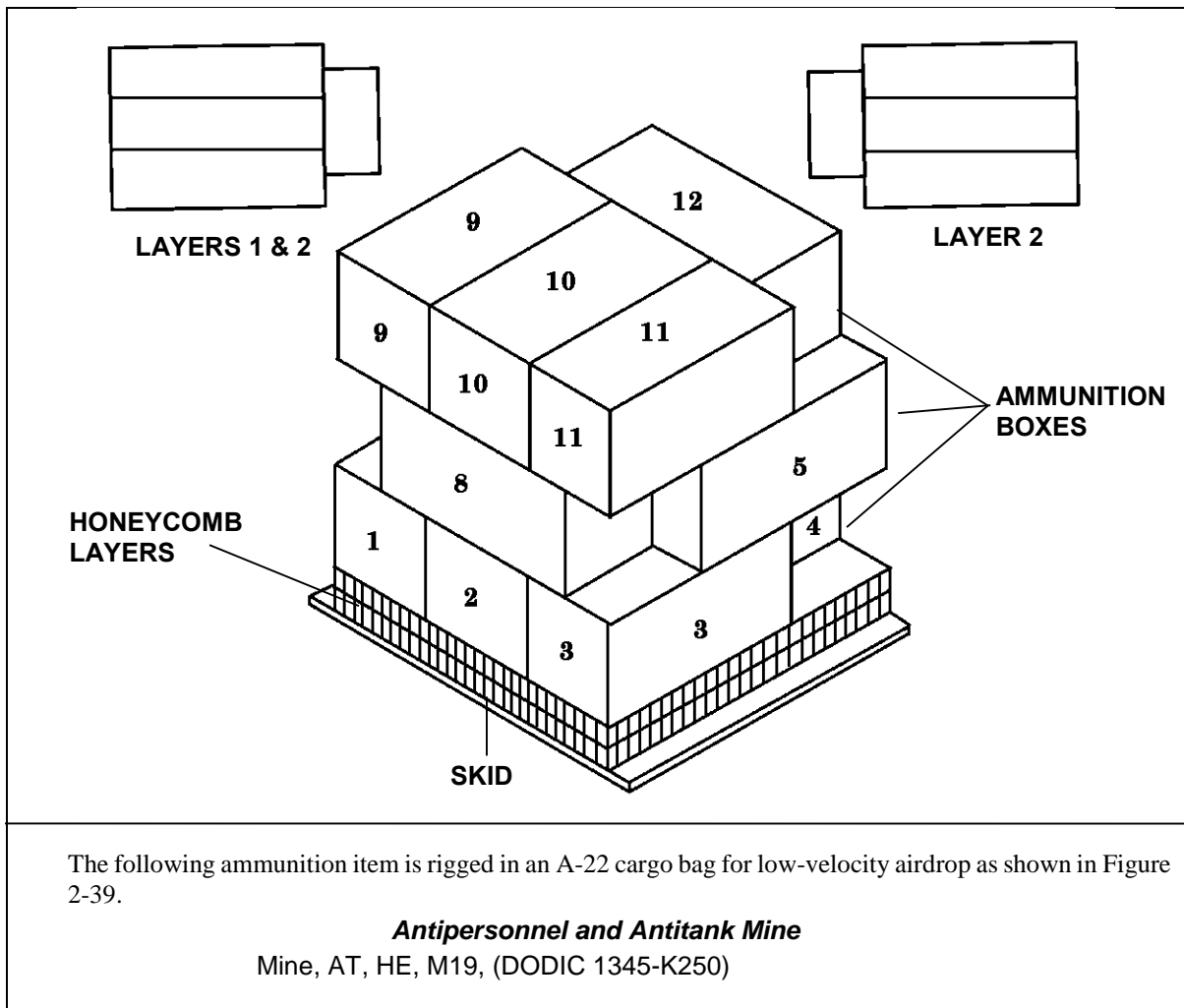


Figure 2-39. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

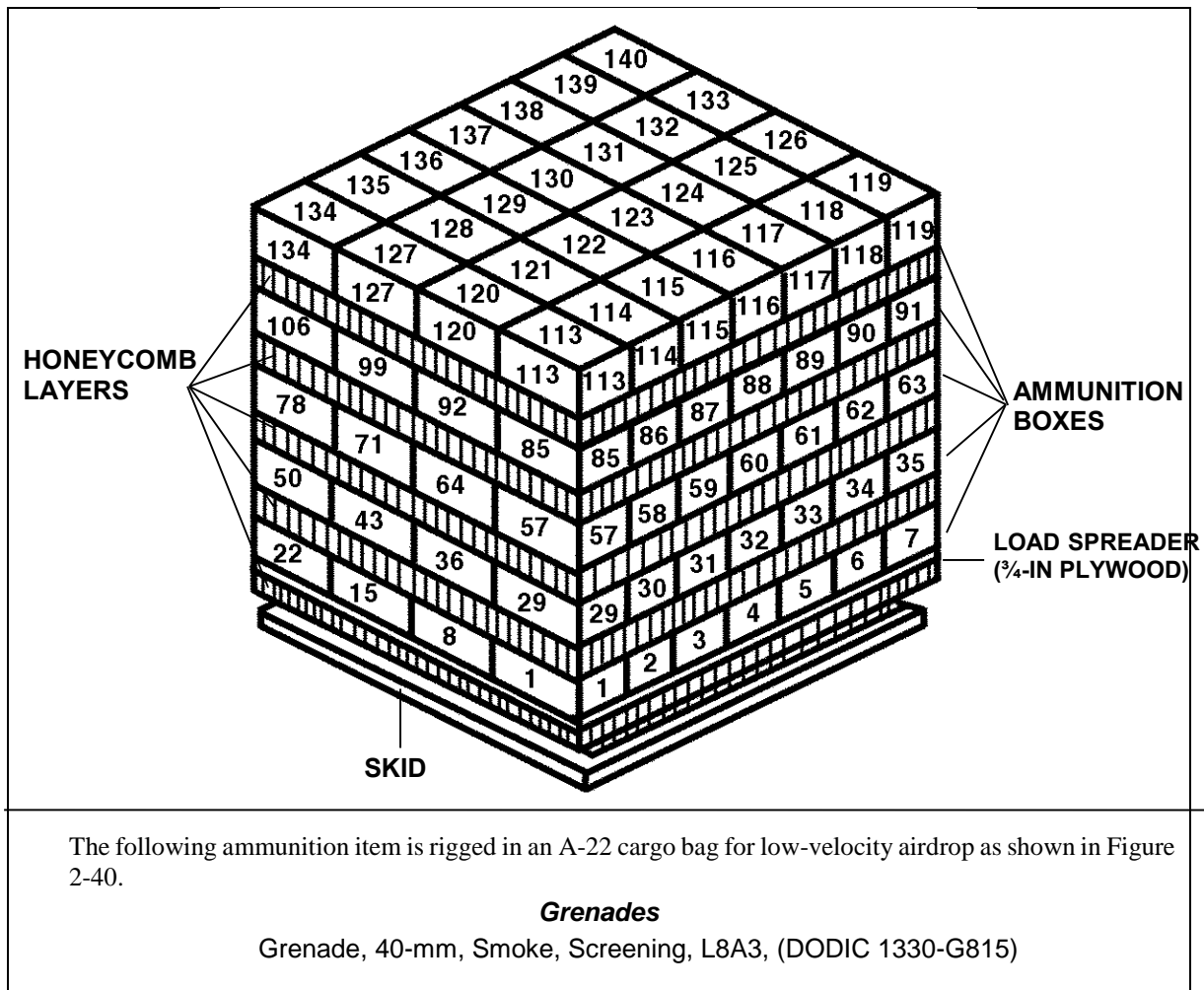


Figure 2-40. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

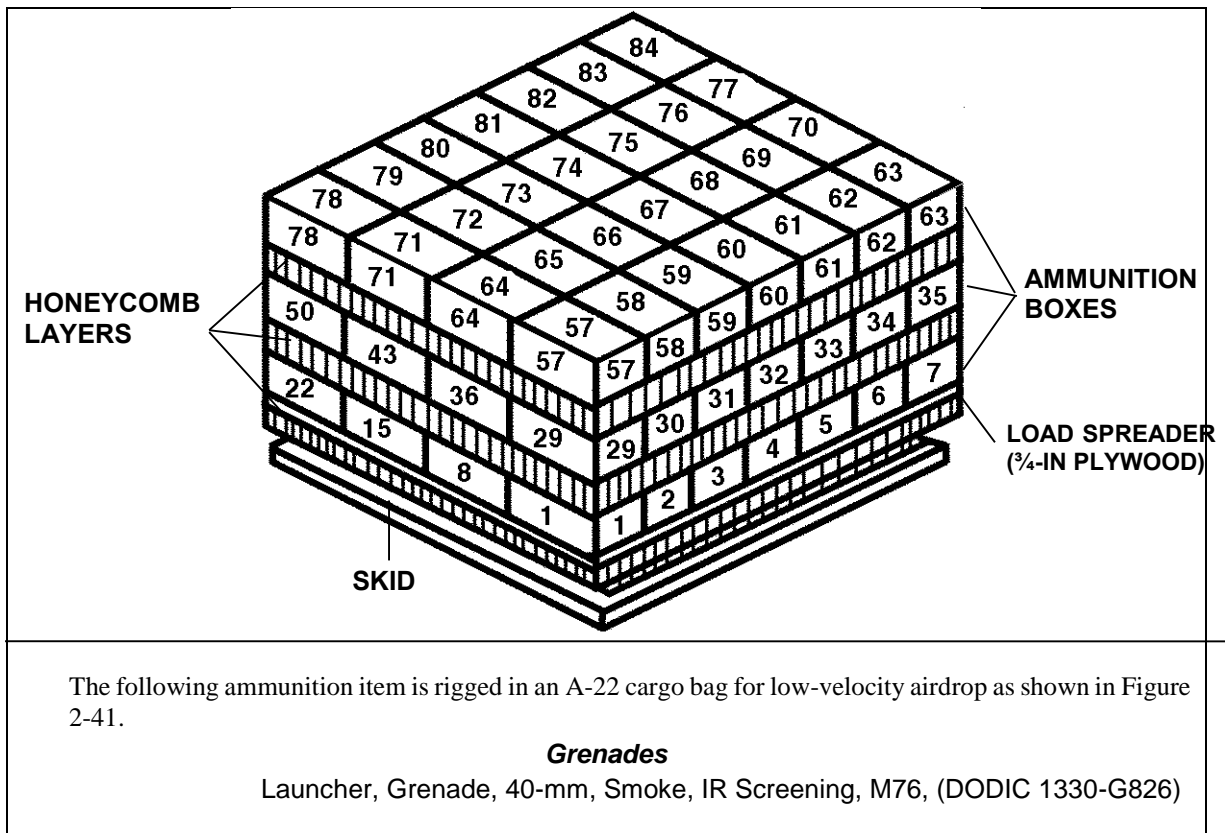


Figure 2-41. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

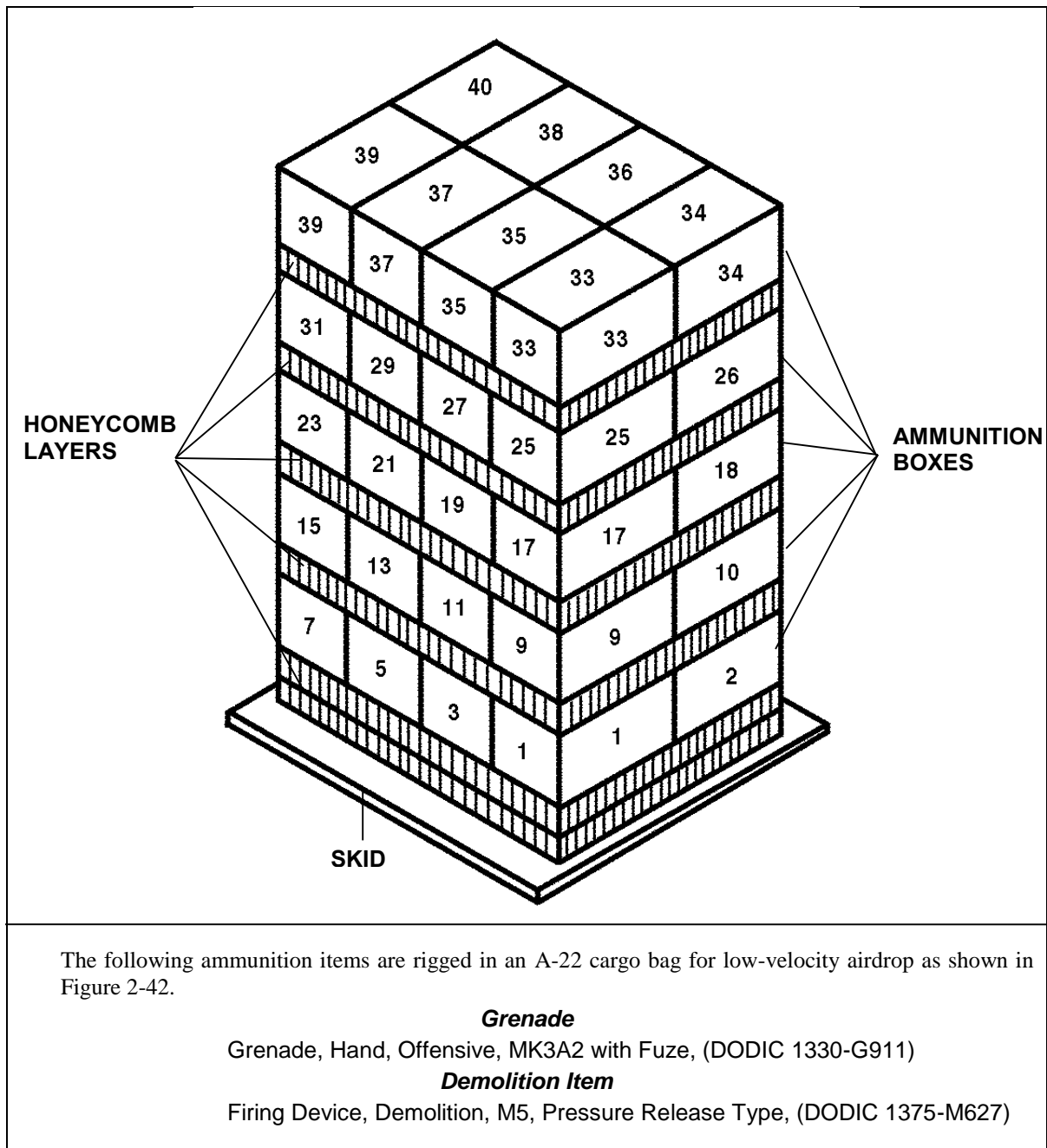


Figure 2-42. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

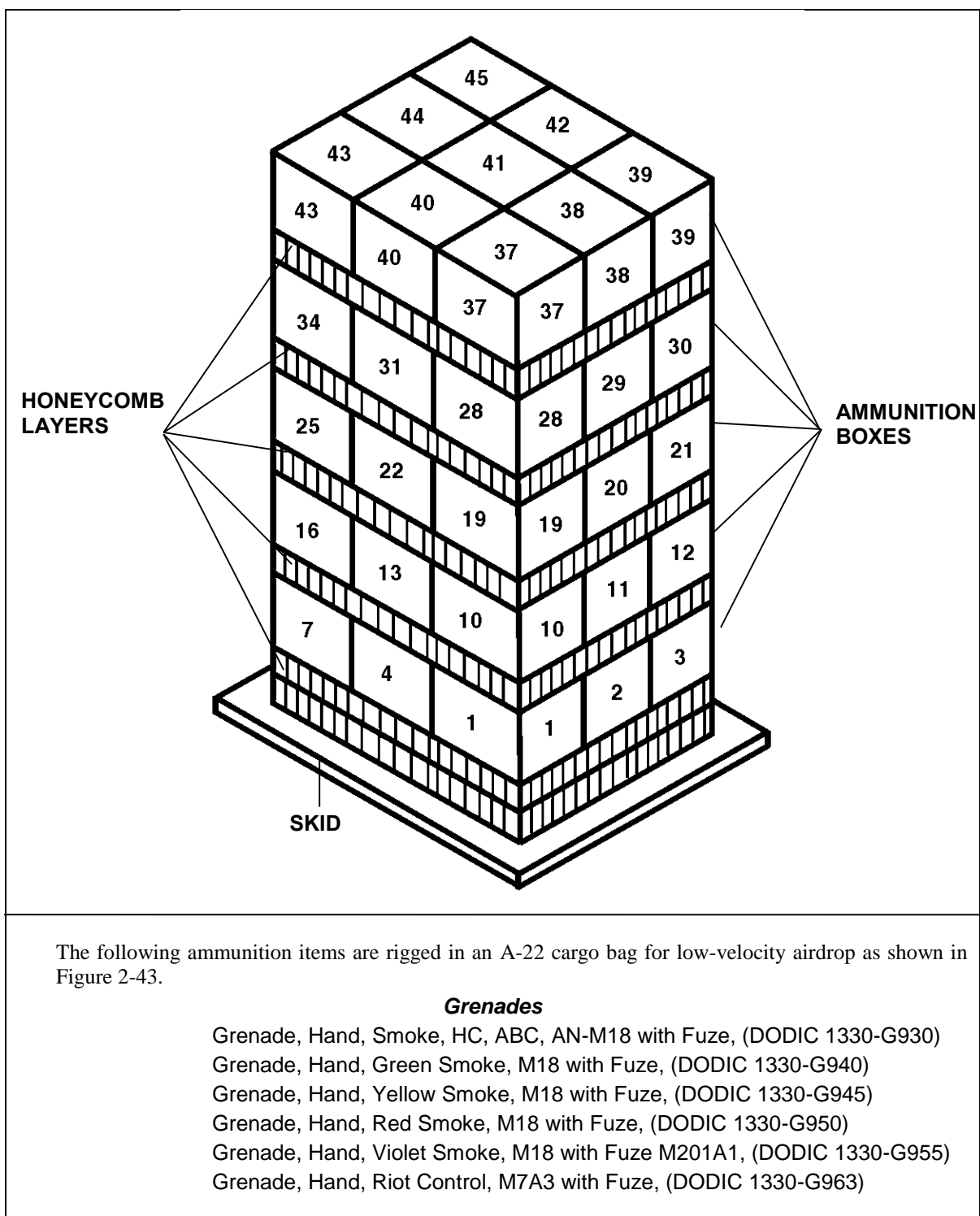


Figure 2-43. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

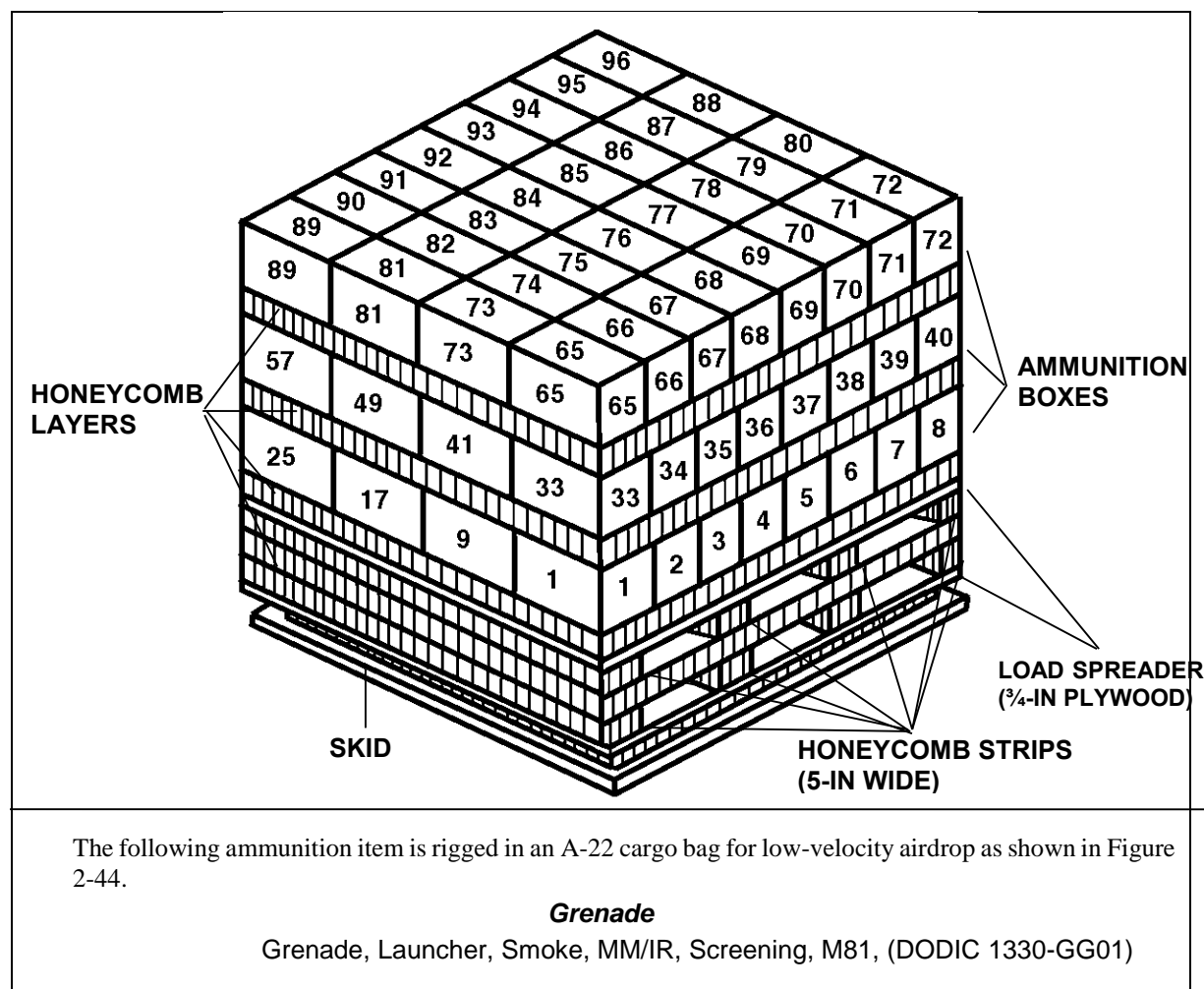


Figure 2-44. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

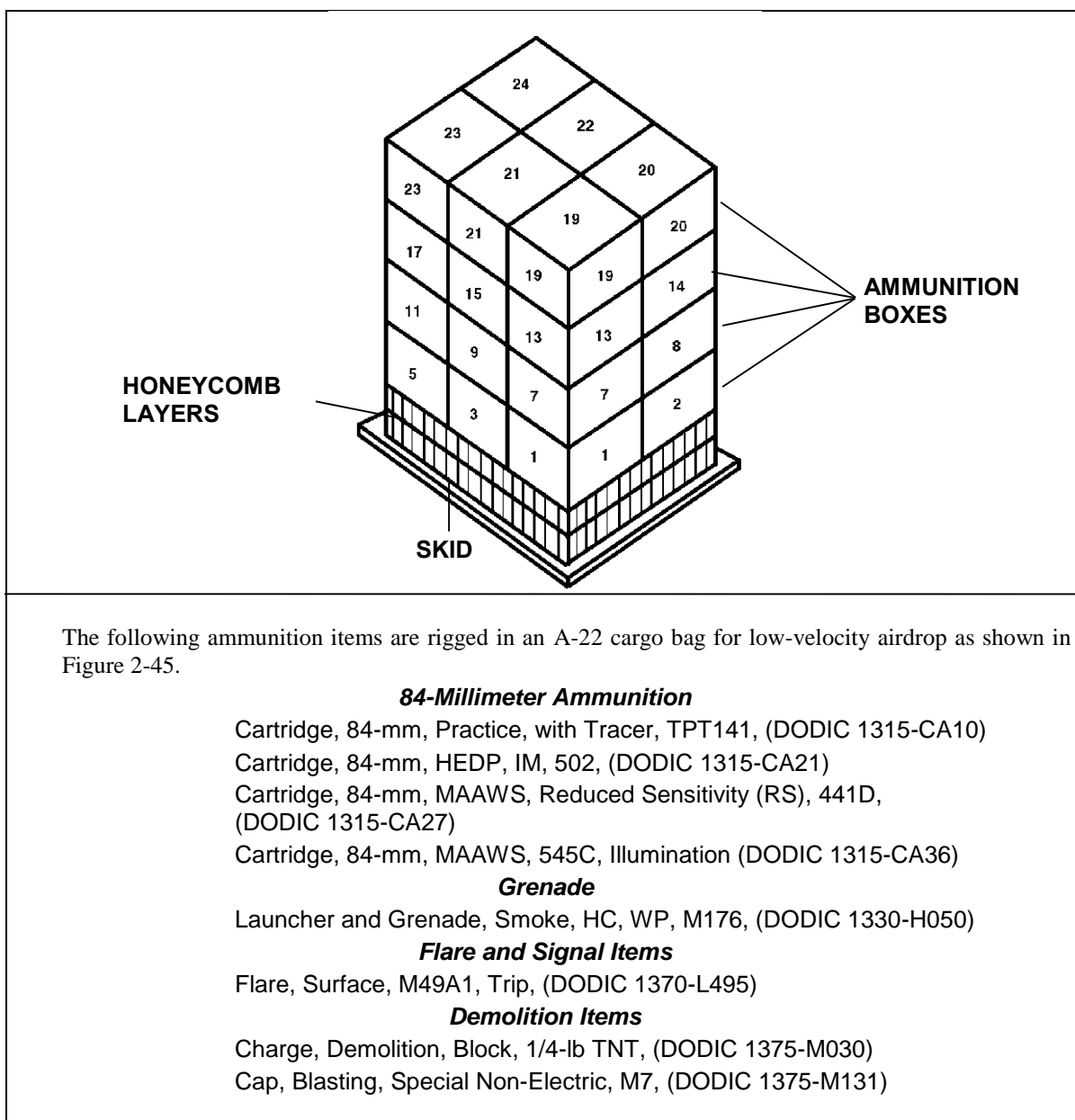
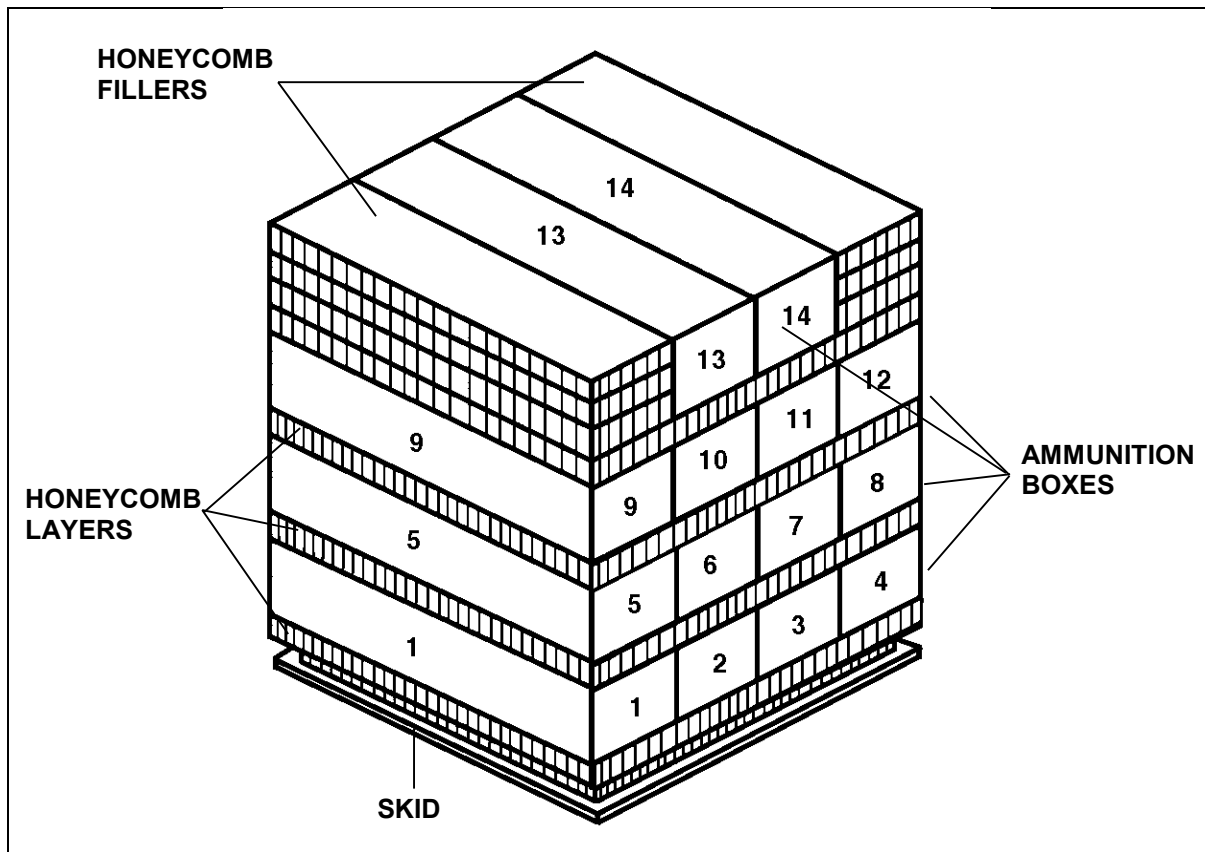


Figure 2-45. Ammunition layout in an A-22 cargo bag for low-velocity airdrop



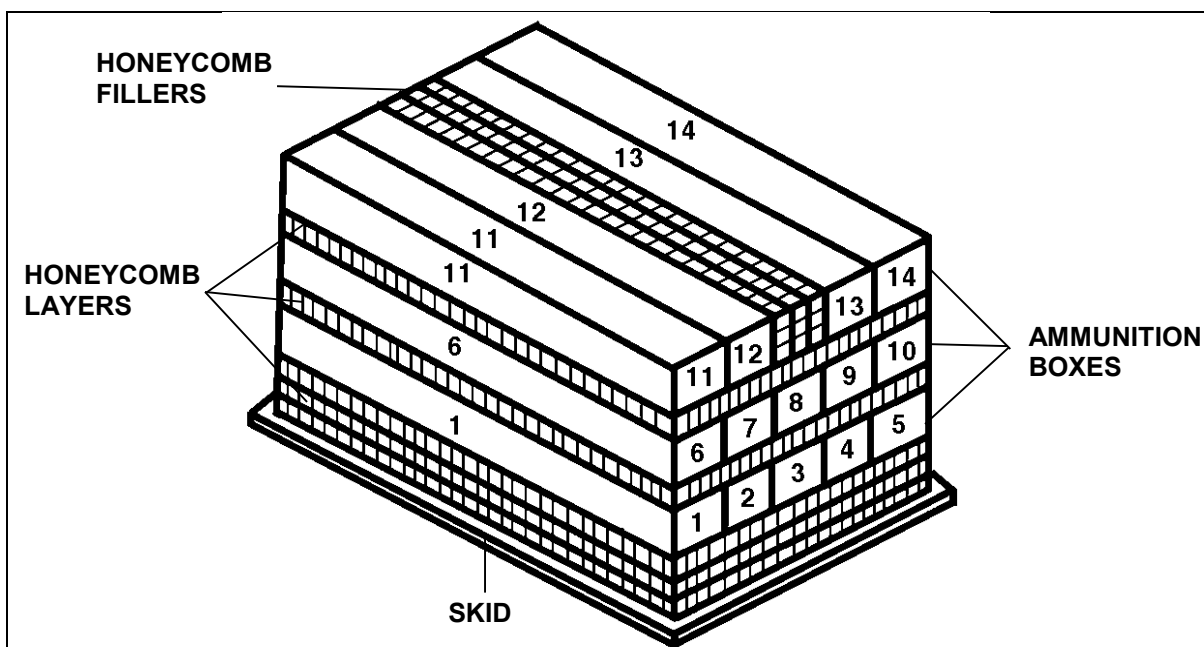
The following ammunition items are rigged in an A-22 cargo bag for low-velocity airdrop as shown in Figure 2-46.

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

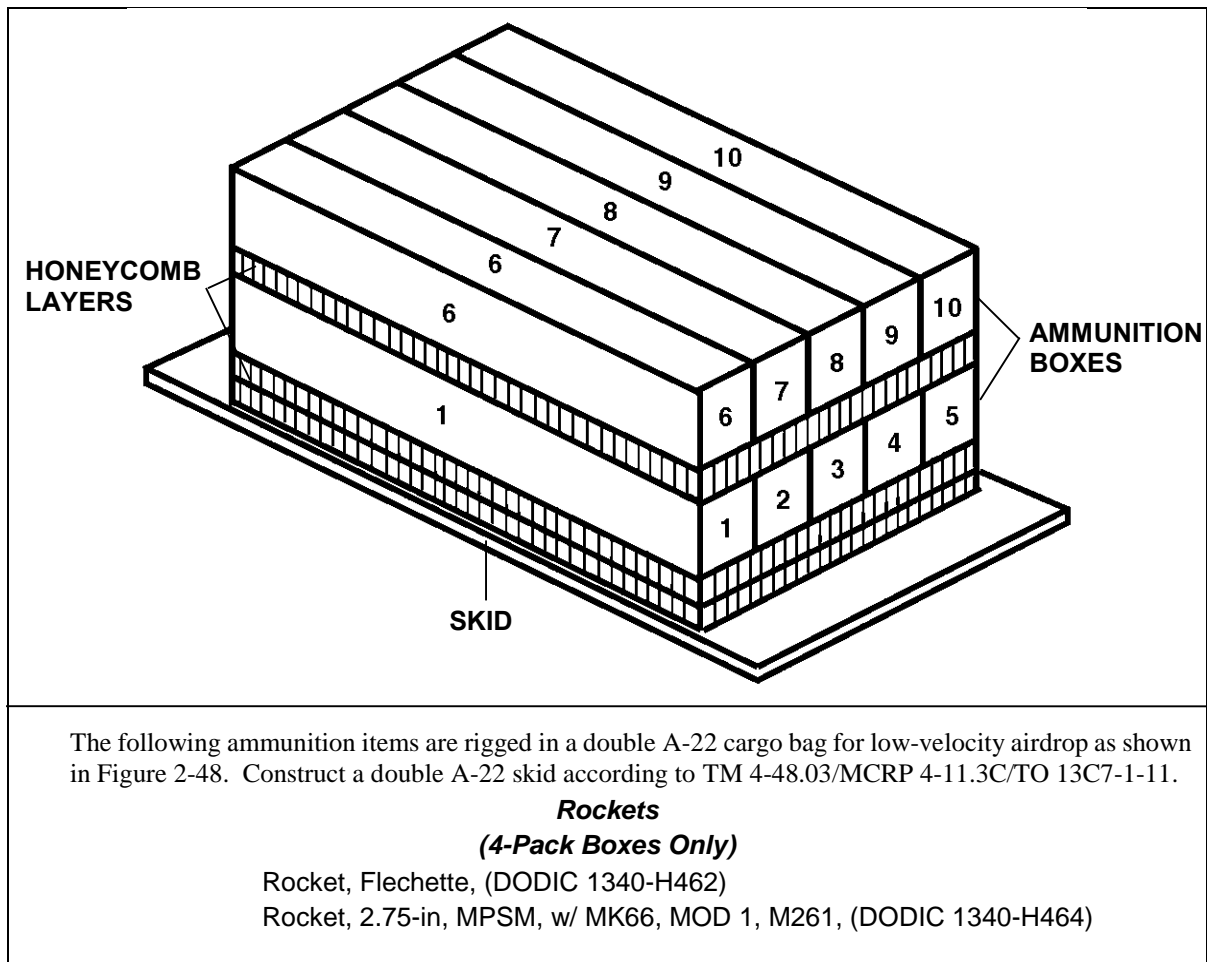
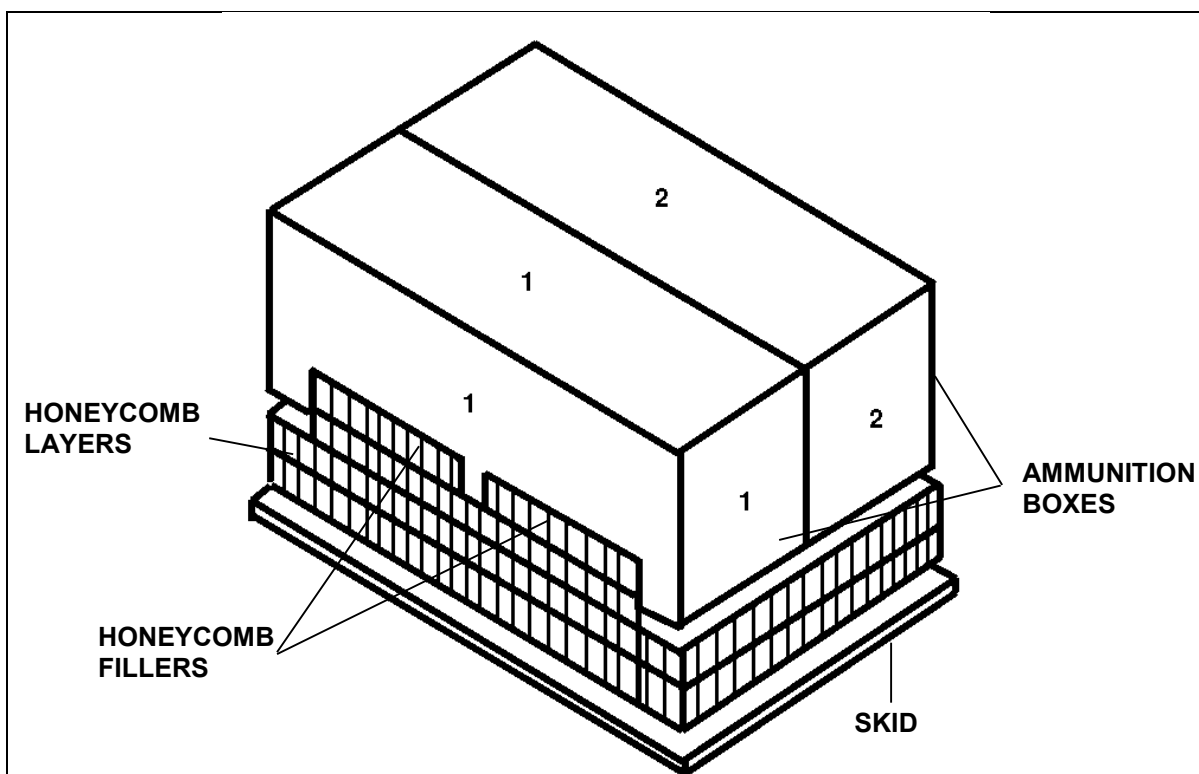


Figure 2-48. Ammunition layout in a double A-22 cargo bag for low-velocity airdrop



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

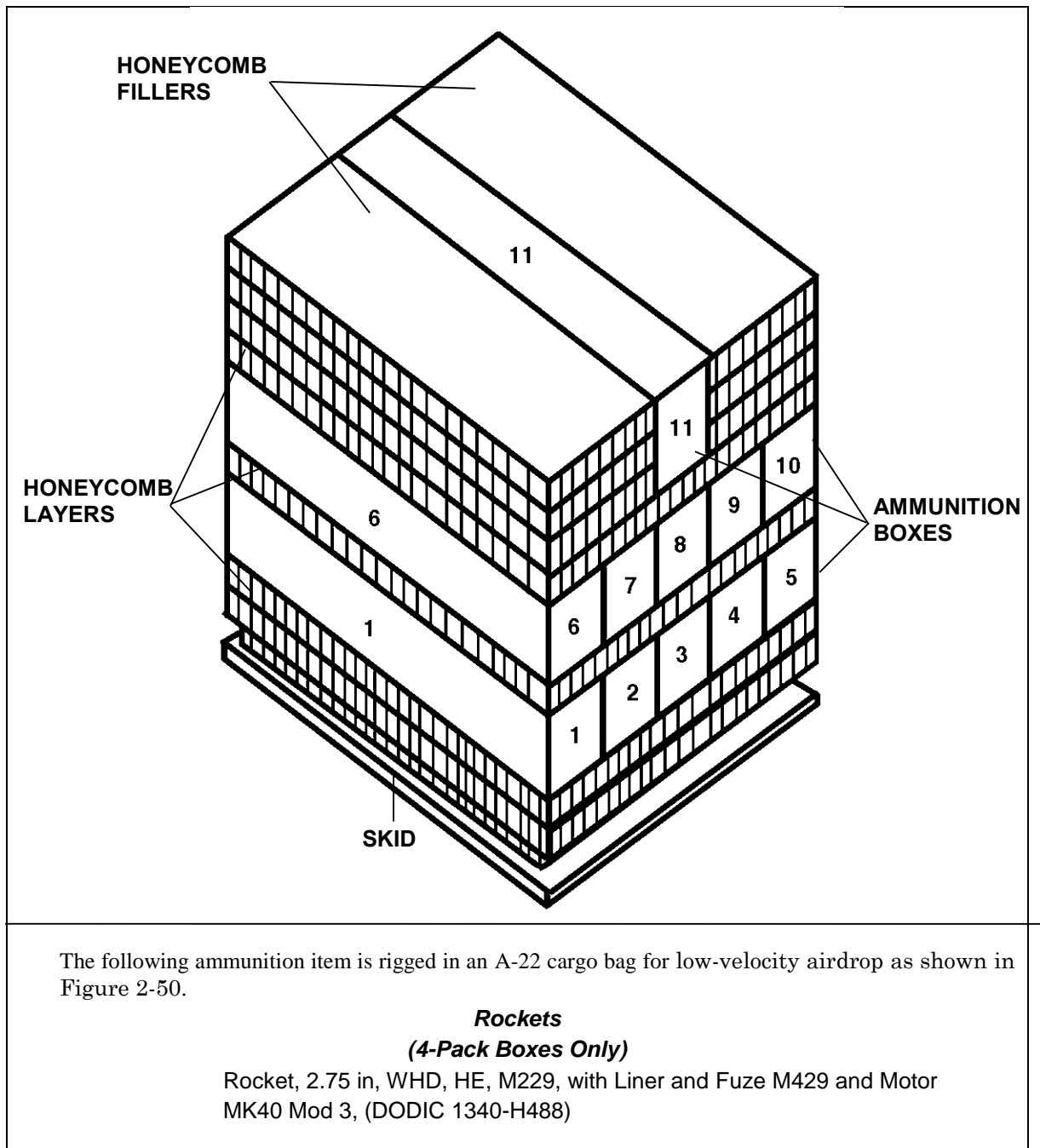


Figure 2-50. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

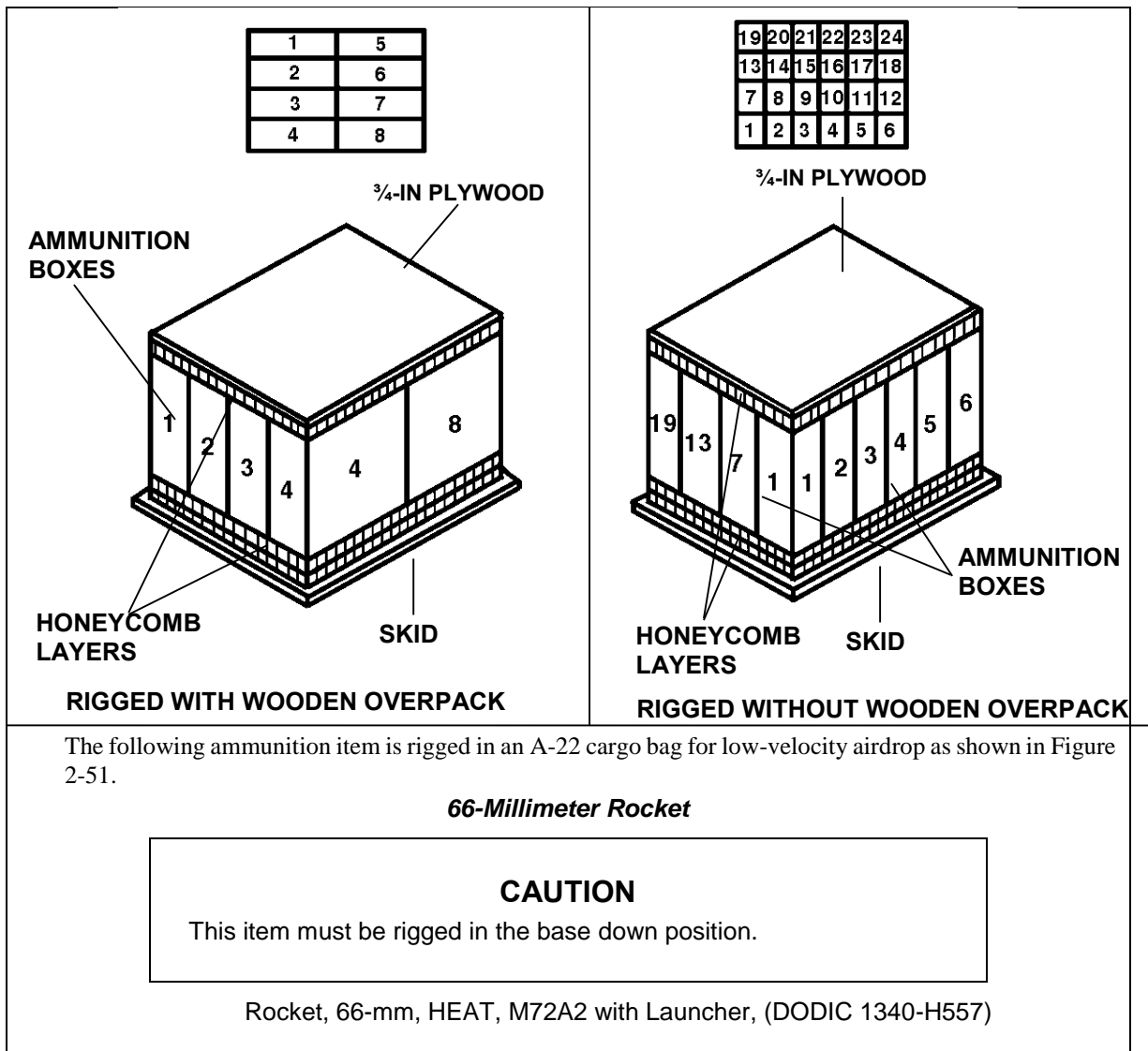


Figure 2-51. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

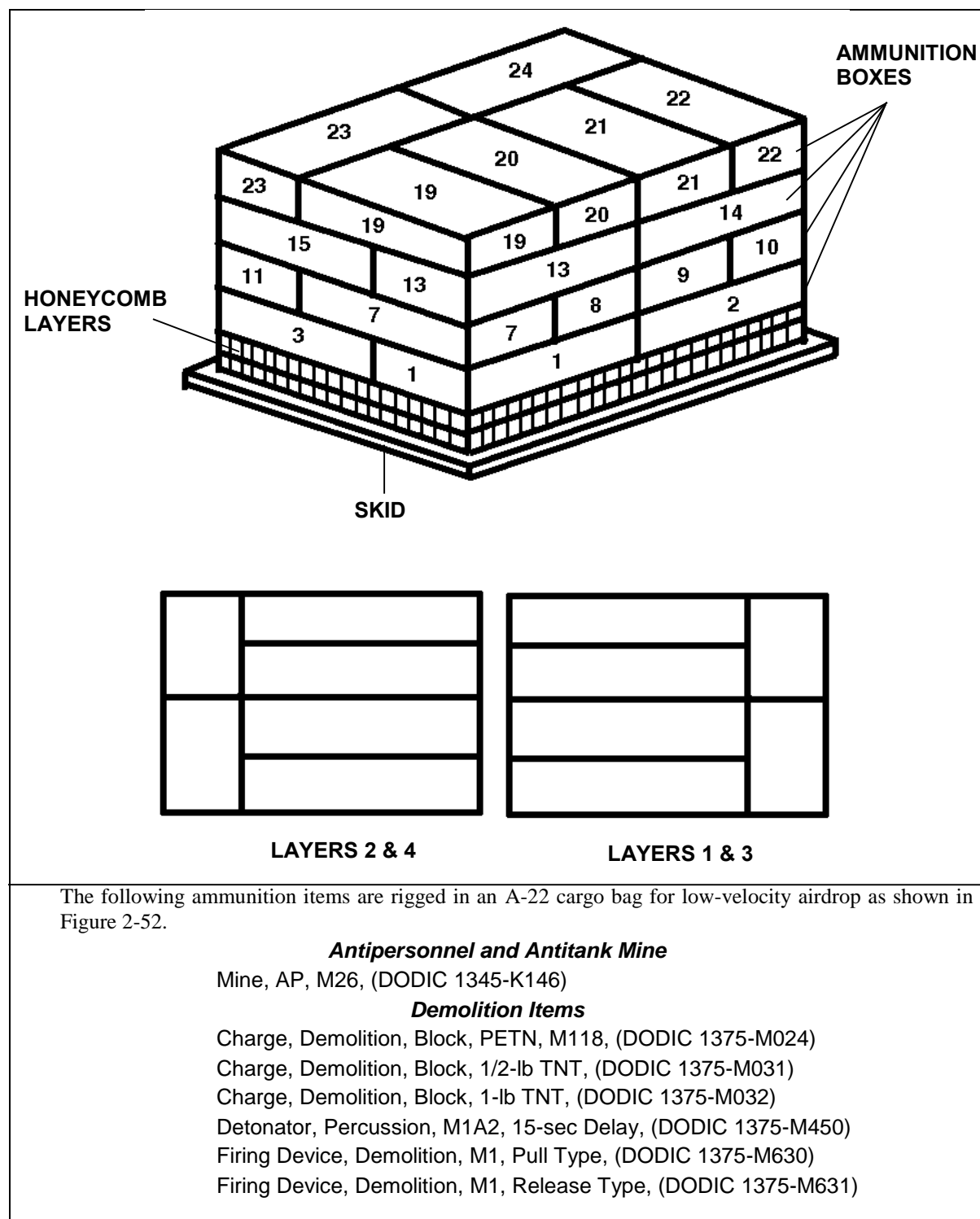


Figure 2-52. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

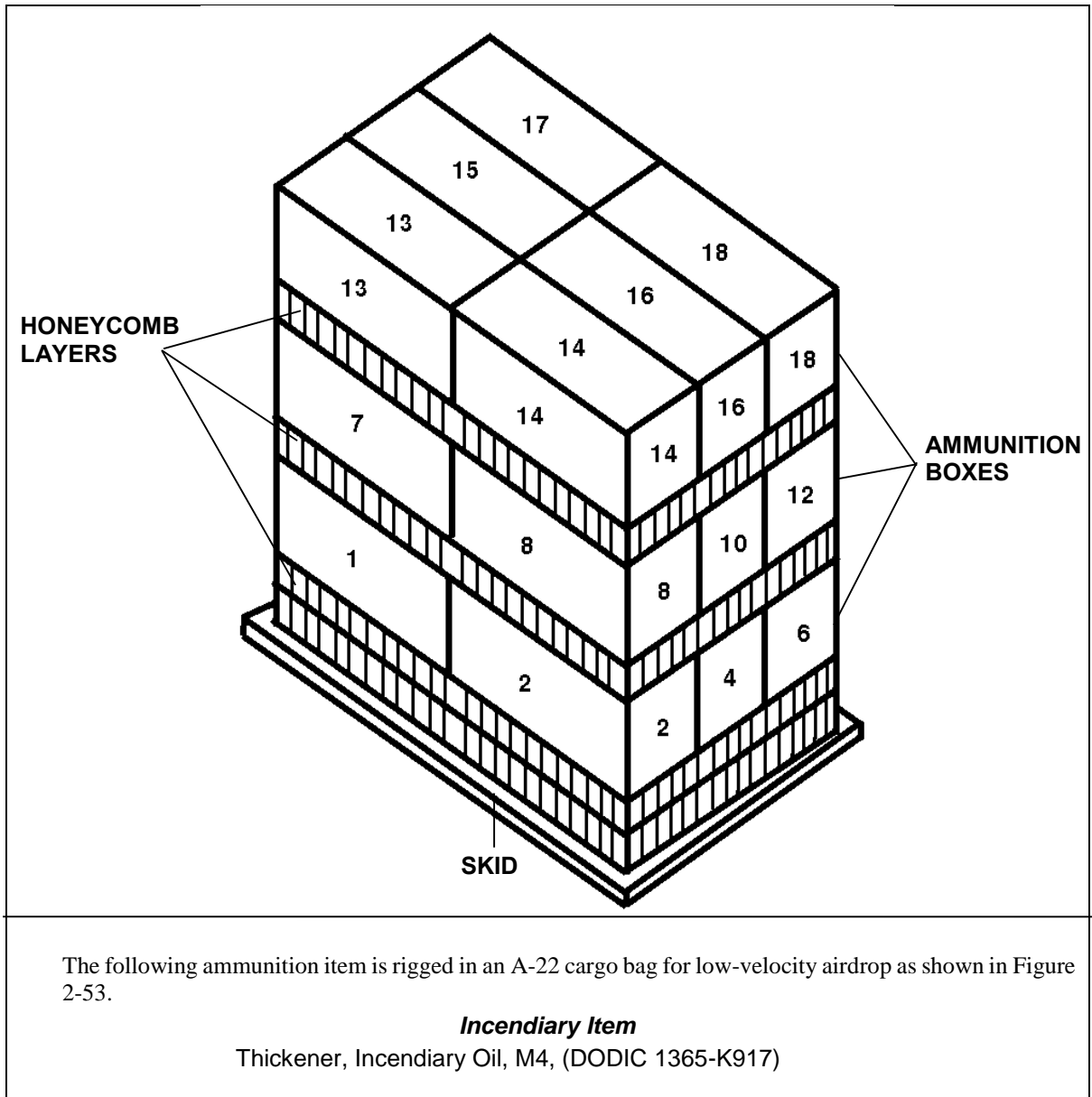


Figure 2-53. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

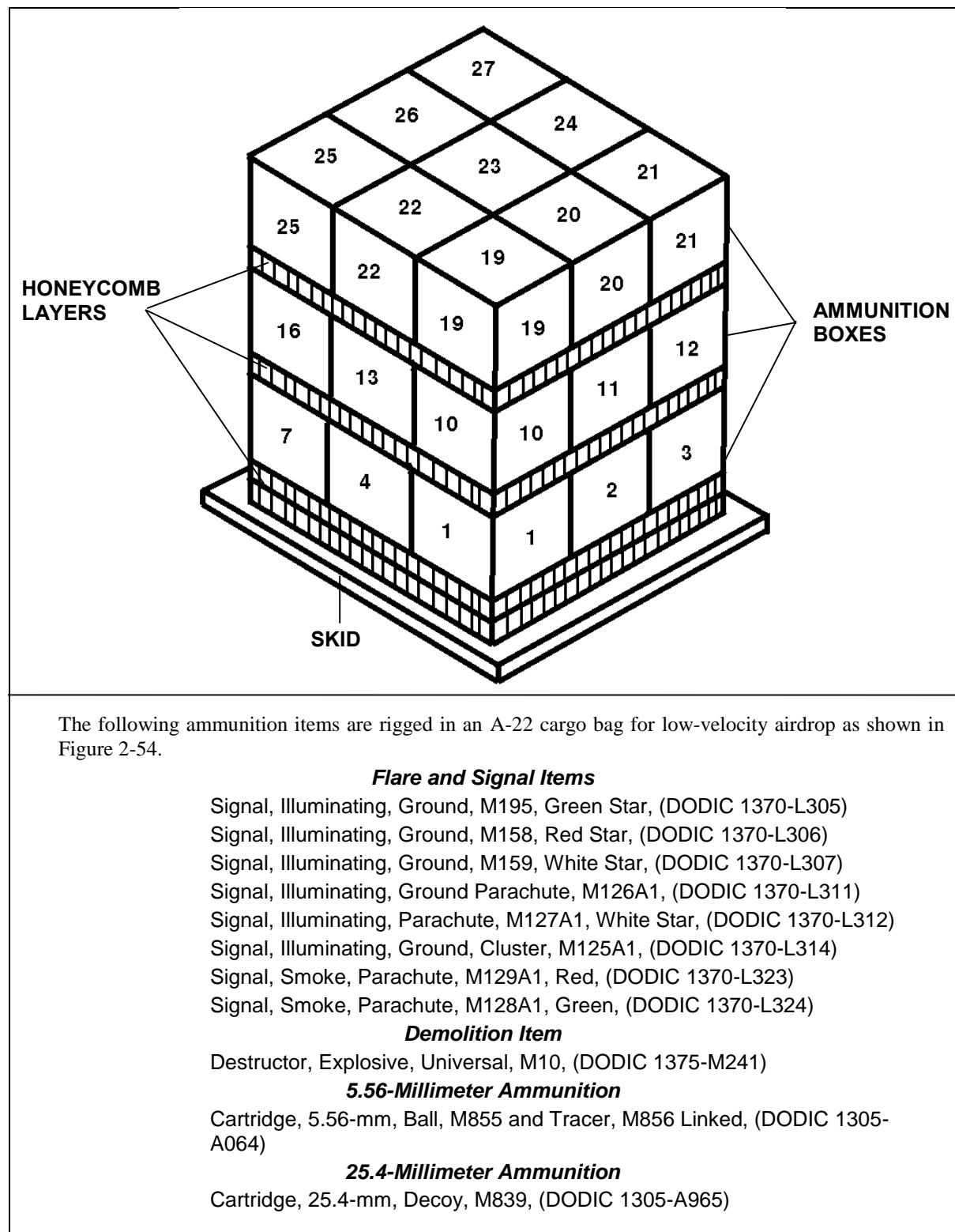


Figure 2-54. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

60-Millimeter Ammunition

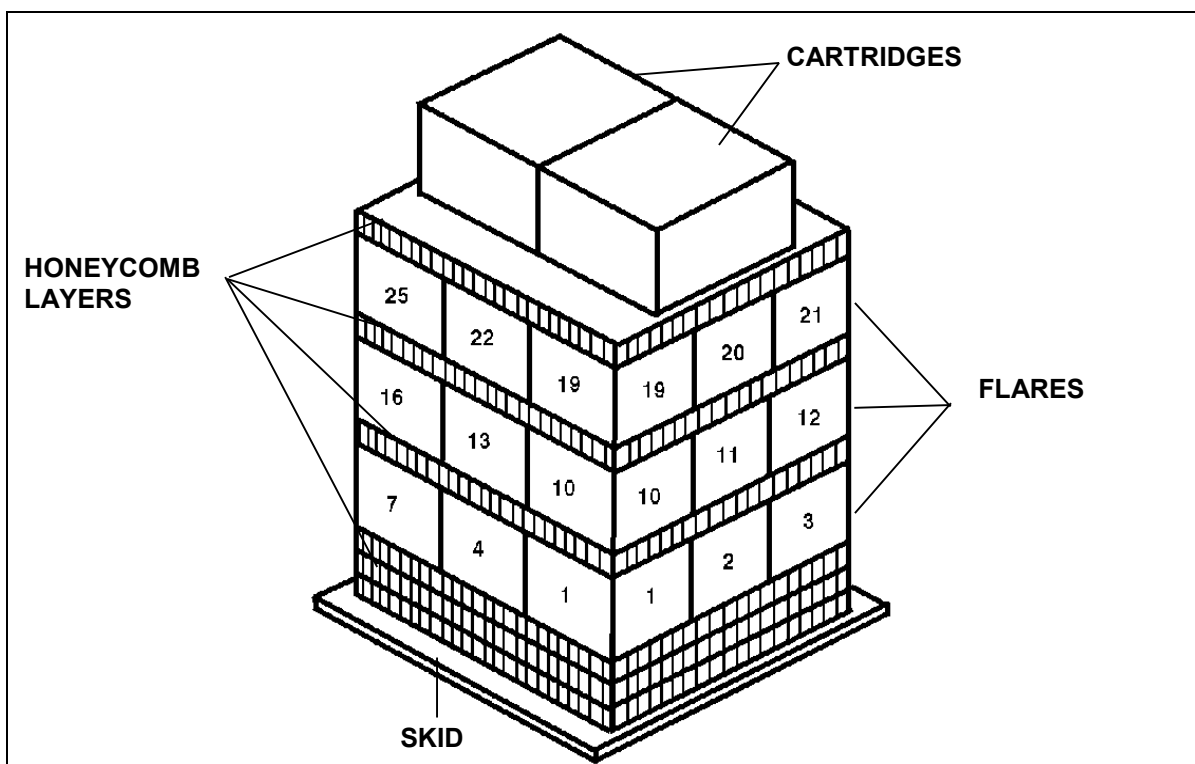
Note: When rigging 60-mm ammunition, reduce the number of layers of ammunition boxes from three to two.

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)

Figure 2-54. 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

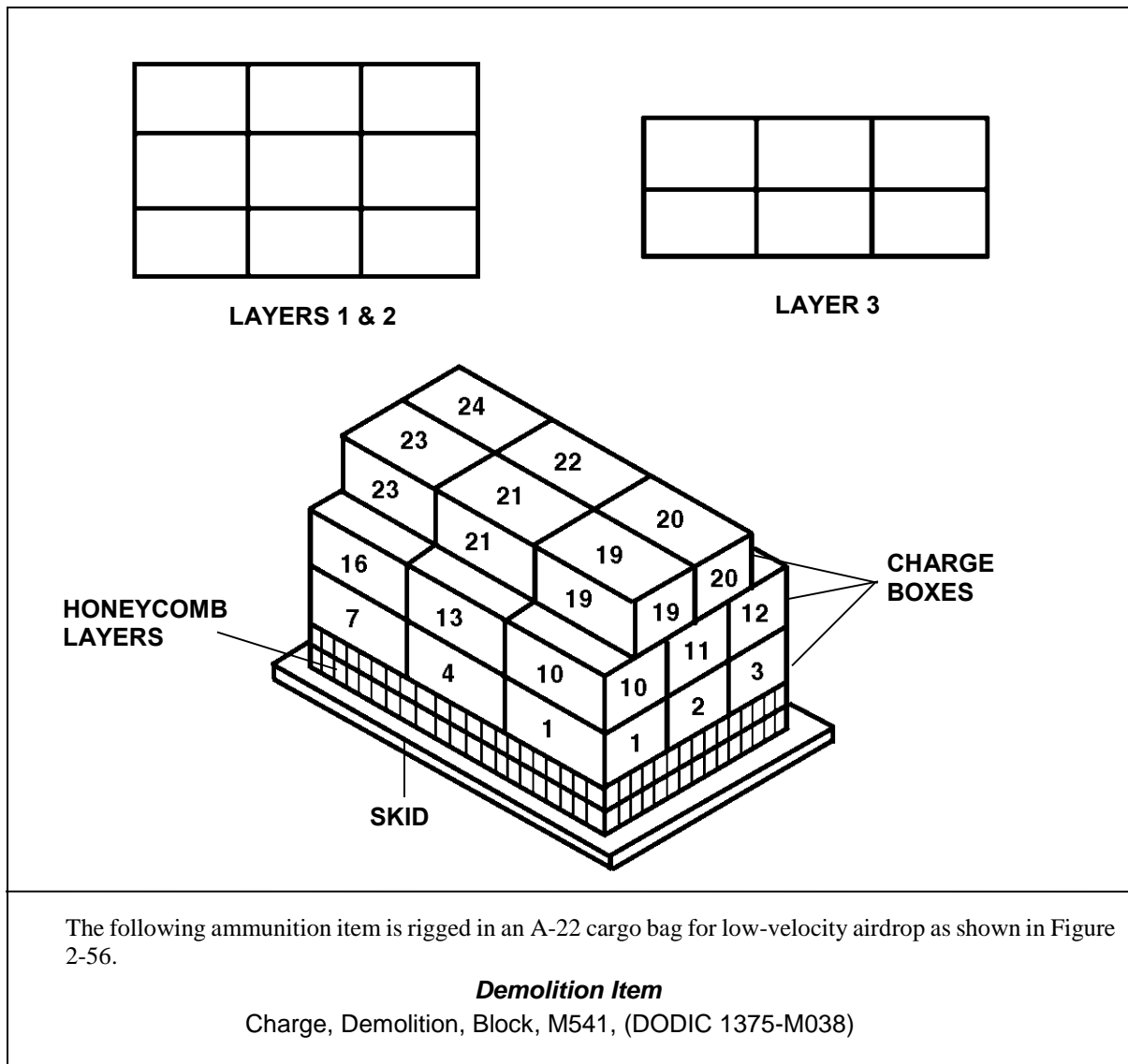


Figure 2-56. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

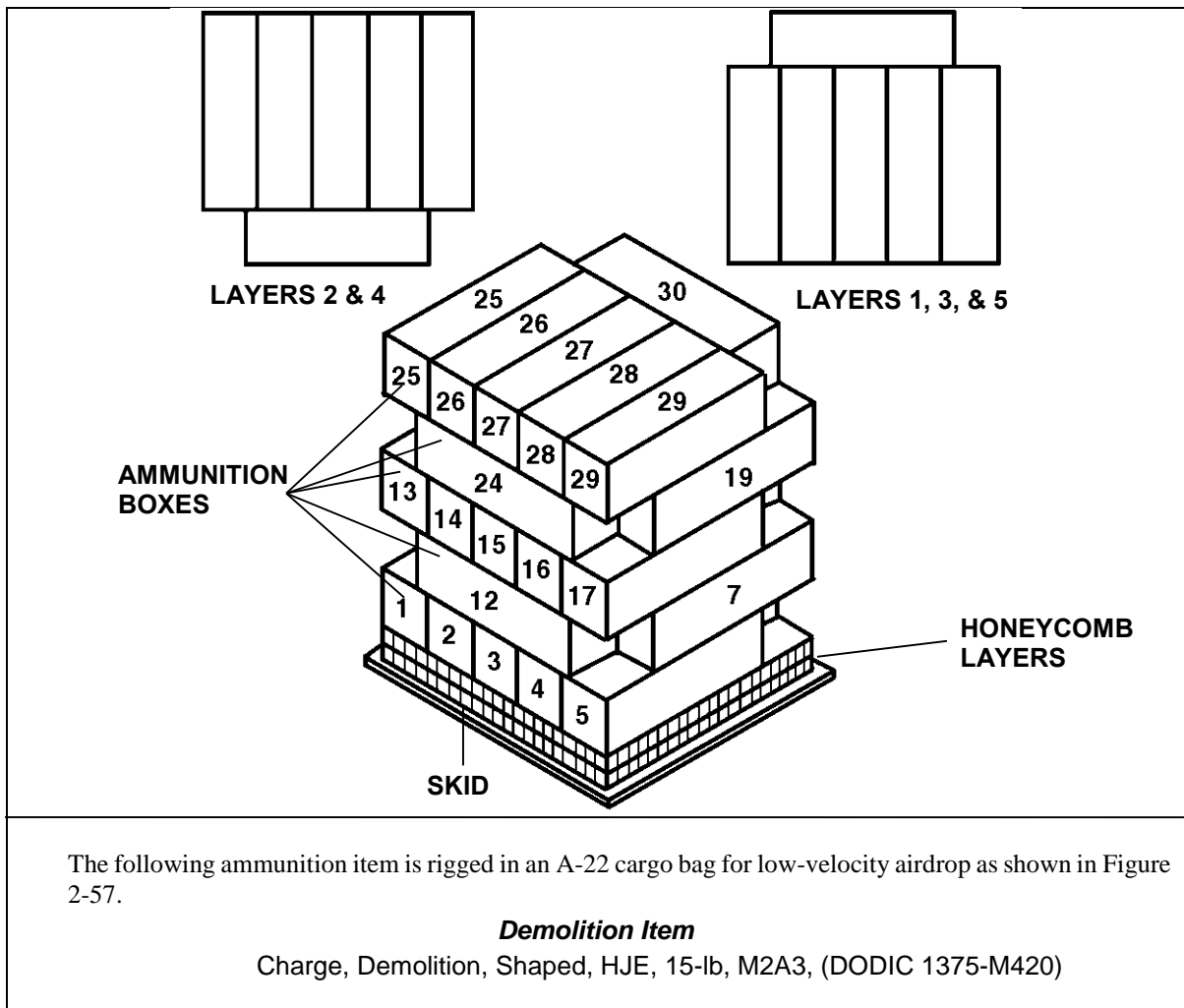


Figure 2-57. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

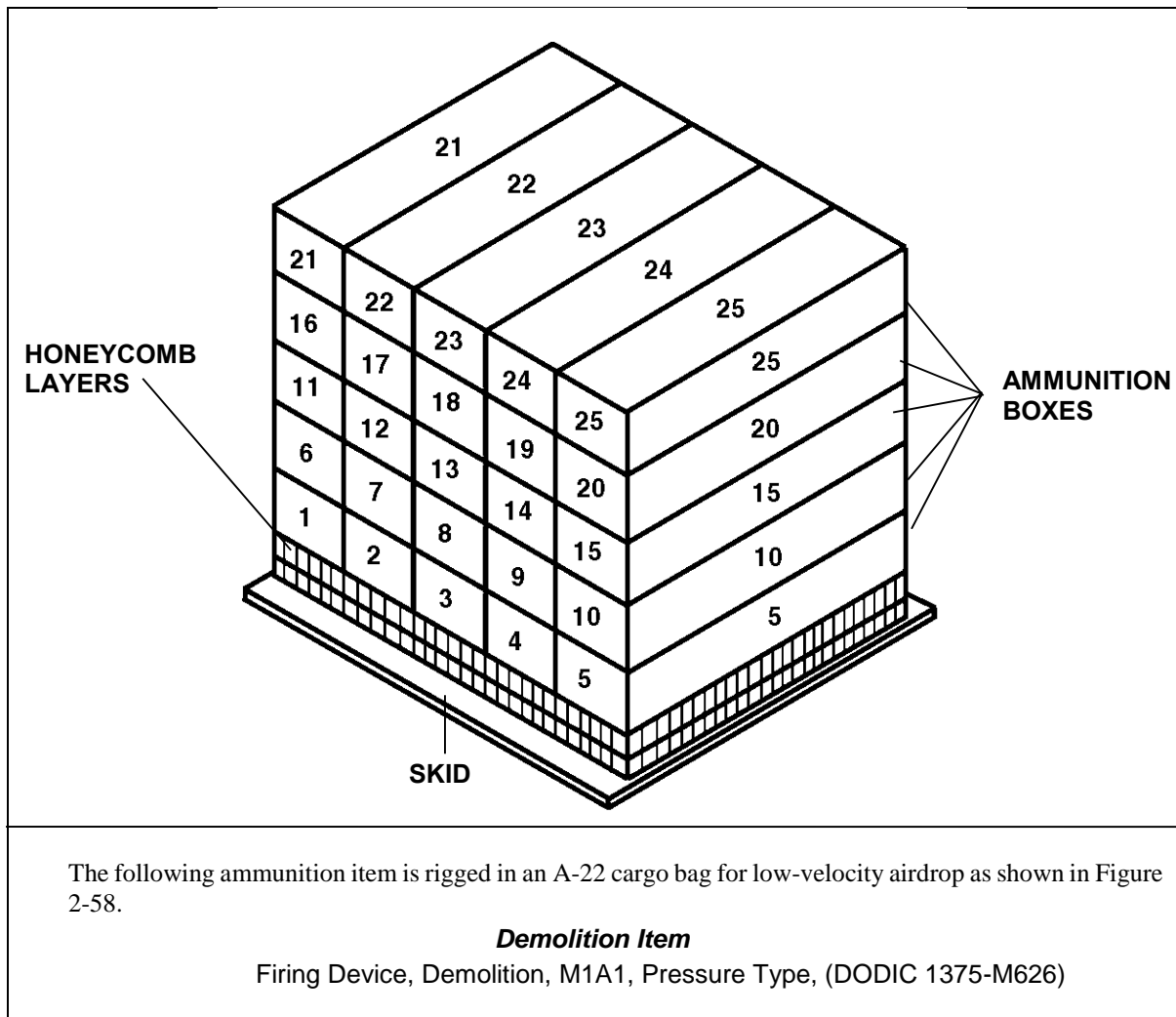


Figure 2-58. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

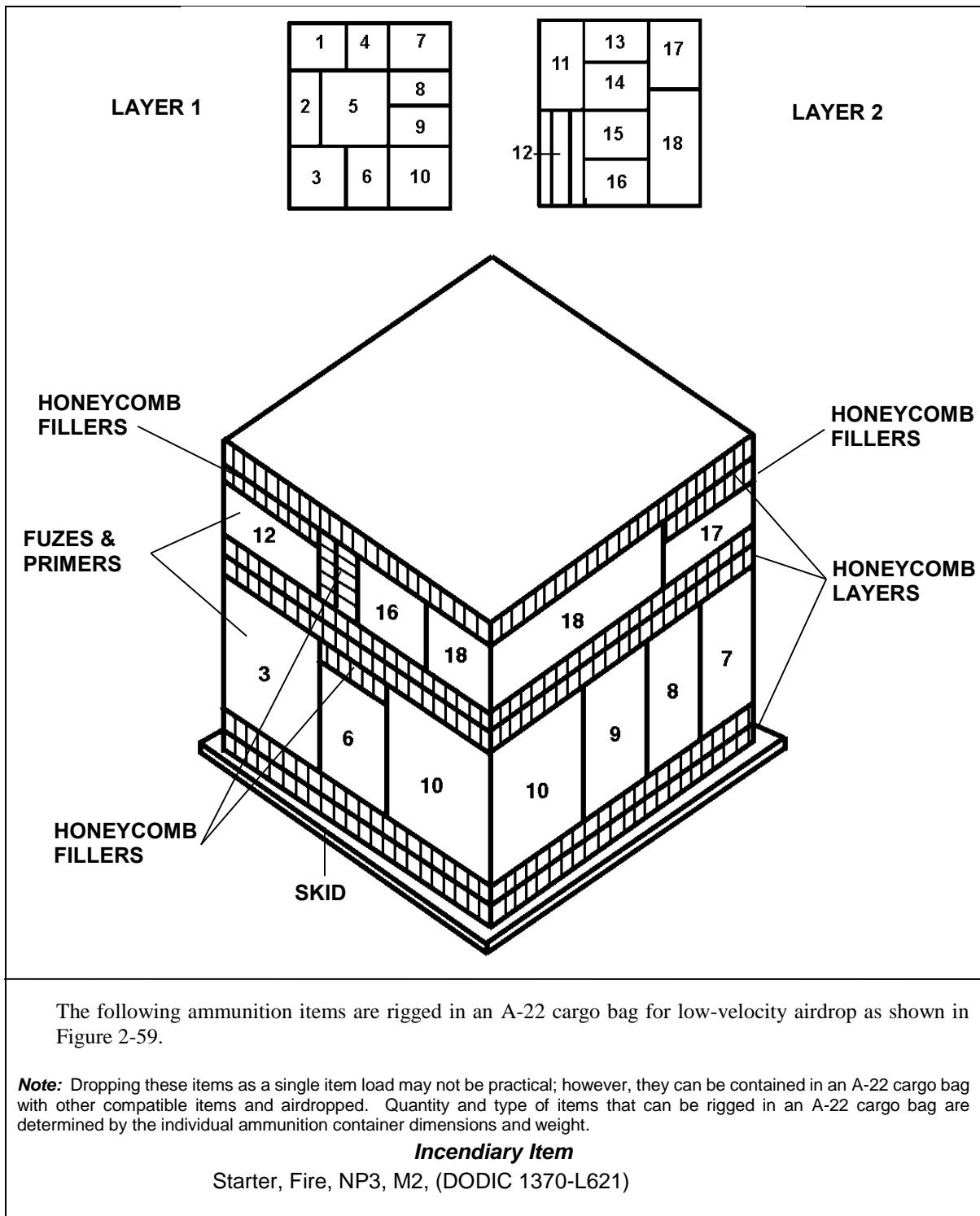


Figure 2-59. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

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 must 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)
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)

Figure 2-59. Ammunition layout in an A-22 cargo bag for low-velocity airdrop (continued)

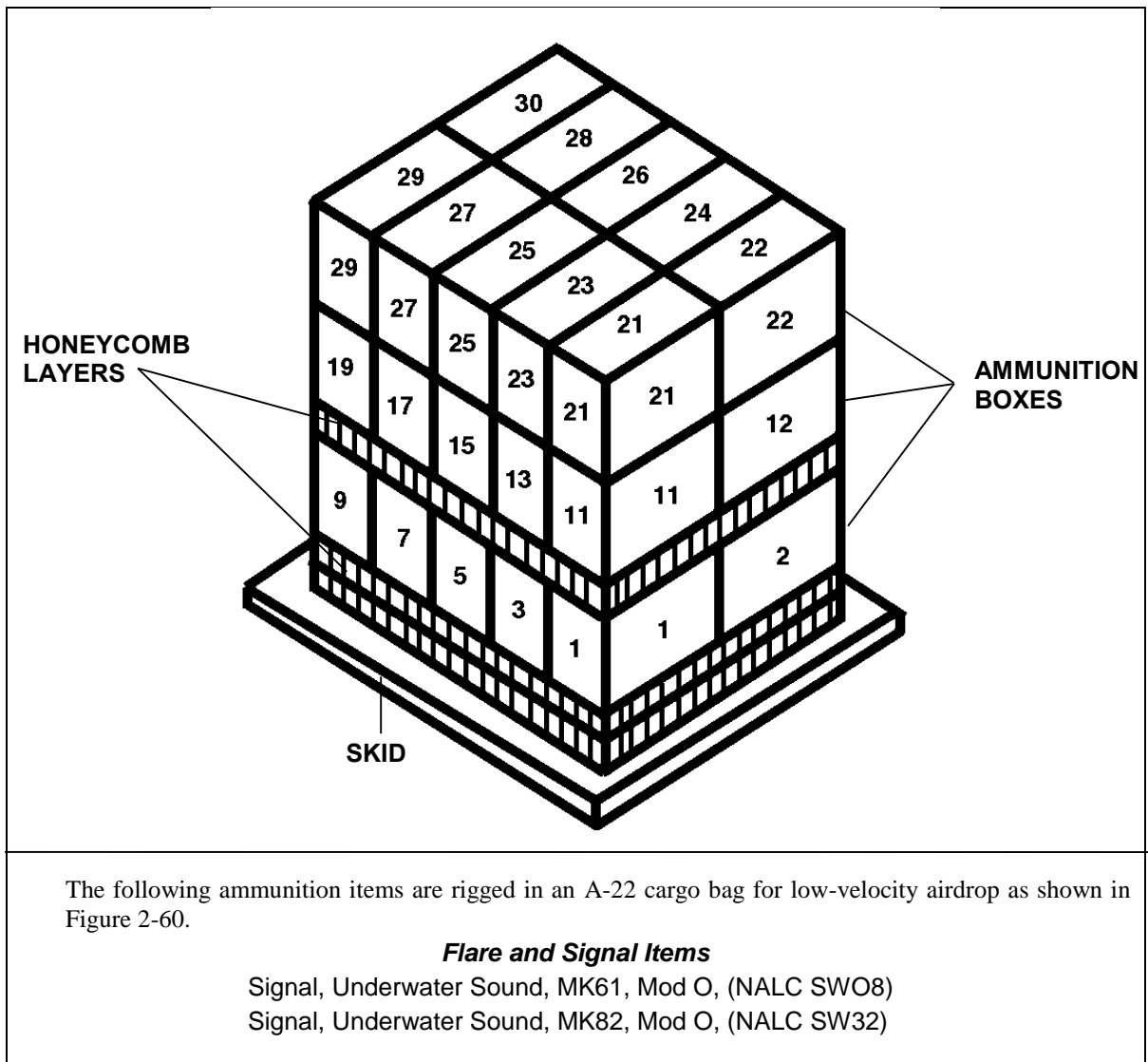


Figure 2-60. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

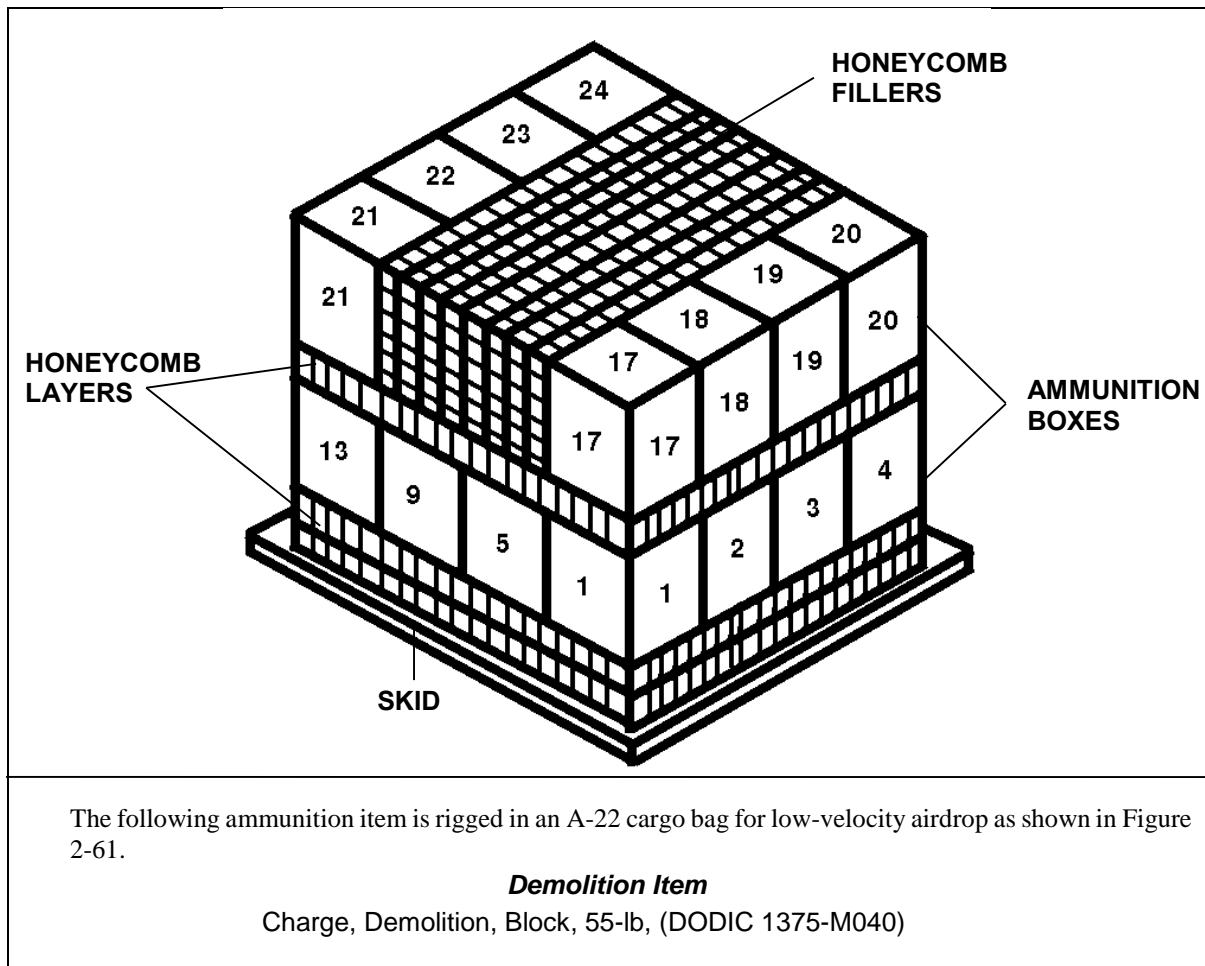
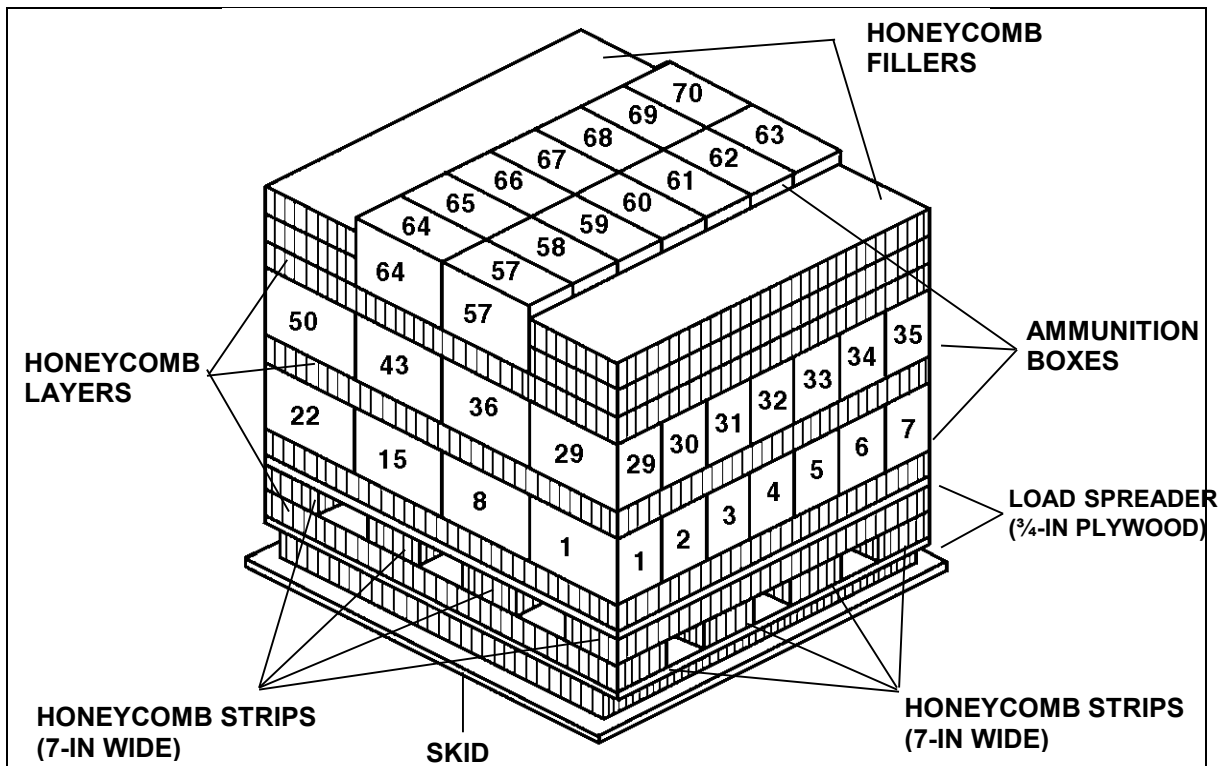


Figure 2-61. Ammunition layout in an A-22 cargo bag for low-velocity airdrop



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

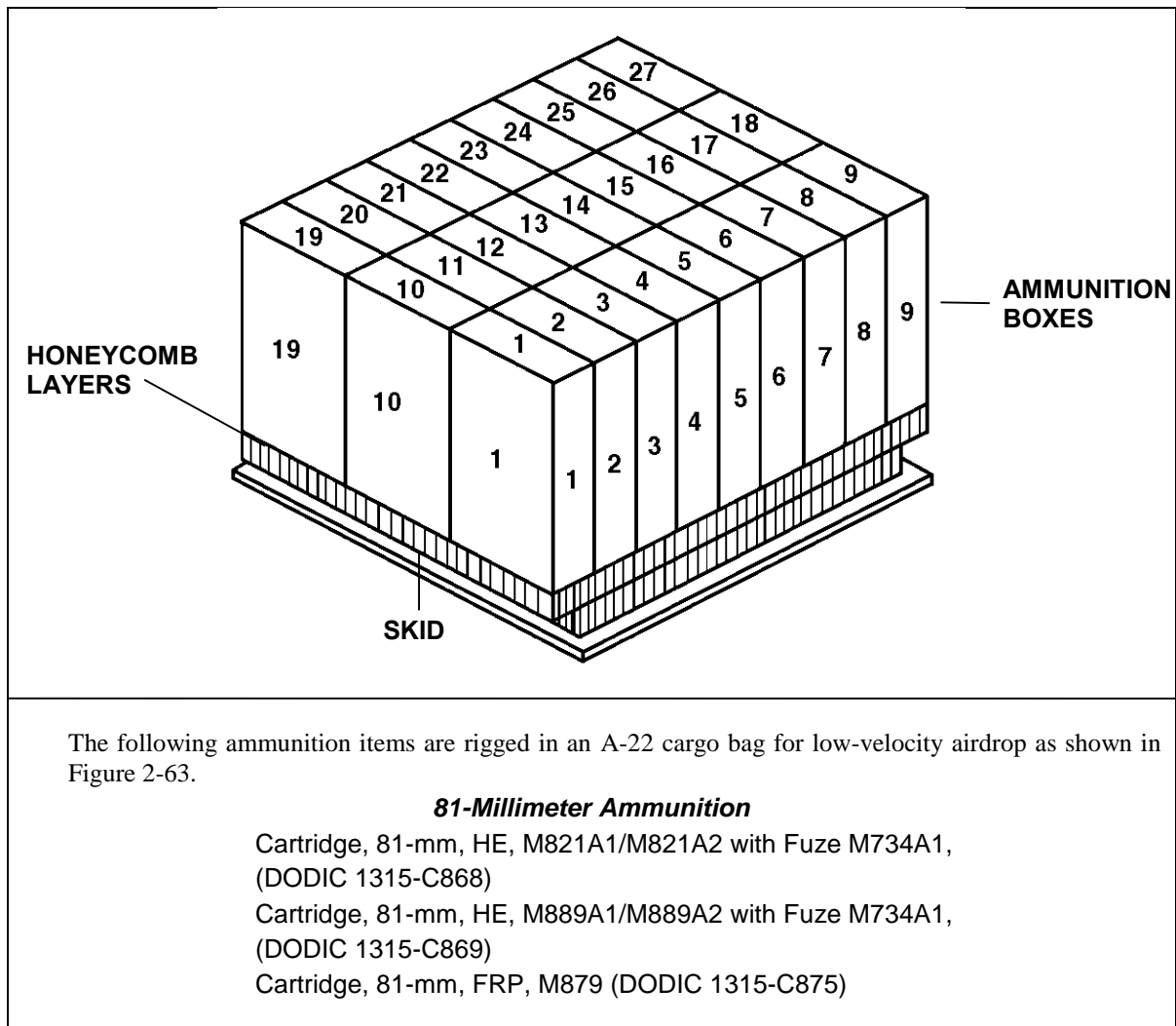


Figure 2-63. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

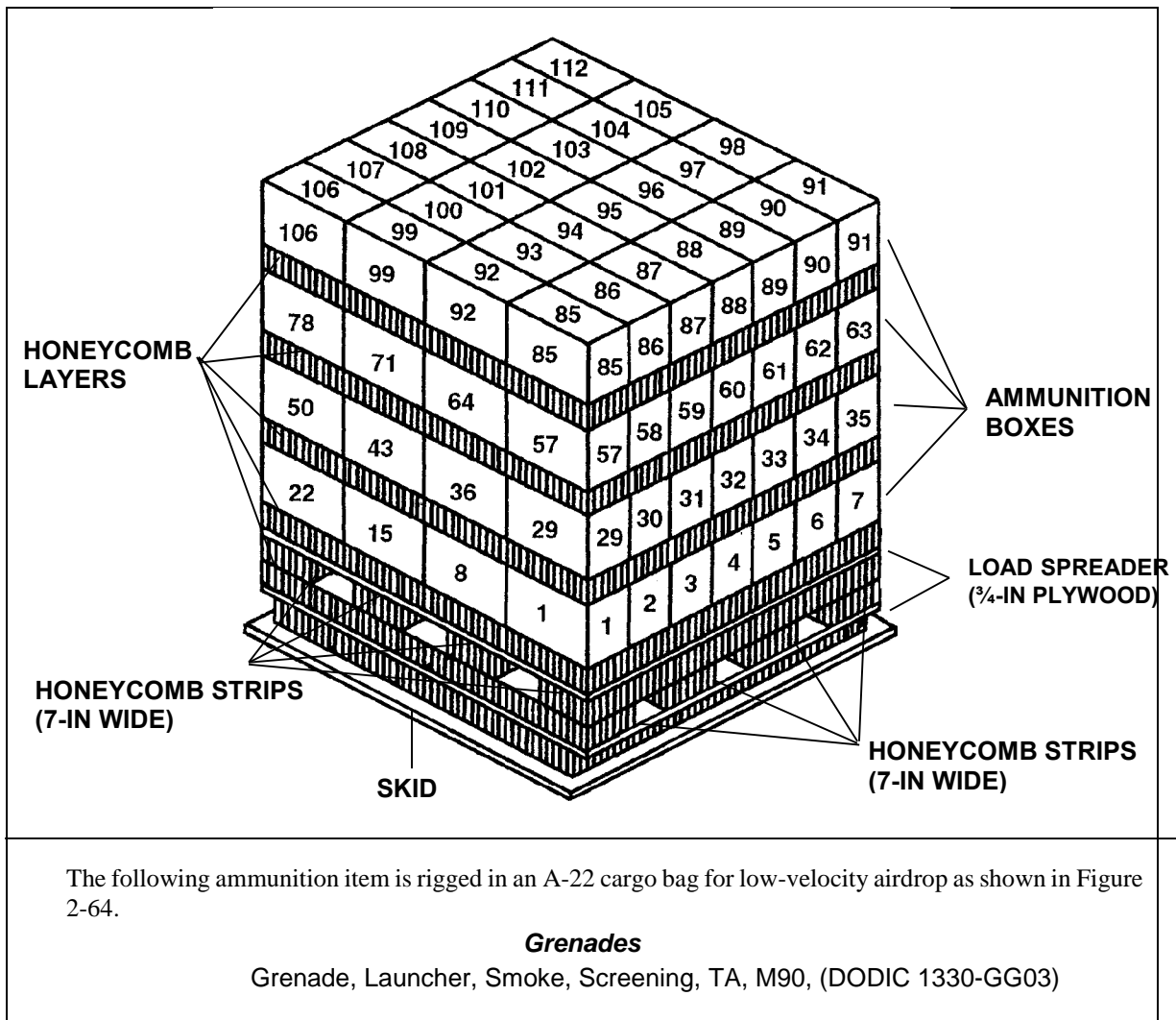


Figure 2-64. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

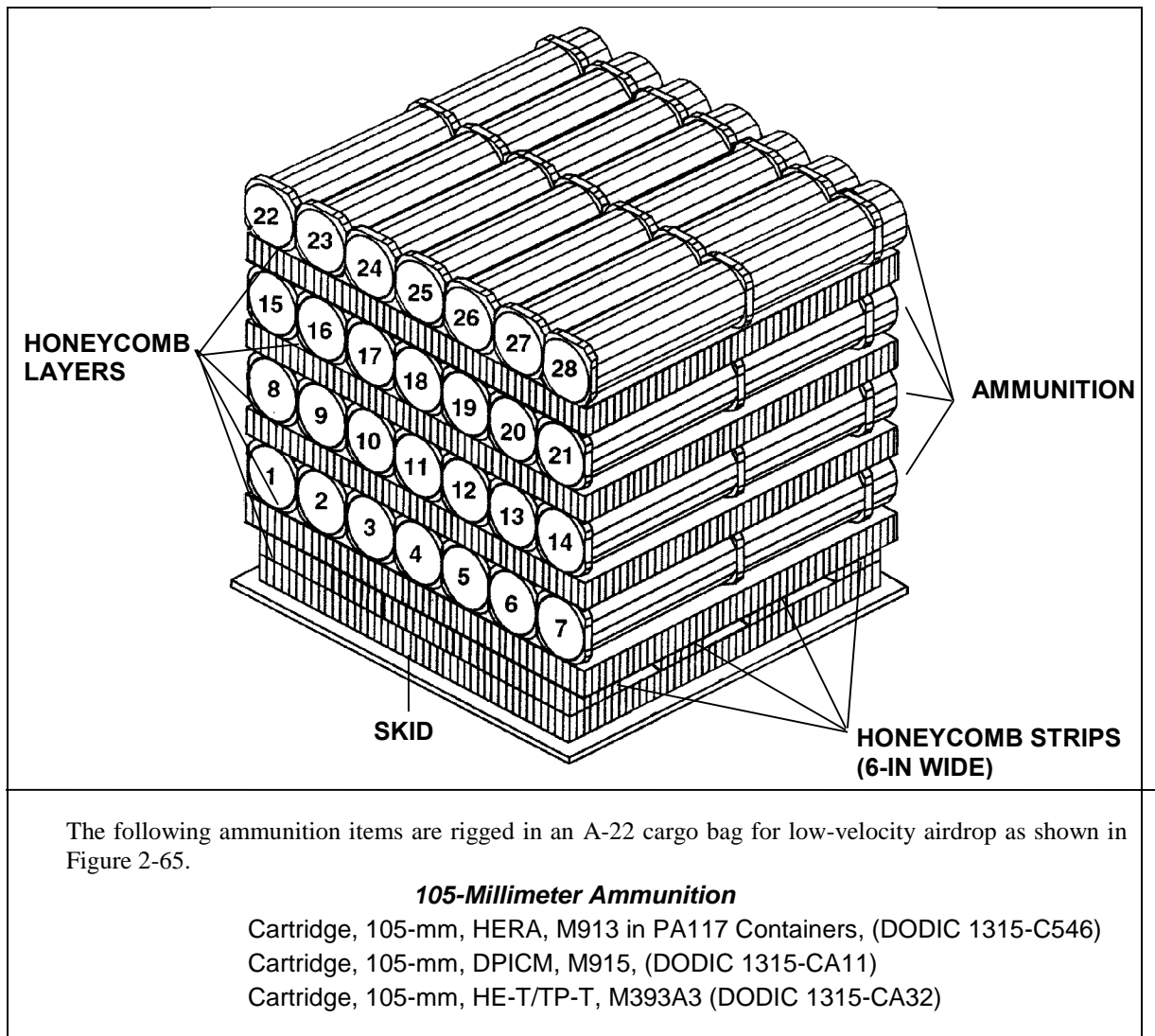


Figure 2-65. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

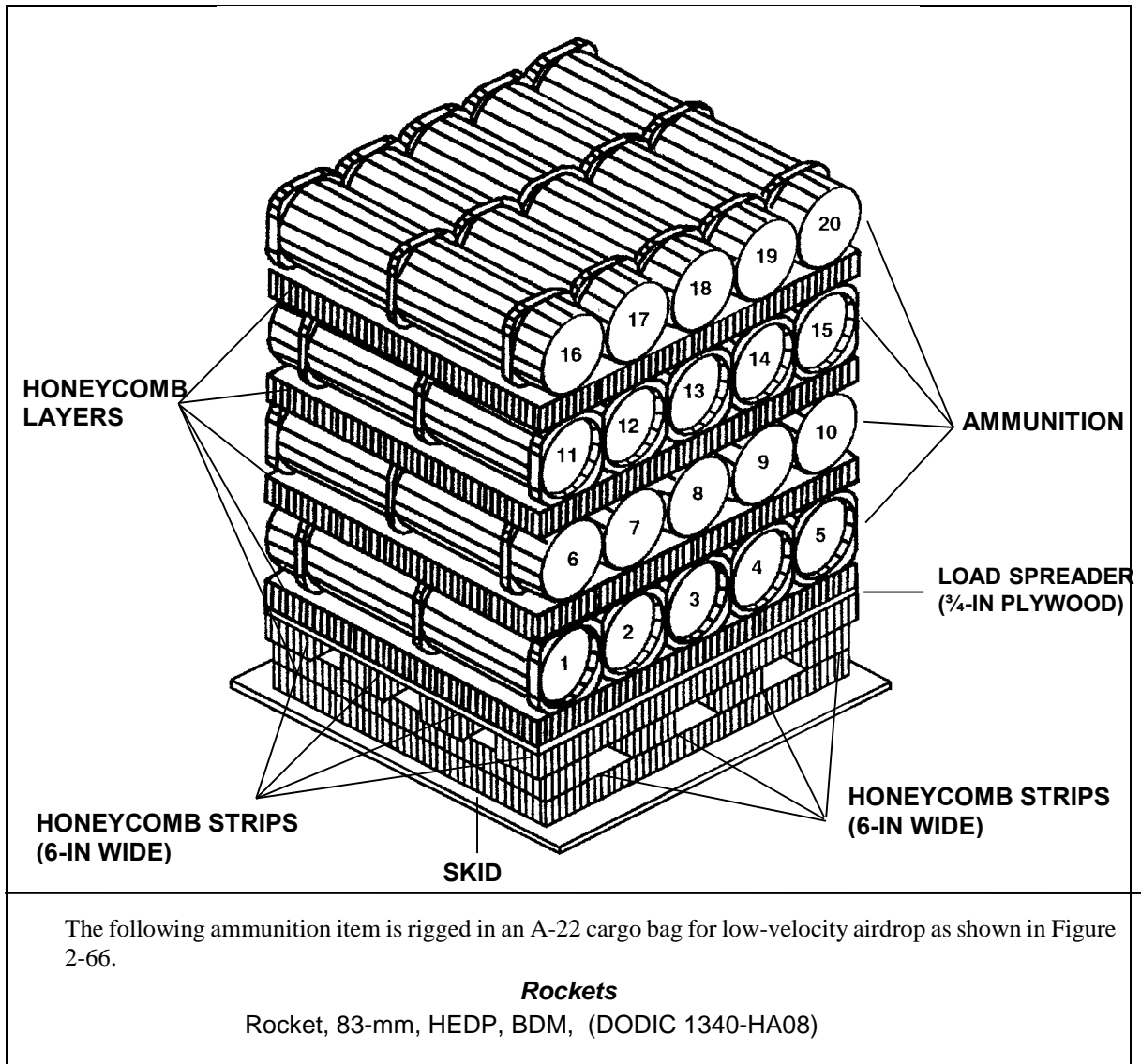
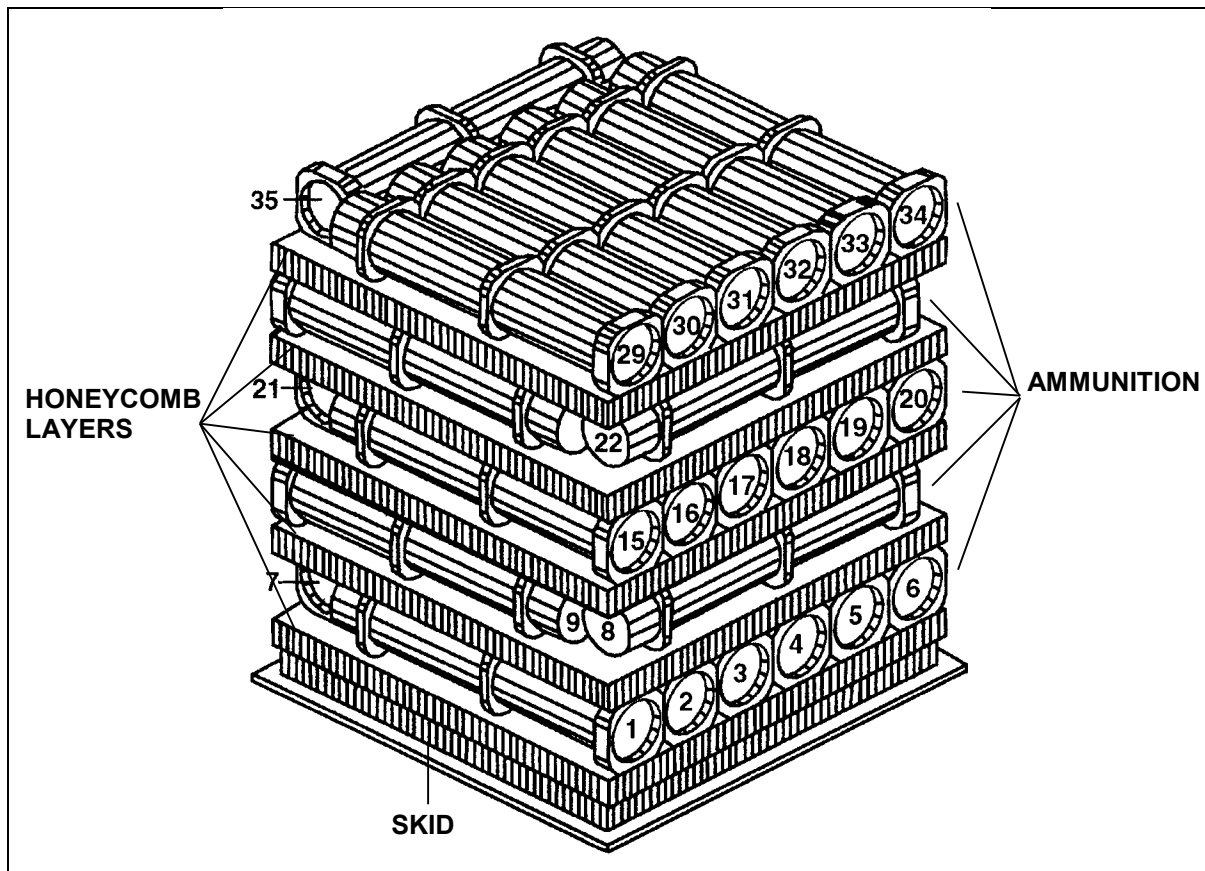


Figure 2-66. Ammunition layout in an A-22 cargo bag for low-velocity airdrop



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

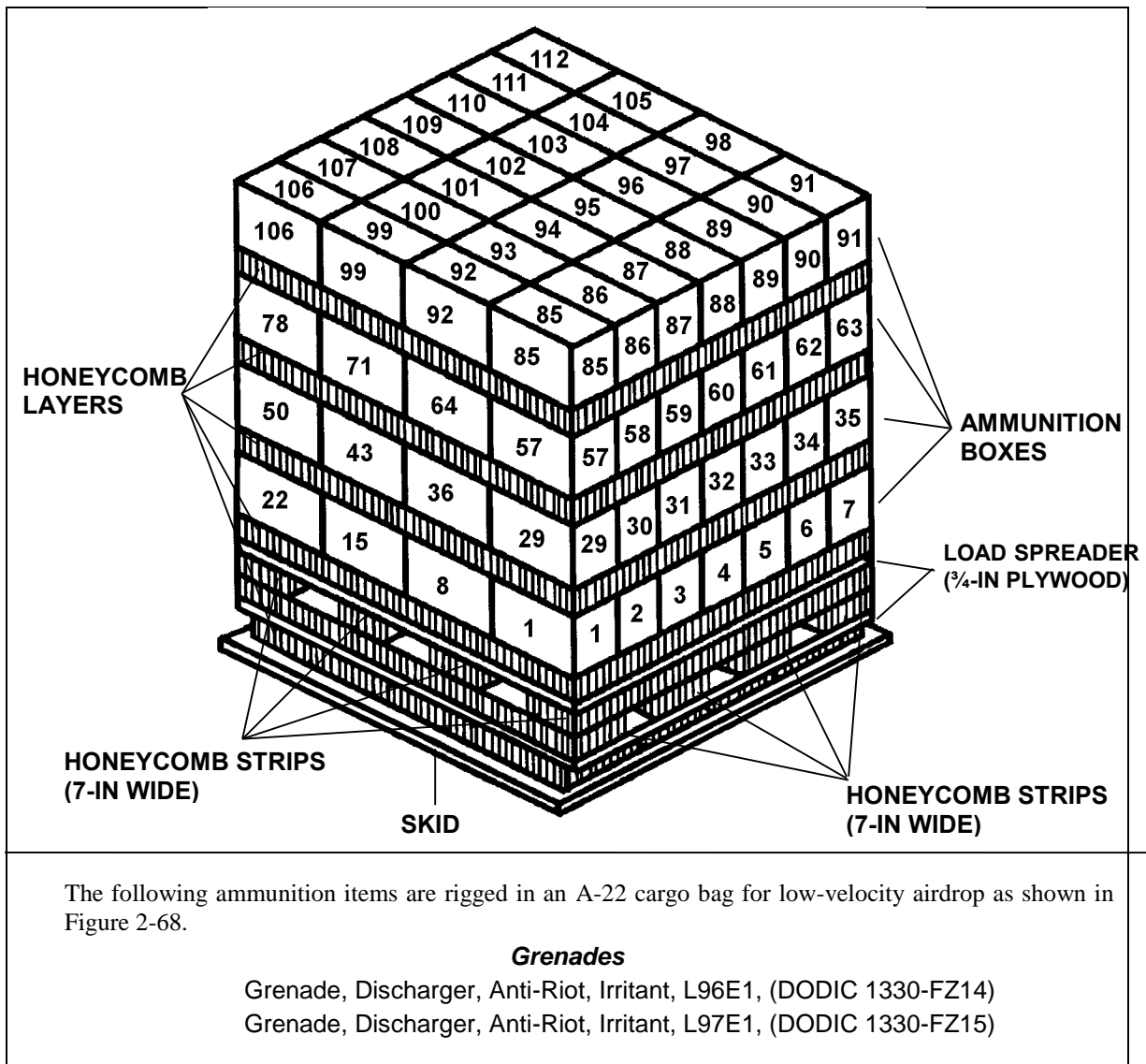
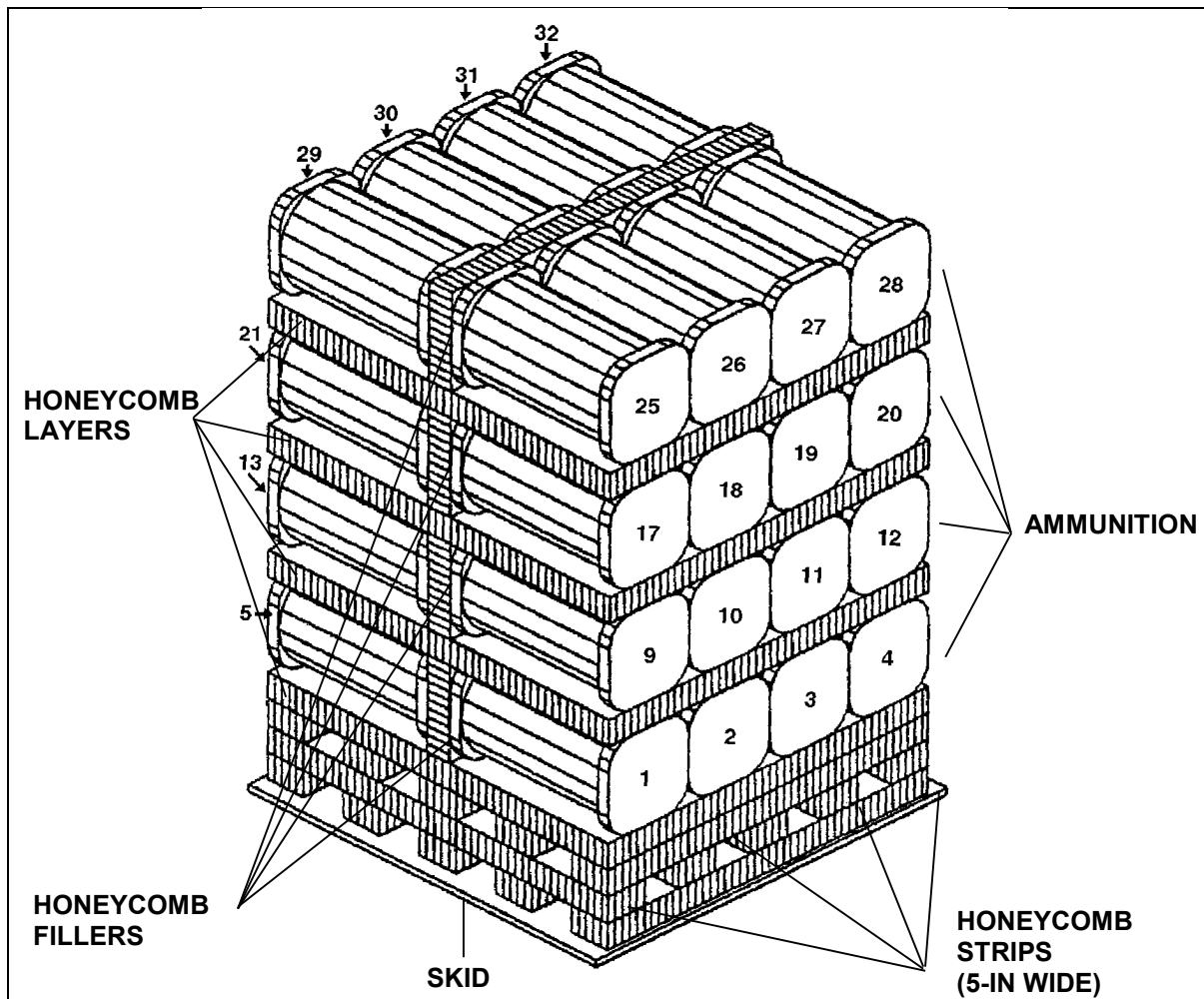


Figure 2-68. Ammunition layout in an A-22 cargo bag for low-velocity airdrop



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

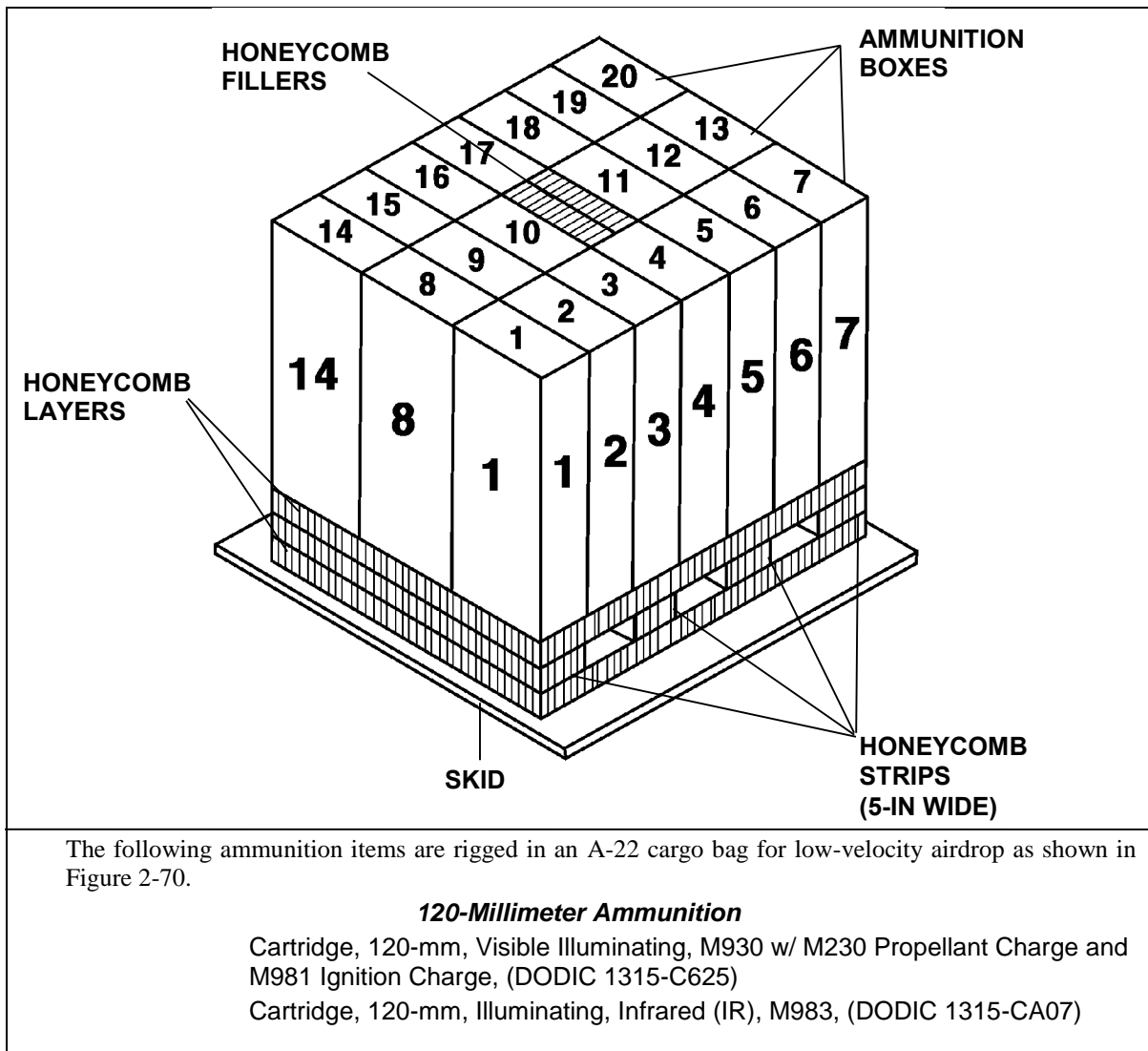


Figure 2-70. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

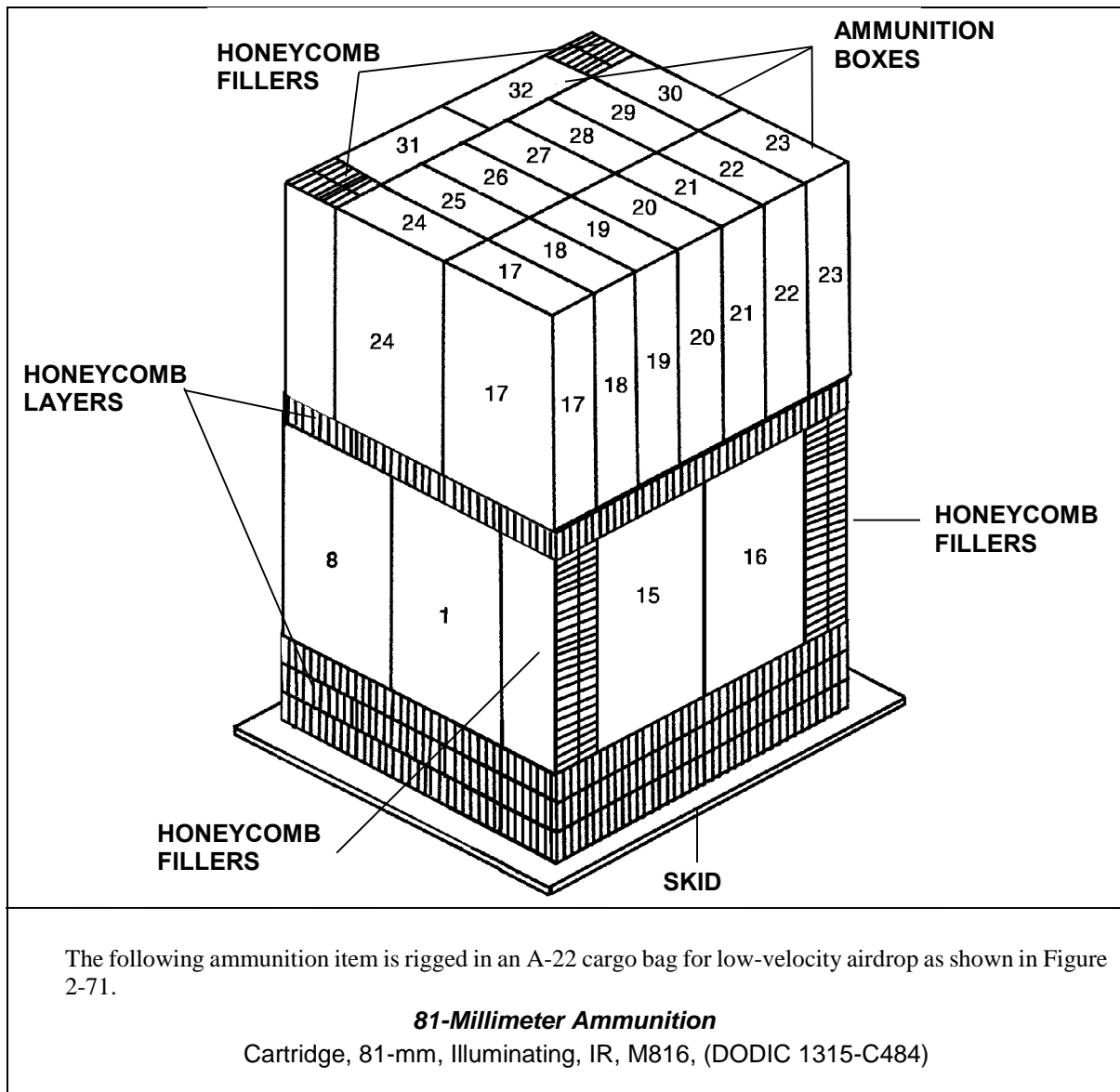


Figure 2-71. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

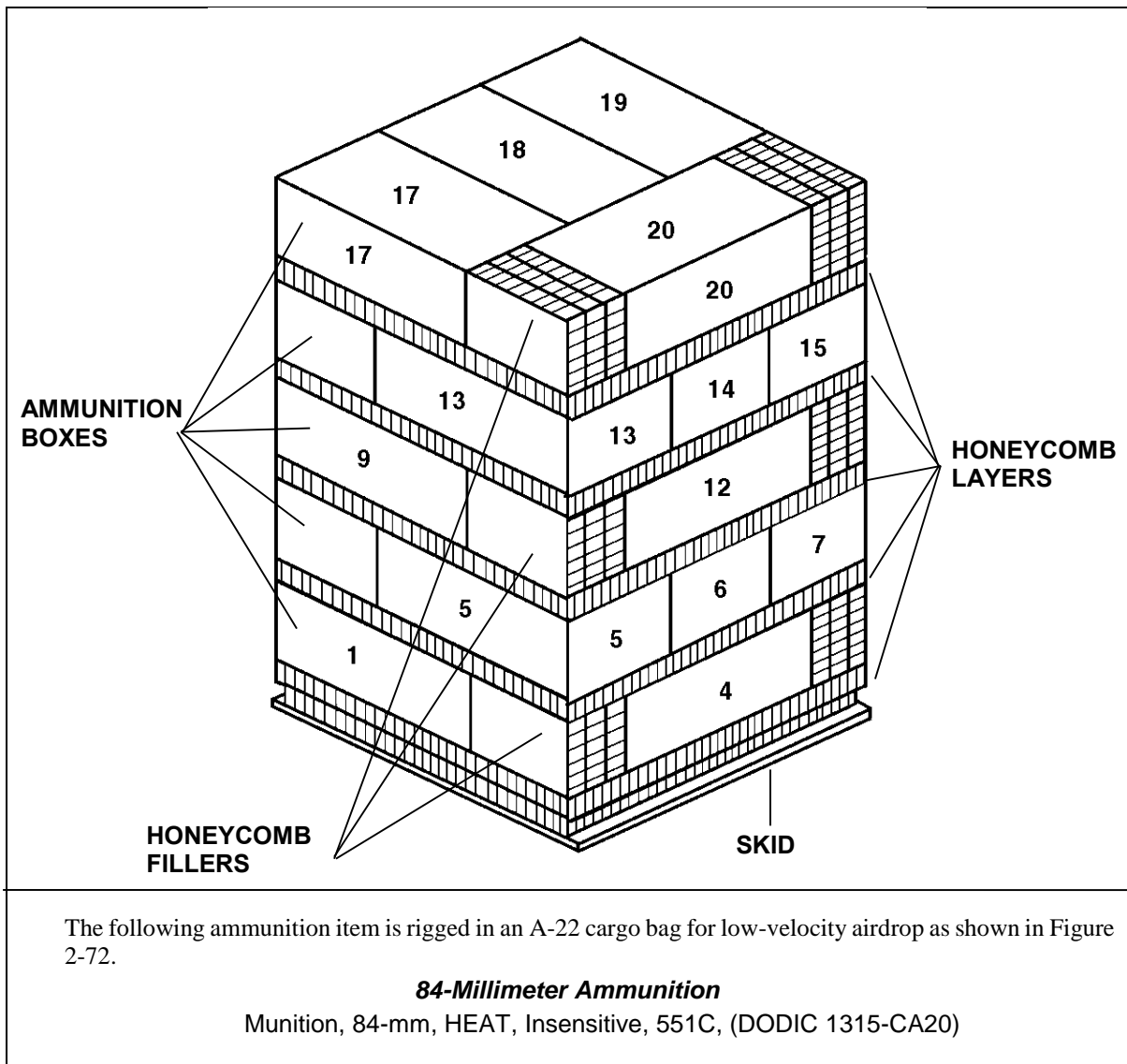


Figure 2-72. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

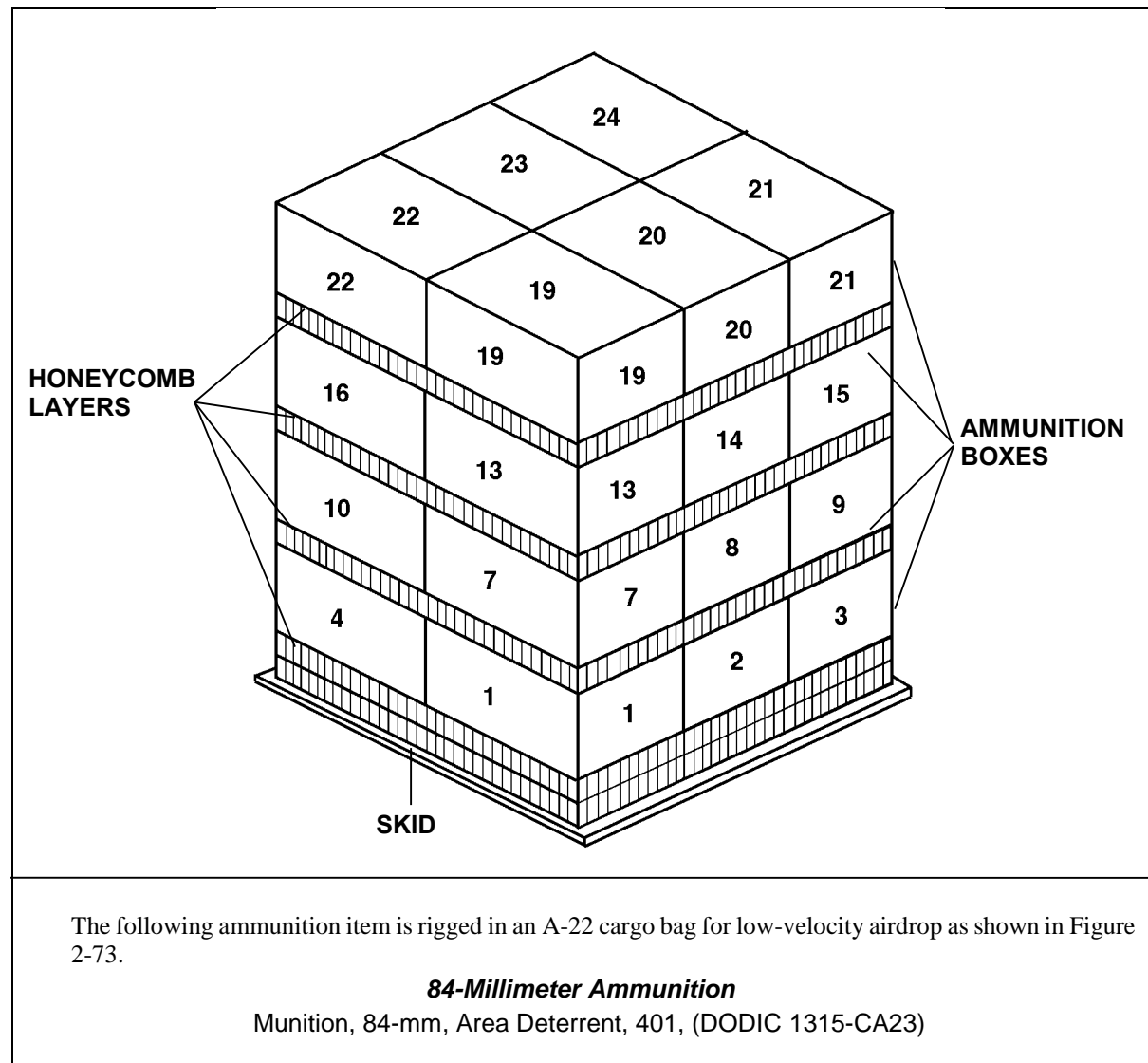


Figure 2-73. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

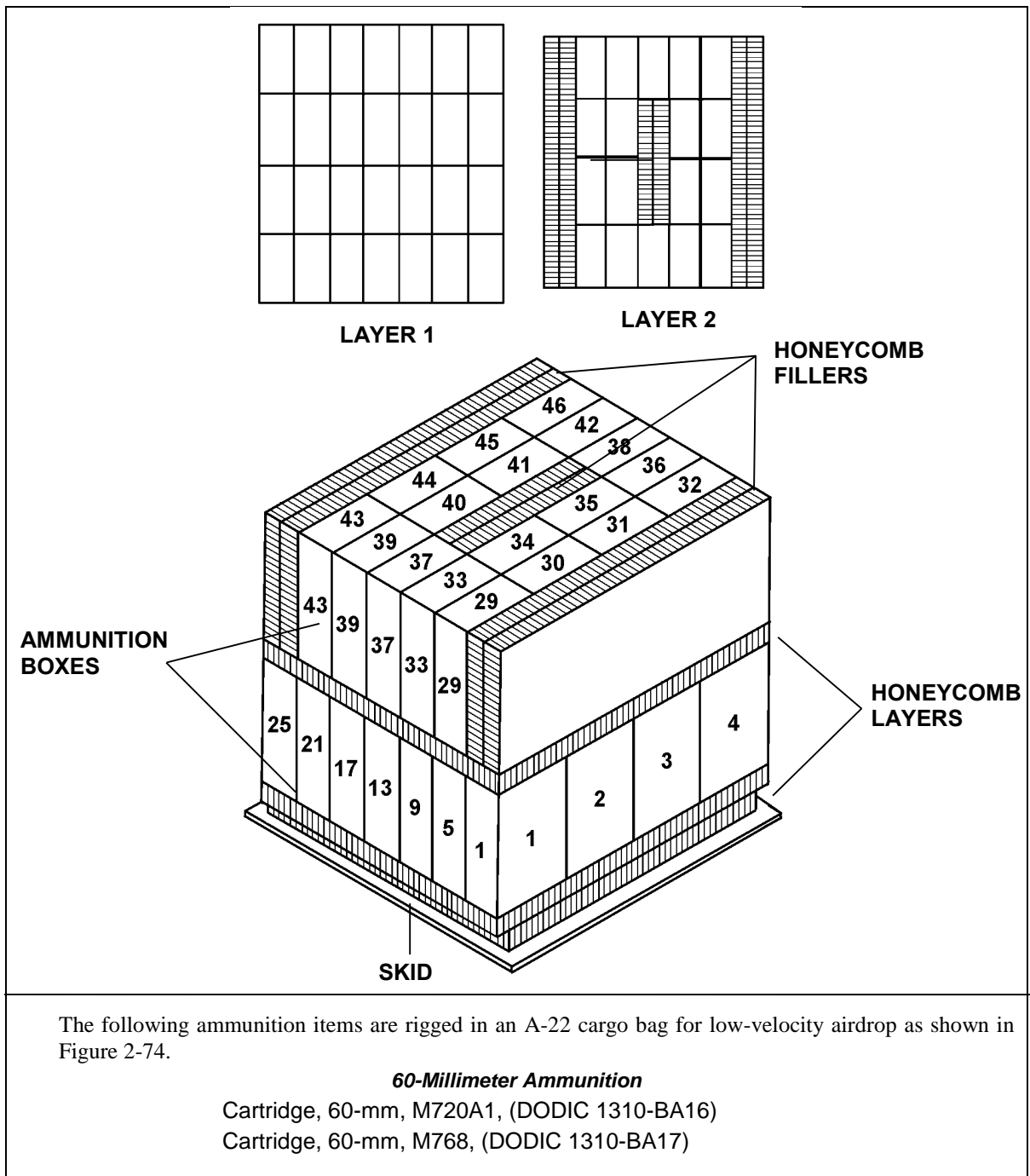


Figure 2-74. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

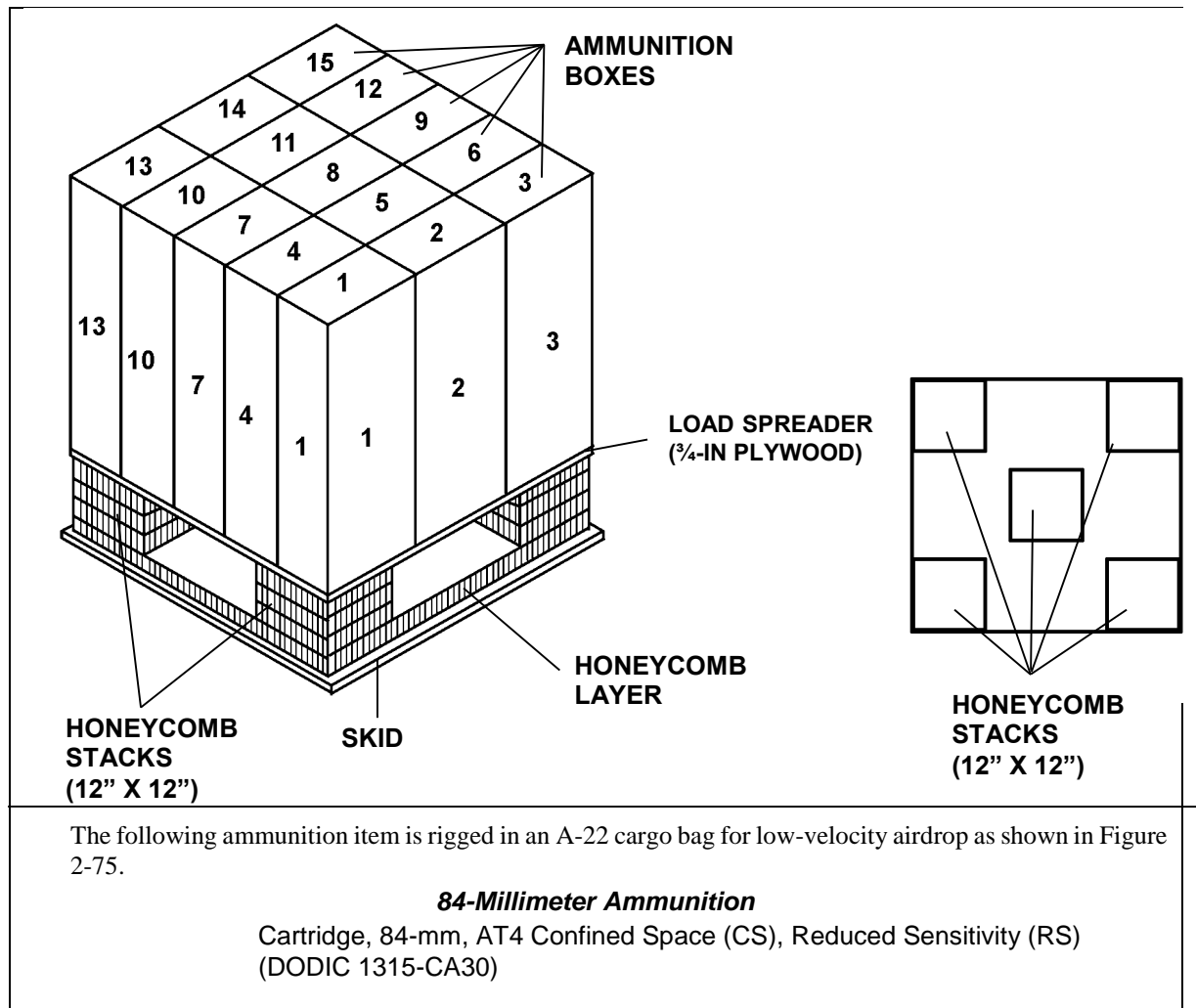


Figure 2-75. Ammunition layout in an A-22 cargo bag for low-velocity airdrop

Chapter 3

Rigging High-Velocity A-22 Cargo Bag Loads

PREPARING A-22 CARGO BAG

- 3-1. Prepare the A-22 cargo bag according to TM 4-48.03/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 Figure 3-1 through 3-90 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 TM 4-48.03/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 TM 4-48.03/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 TM 4-48.03/MCRP 4-11.3C/TO 13C7-1-11.

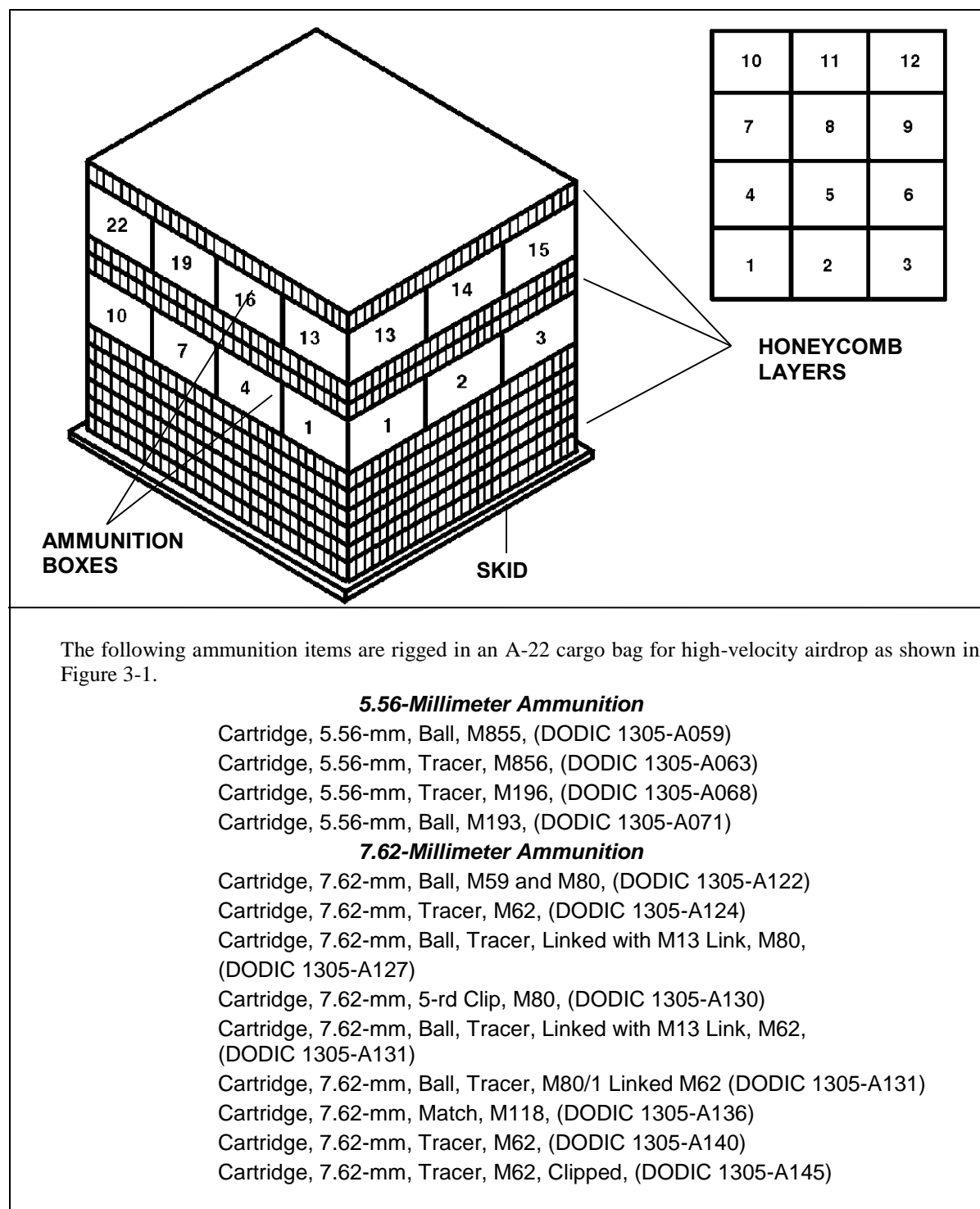


Figure 3-1. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

.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, API, 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)

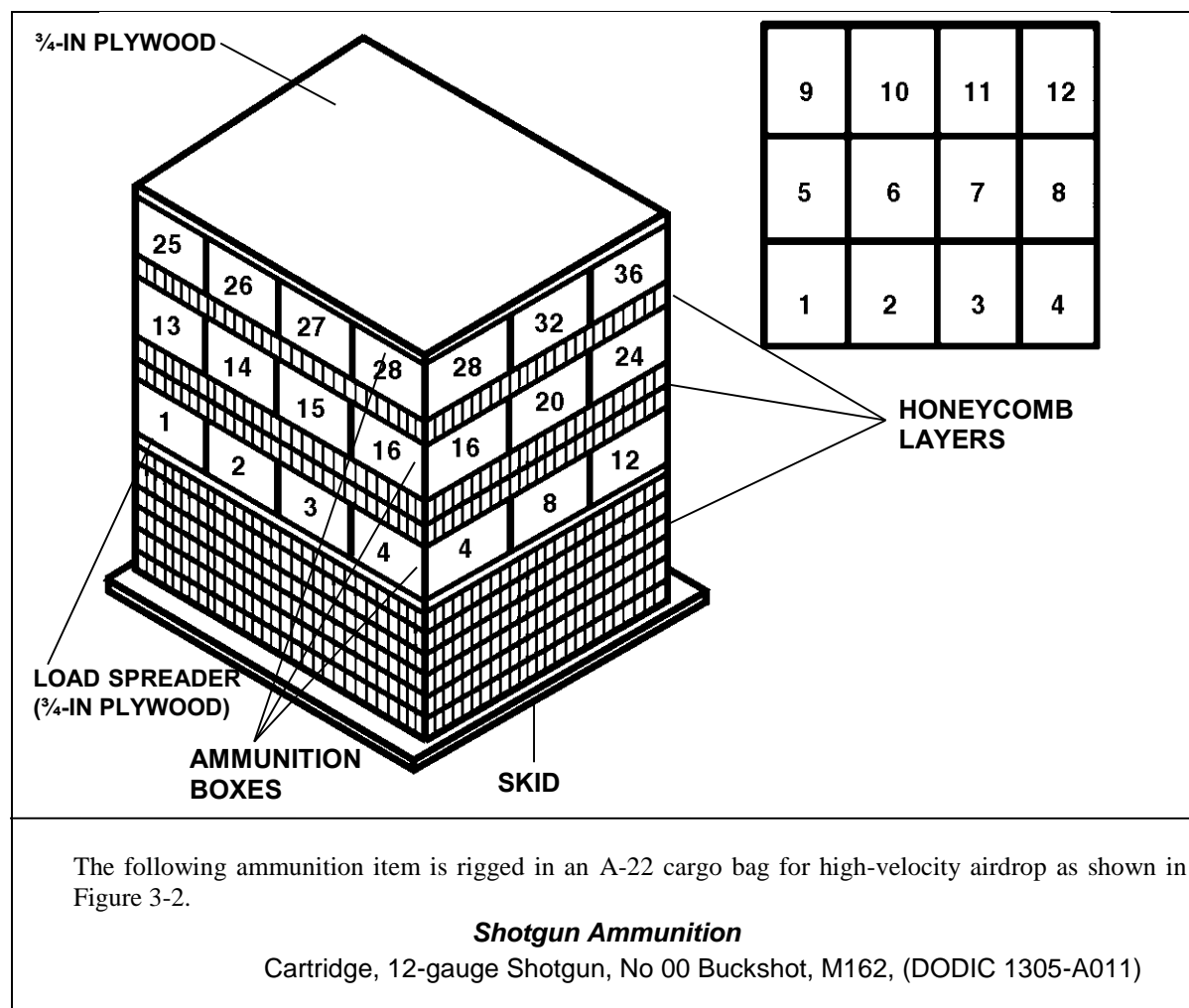
.50-Caliber Ammunition

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)

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

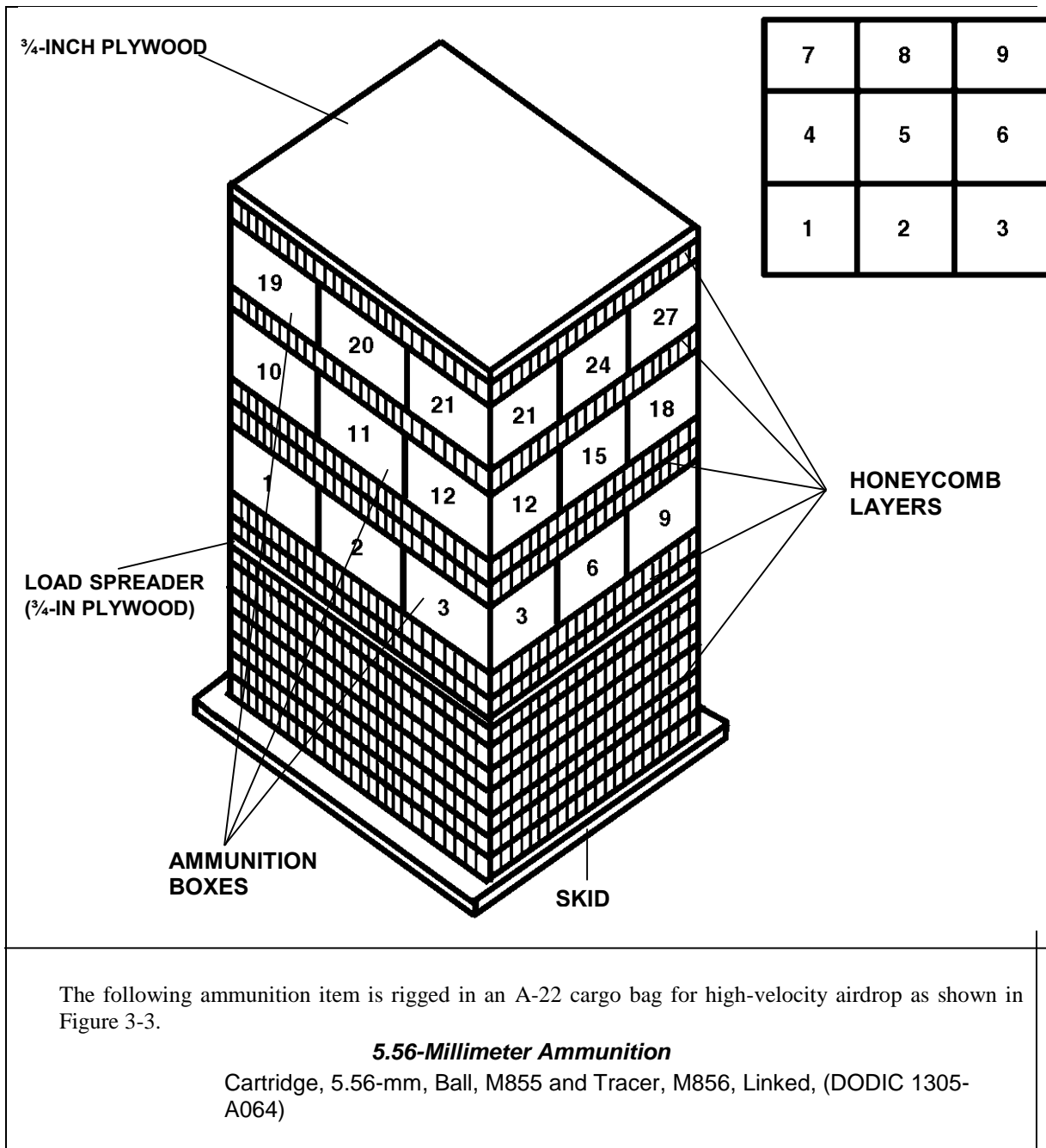


Figure 3-3. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

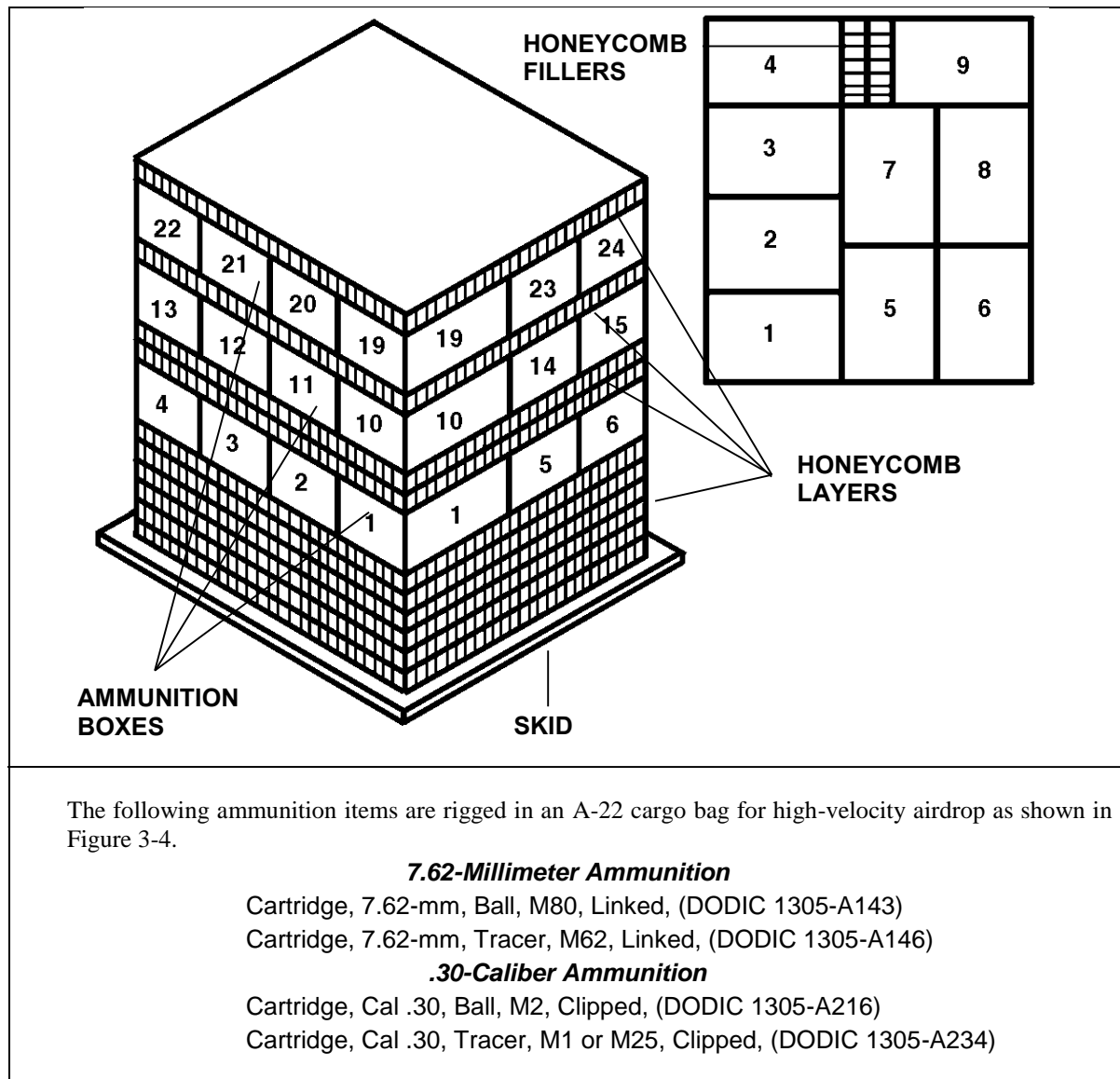


Figure 3-4. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

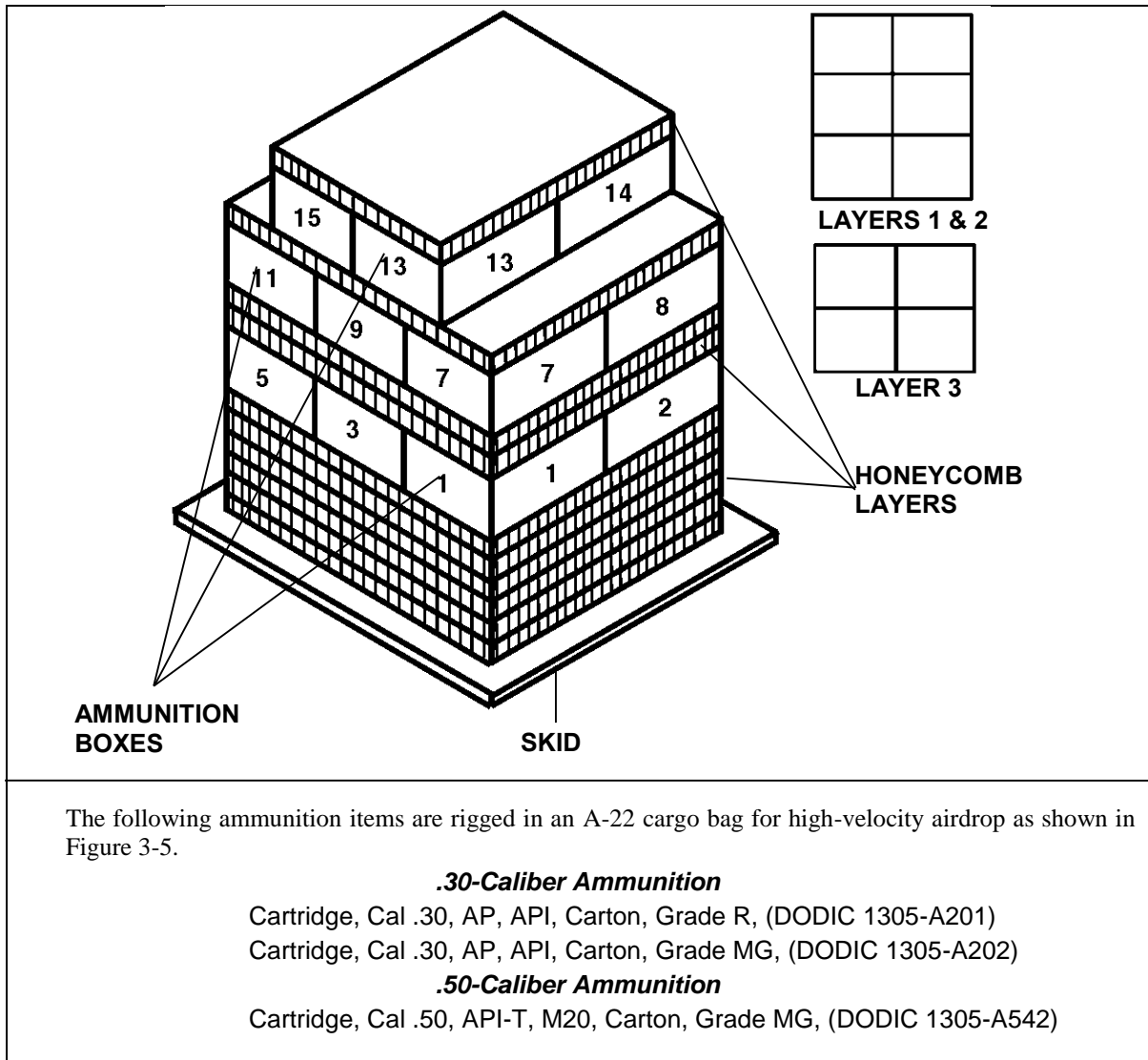


Figure 3-5. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

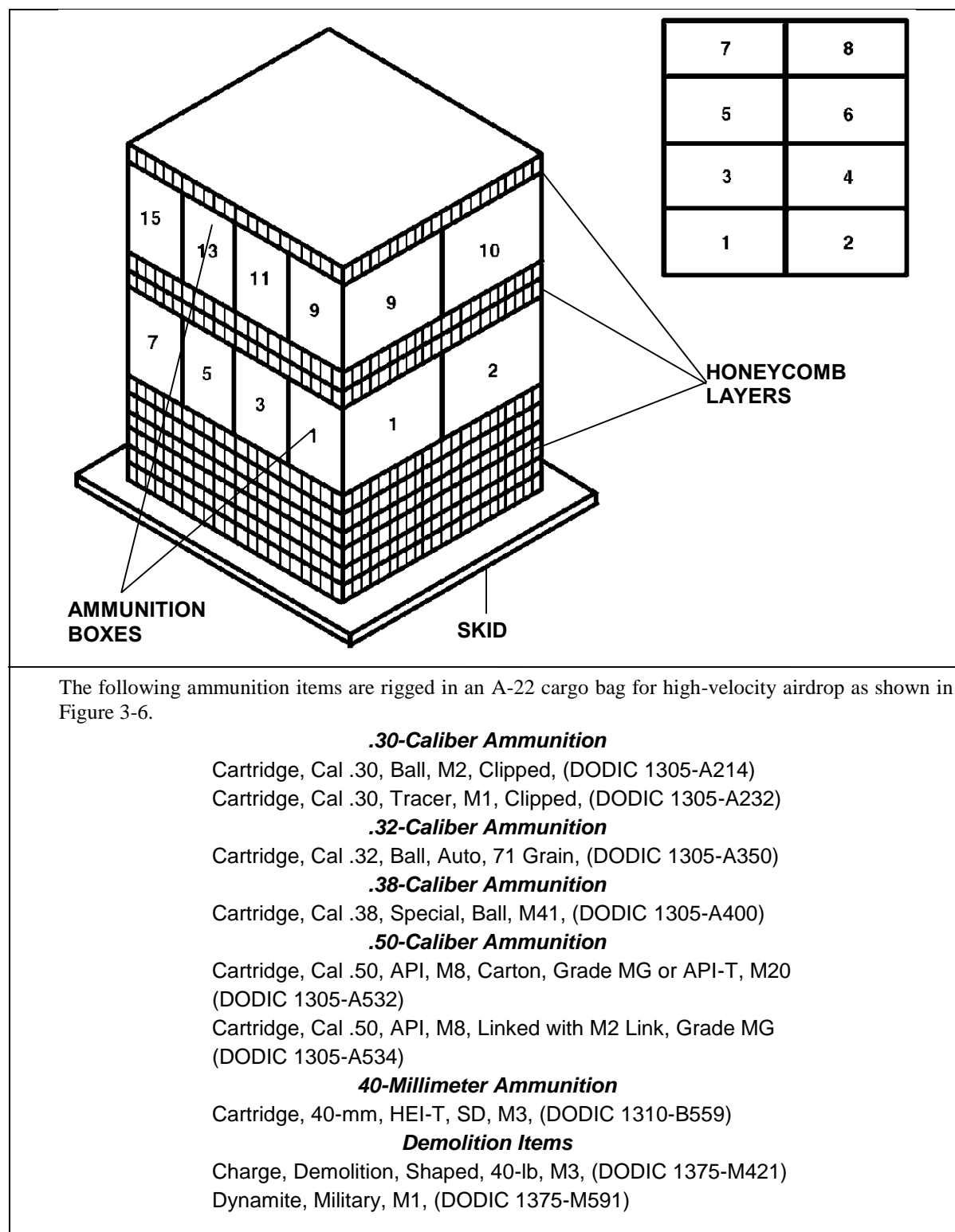


Figure 3-6. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

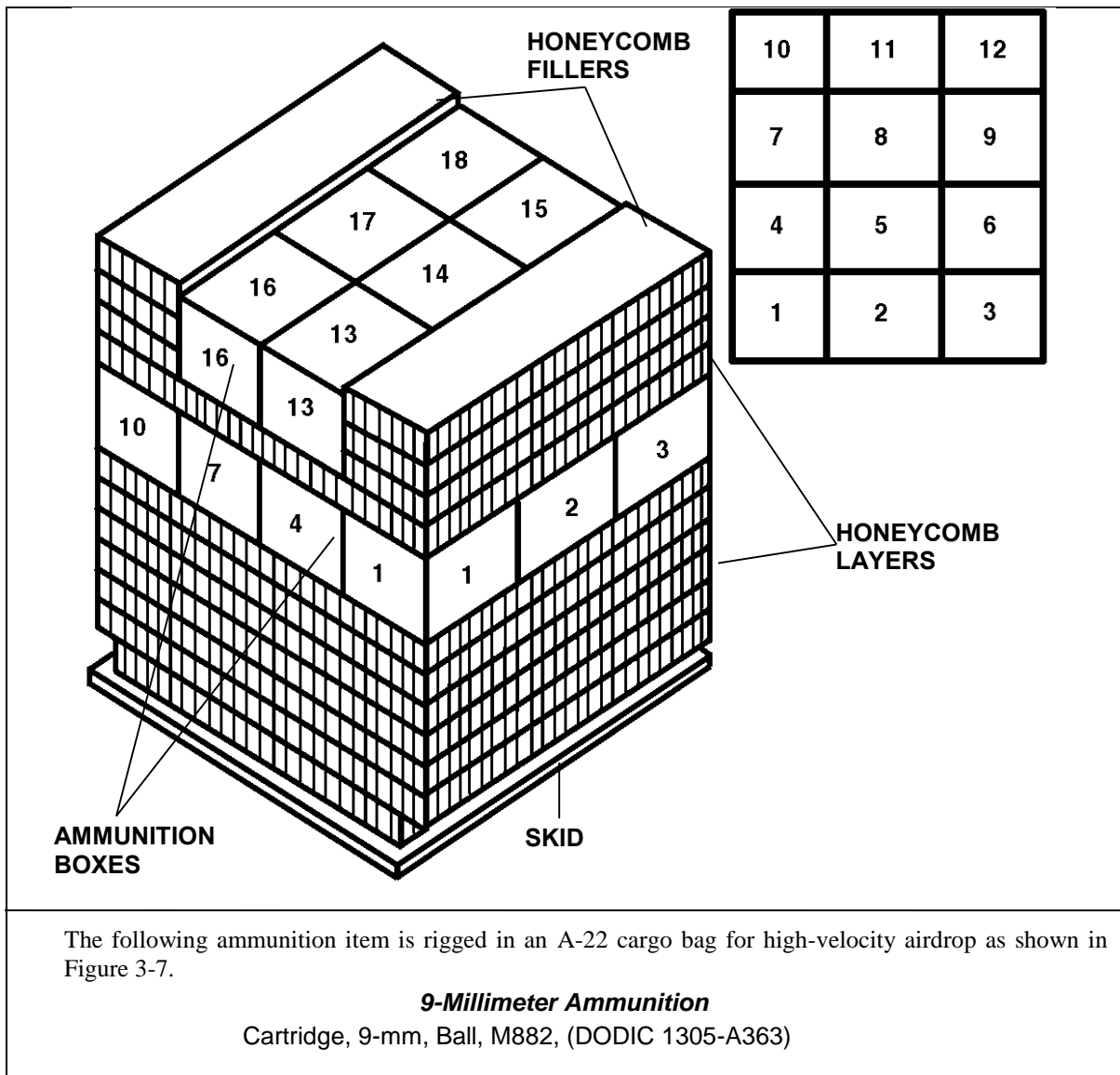


Figure 3-7. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

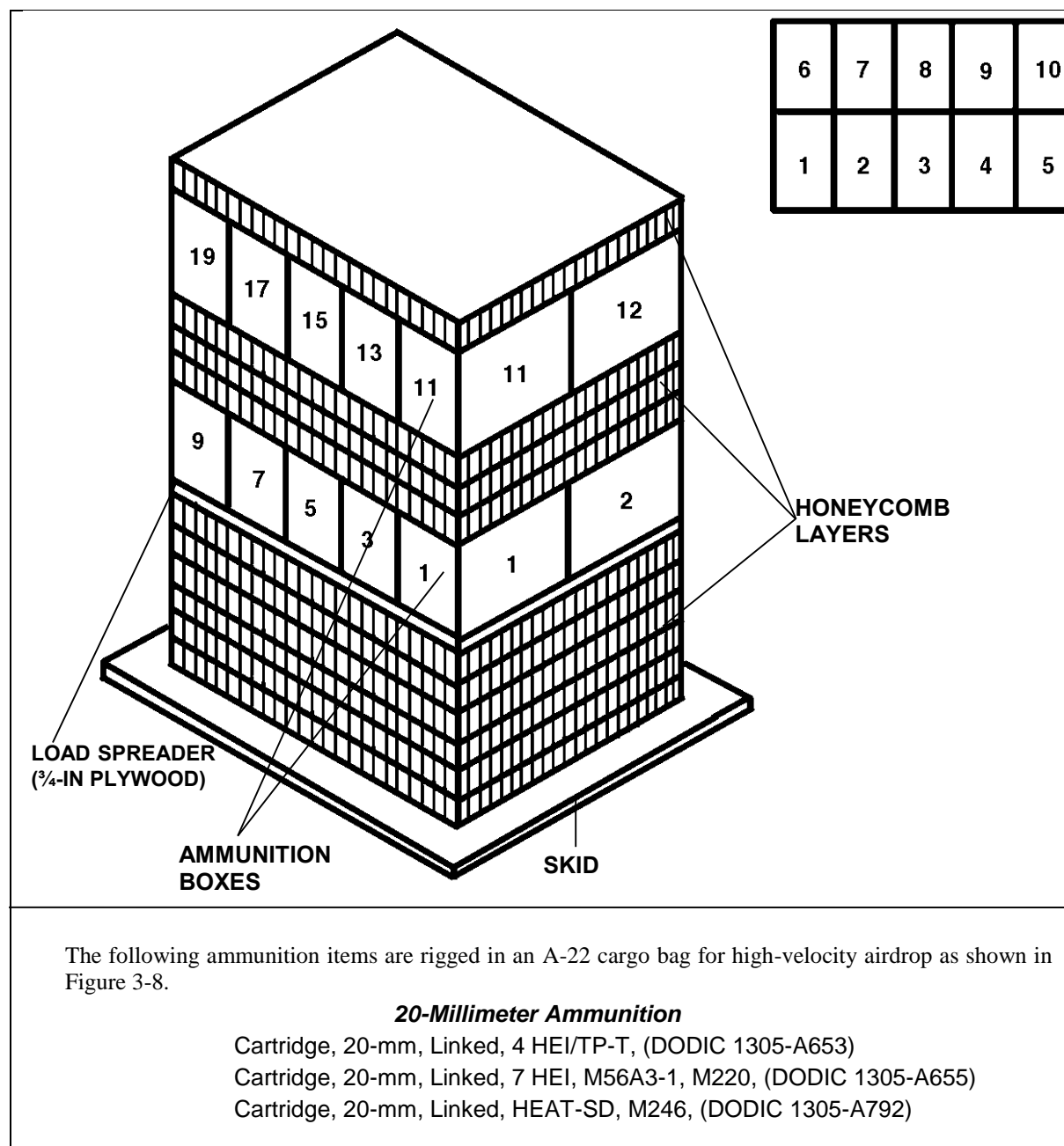


Figure 3-8. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

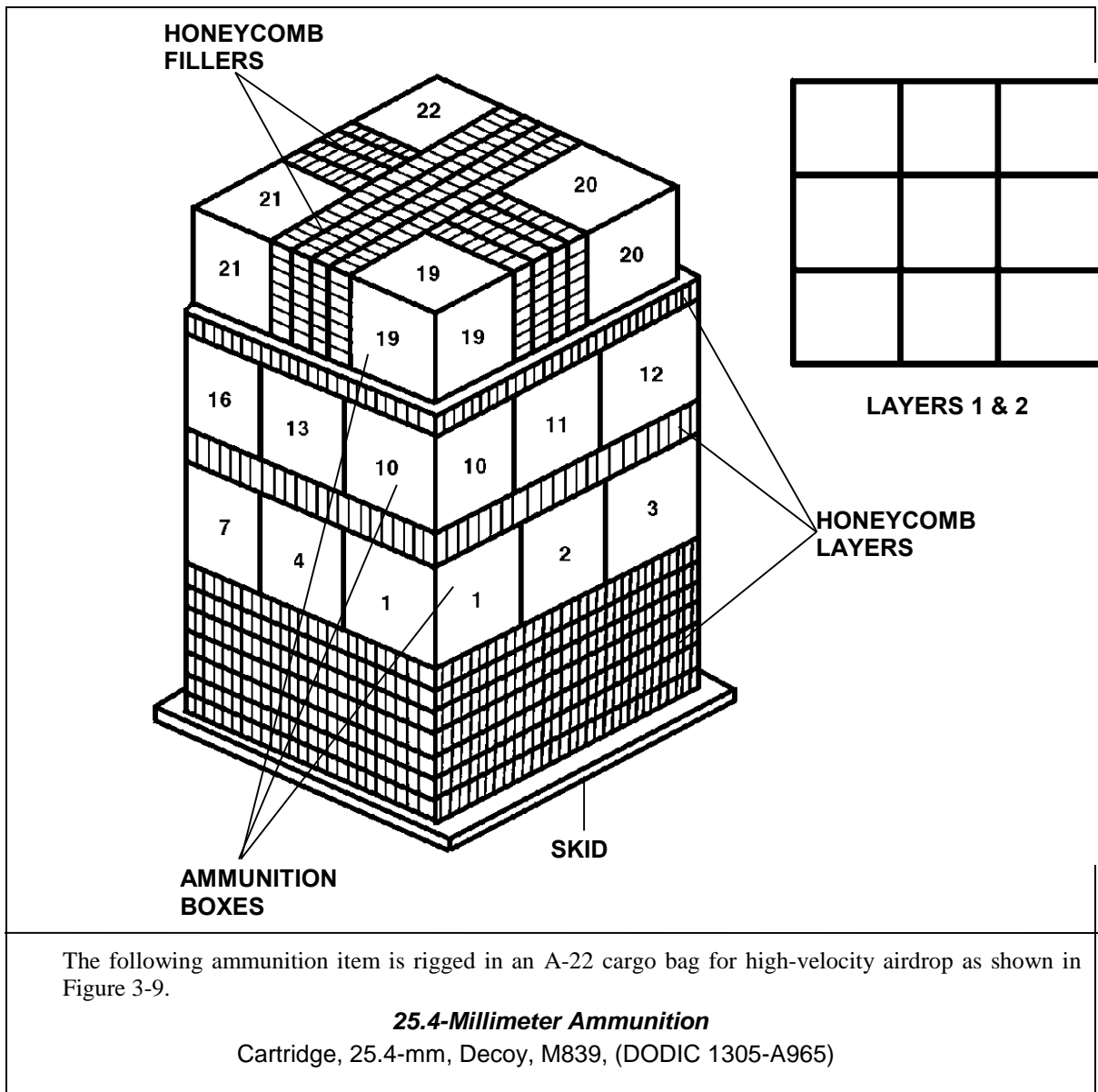


Figure 3-9. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

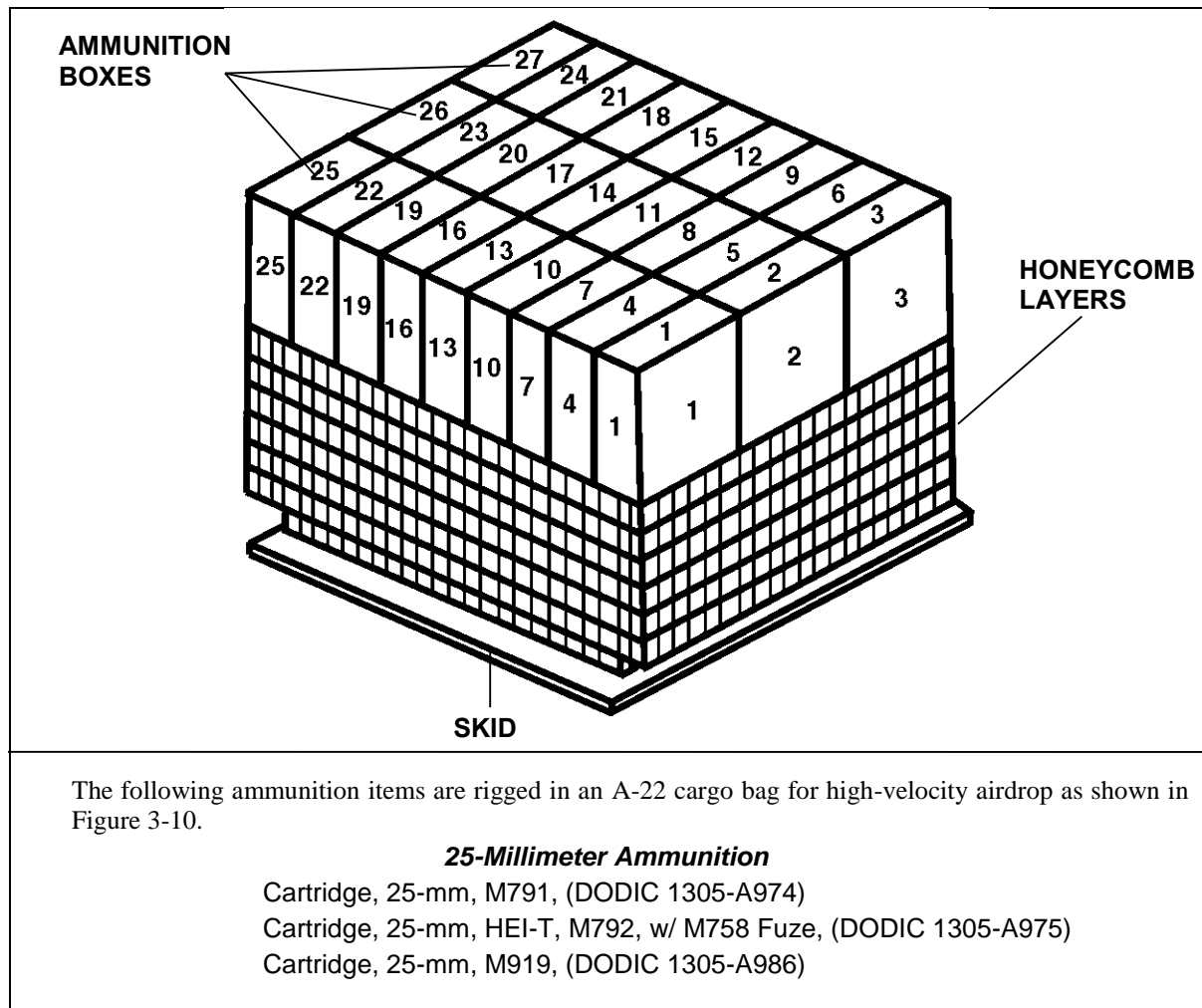


Figure 3-10. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

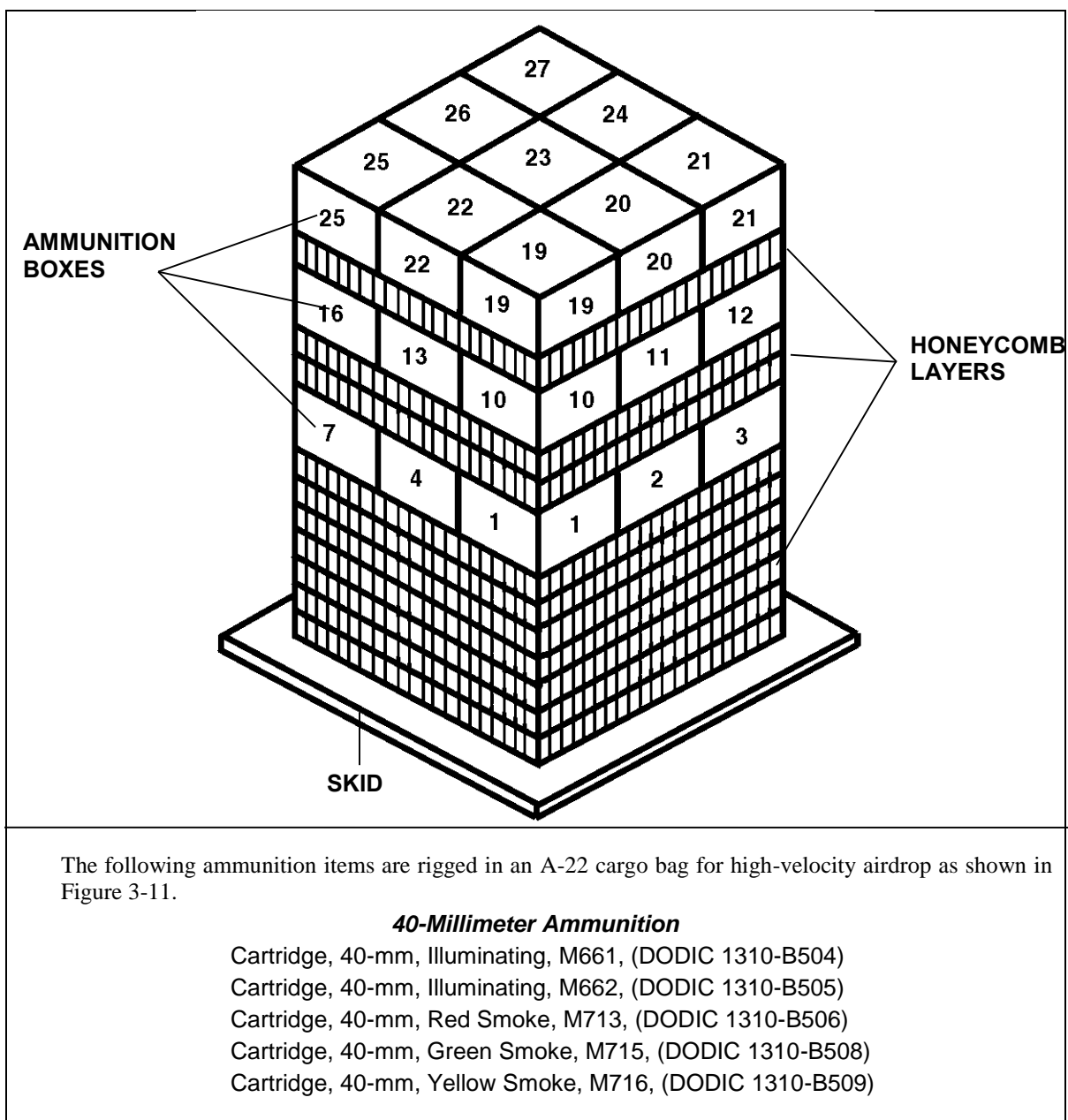


Figure 3-11. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

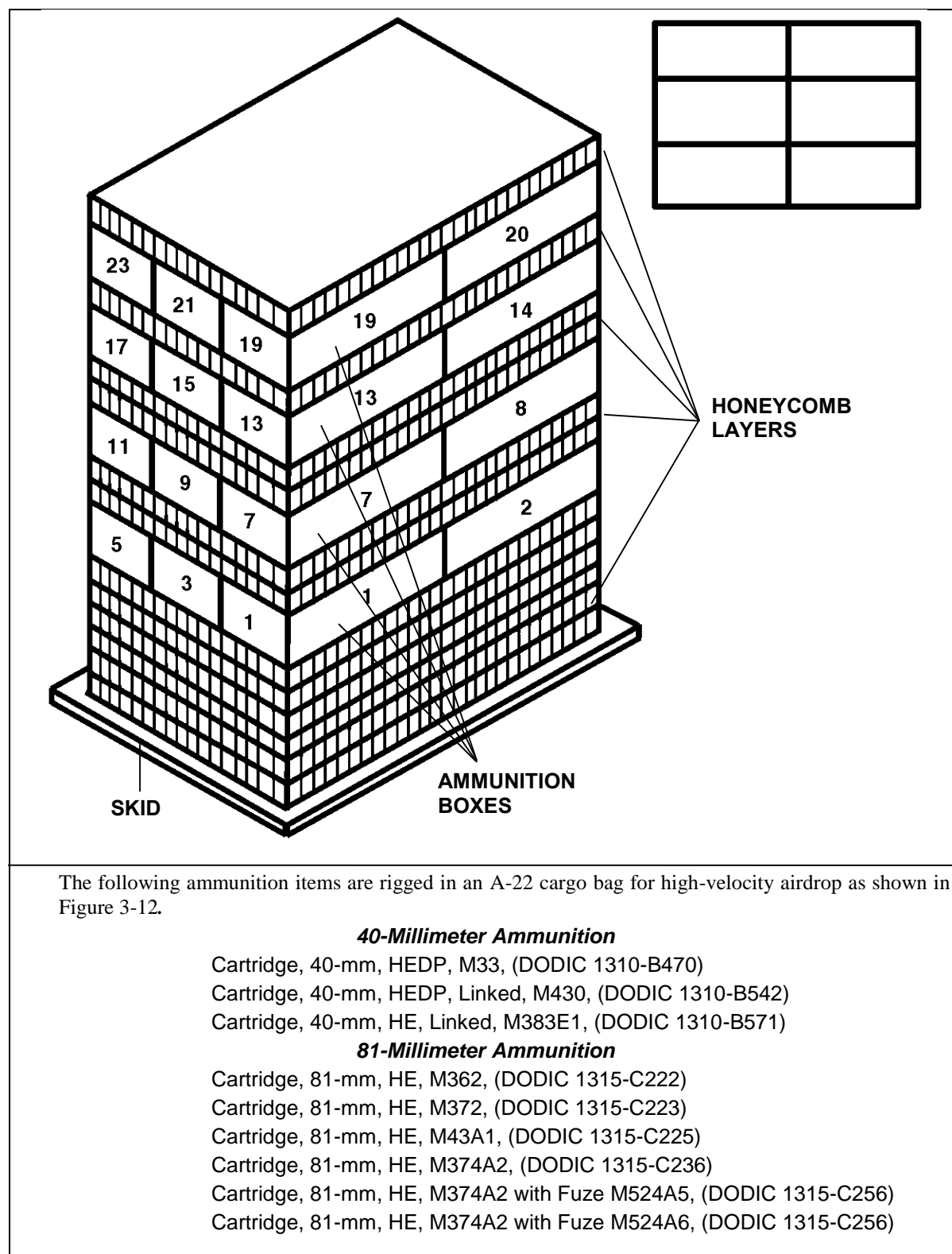


Figure 3-12. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

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)

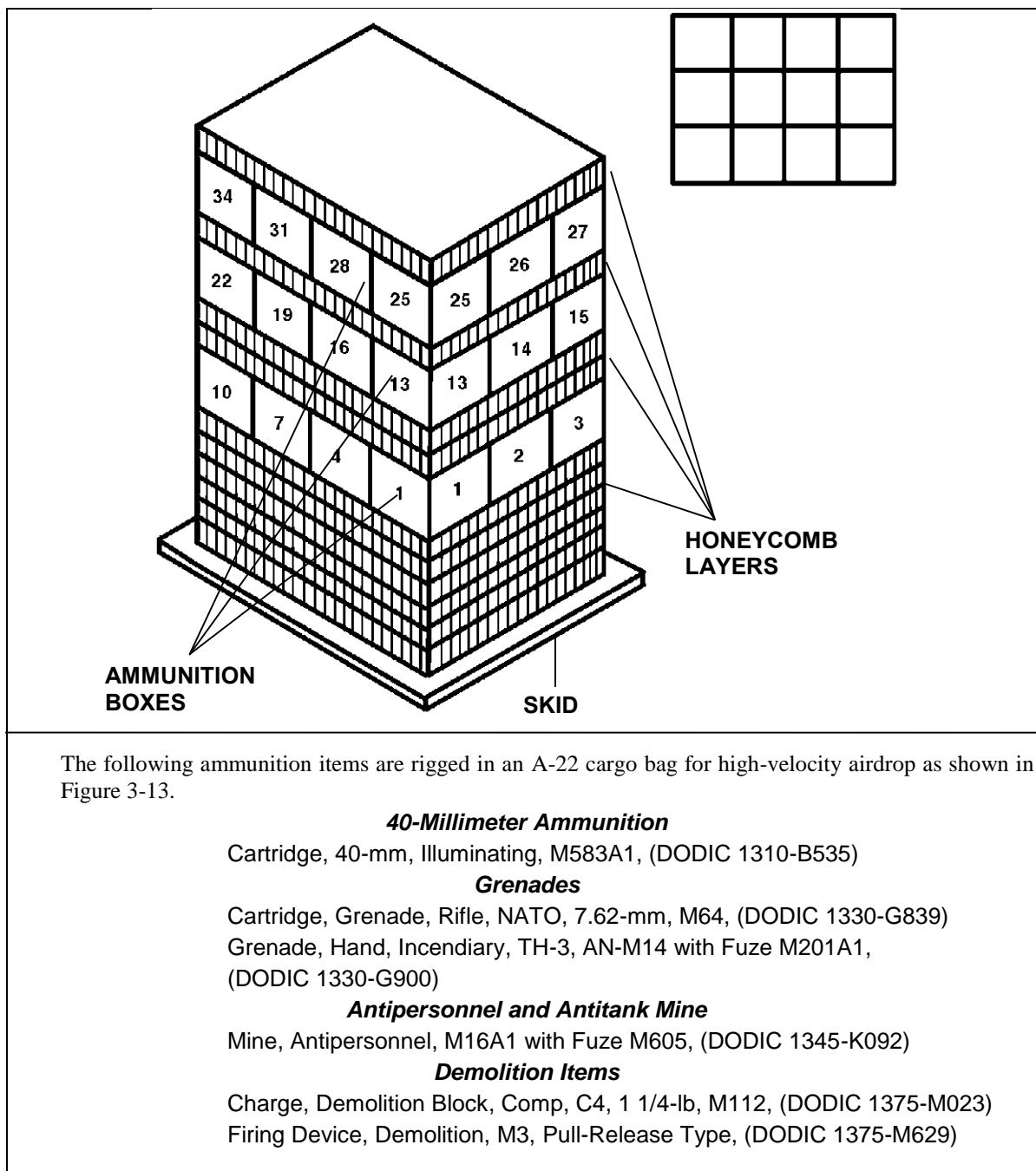


Figure 3-13. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

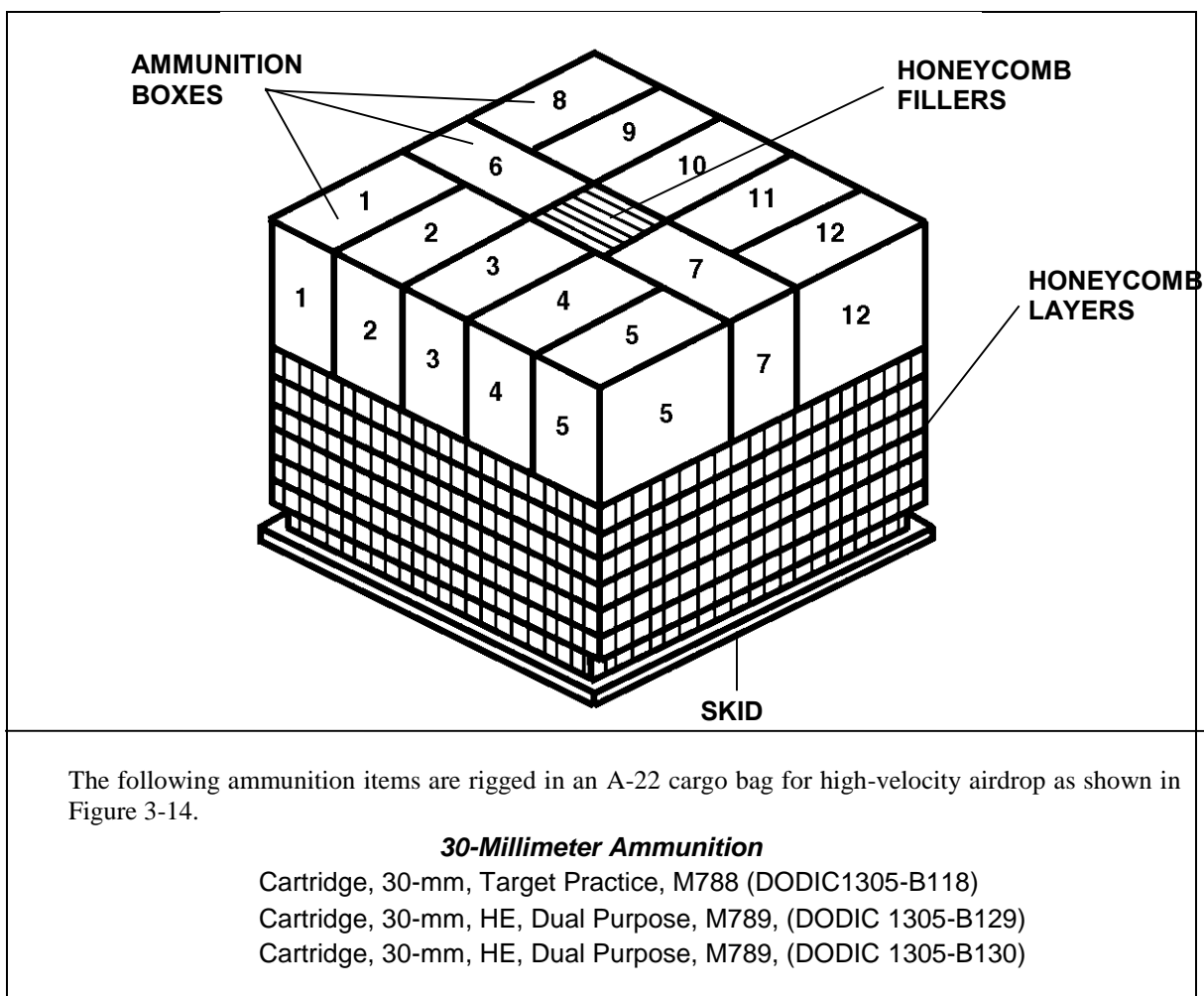


Figure 3-14. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

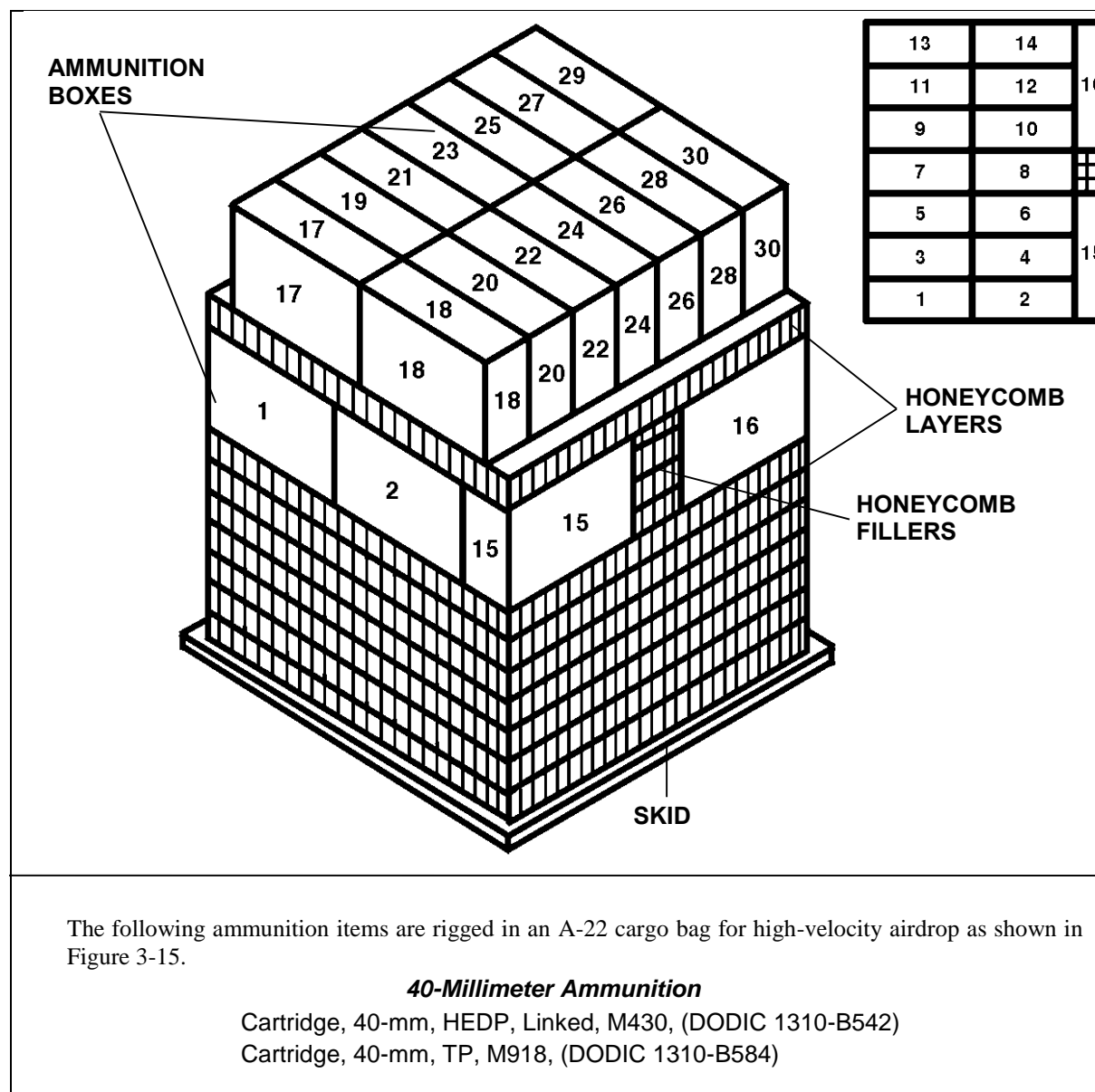


Figure 3-15. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

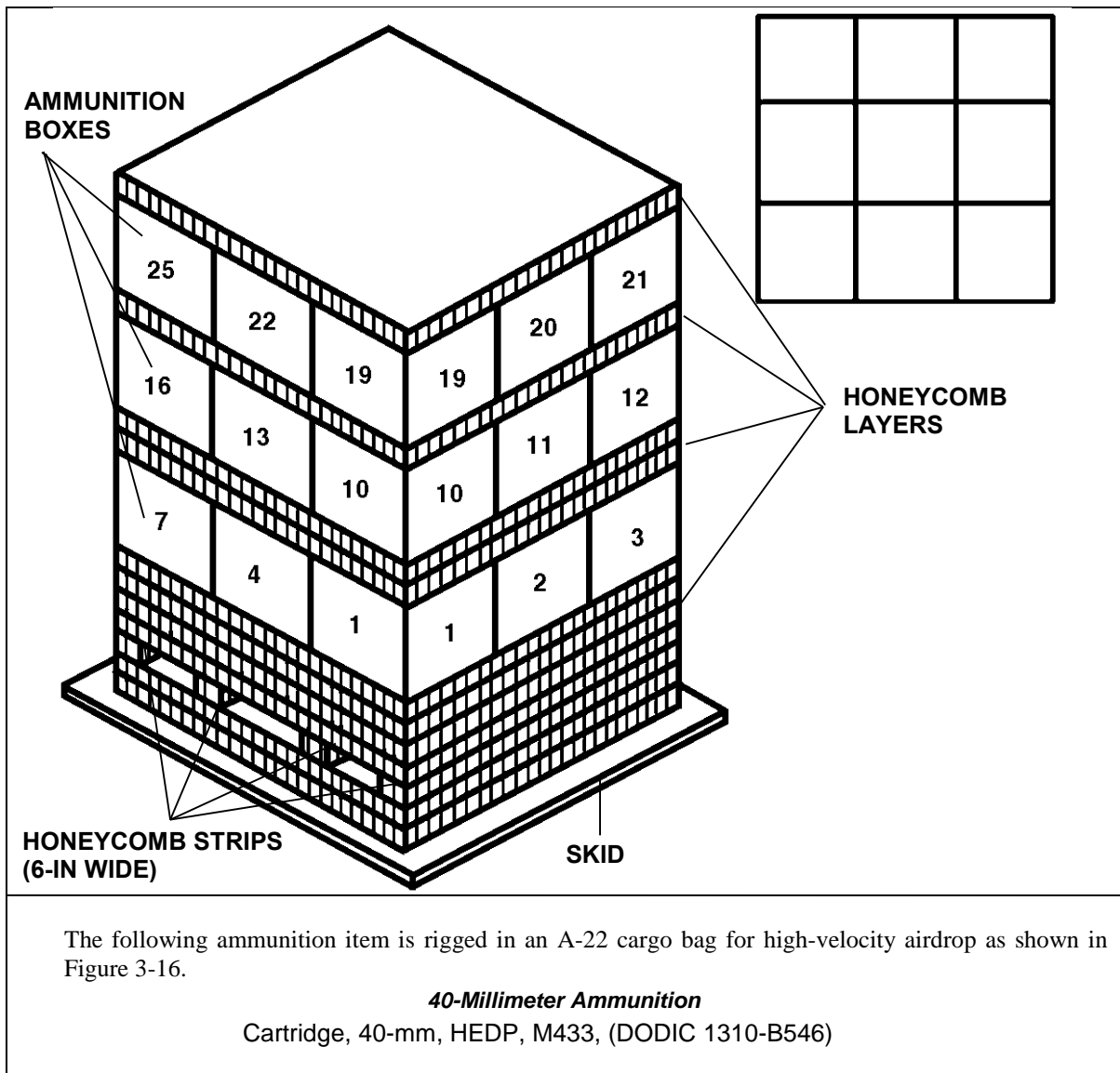


Figure 3-16. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

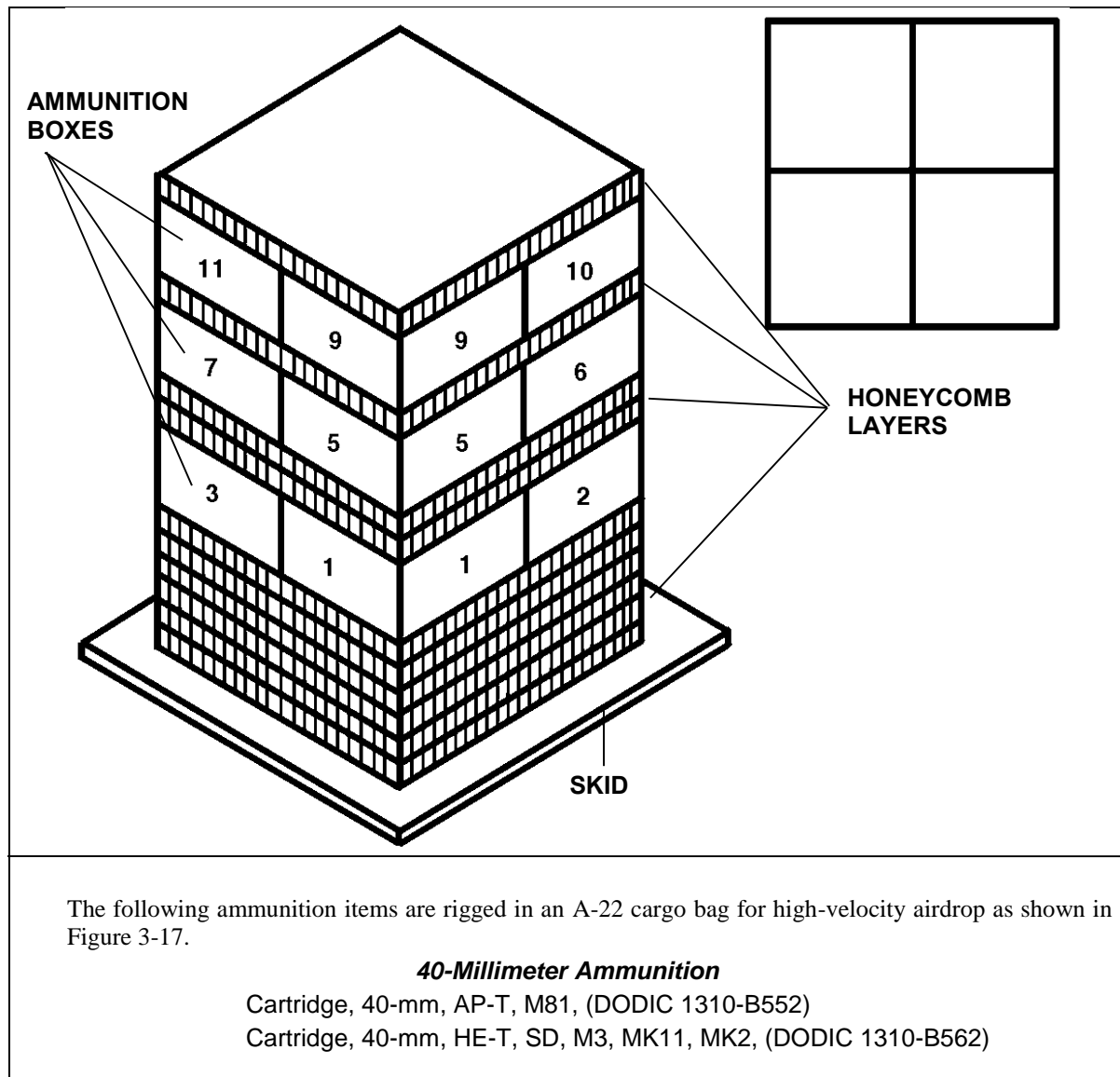


Figure 3-17. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

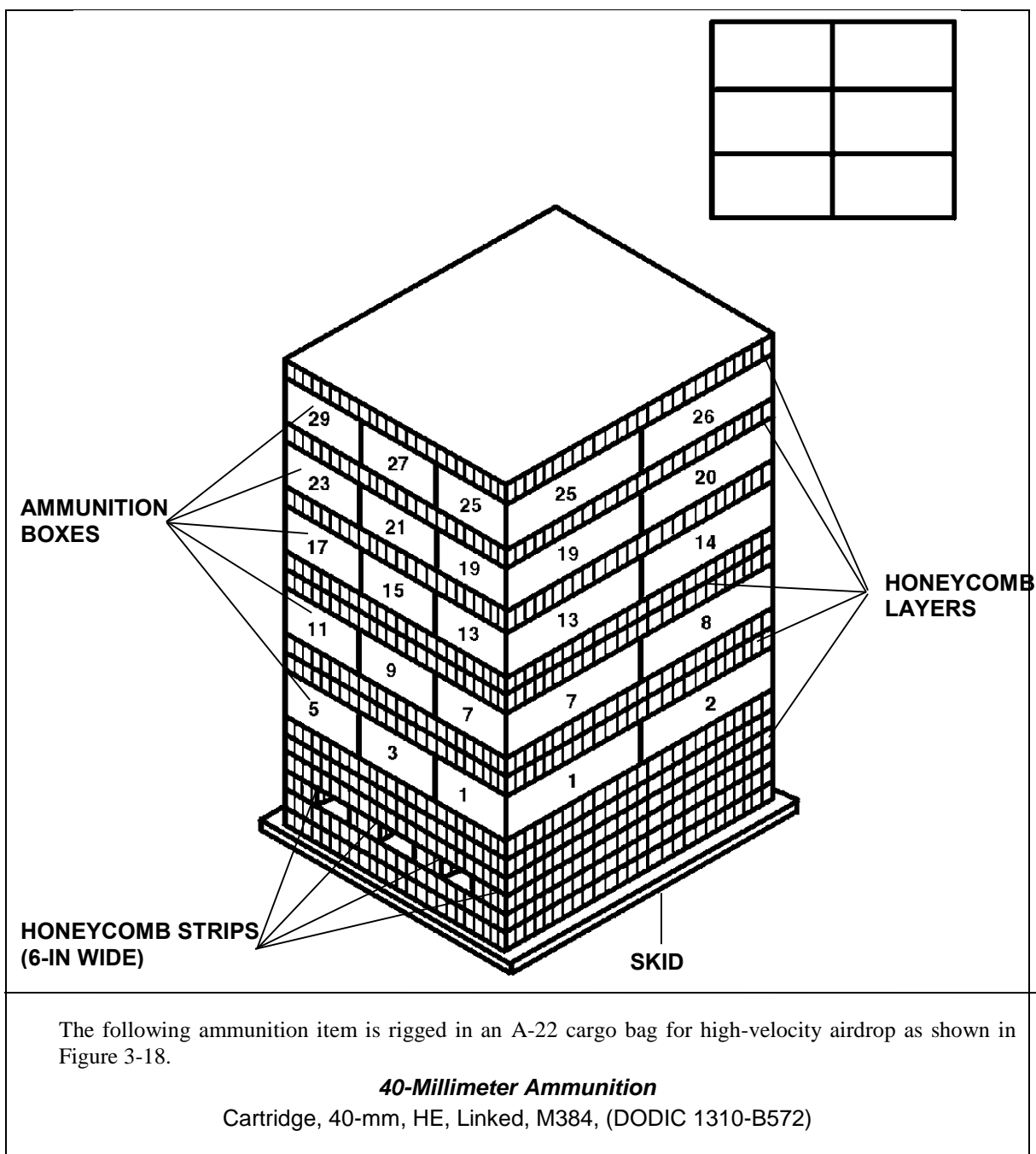


Figure 3-18. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

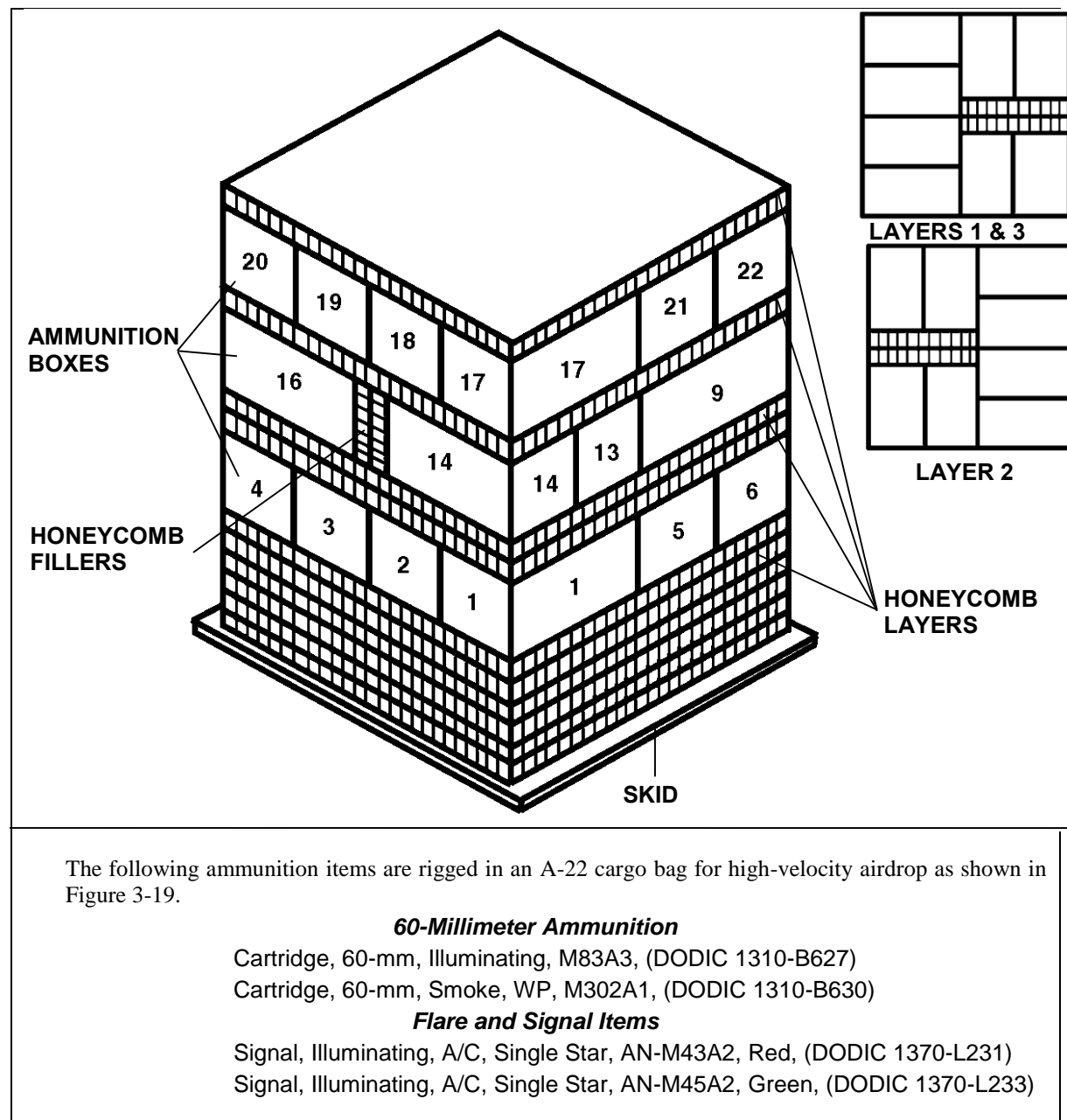


Figure 3-19. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

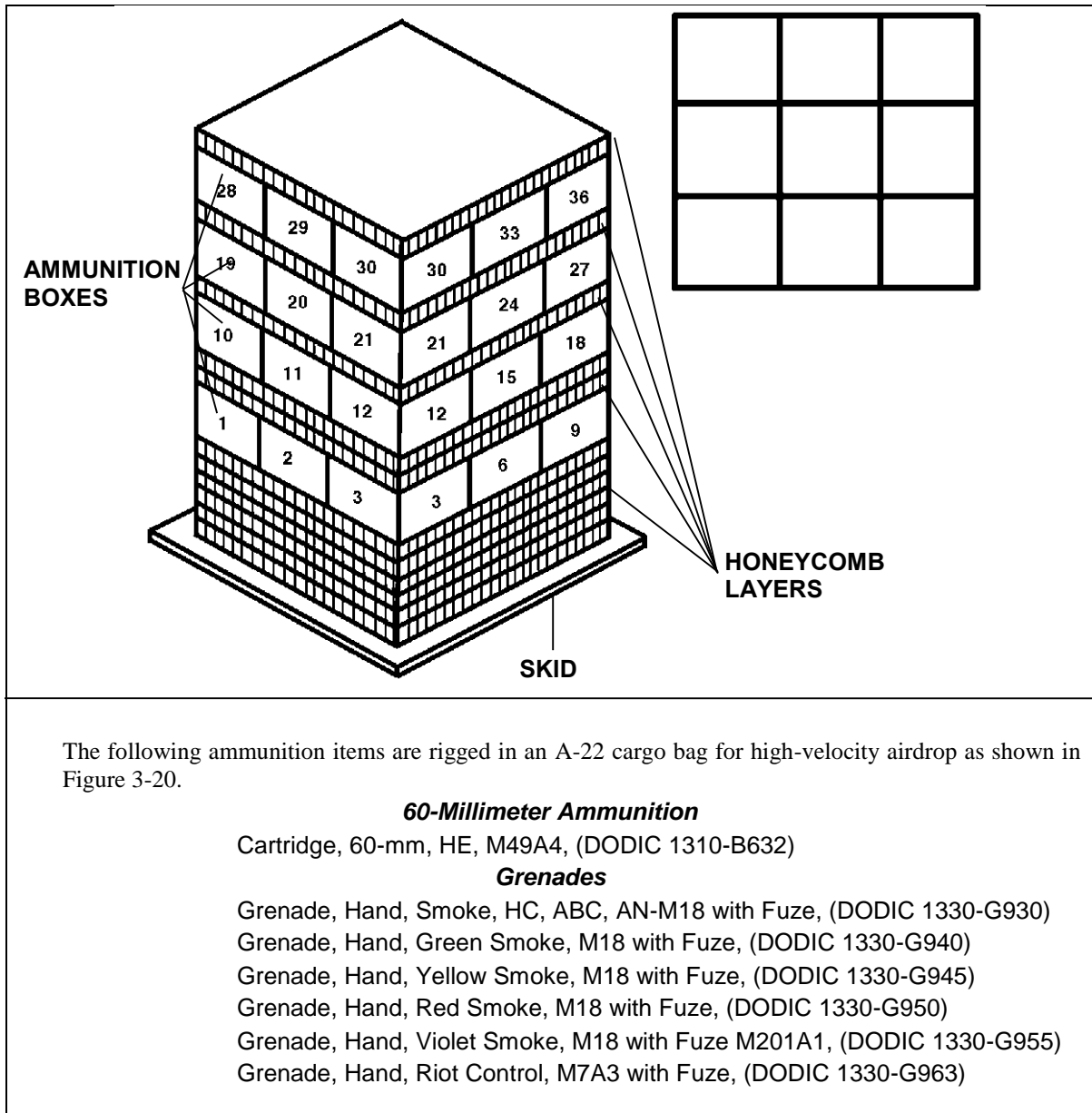


Figure 3-20. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

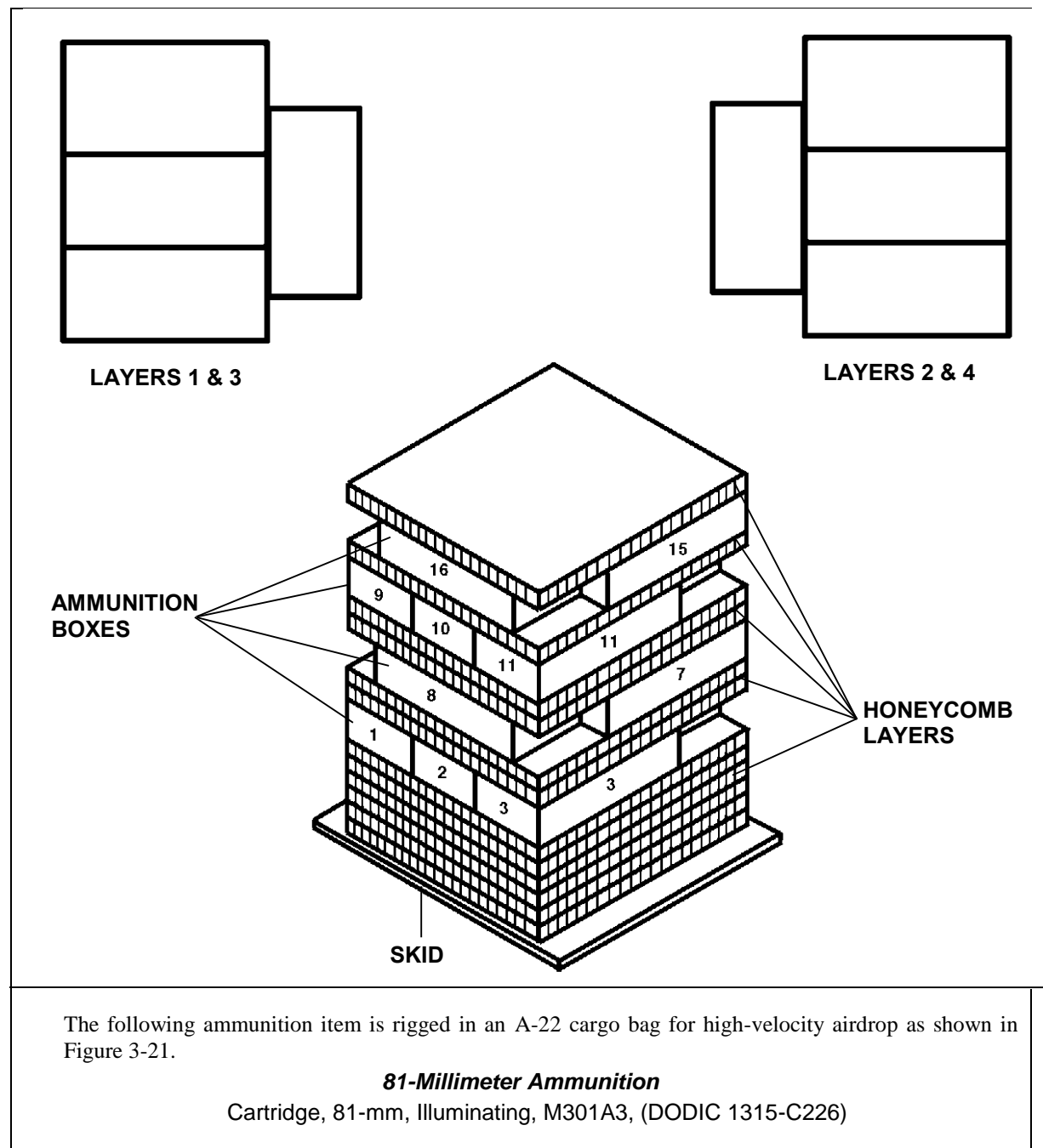


Figure 3-21. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

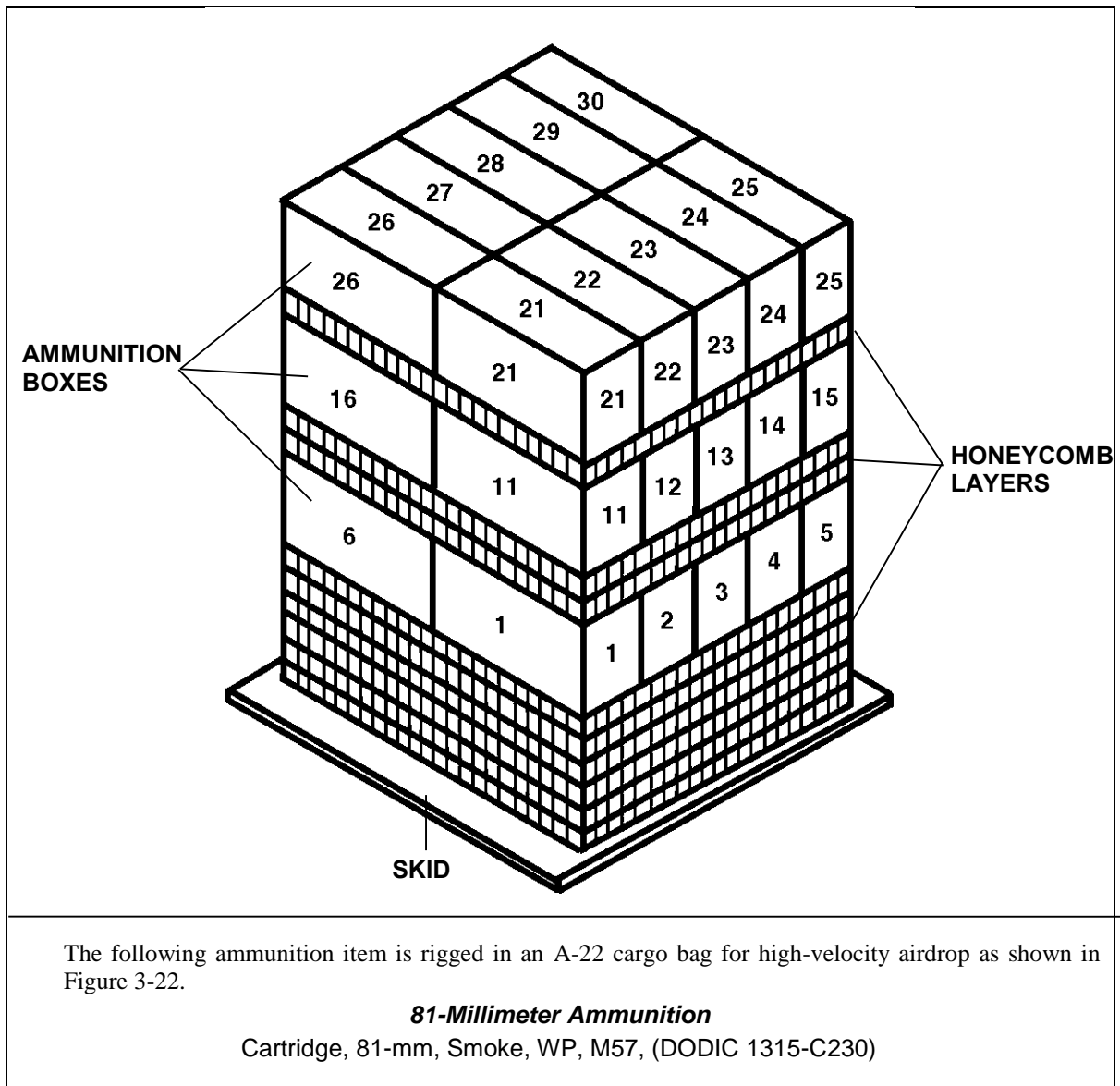


Figure 3-22. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

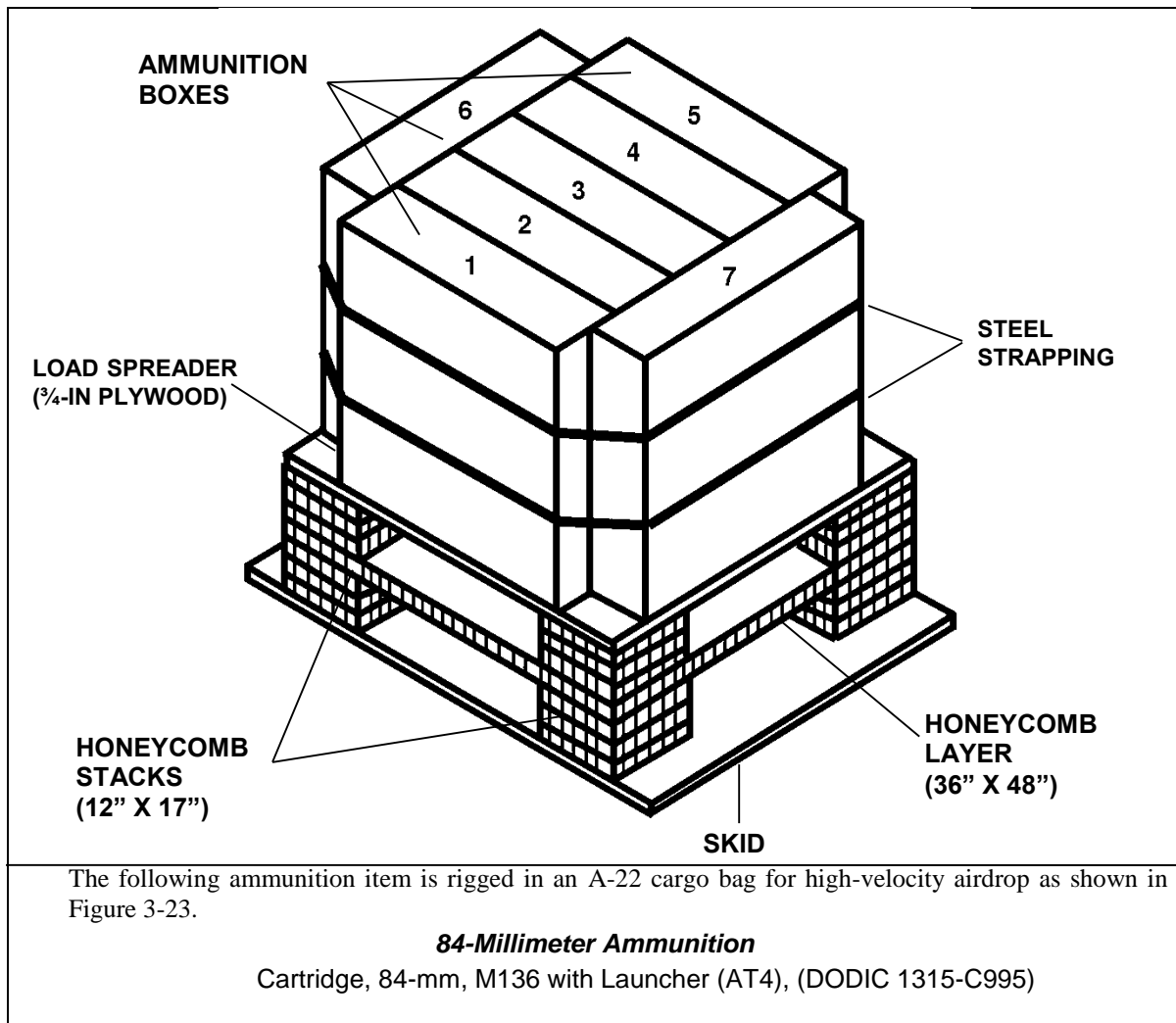
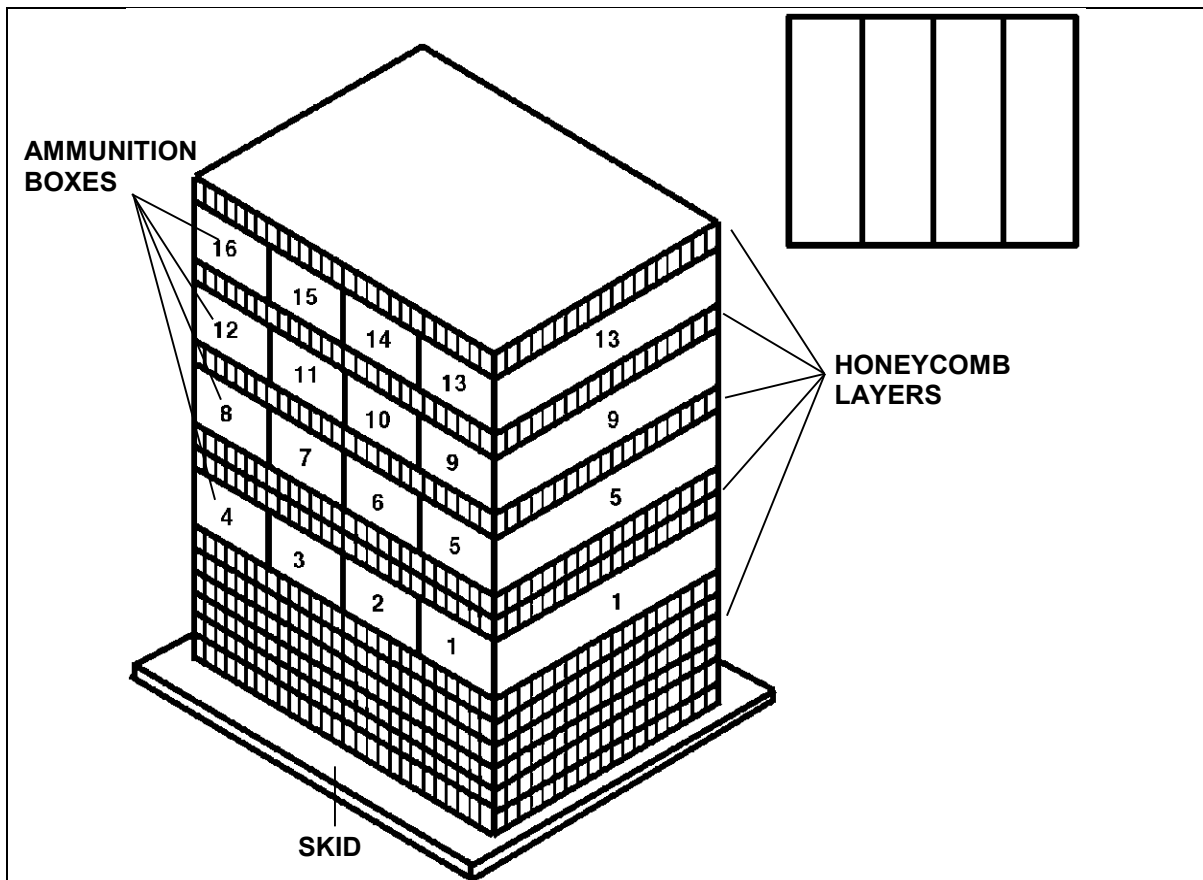


Figure 3-23. Ammunition layout in an A-22 cargo bag for high-velocity airdrop



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

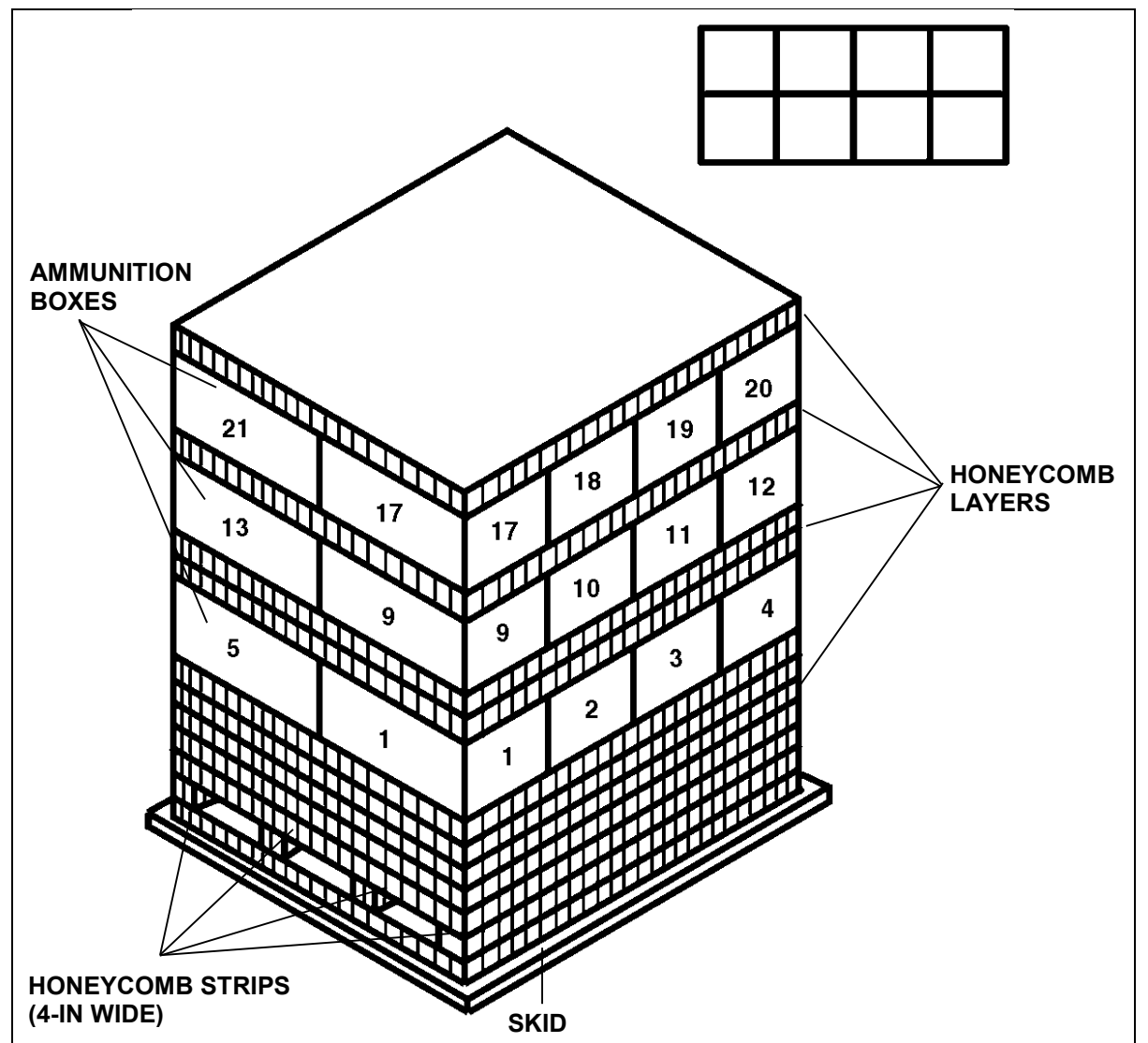
105-Millimeter Ammunition

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 3-26.

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

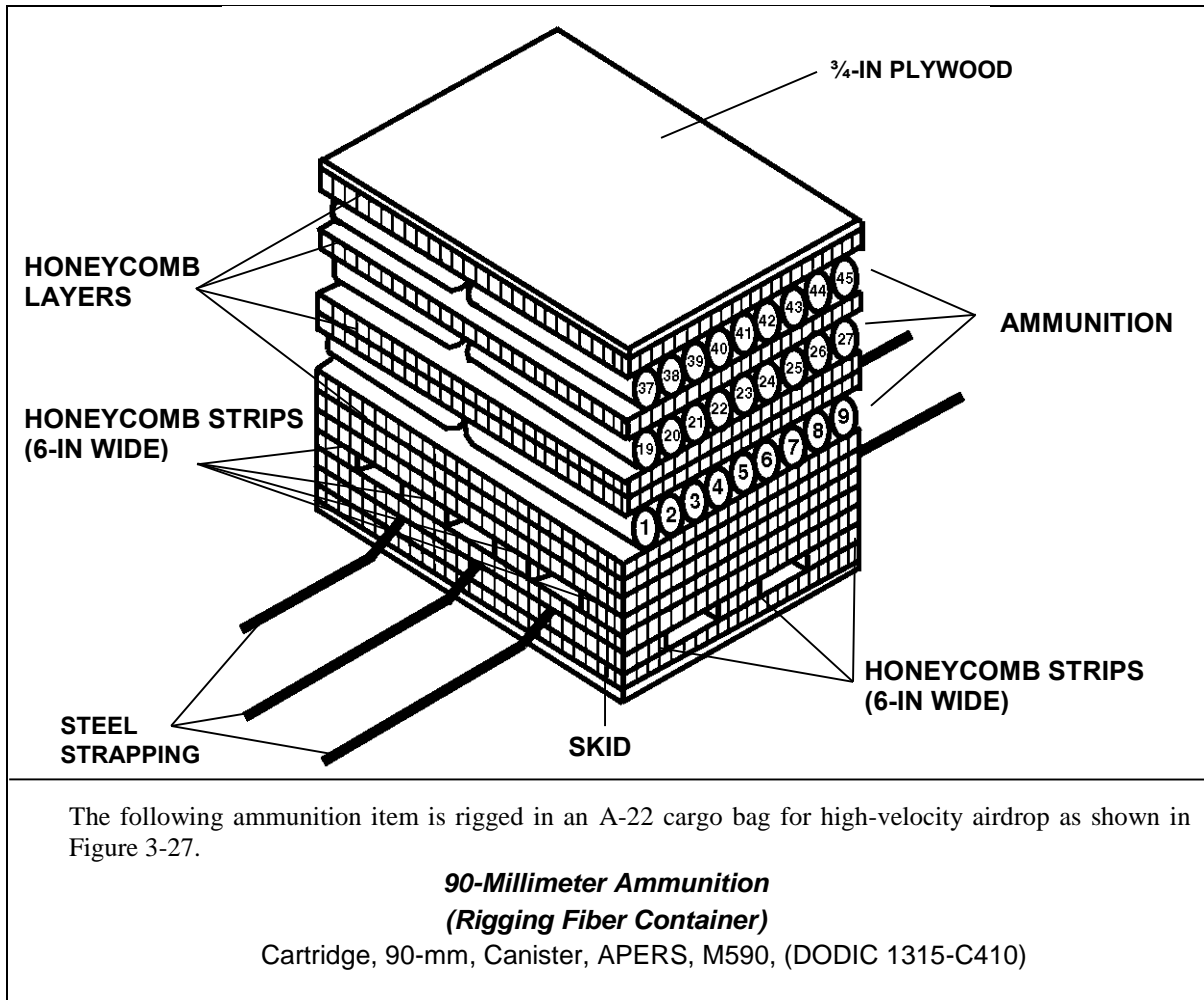


Figure 3-27. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

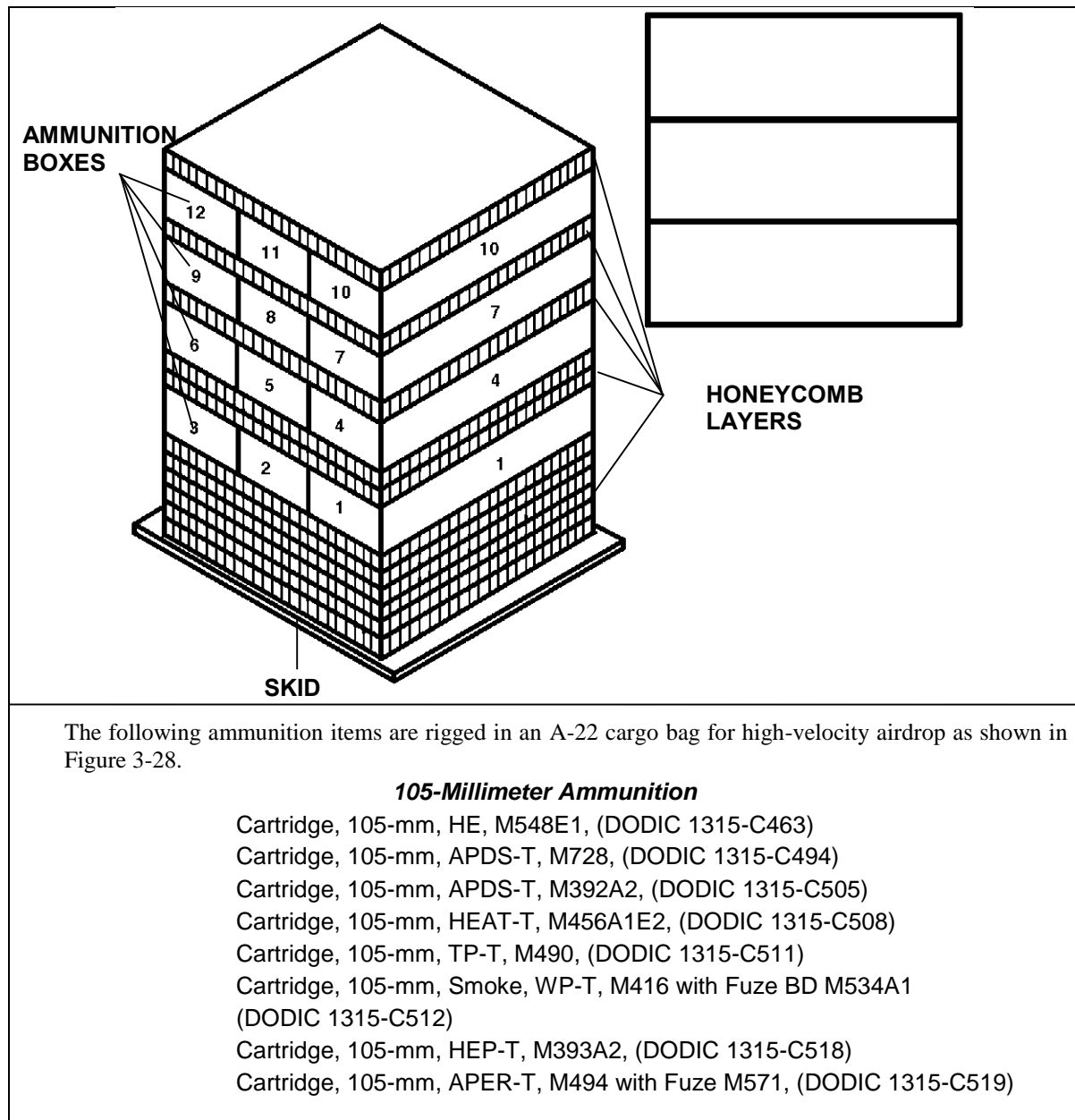


Figure 3-28. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

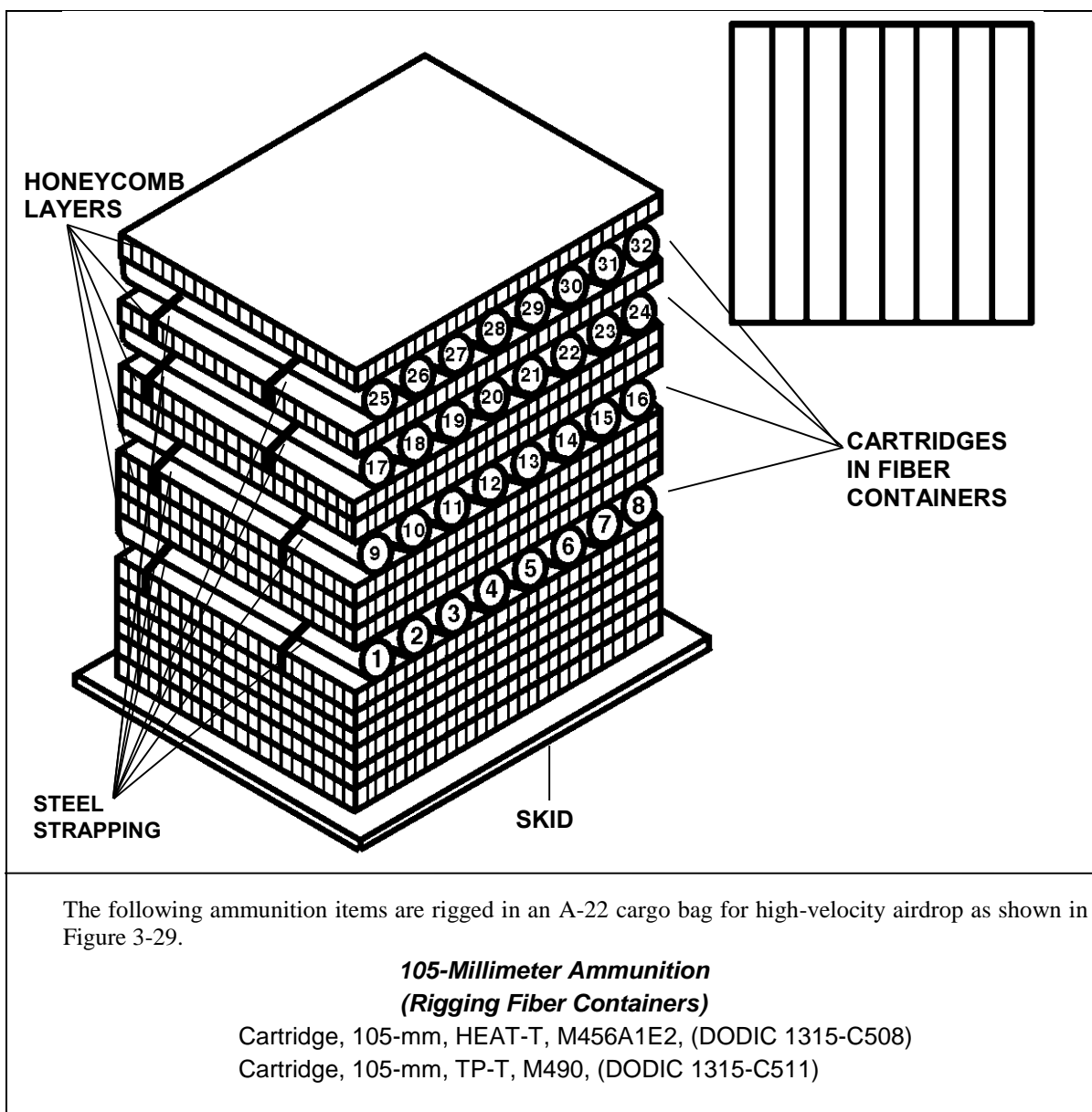


Figure 3-29. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

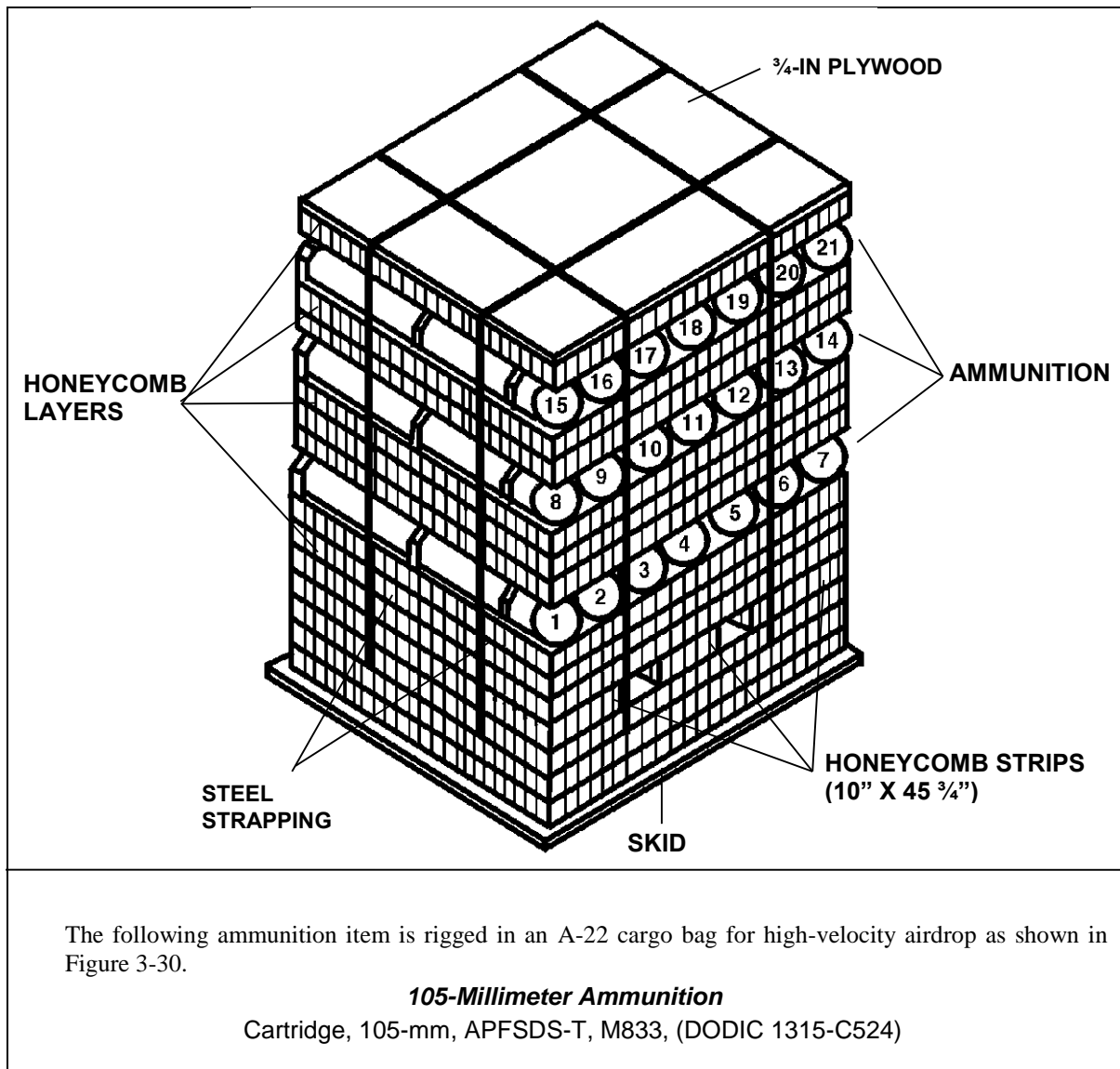
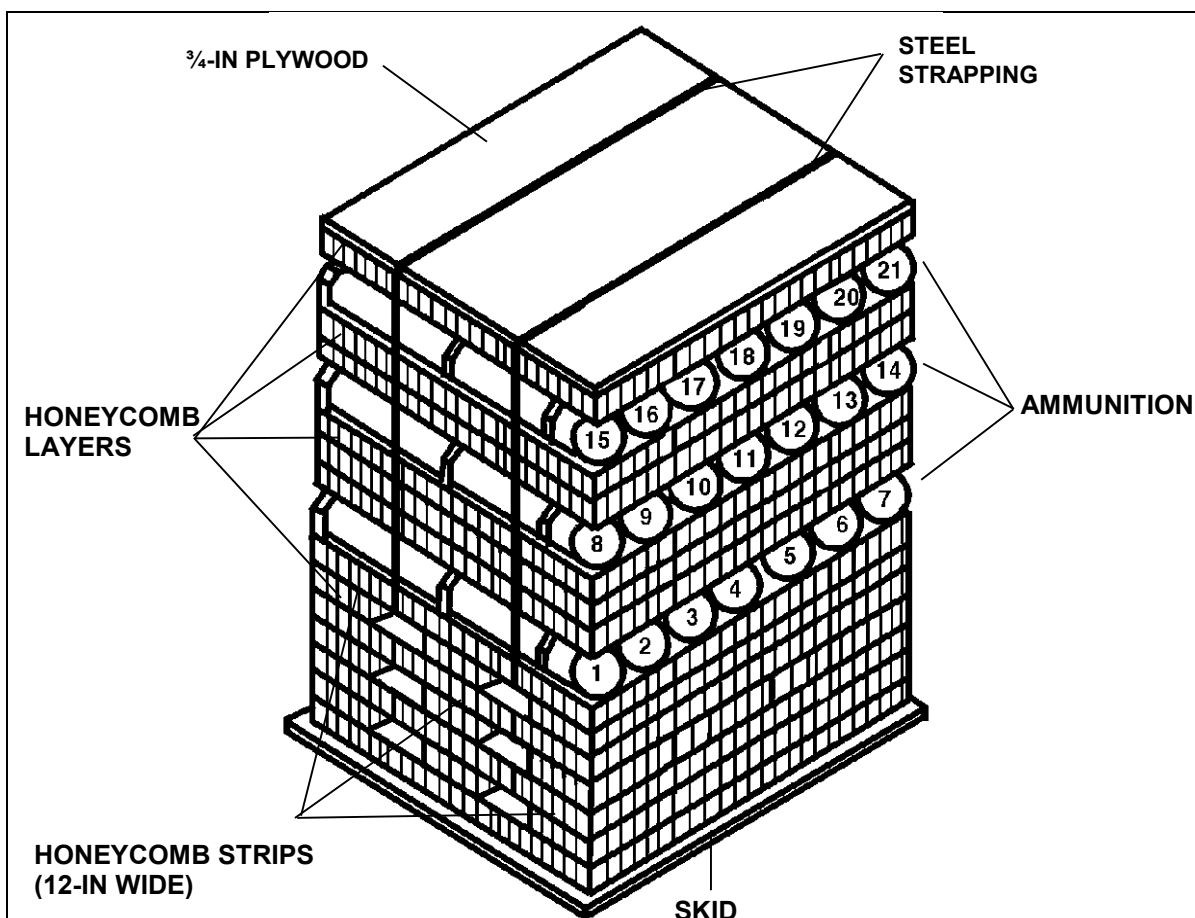


Figure 3-30. Ammunition layout in an A-22 cargo bag for high-velocity airdrop



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, APFSDS-T, M900E1, (DODIC 1315-C543)

Figure 3-31. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

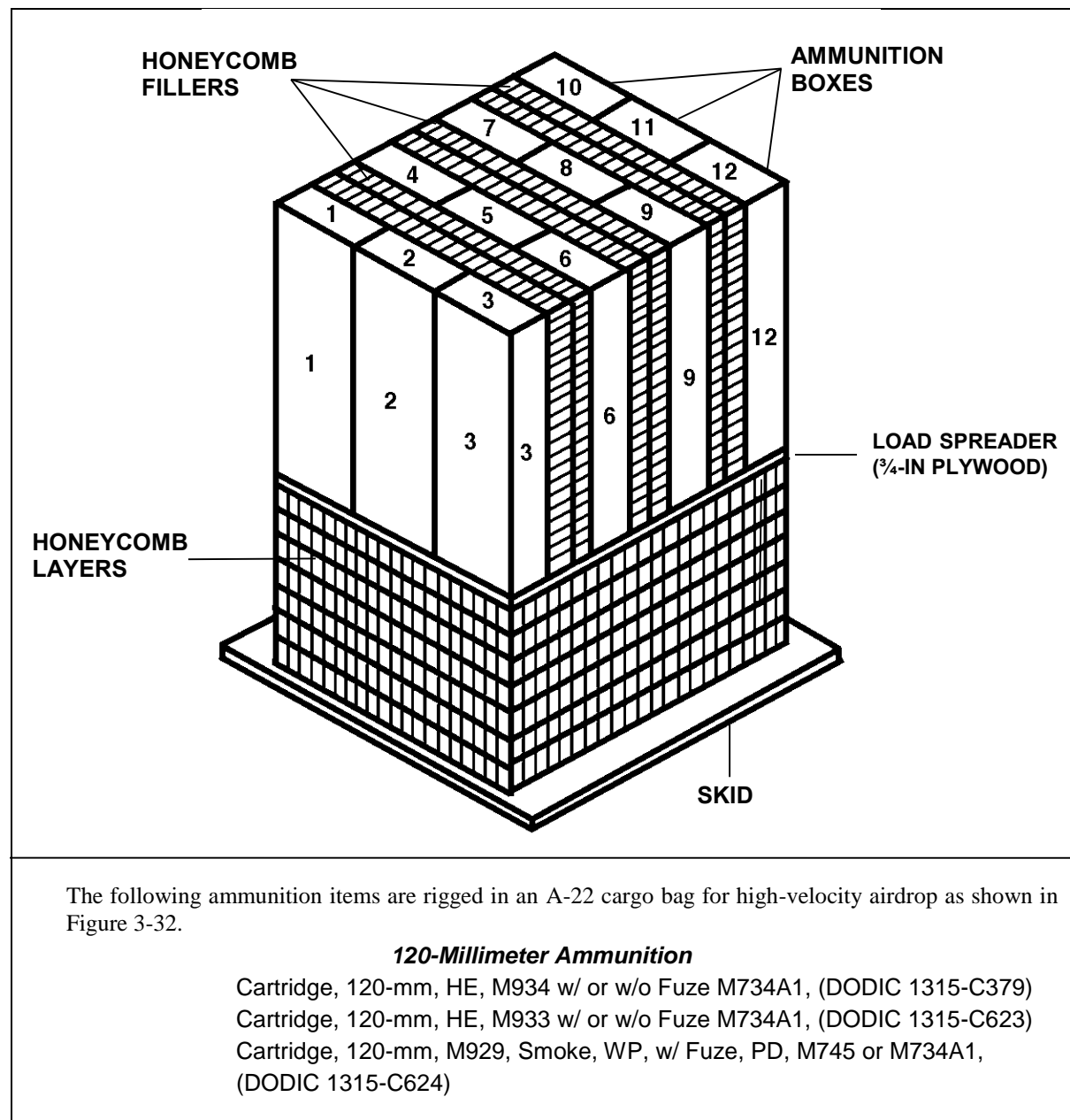


Figure 3-32. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

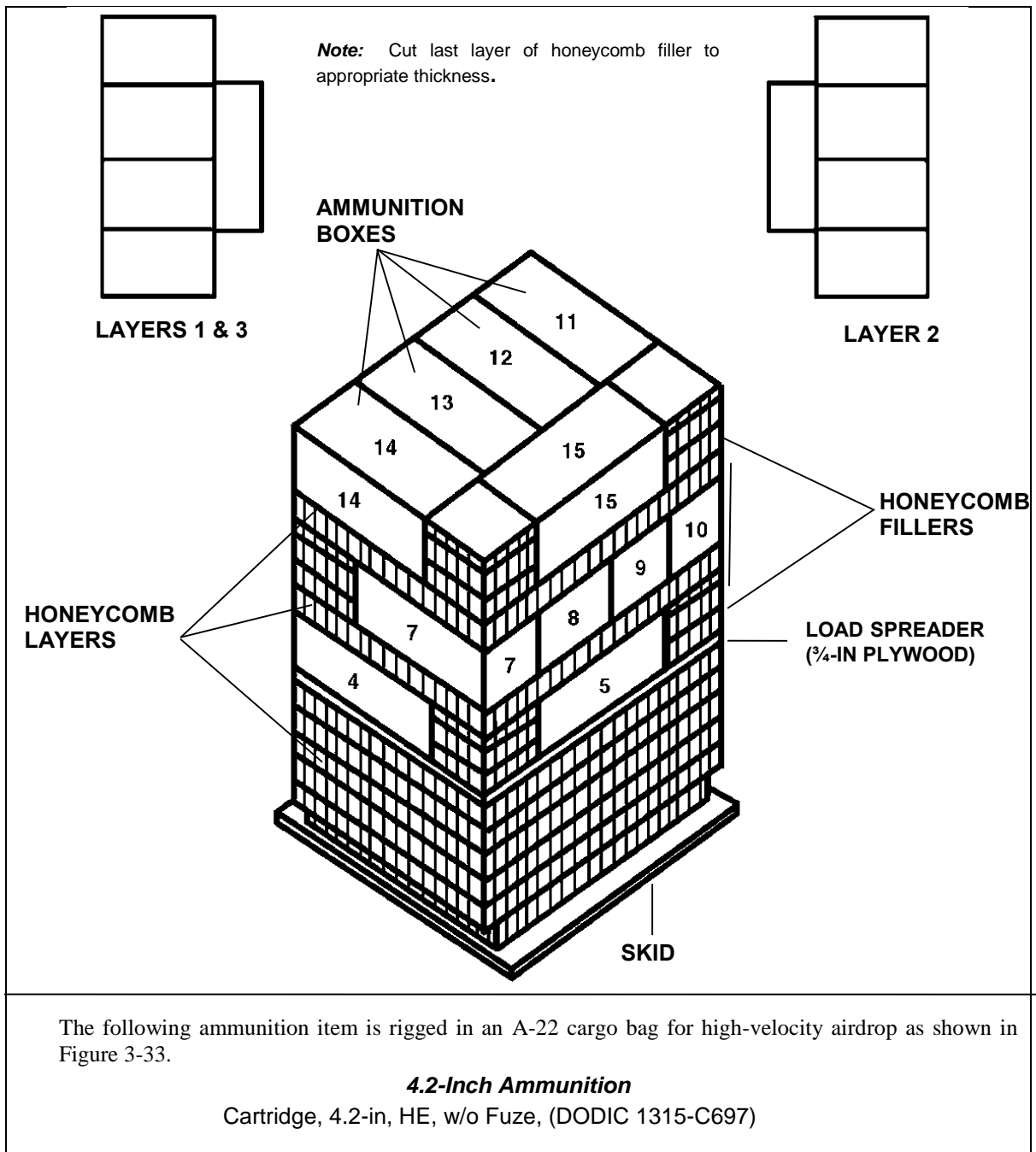


Figure 3-33. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

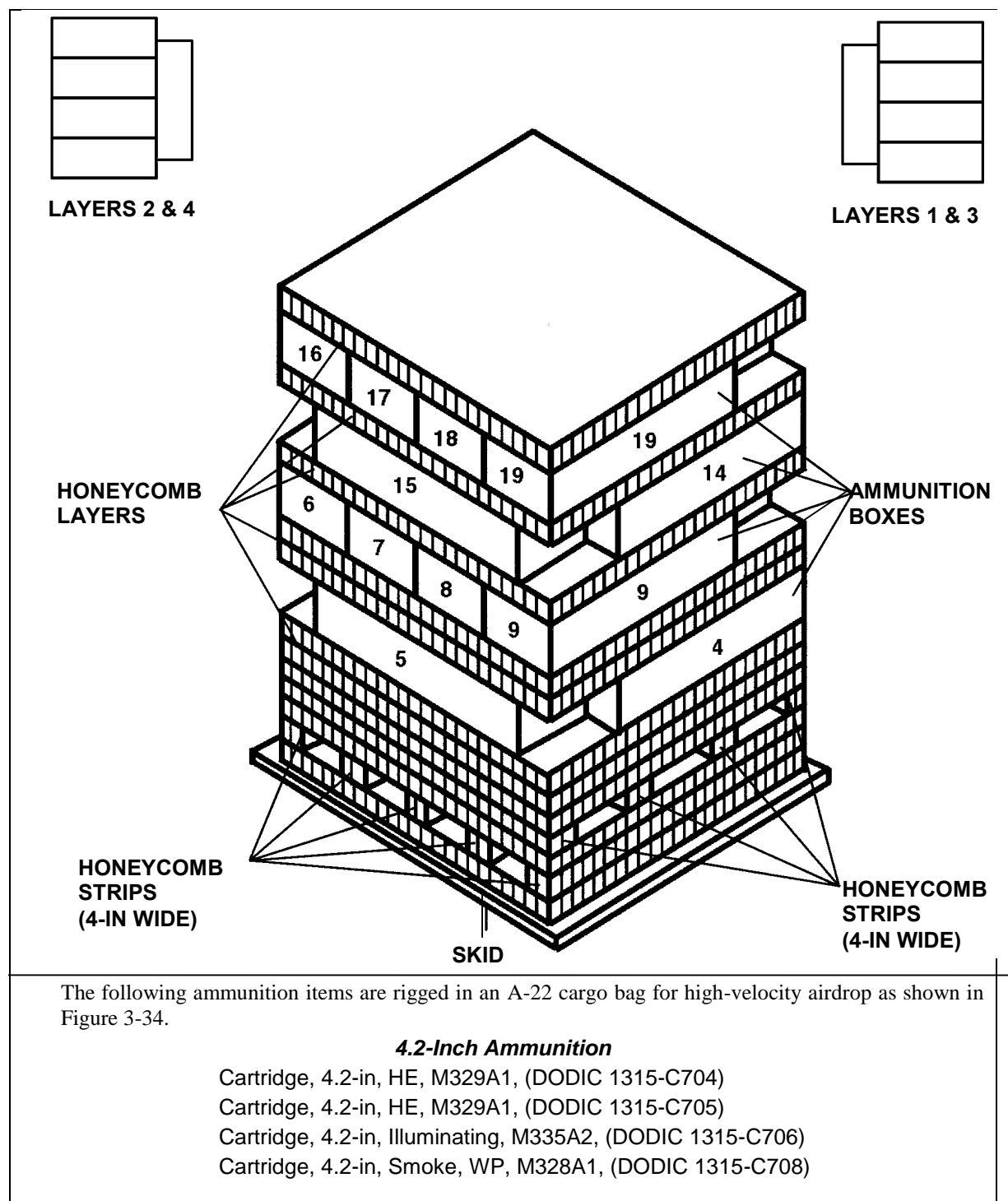


Figure 3-34. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

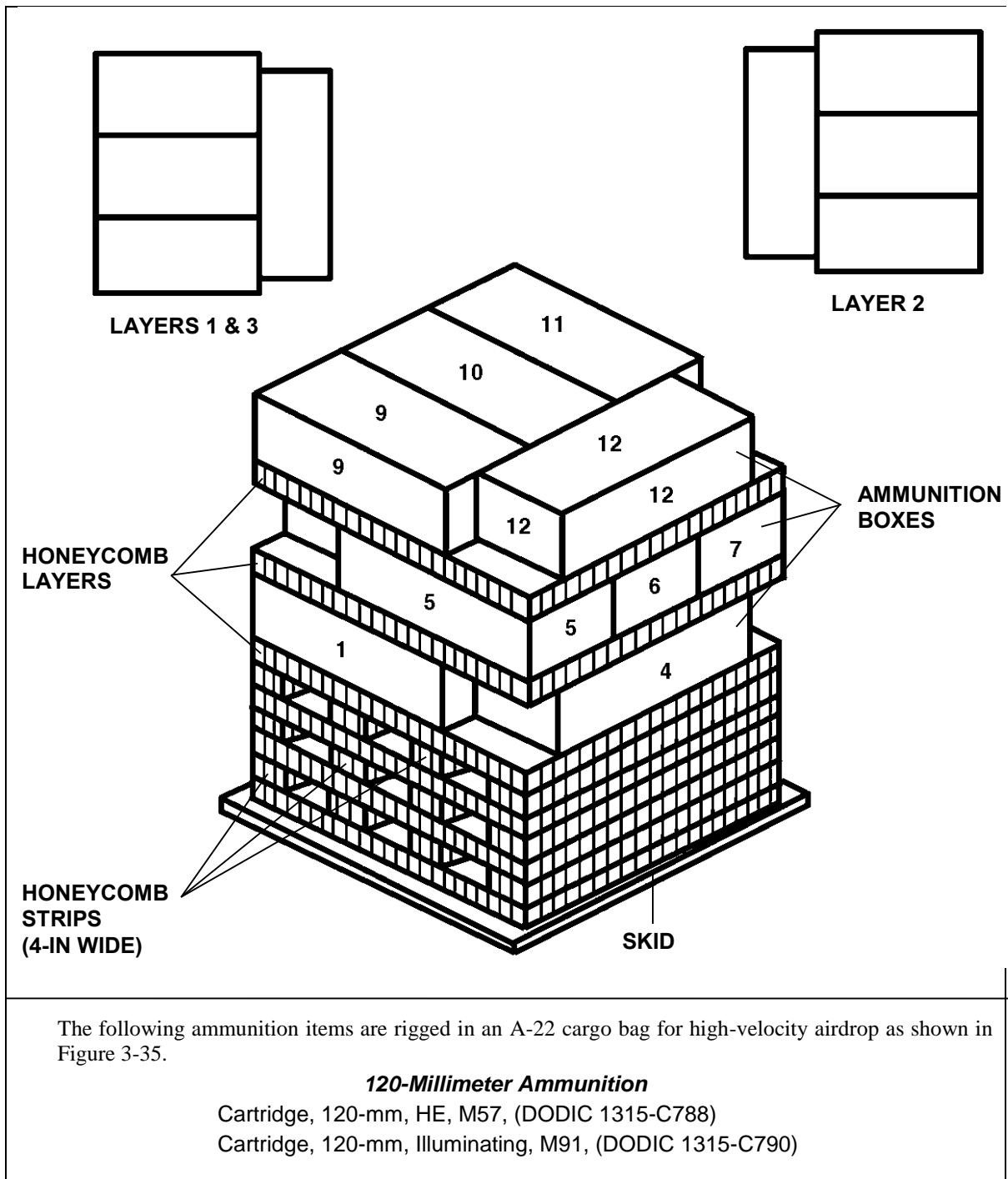


Figure 3-35. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

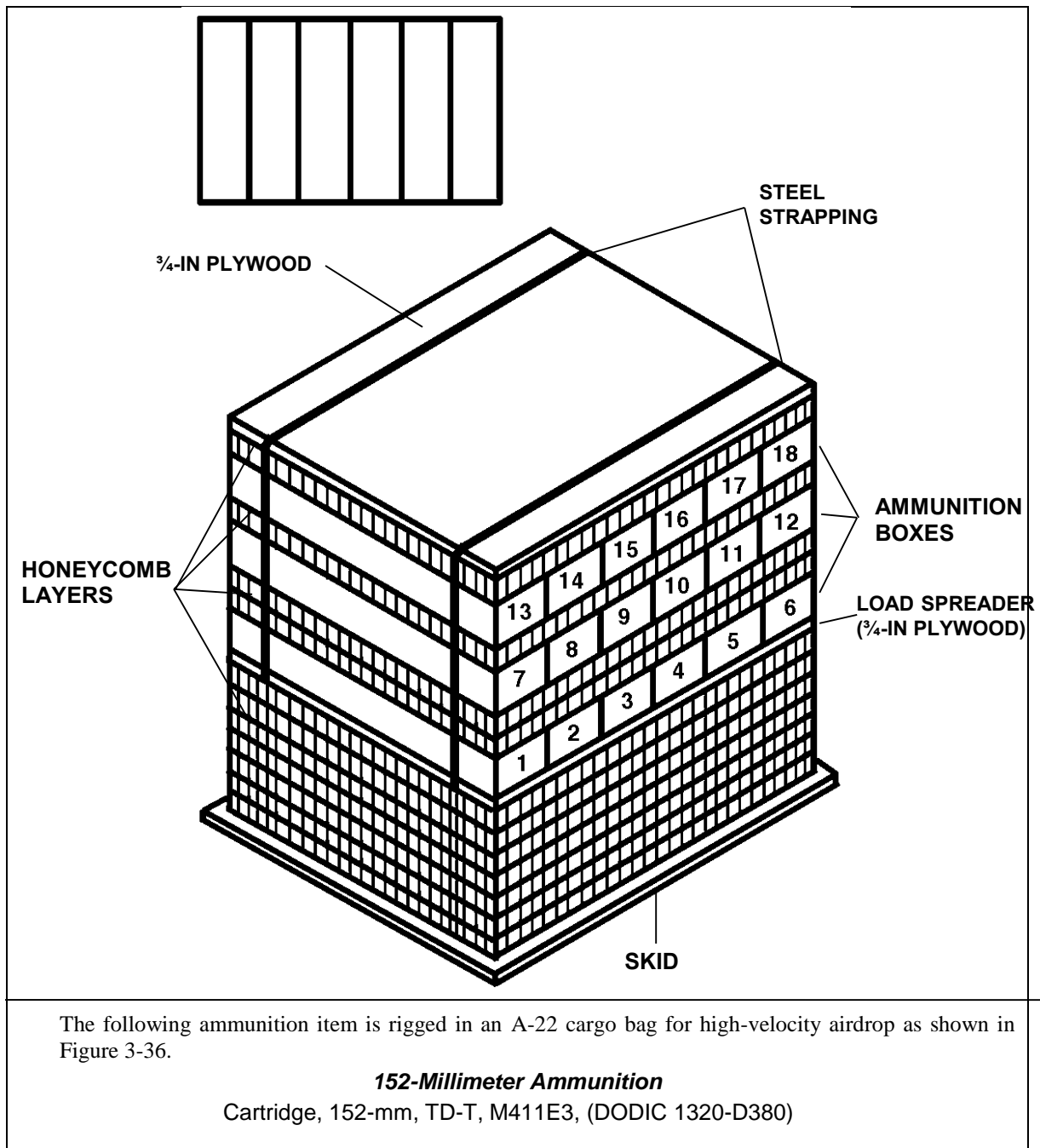


Figure 3-36. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

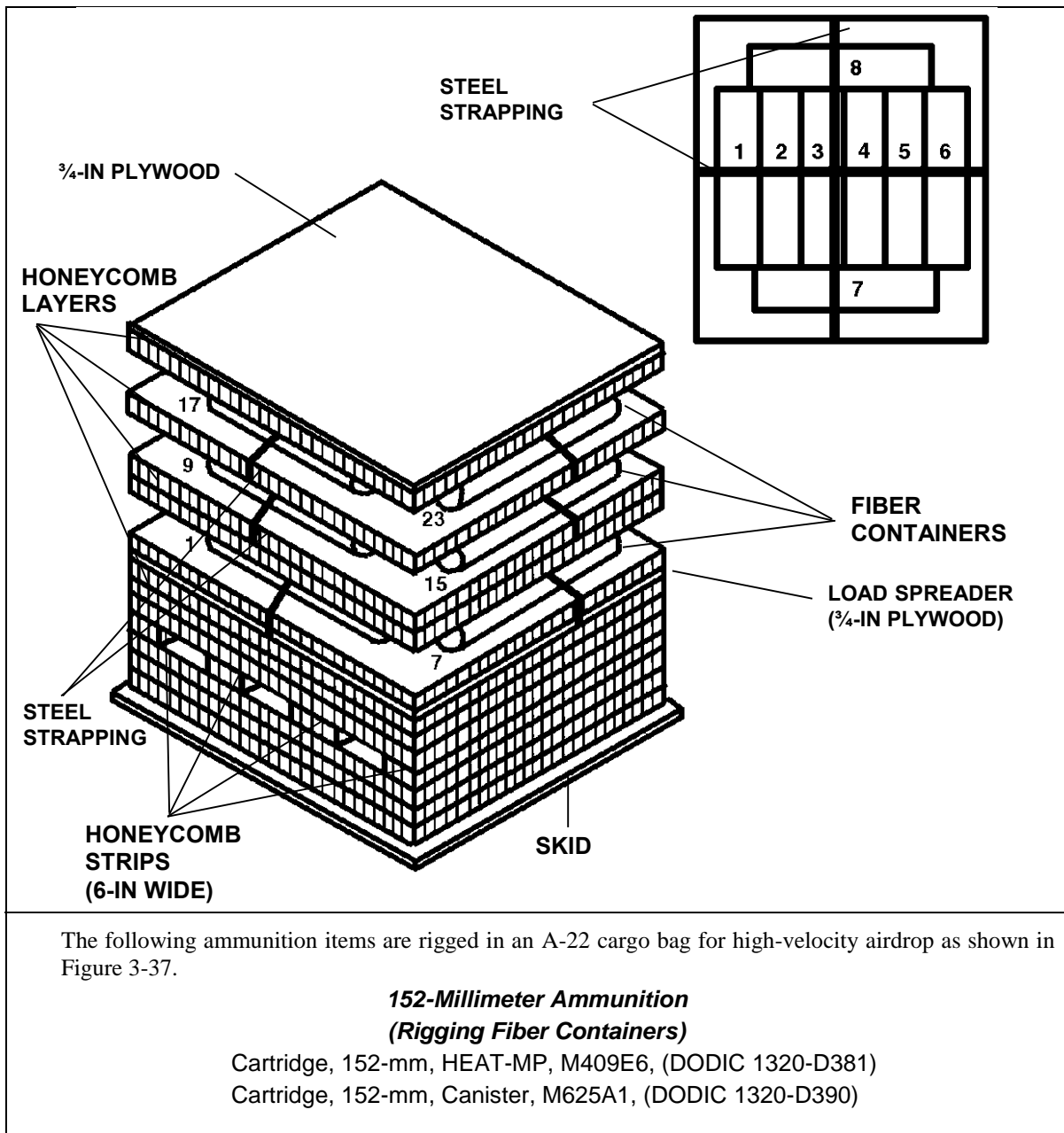


Figure 3-37. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

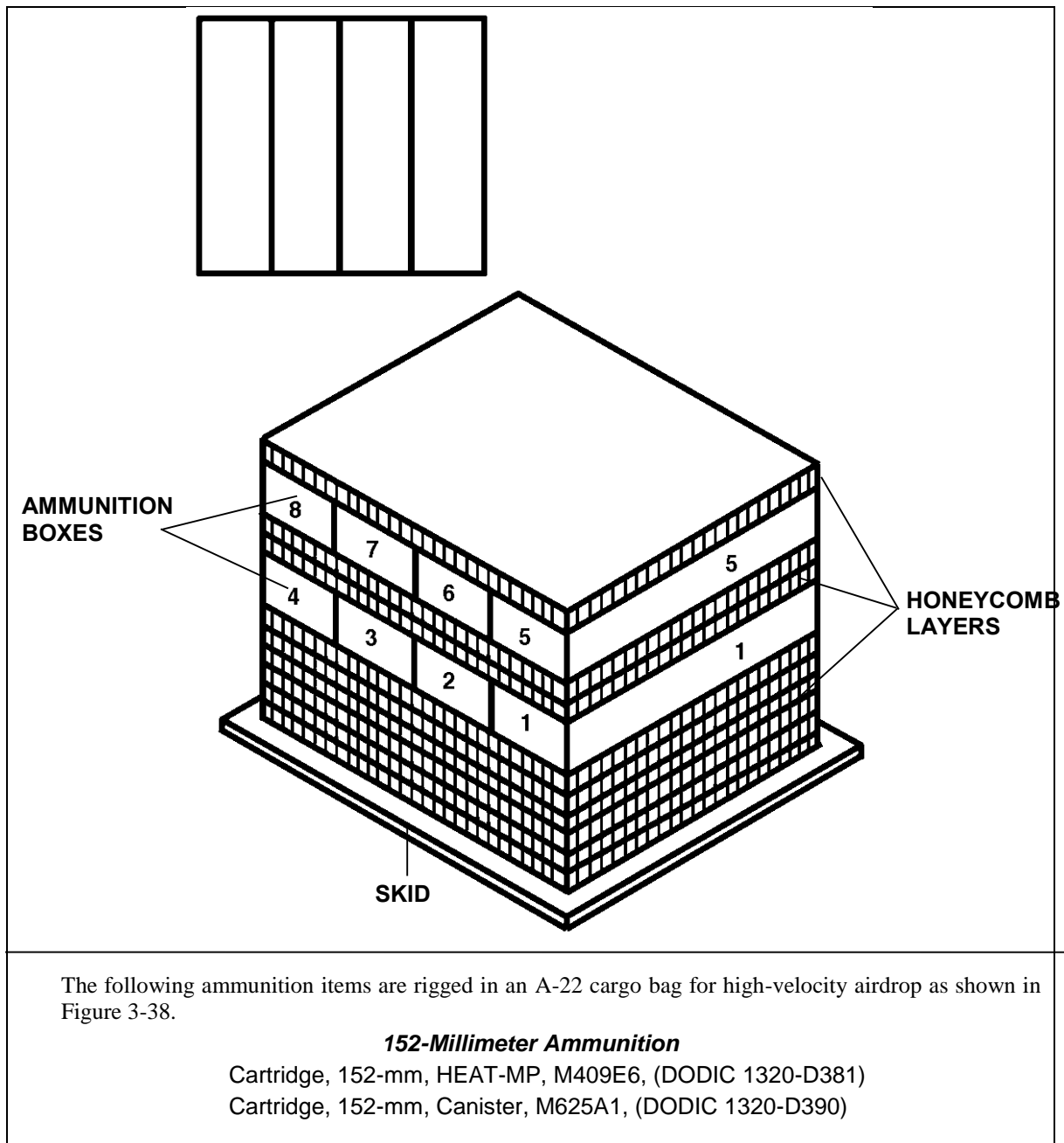


Figure 3-38. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

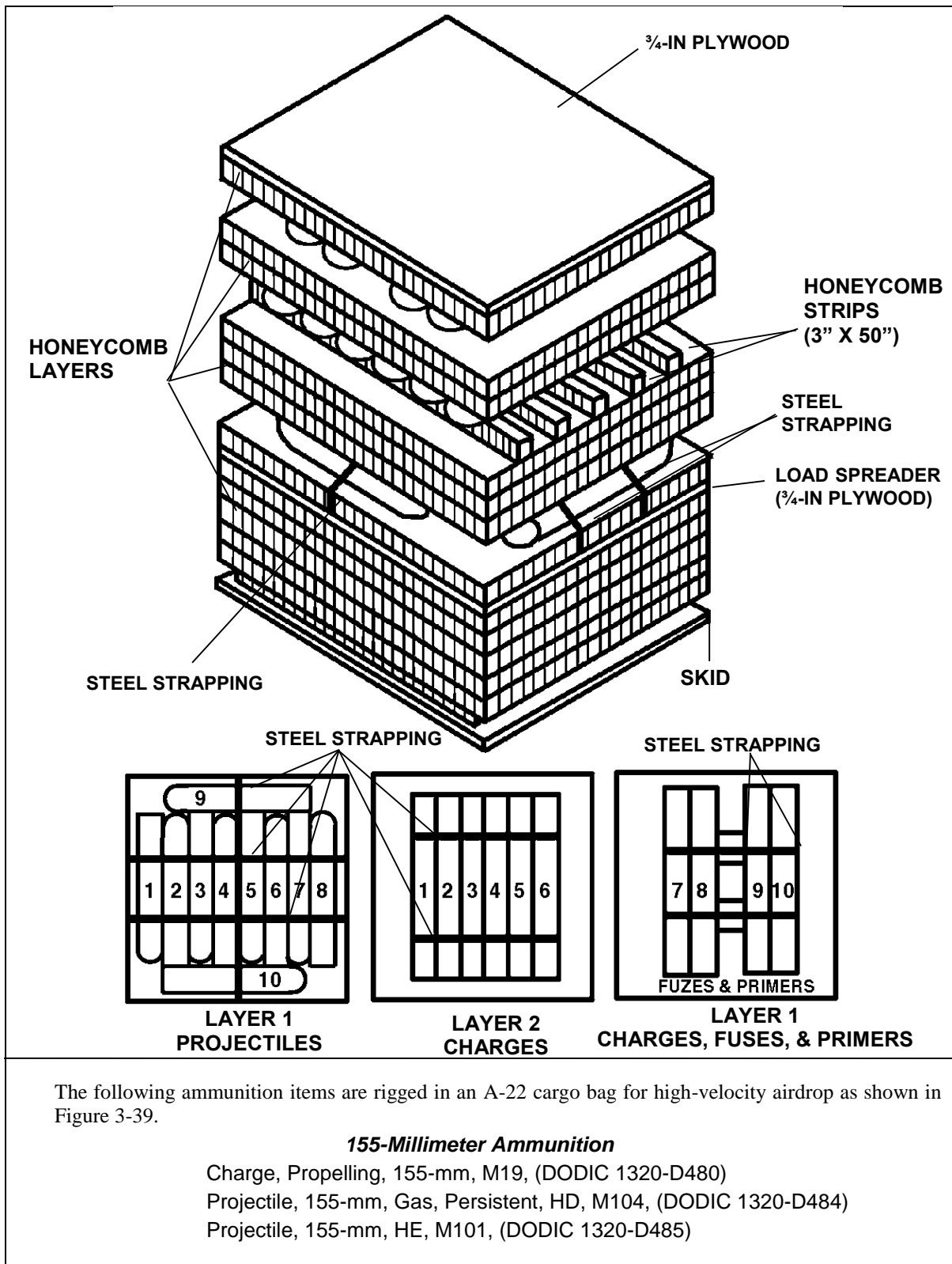


Figure 3-39. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

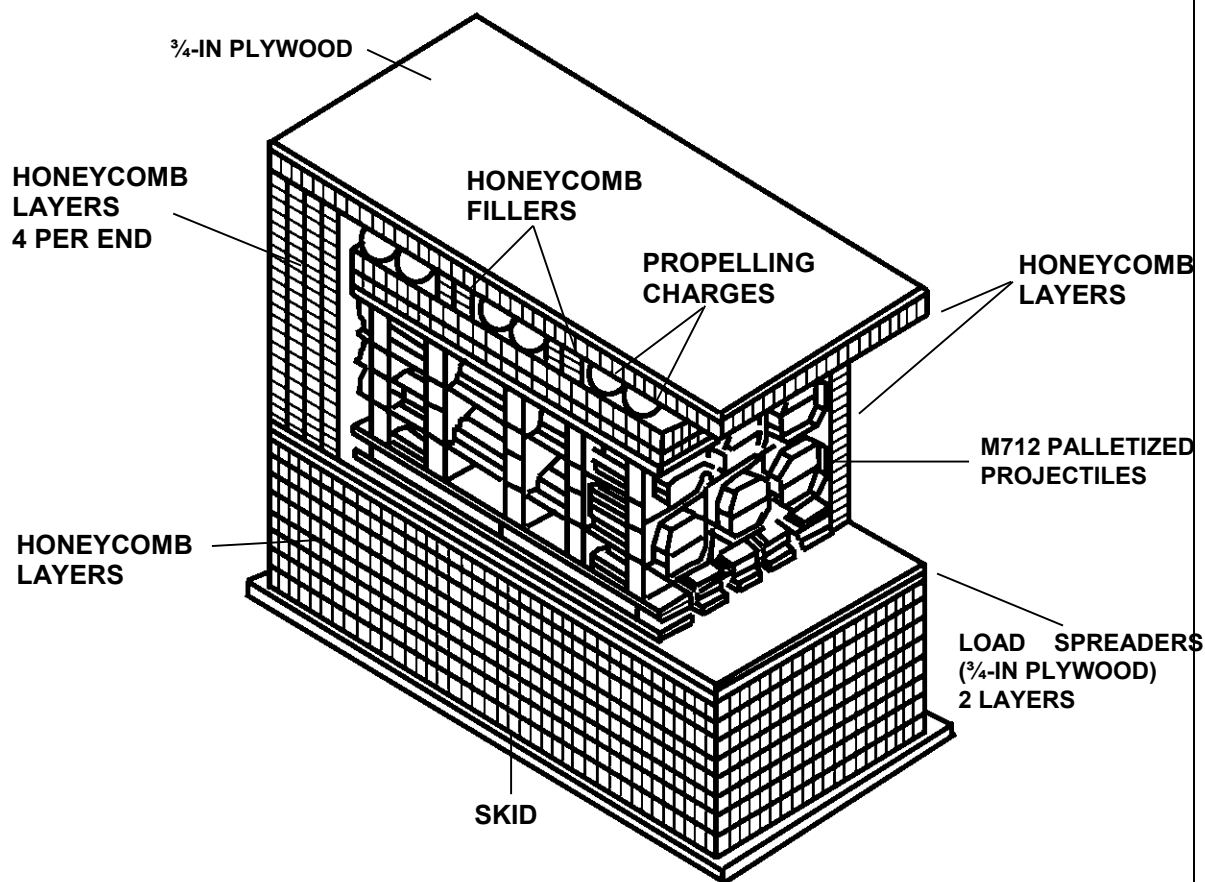
Projectile, 155-mm, Smoke, WP, M104, (DODIC 1320-D487)
 Reducer, Flash, Propelling Charge, M1, (DODIC 1320-D490)
 Projectile, 155-mm, HE, ADAM, M692, (DODIC 1320-D501)
 Projectile, 155-mm, HE, ADAM, M731, (DODIC 1320-D502)
 Projectile, 155-mm, AT, RAAMS, M718, (DODIC 1320-D503)
 Projectile, 155-mm, Illuminating, 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 TM 4-48.03/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

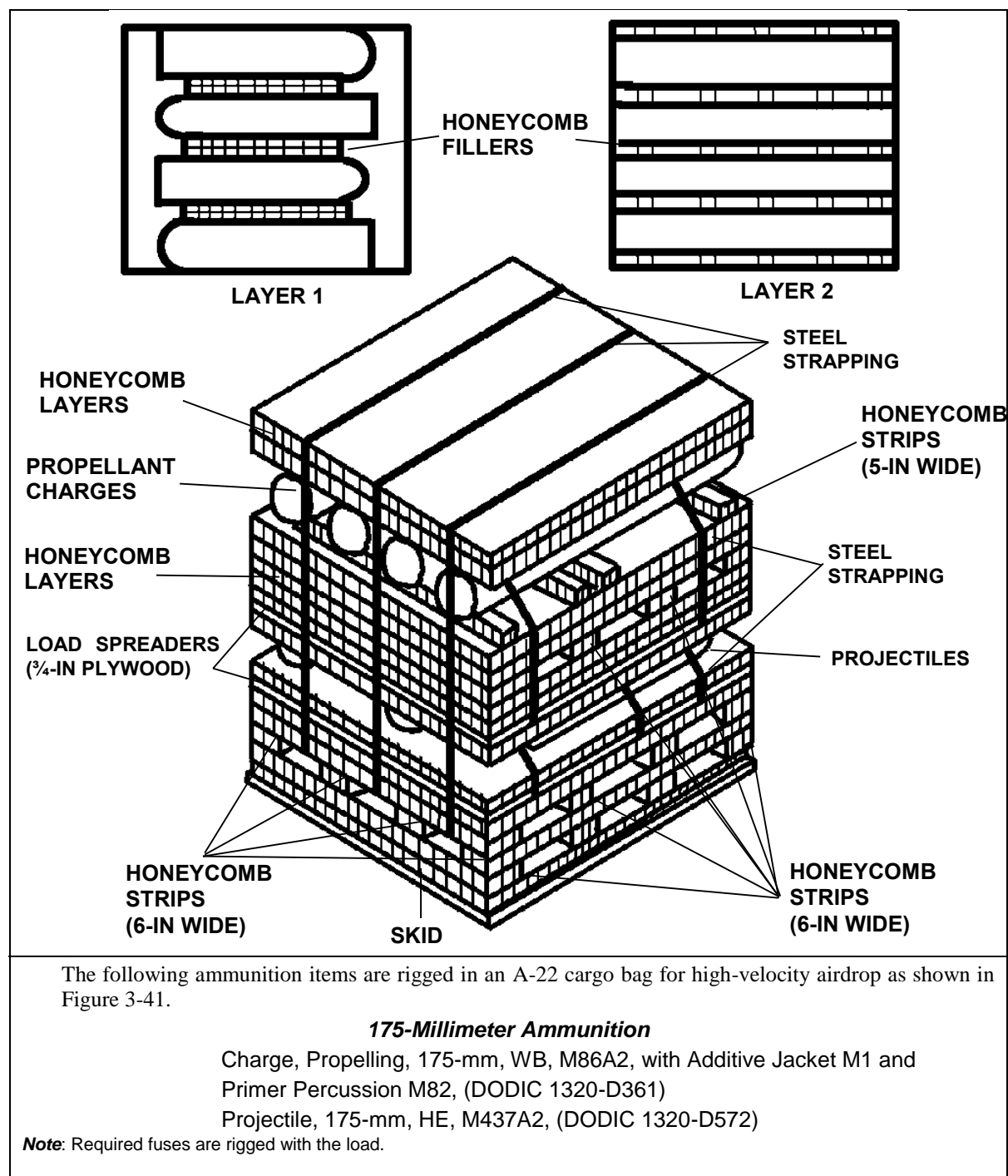
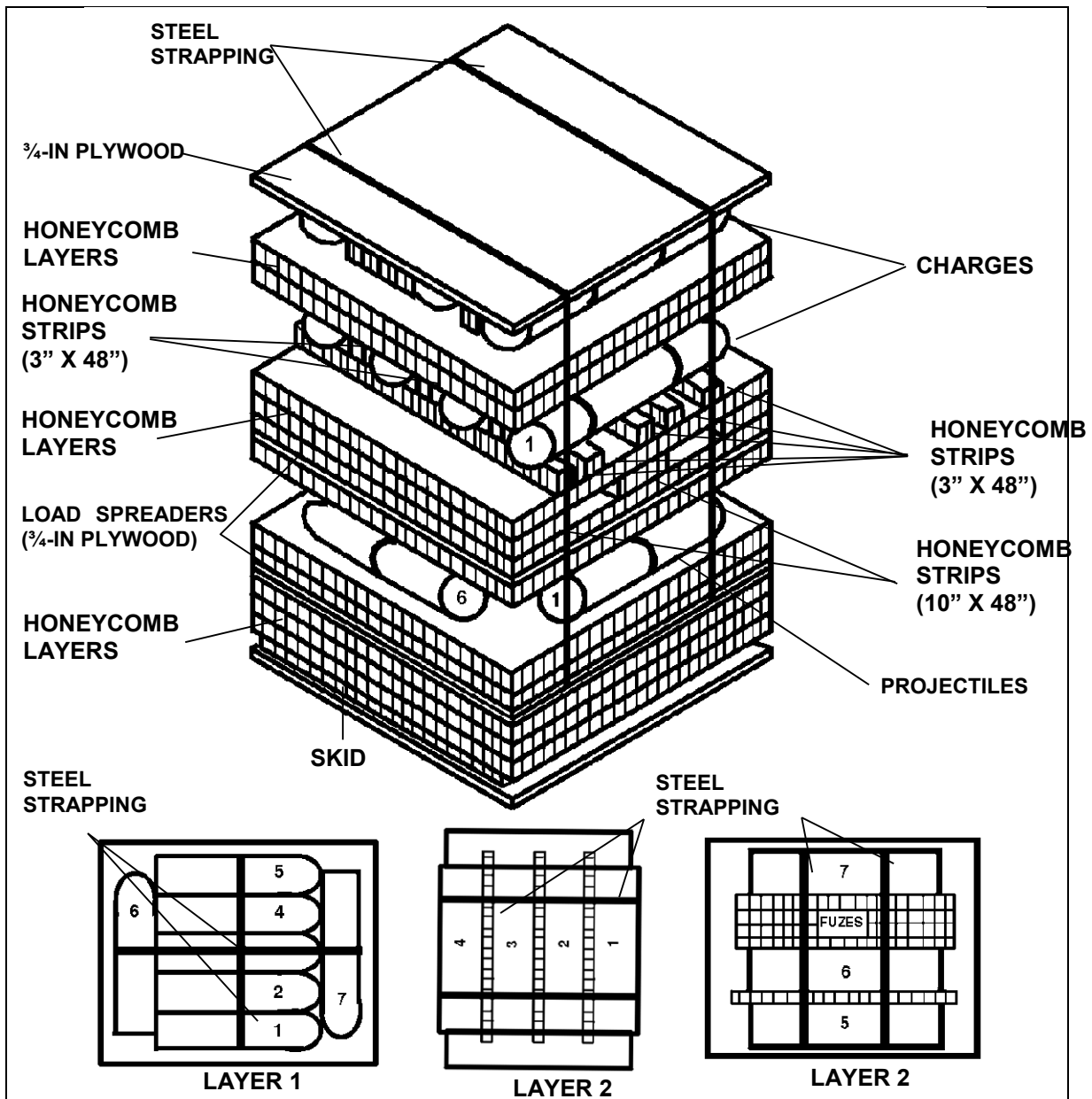


Figure 3-41. Ammunition layout in an A-22 cargo bag for high-velocity airdrop



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)

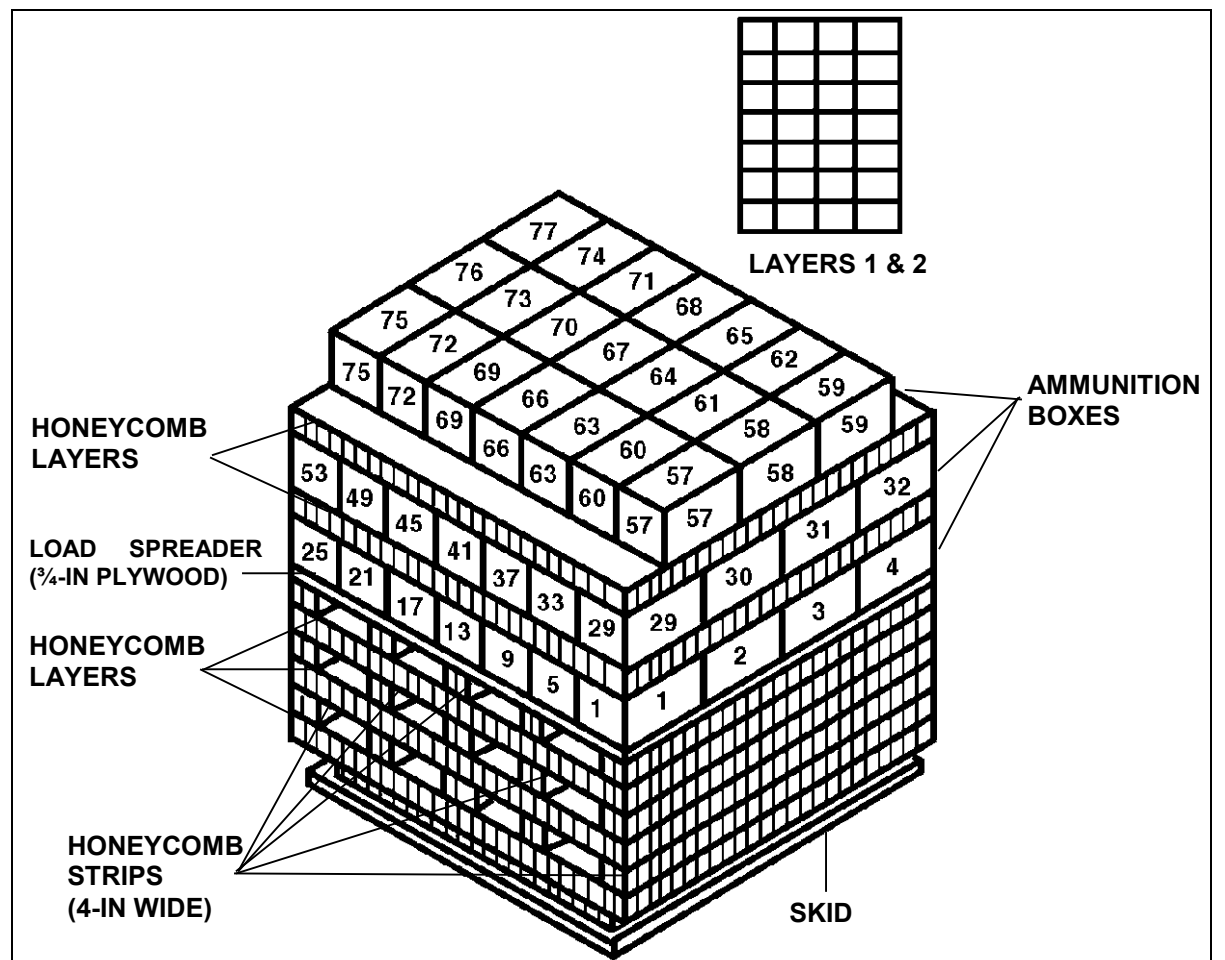
Figure 3-42. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

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.

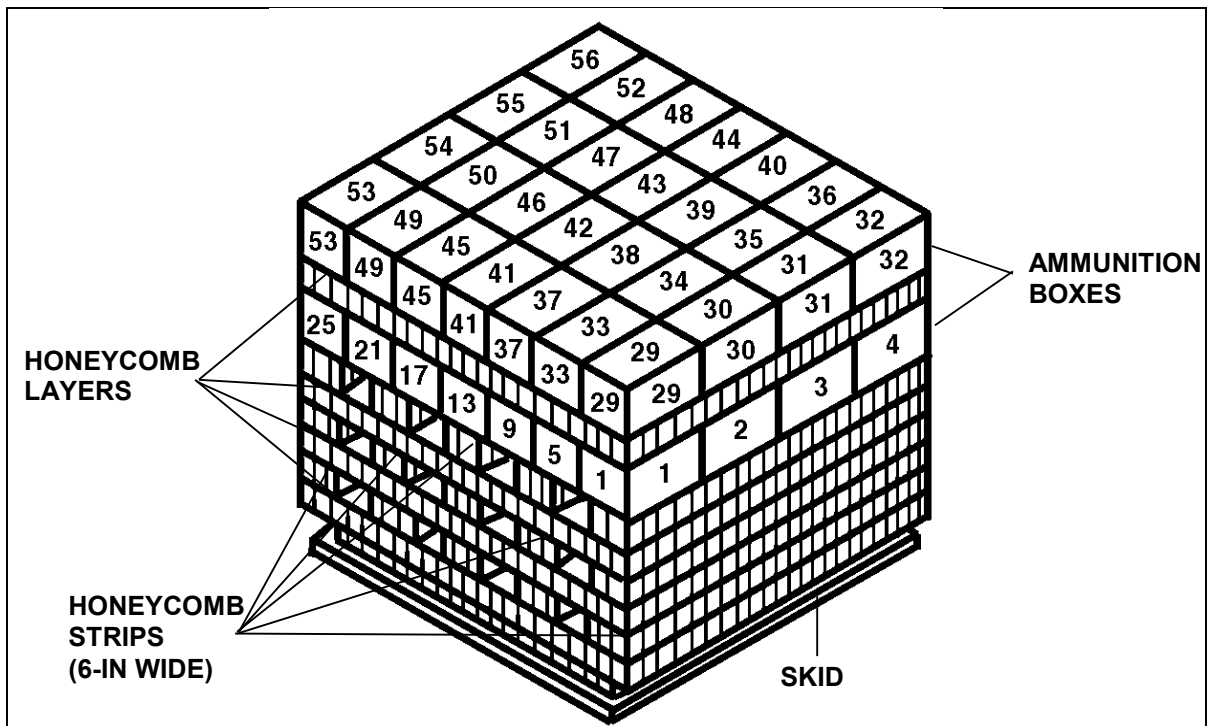
Figure 3-42. Ammunition layout in an A-22 cargo bag for high-velocity airdrop (continued)

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

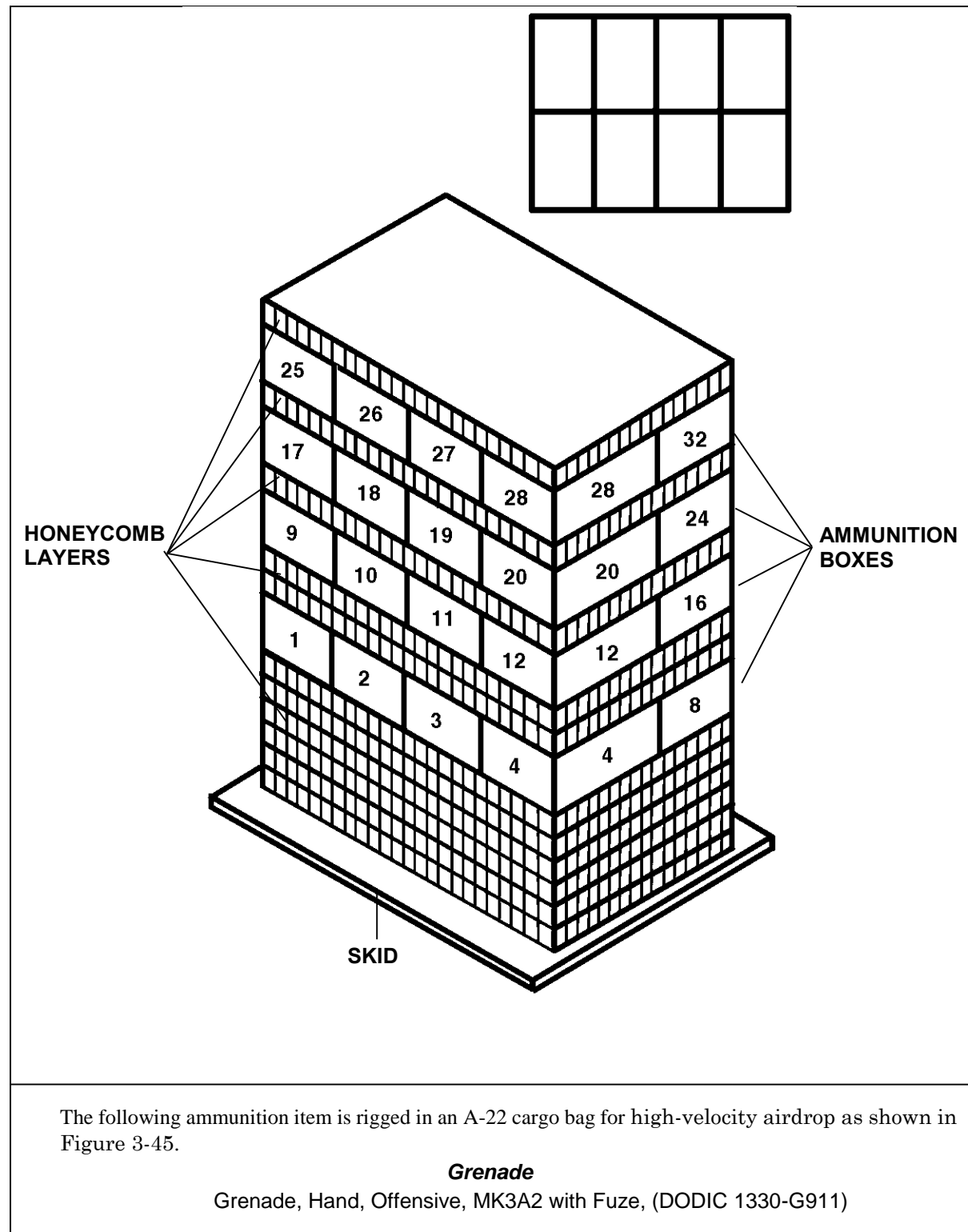


Figure 3-45. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

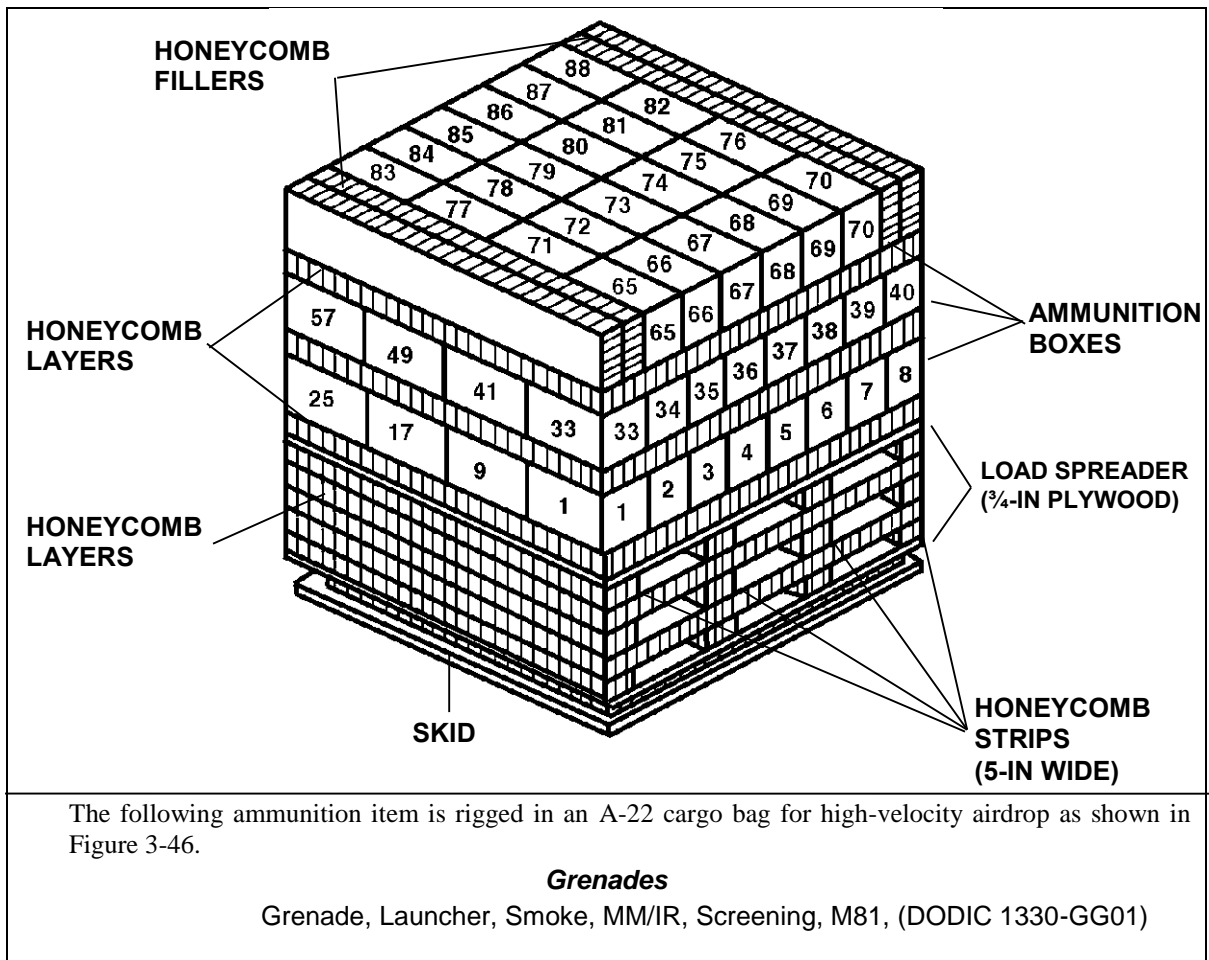


Figure 3-46. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

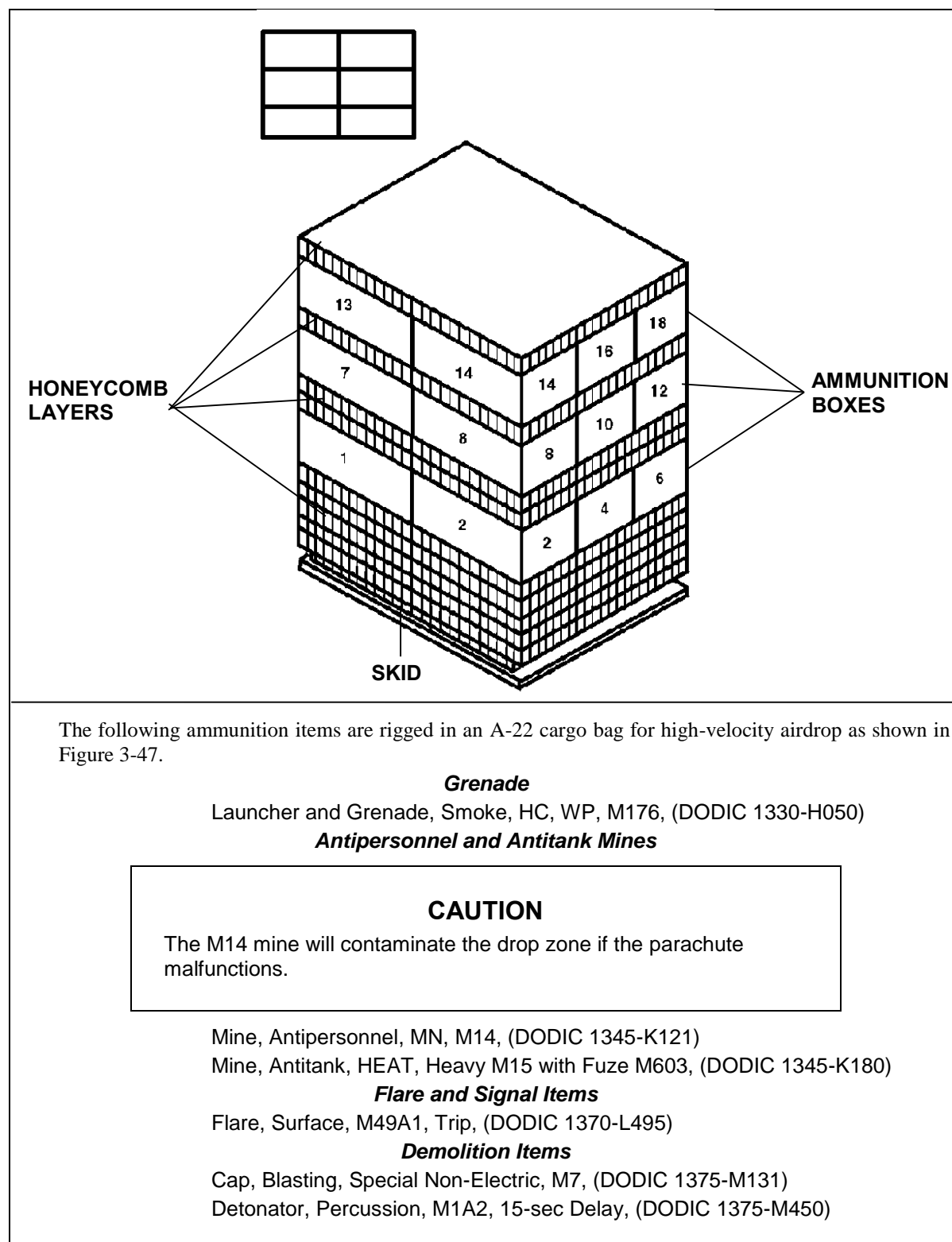


Figure 3-47. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

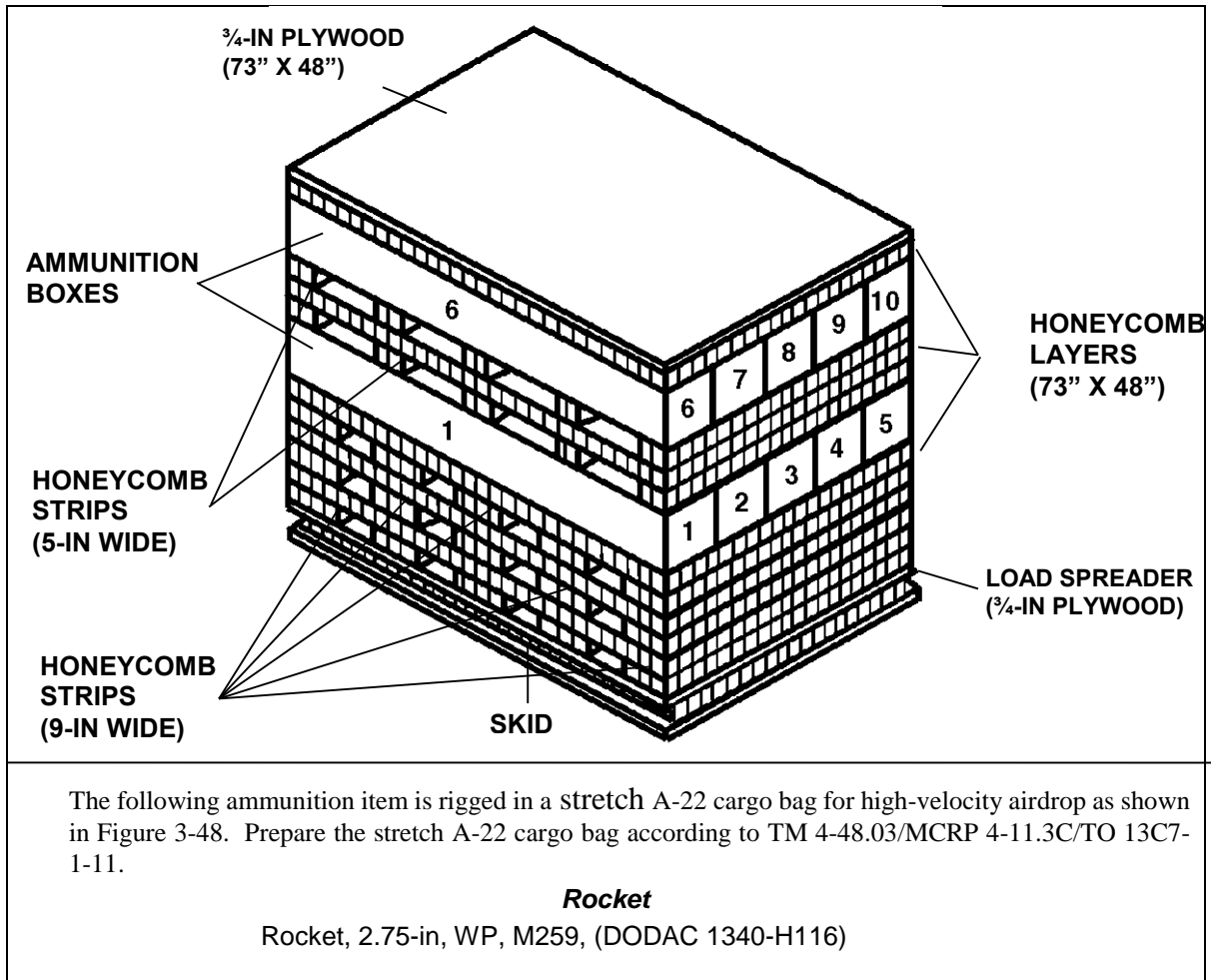


Figure 3-48. Ammunition layout in a stretch A-22 cargo bag for high-velocity airdrop

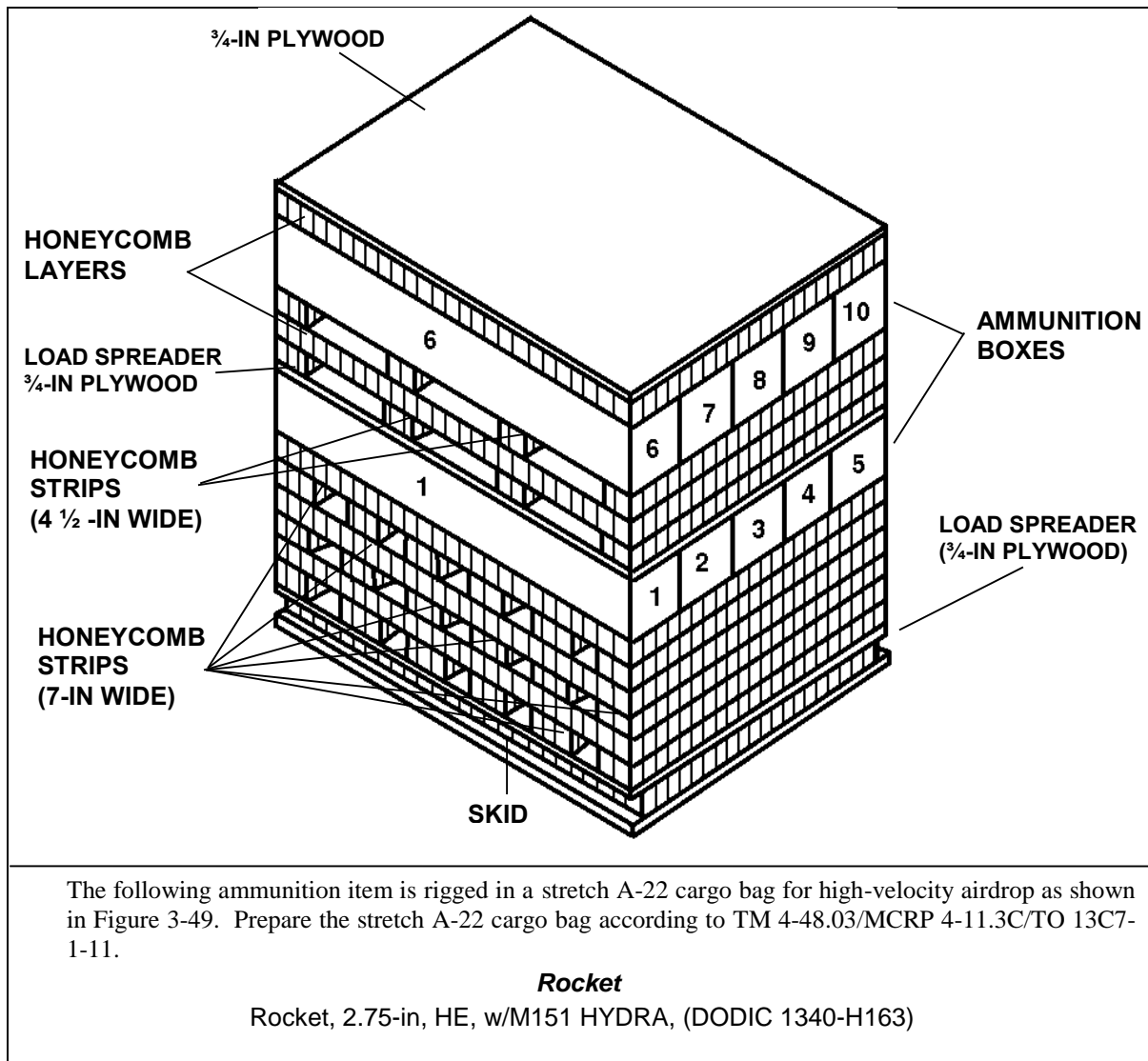


Figure 3-49. Ammunition layout in a stretch A-22 cargo bag for high-velocity airdrop

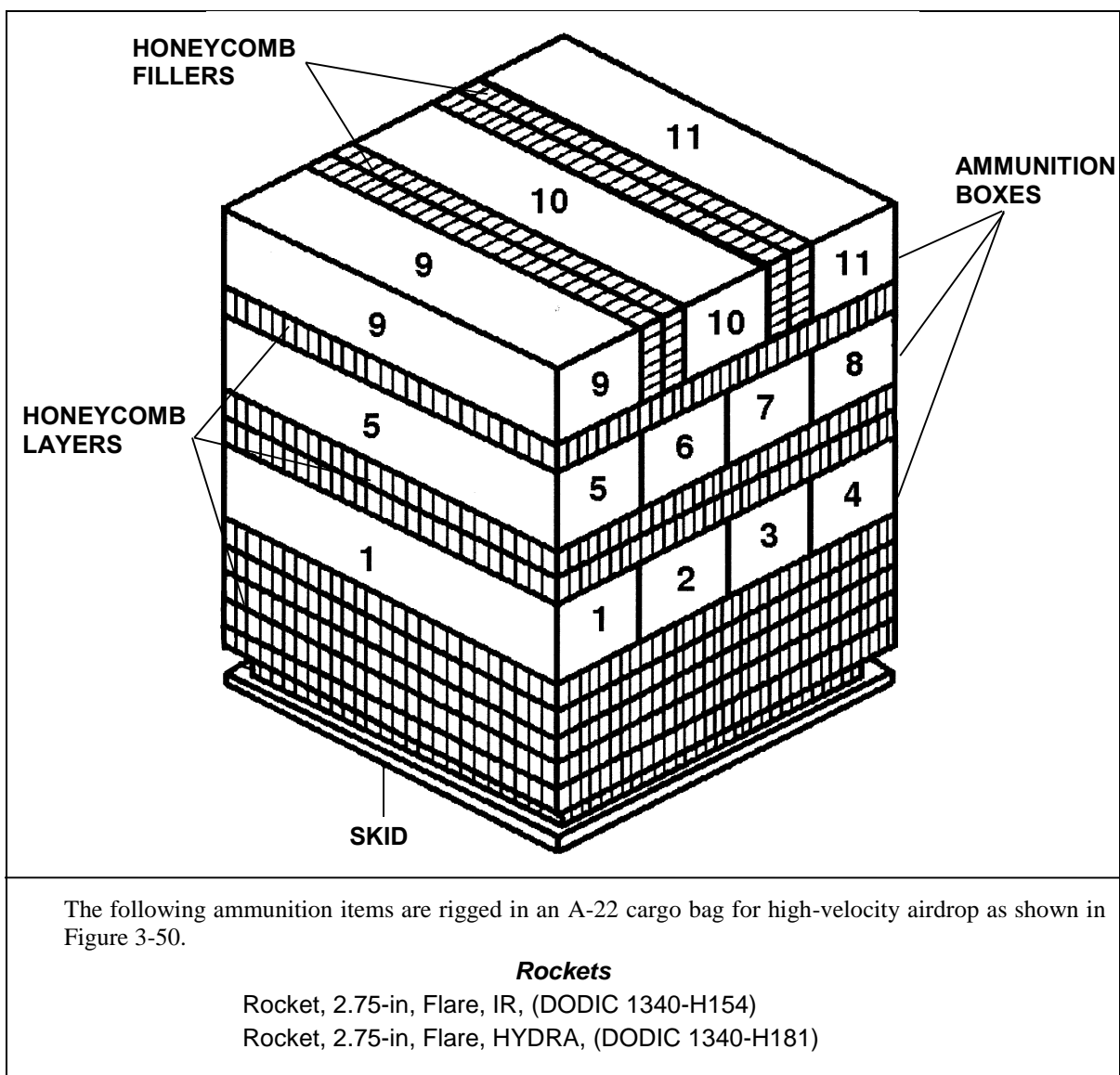


Figure 3-50. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

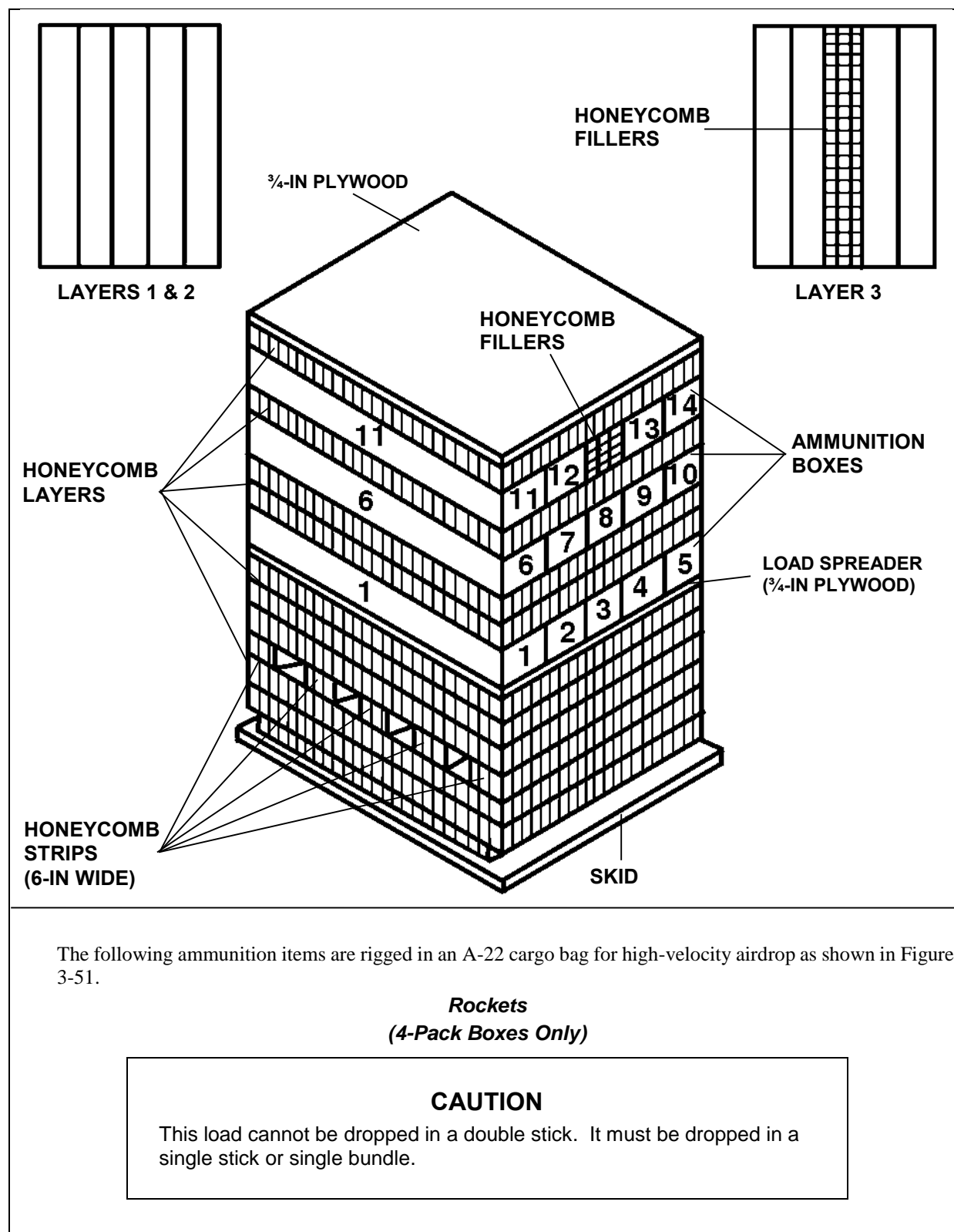
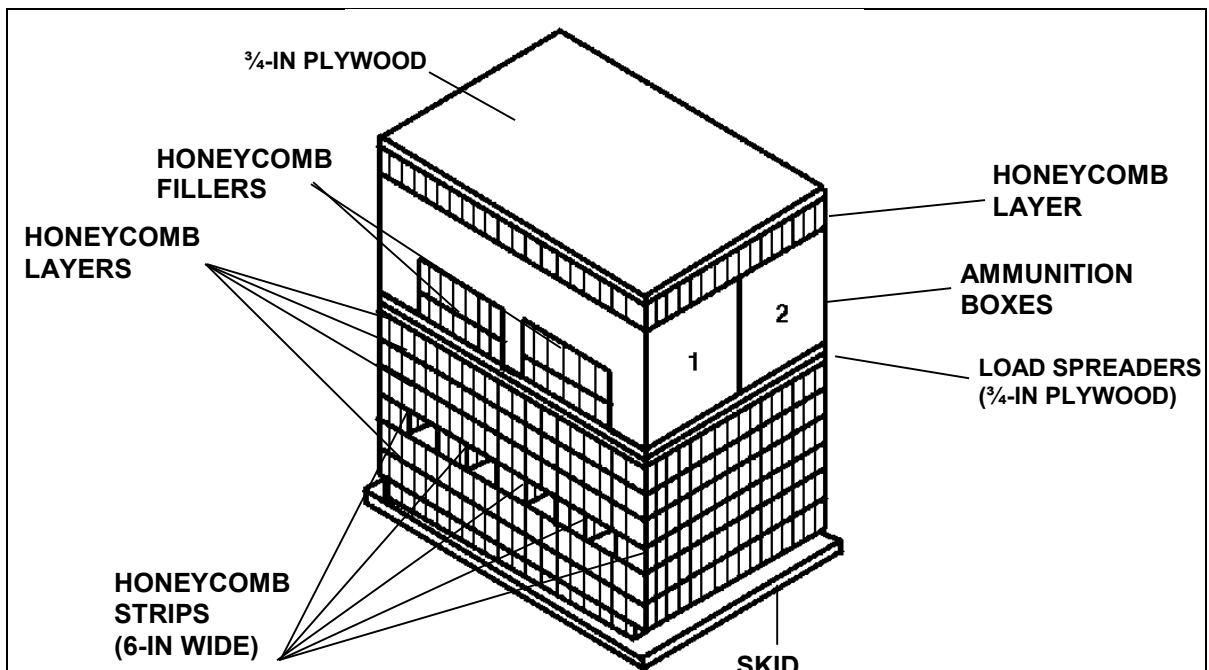


Figure 3-51. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

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)



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

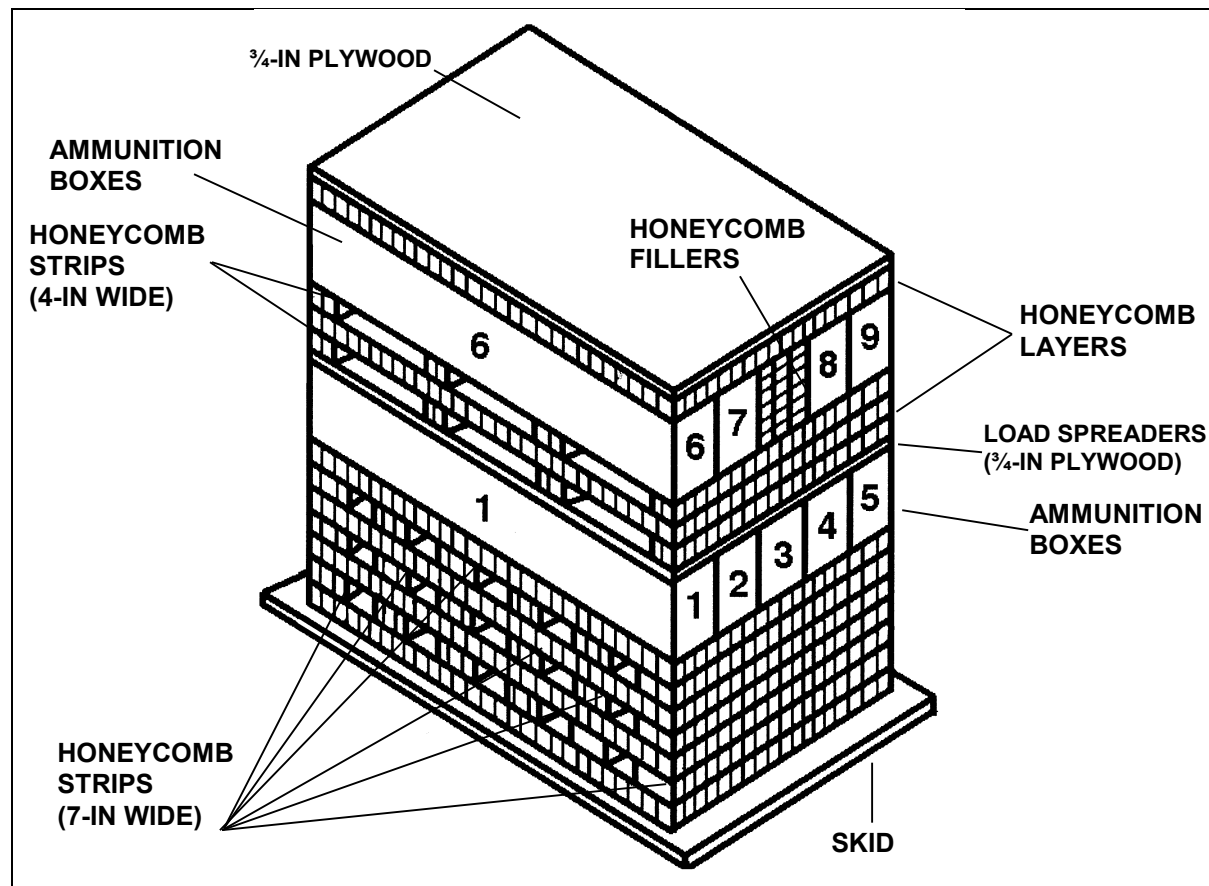
Rockets
(25-Pack Boxes Only)

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)

Figure 3-52. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

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 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 TM 4-48.03/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

15 March 2016

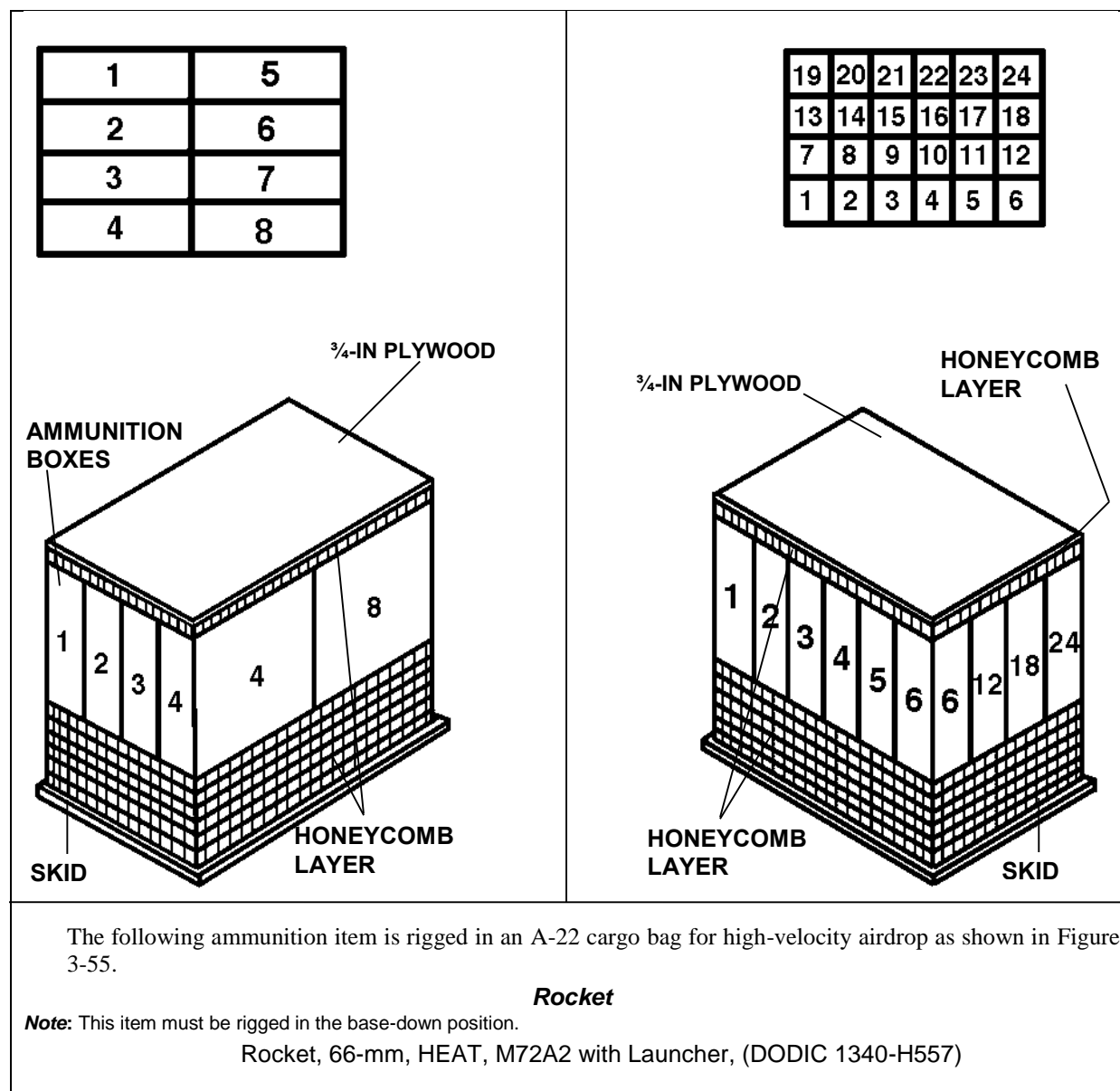


Figure 3-55. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

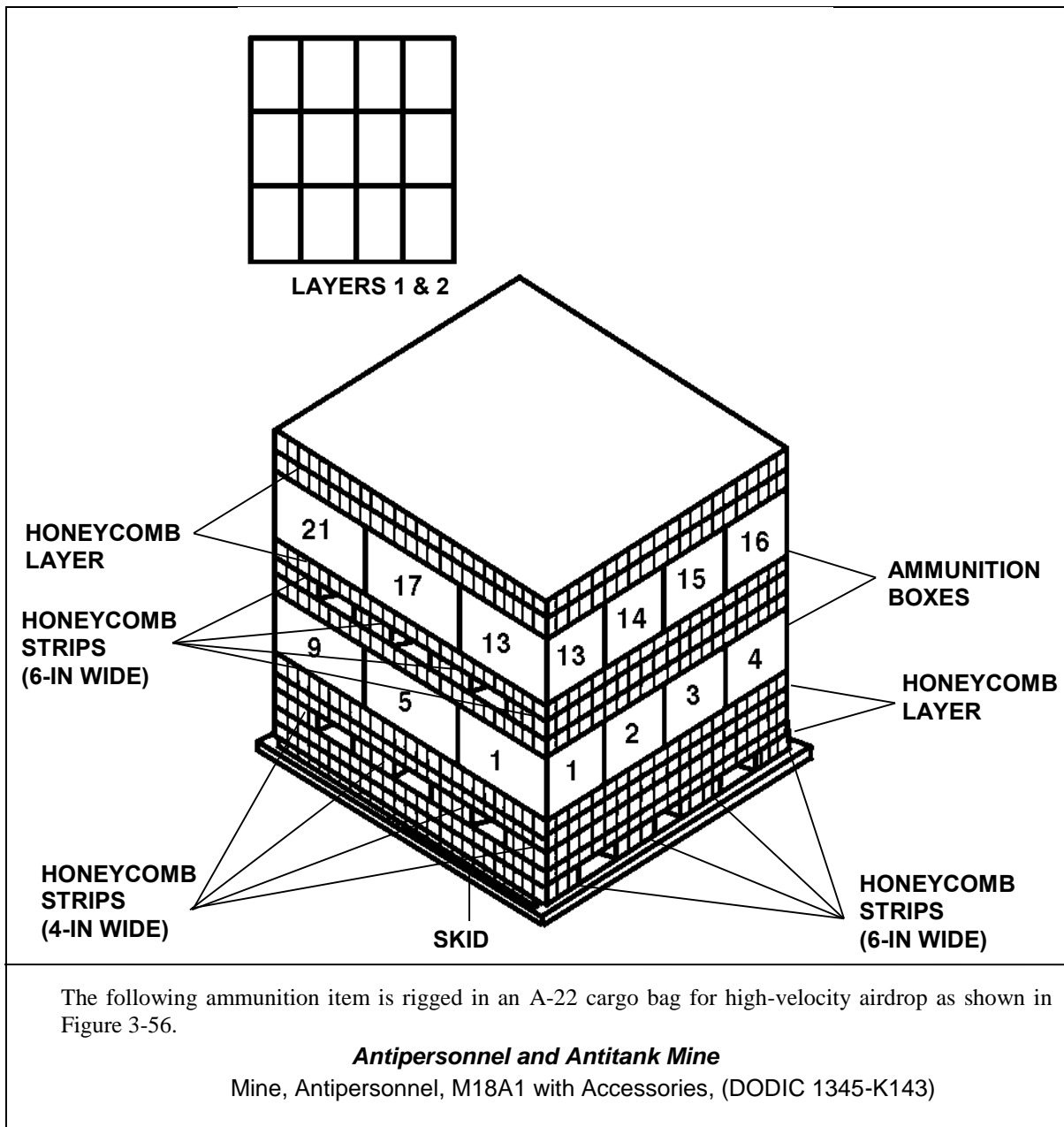


Figure 3-56. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

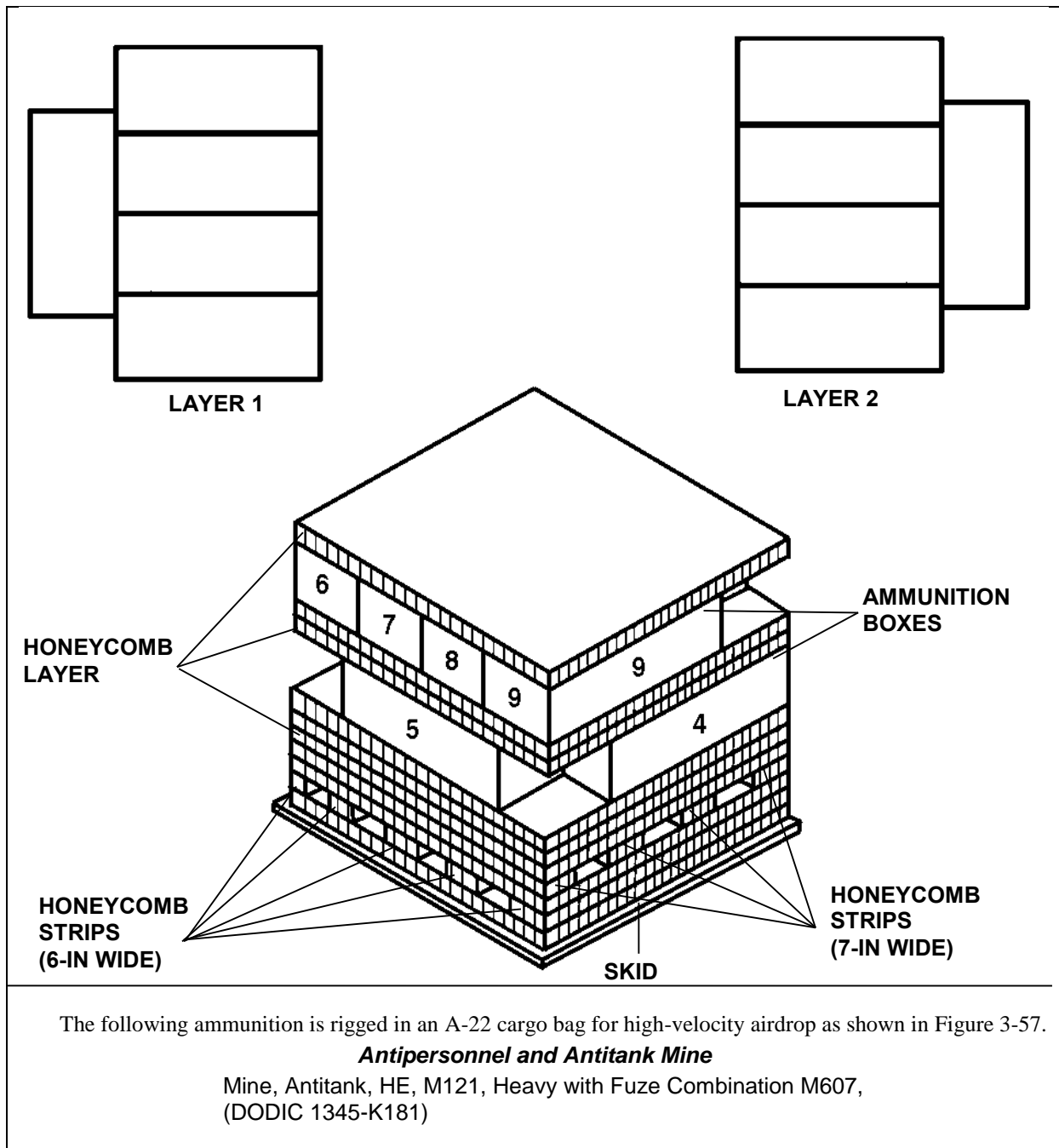


Figure 3-57. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

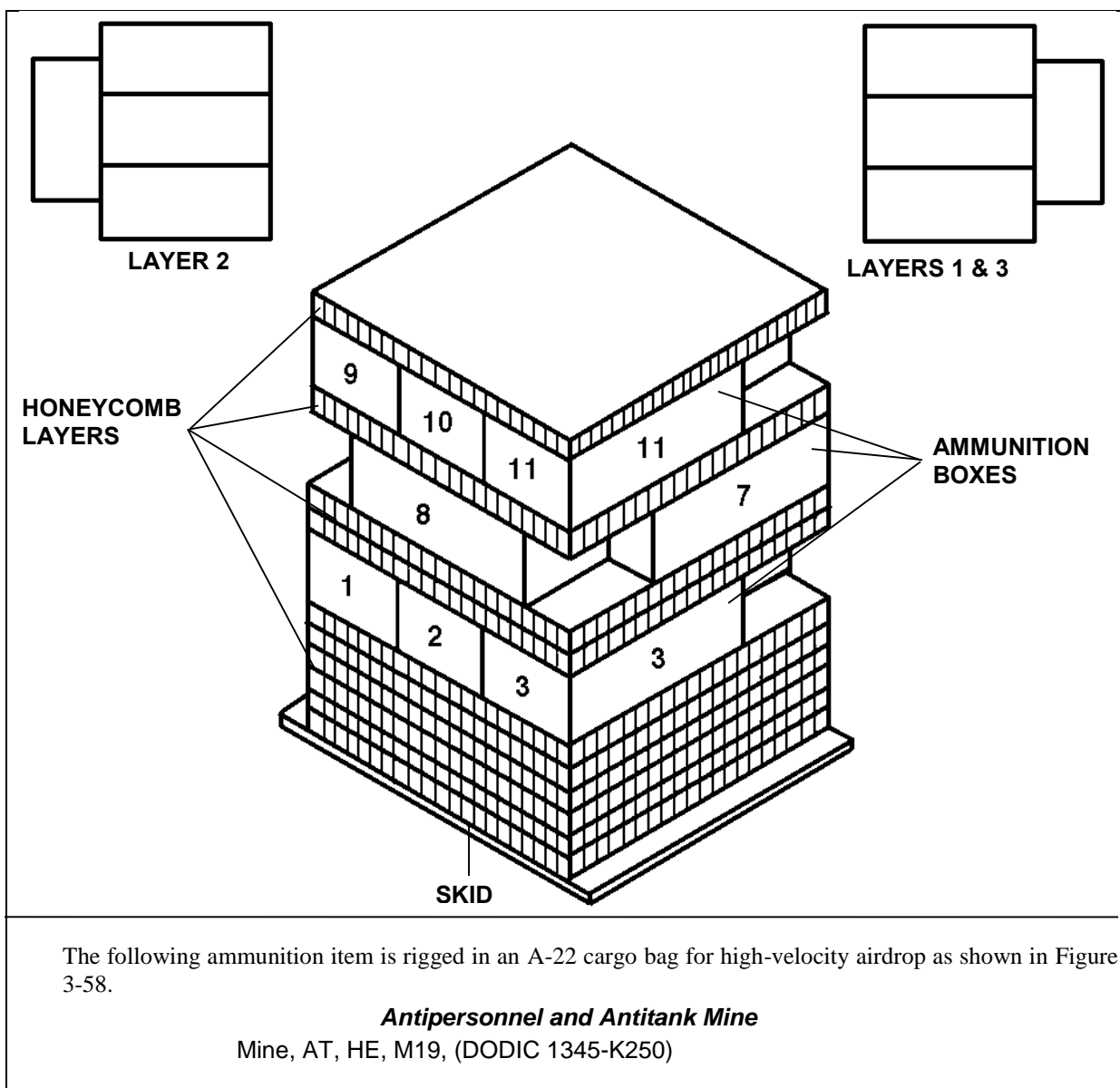


Figure 3-58. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

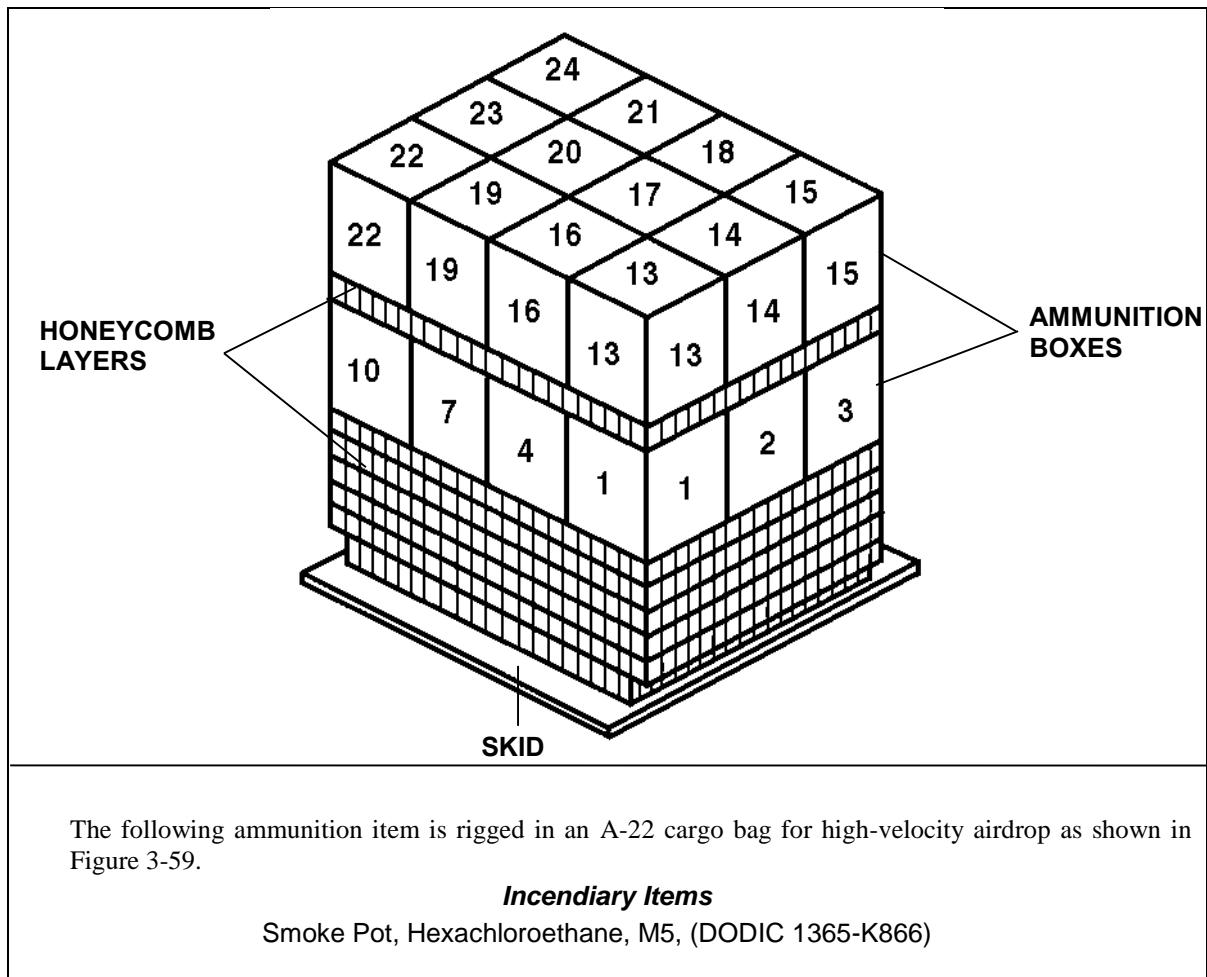
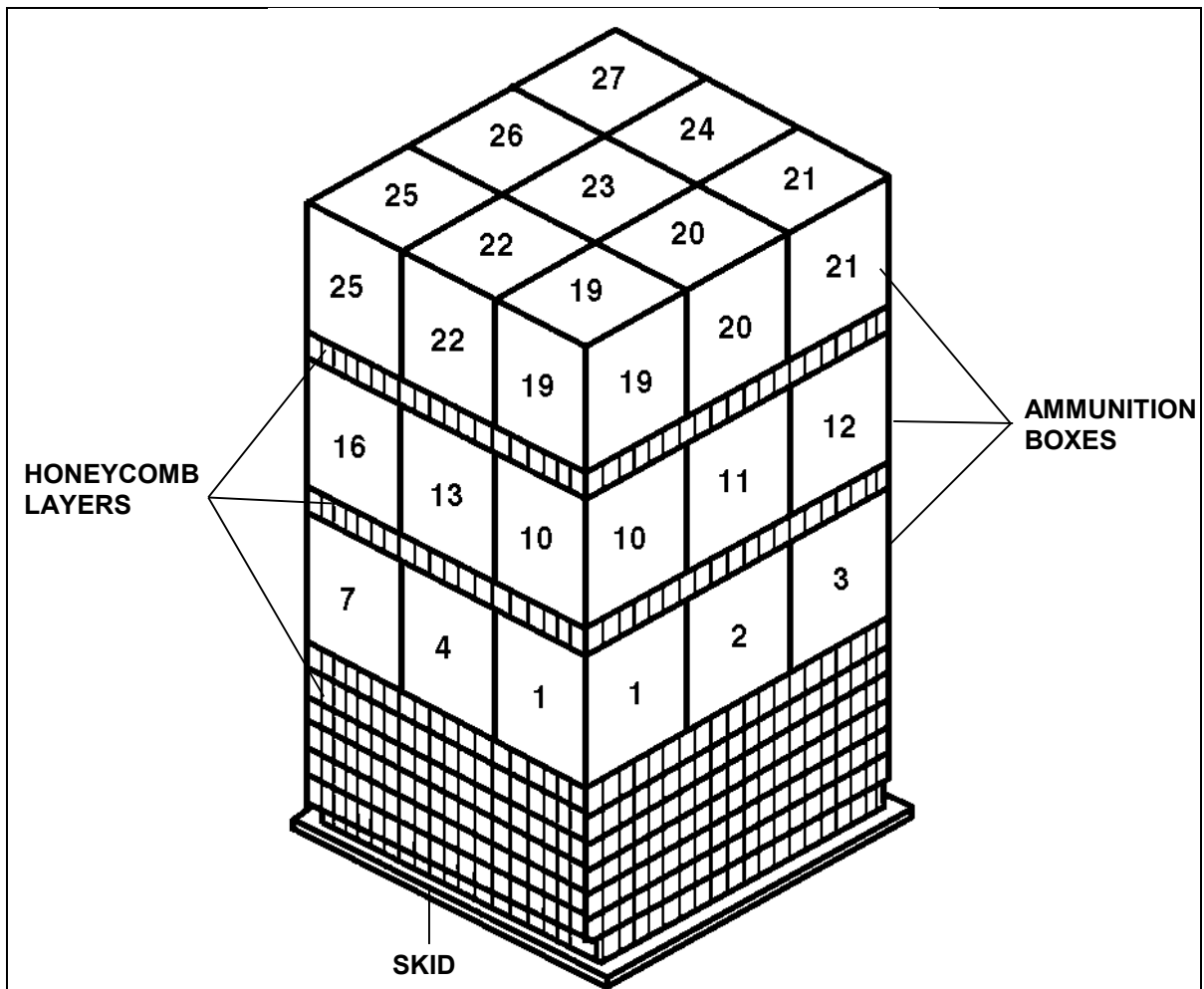


Figure 3-59. Ammunition layout in an A-22 cargo bag for high-velocity airdrop



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

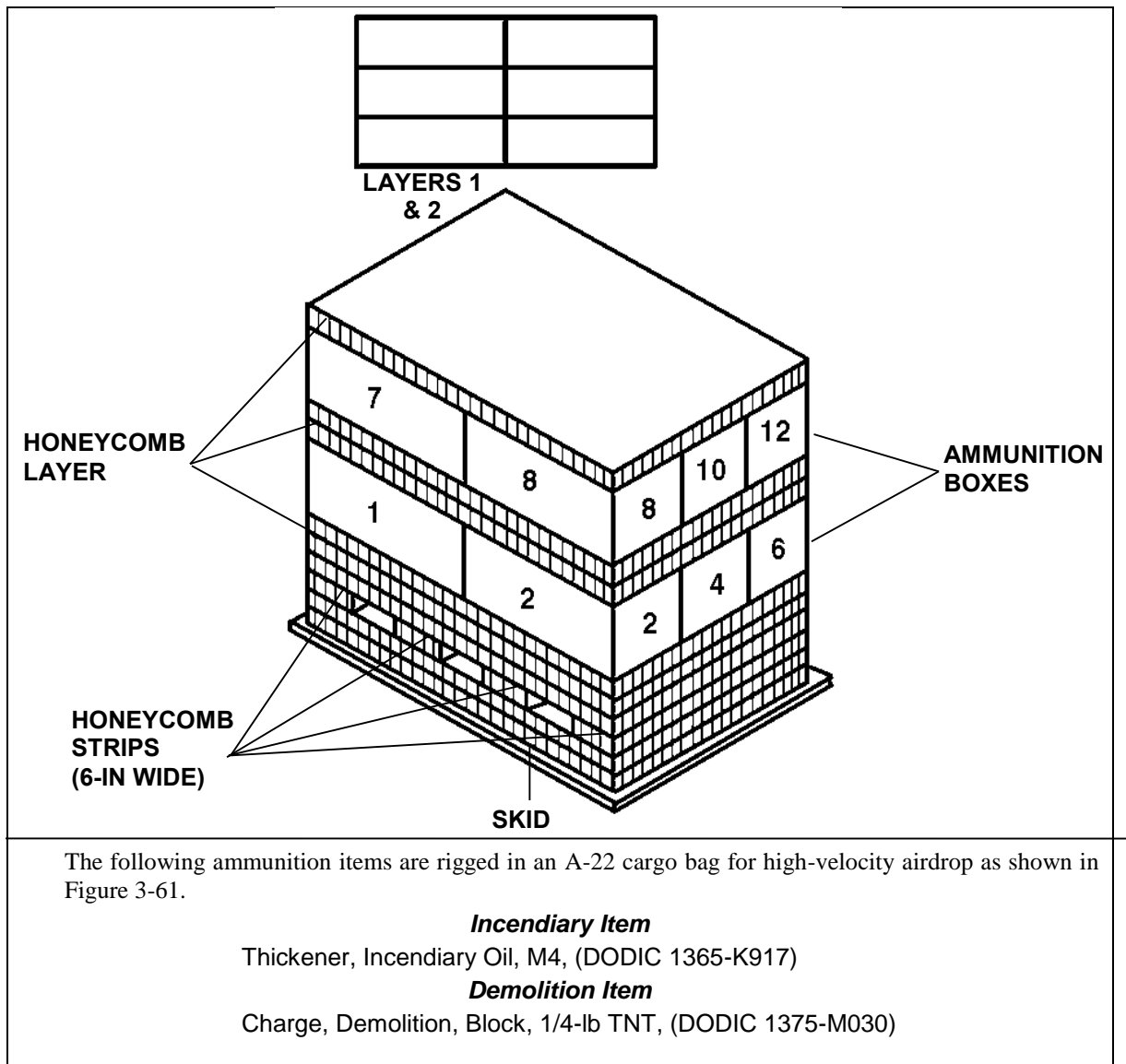


Figure 3-61. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

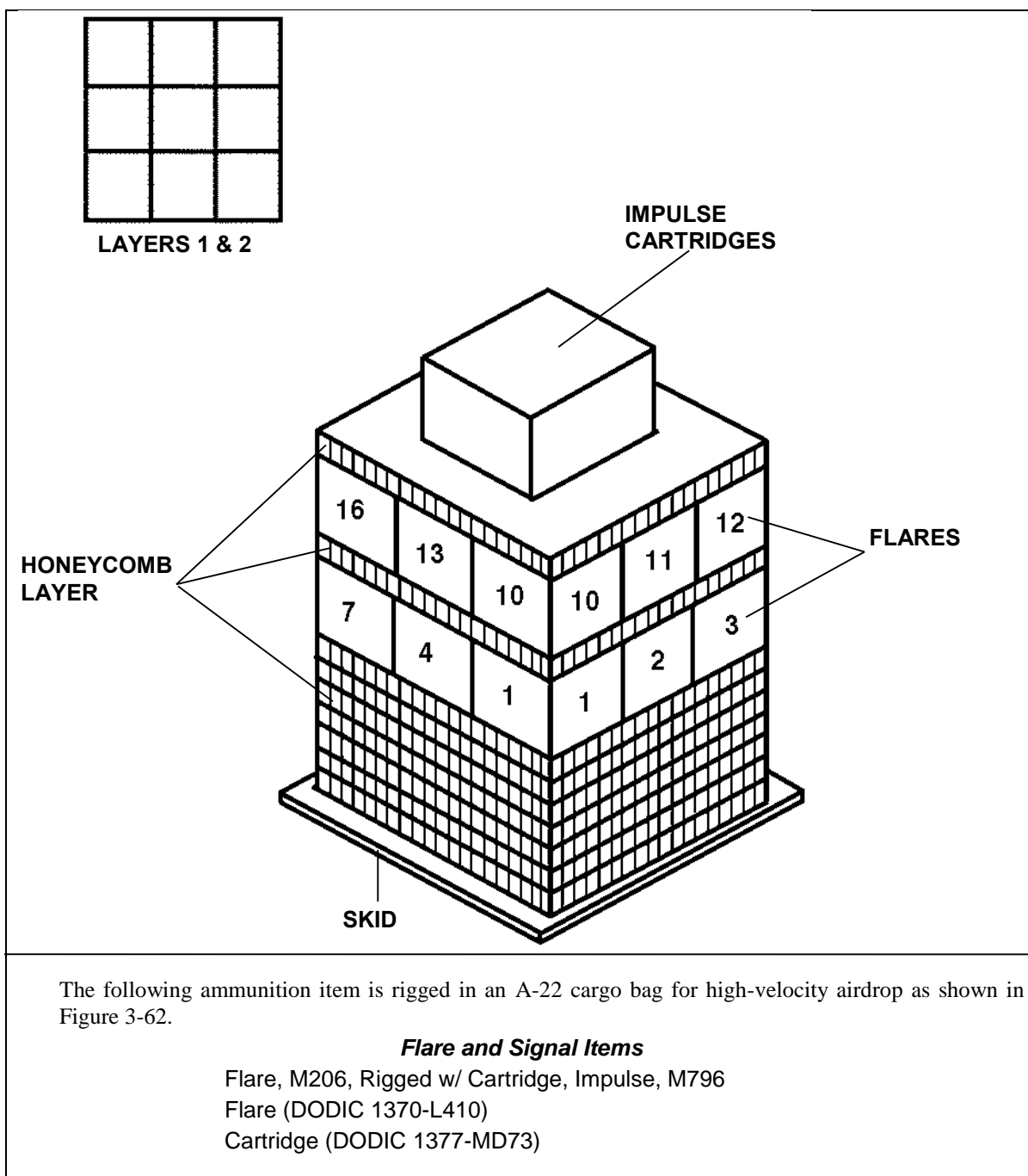


Figure 3-62. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

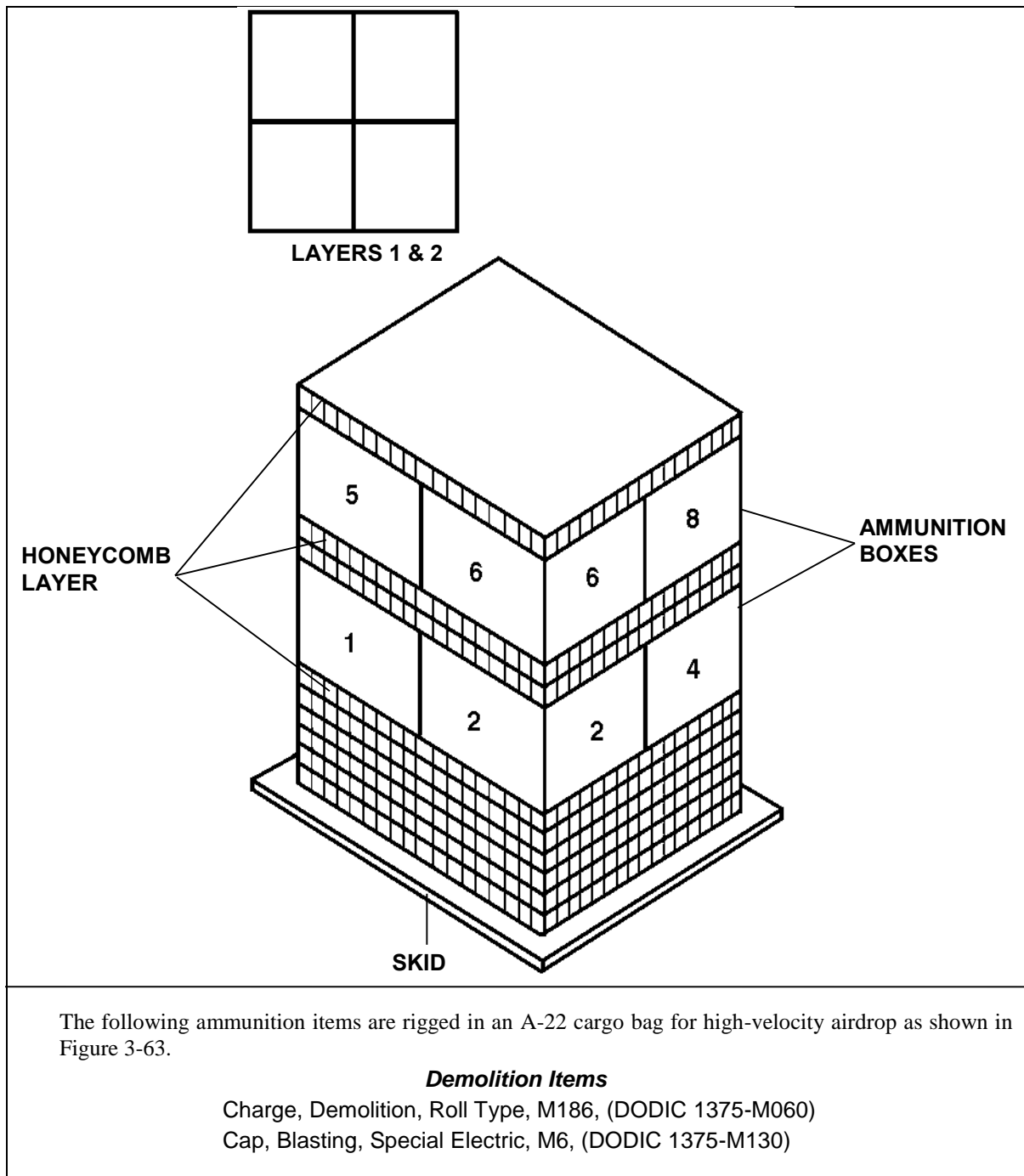


Figure 3-63. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

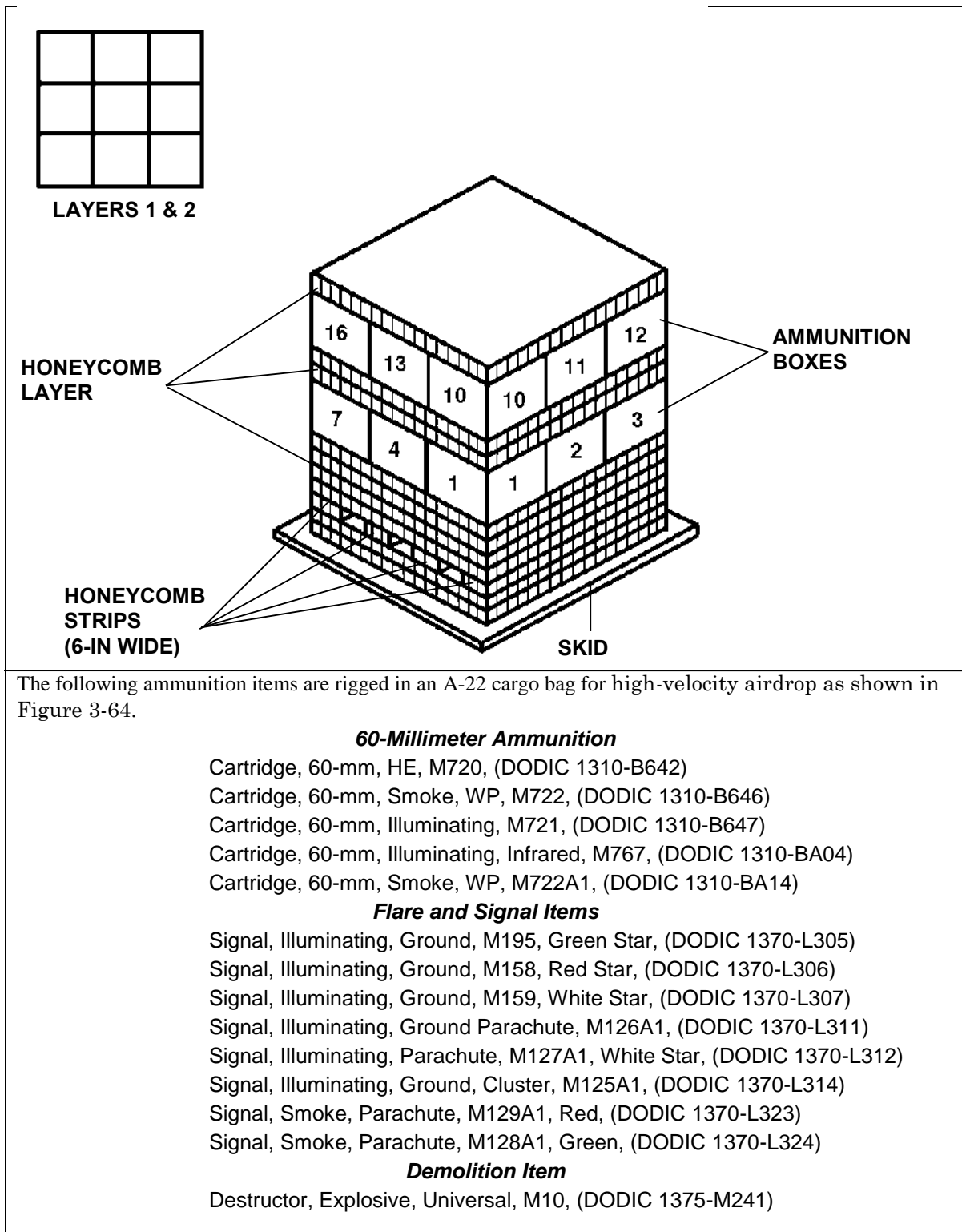


Figure 3-64. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

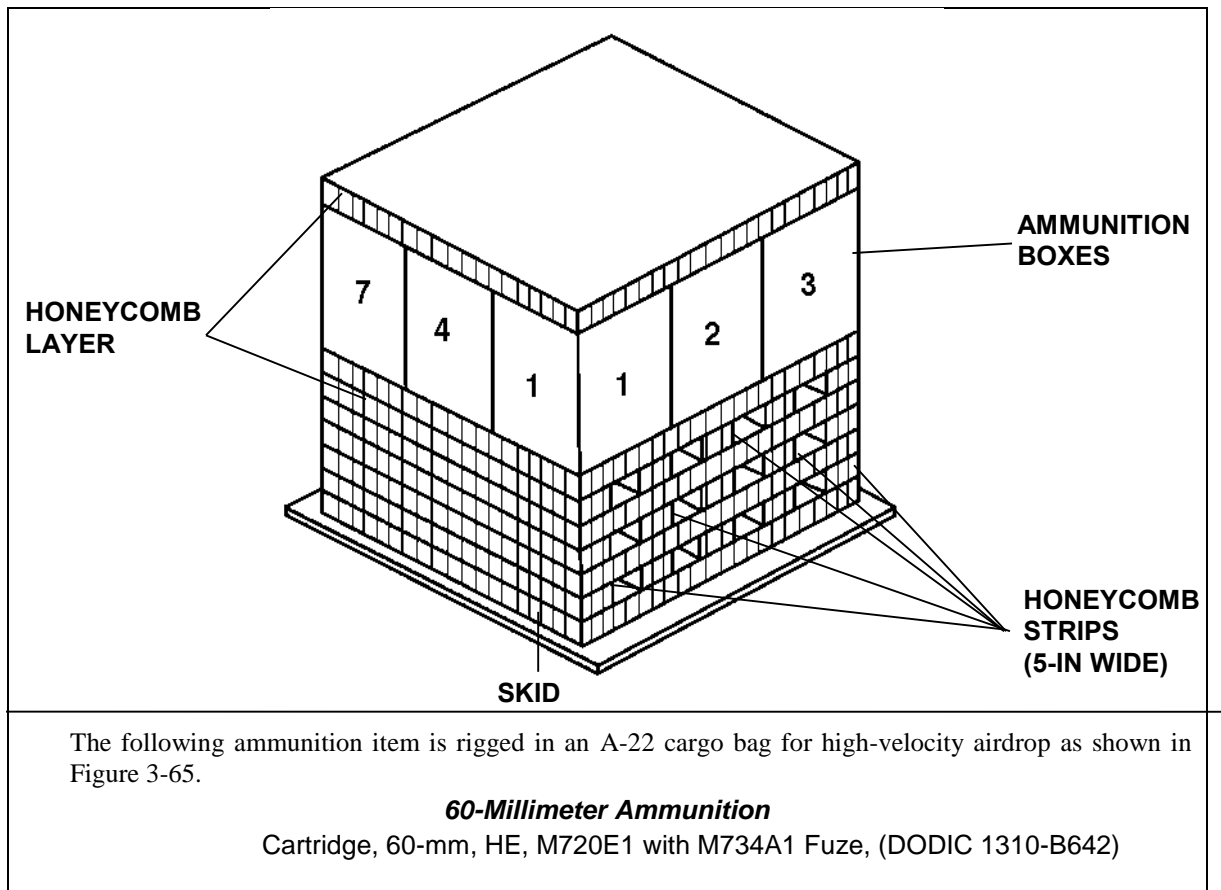


Figure 3-65. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

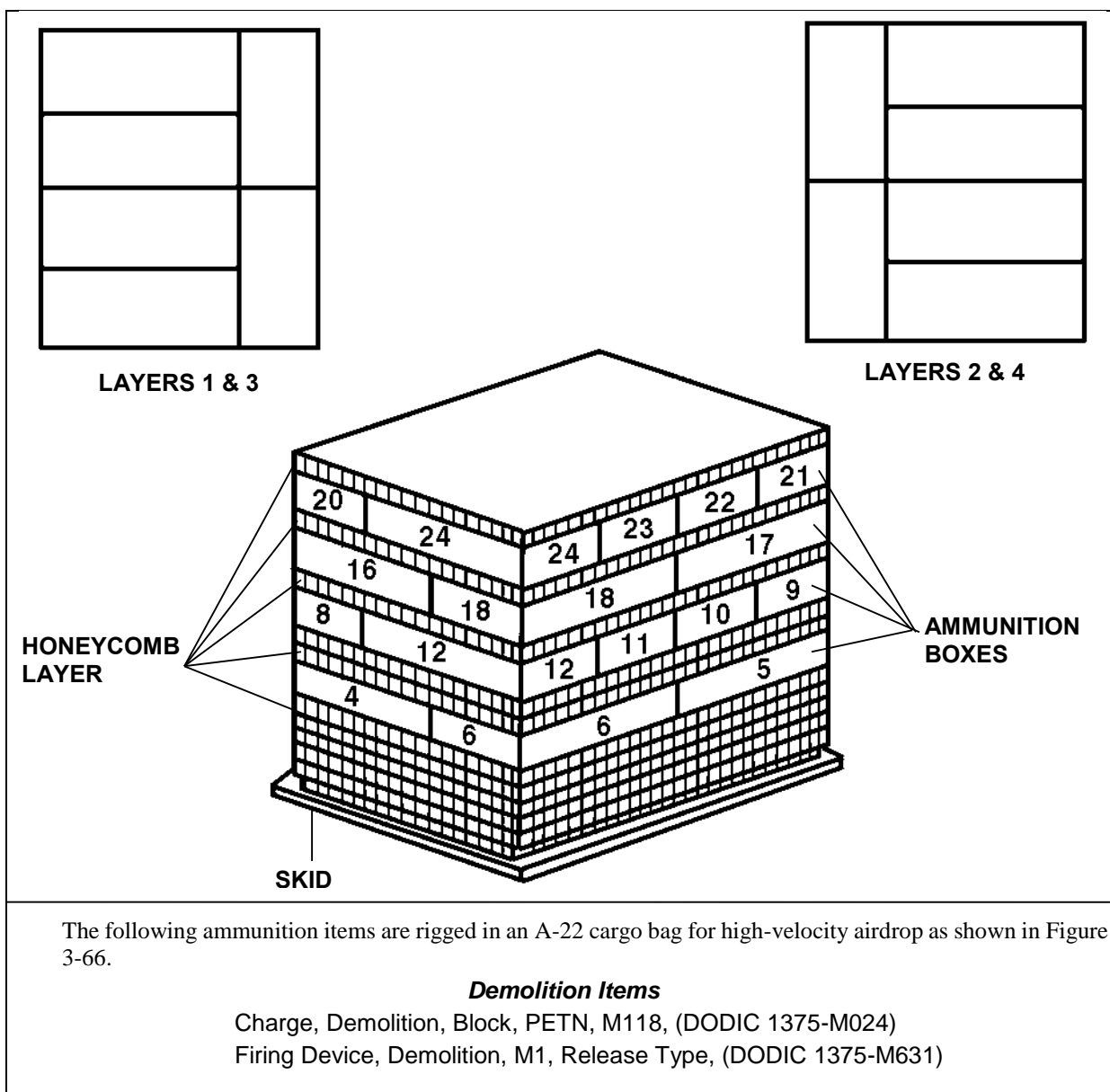


Figure 3-66. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

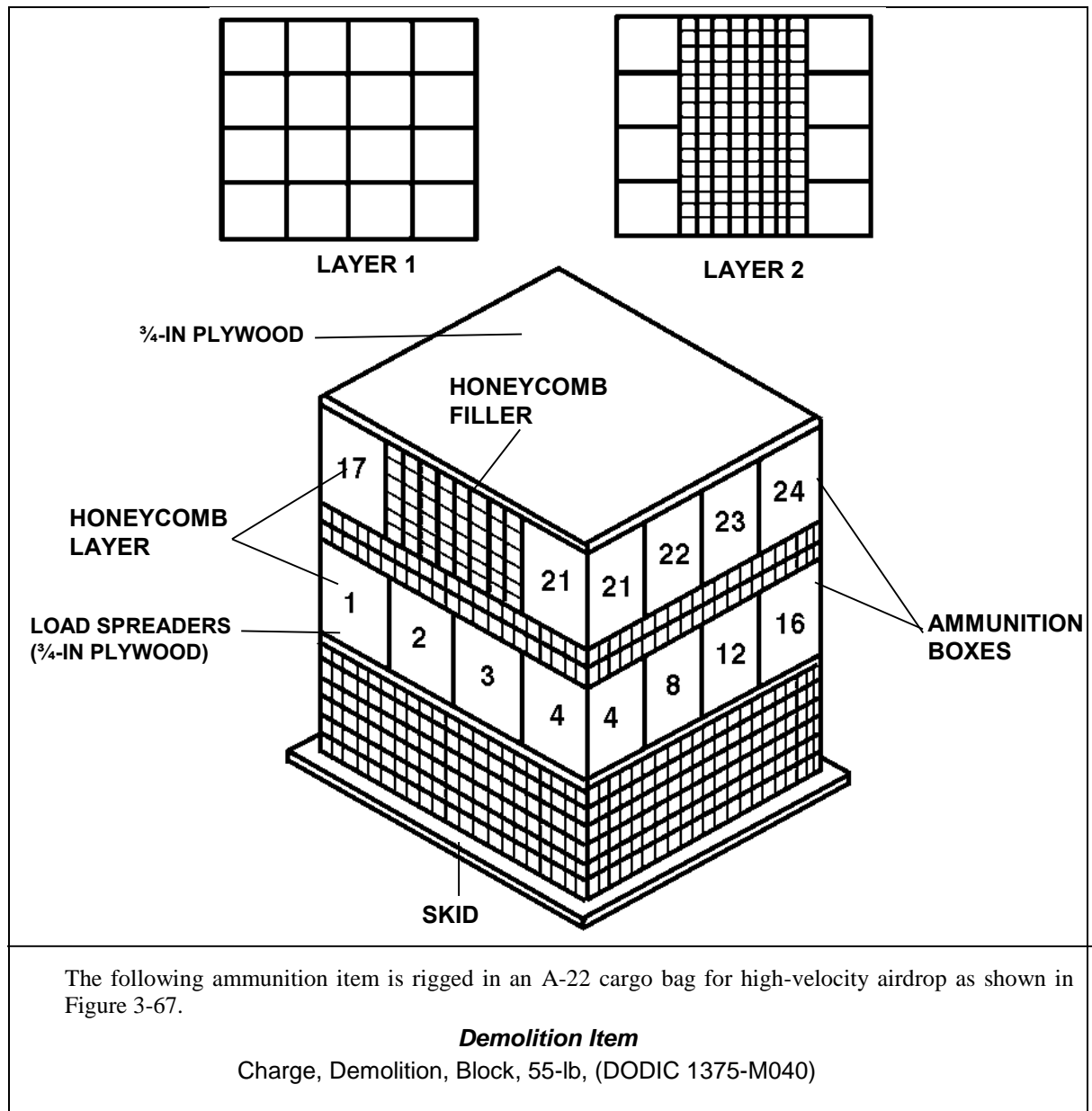


Figure 3-67. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

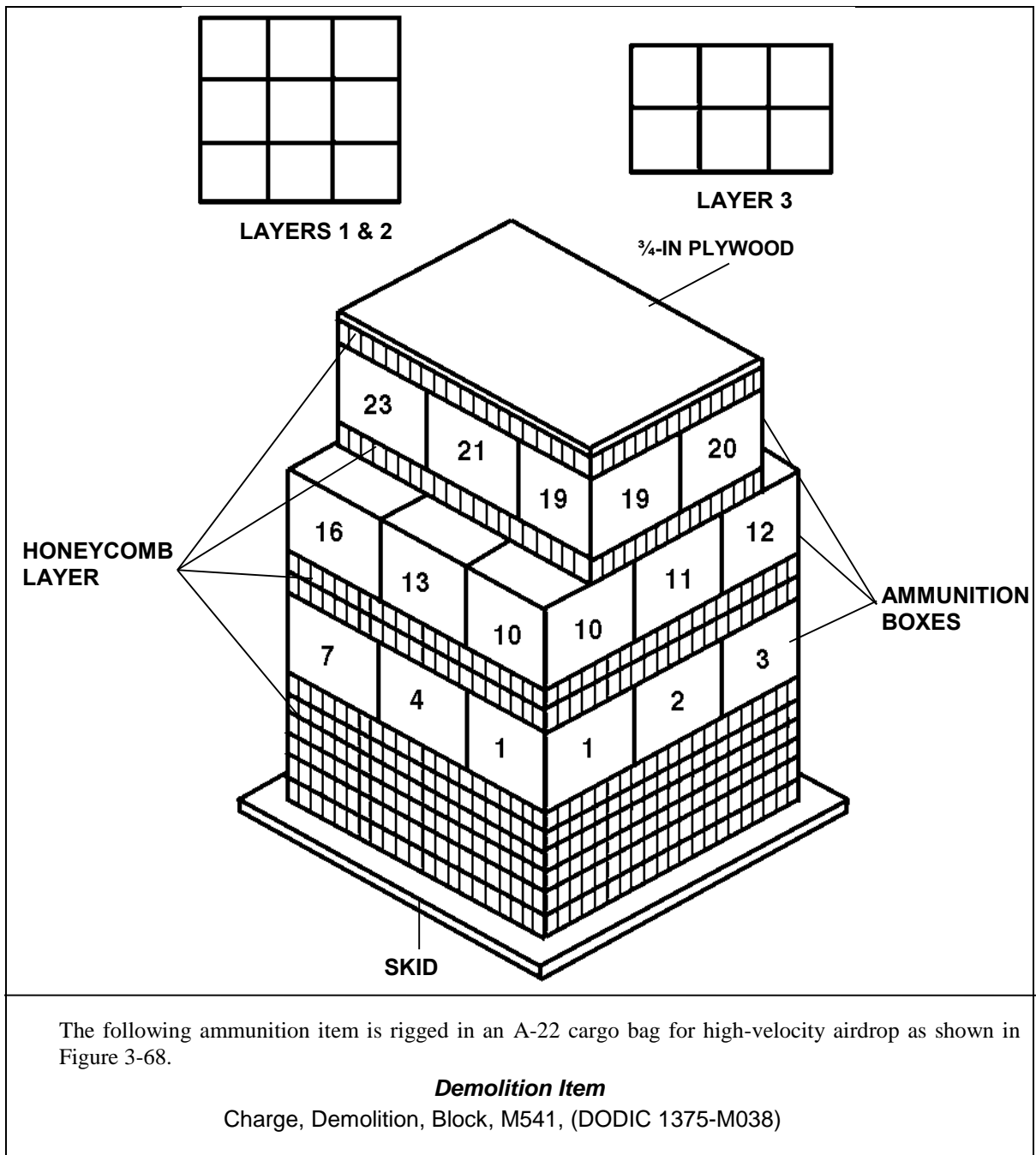


Figure 3-68. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

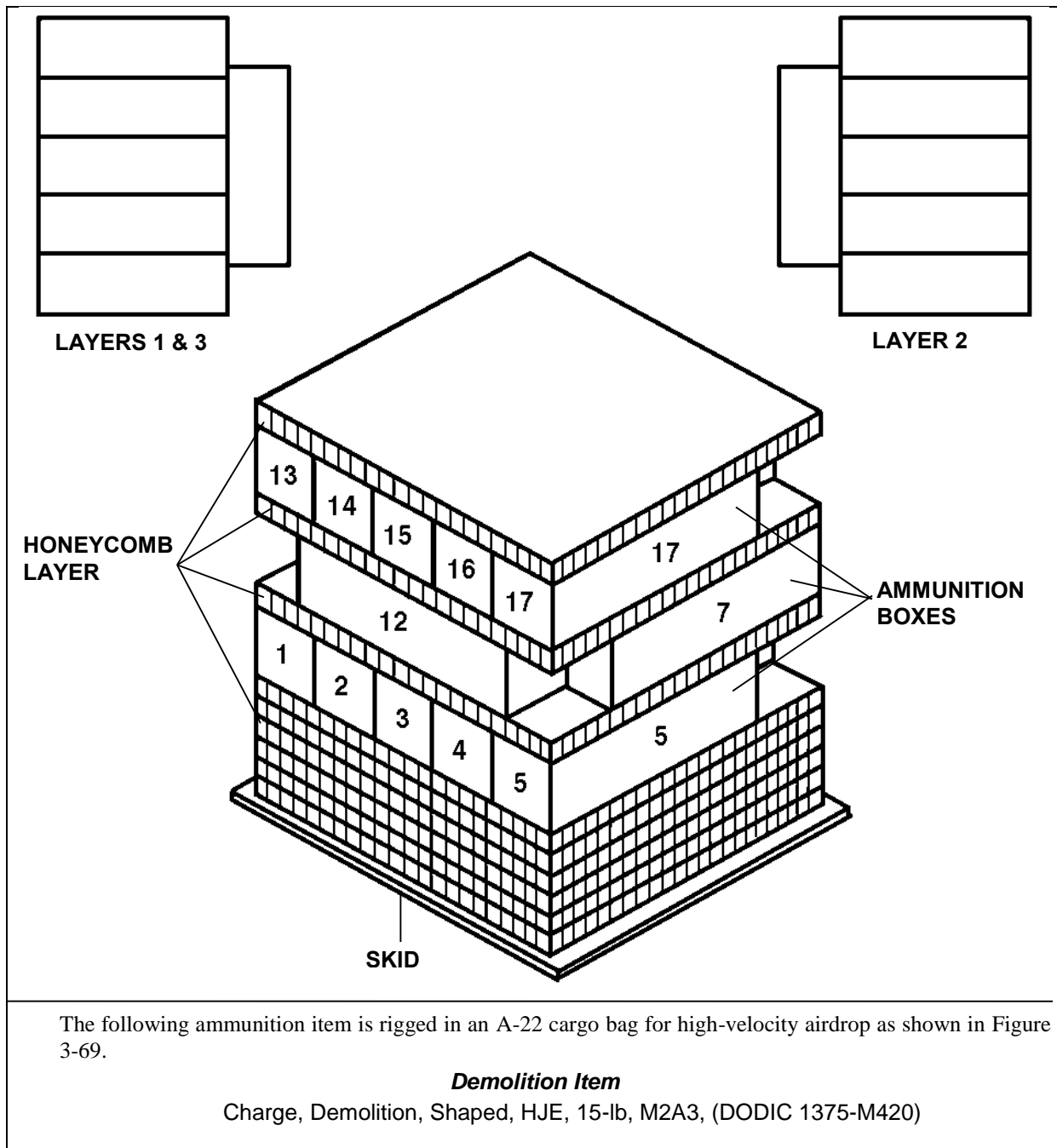


Figure 3-69. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

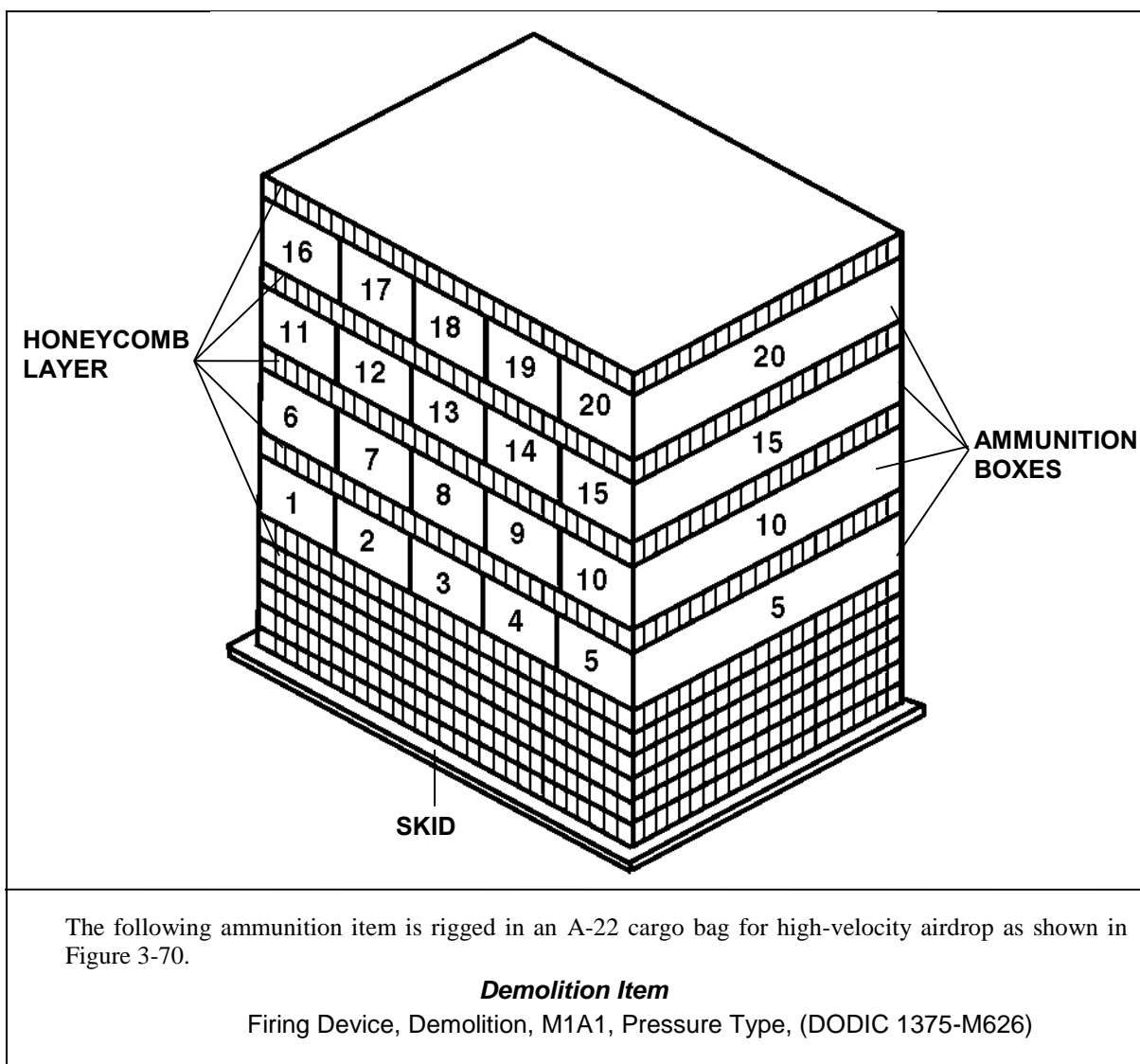


Figure 3-70. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

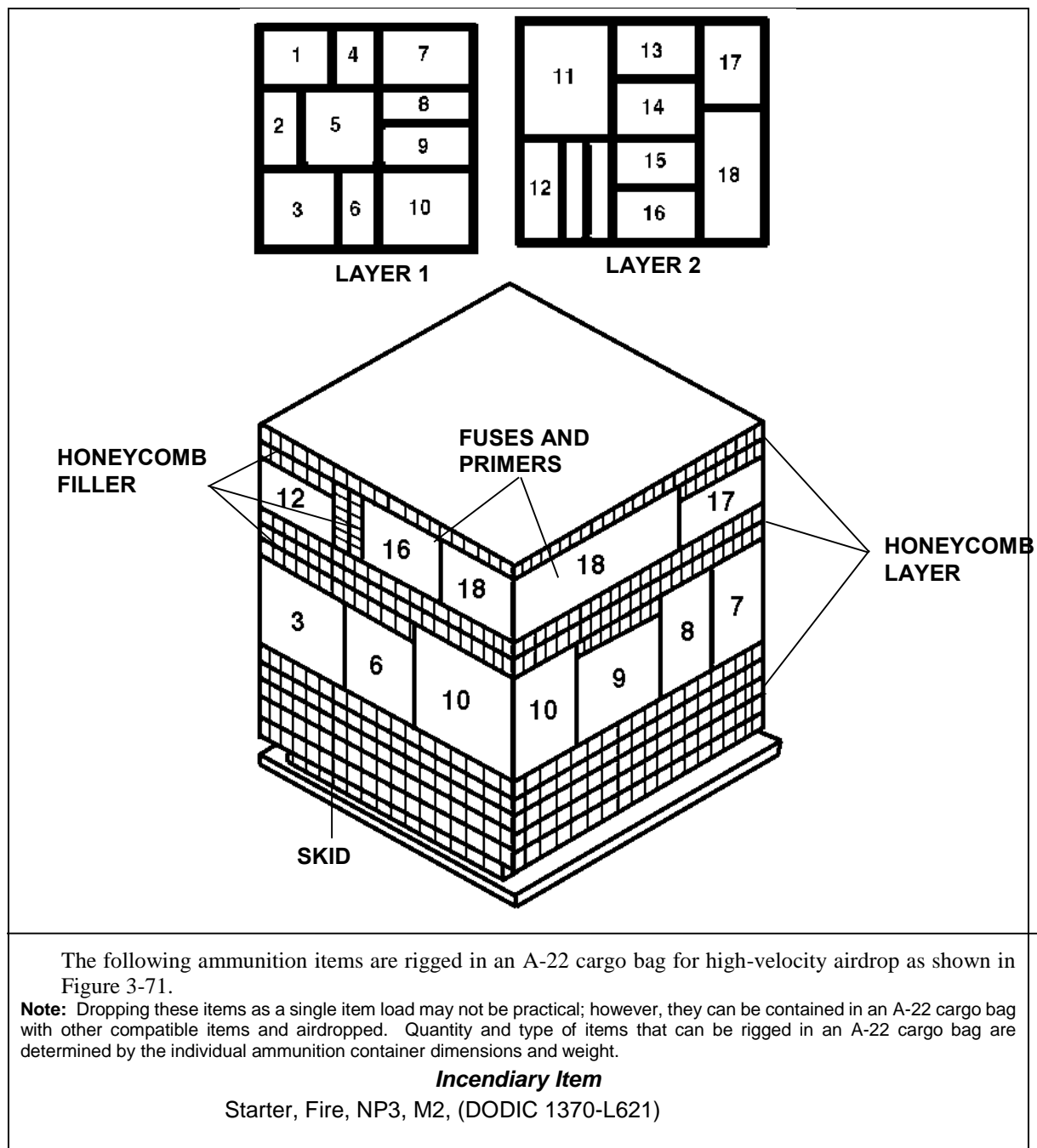


Figure 3-71. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

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 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

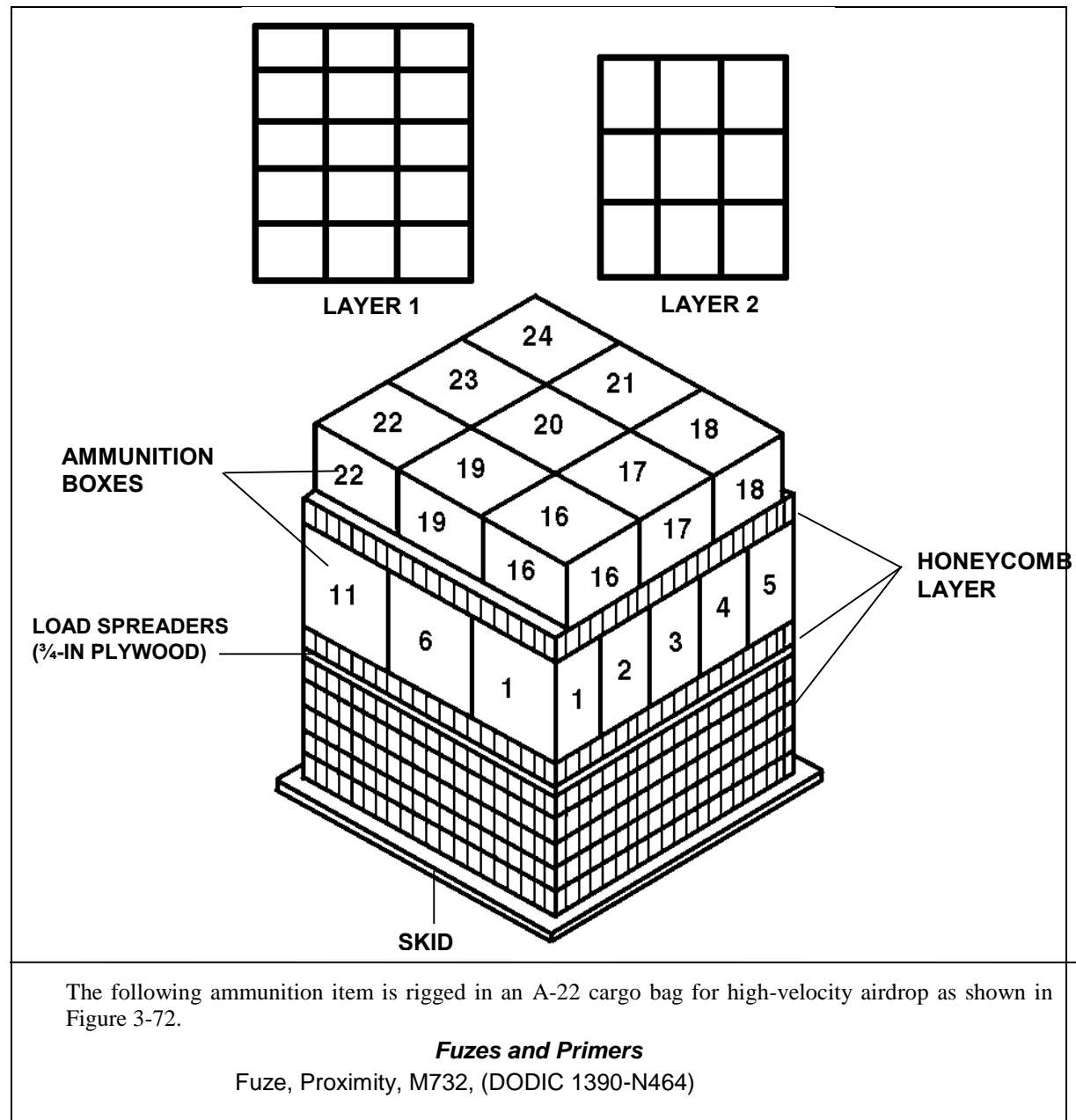


Figure 3-72. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

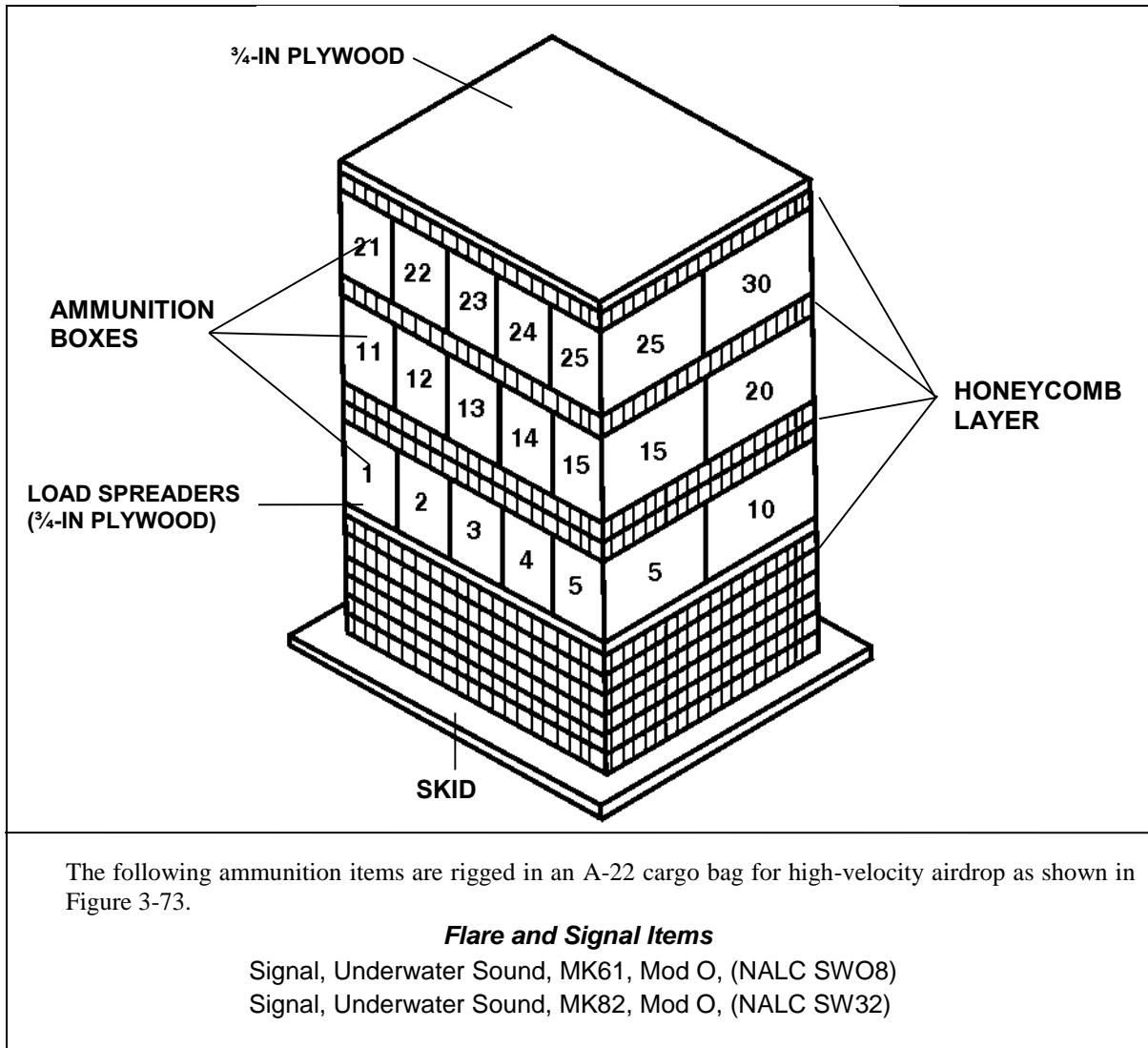


Figure 3-73. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

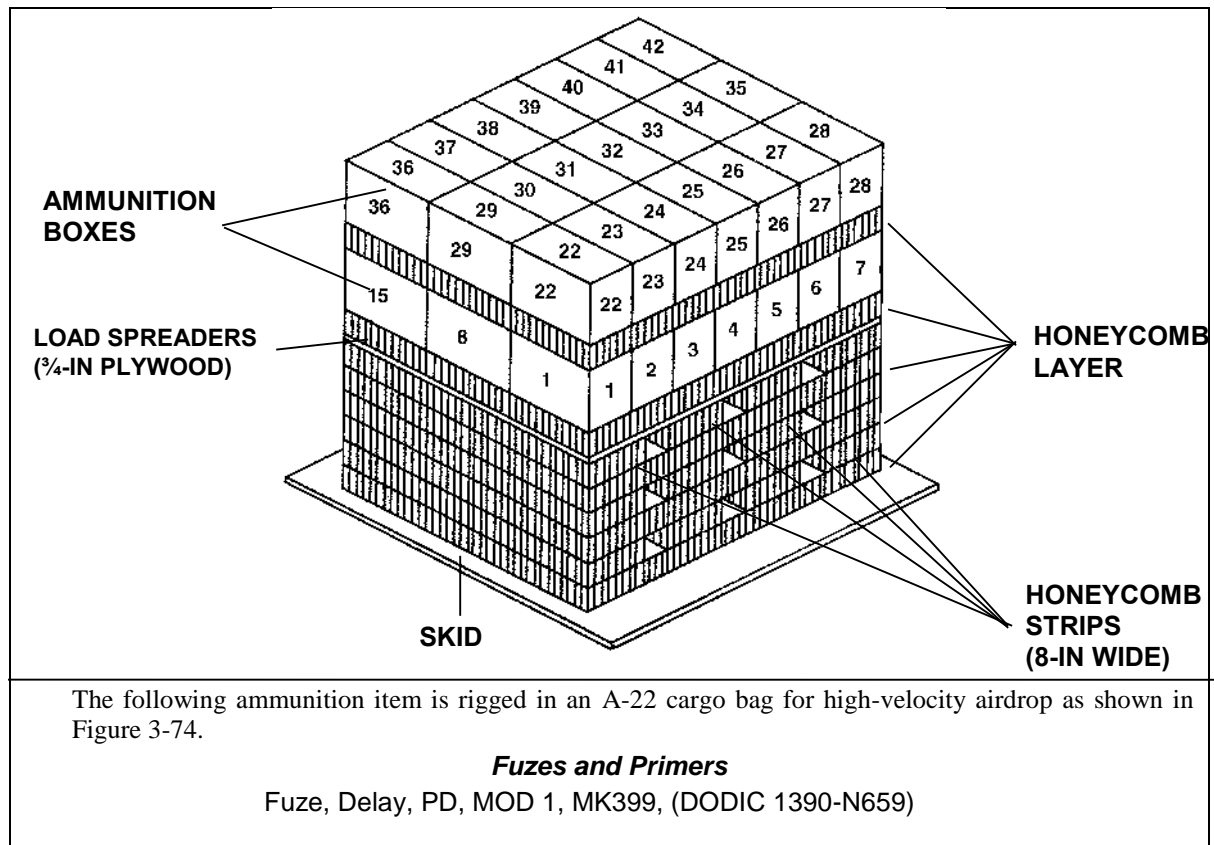


Figure 3-74. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

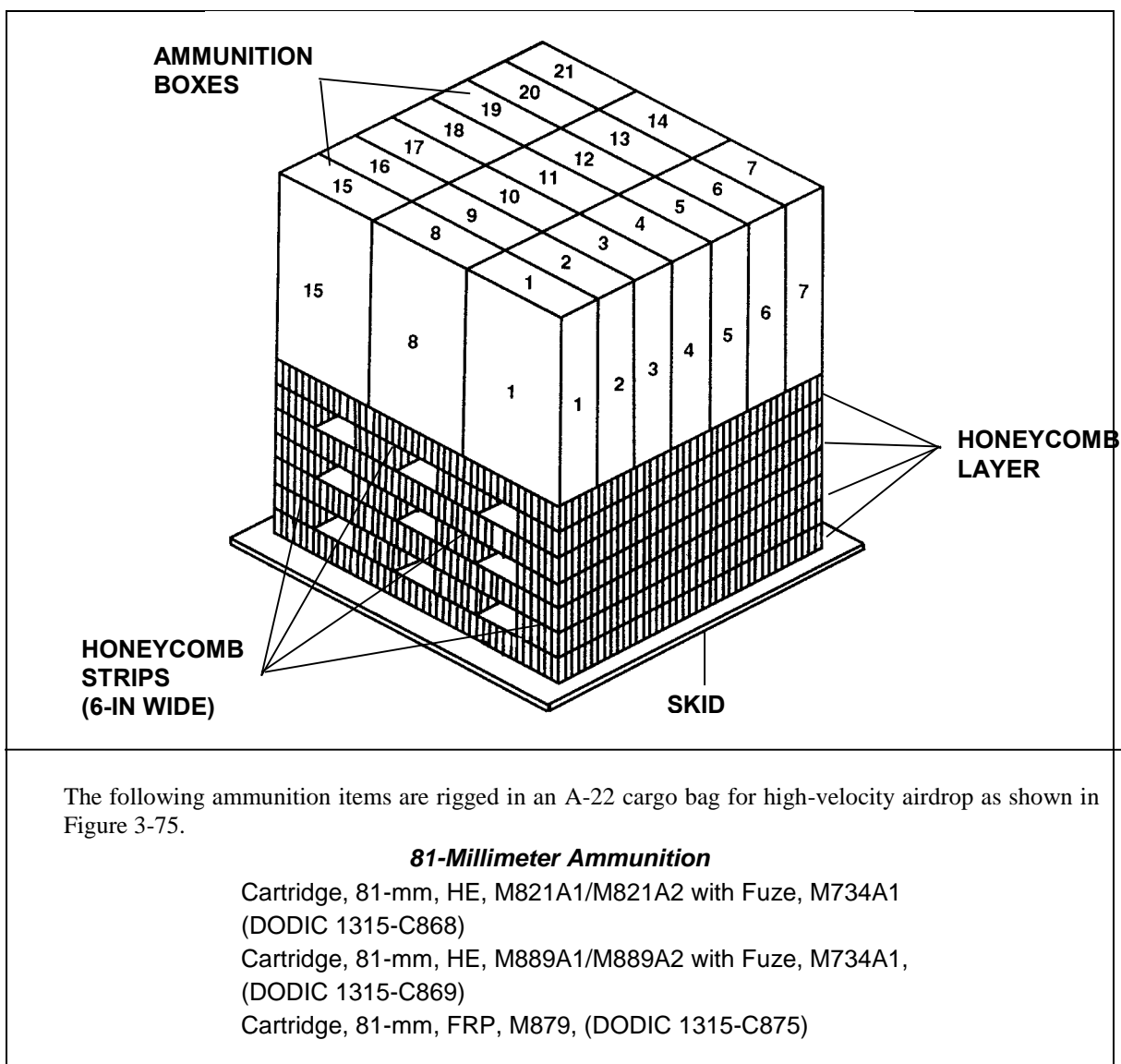


Figure 3-75. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

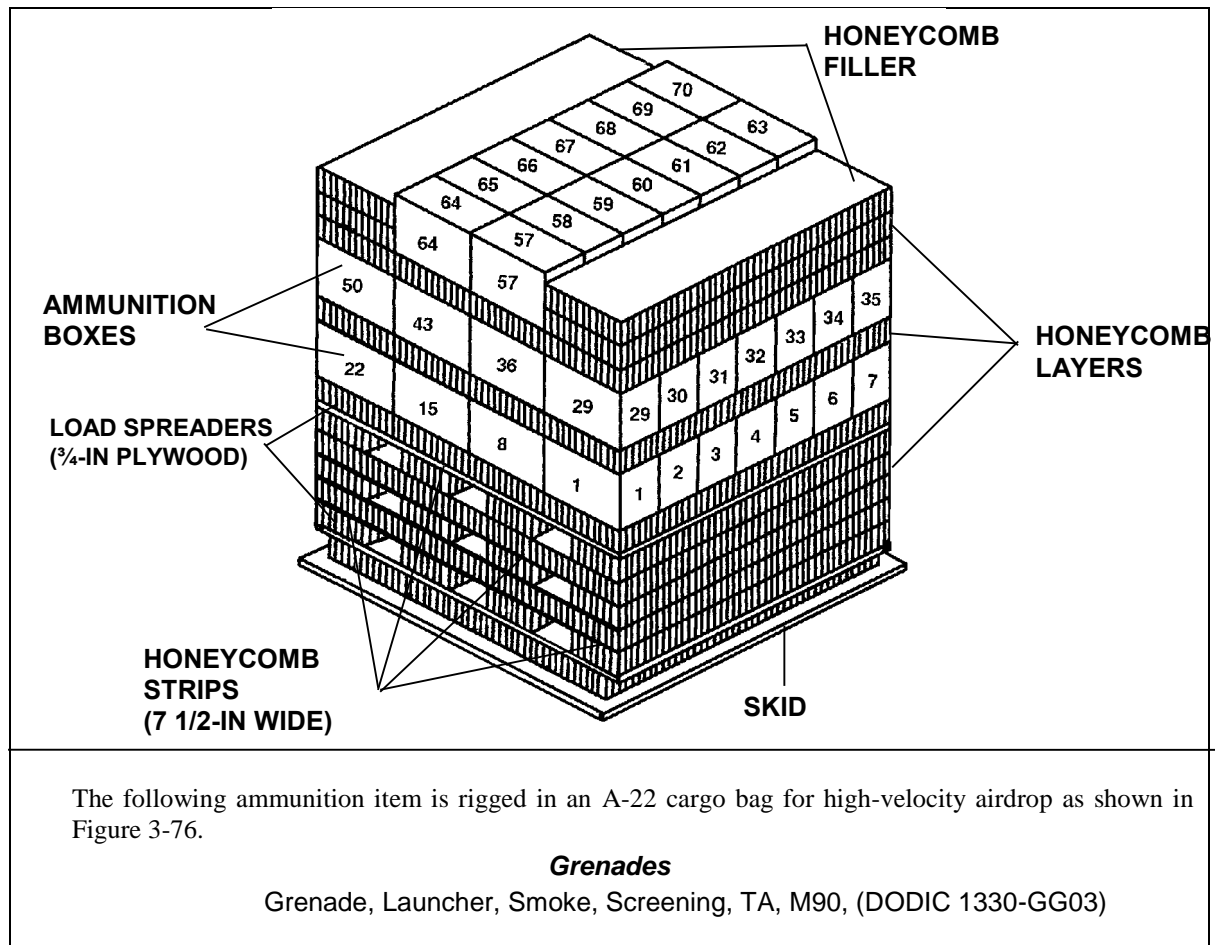


Figure 3-76. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

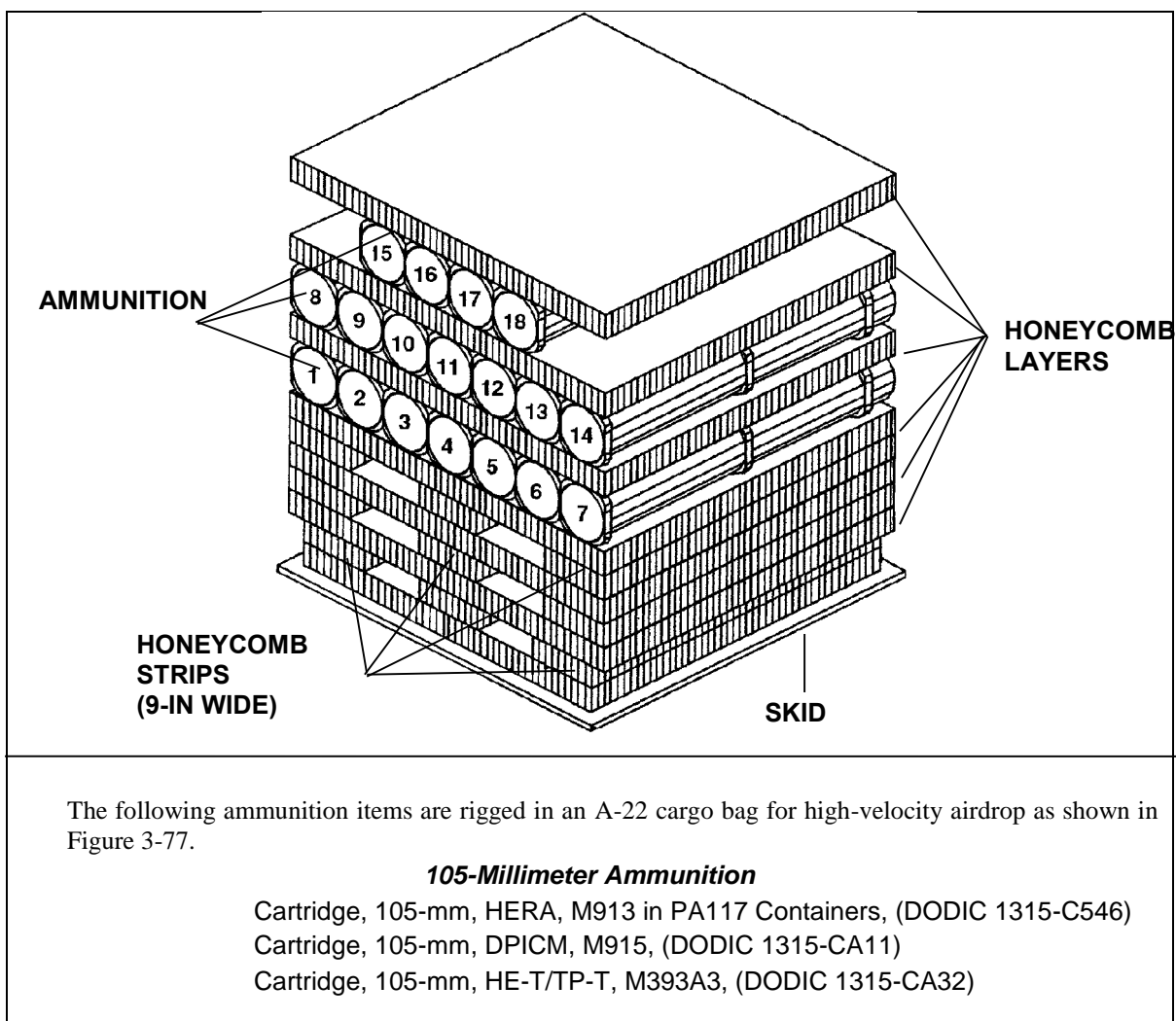
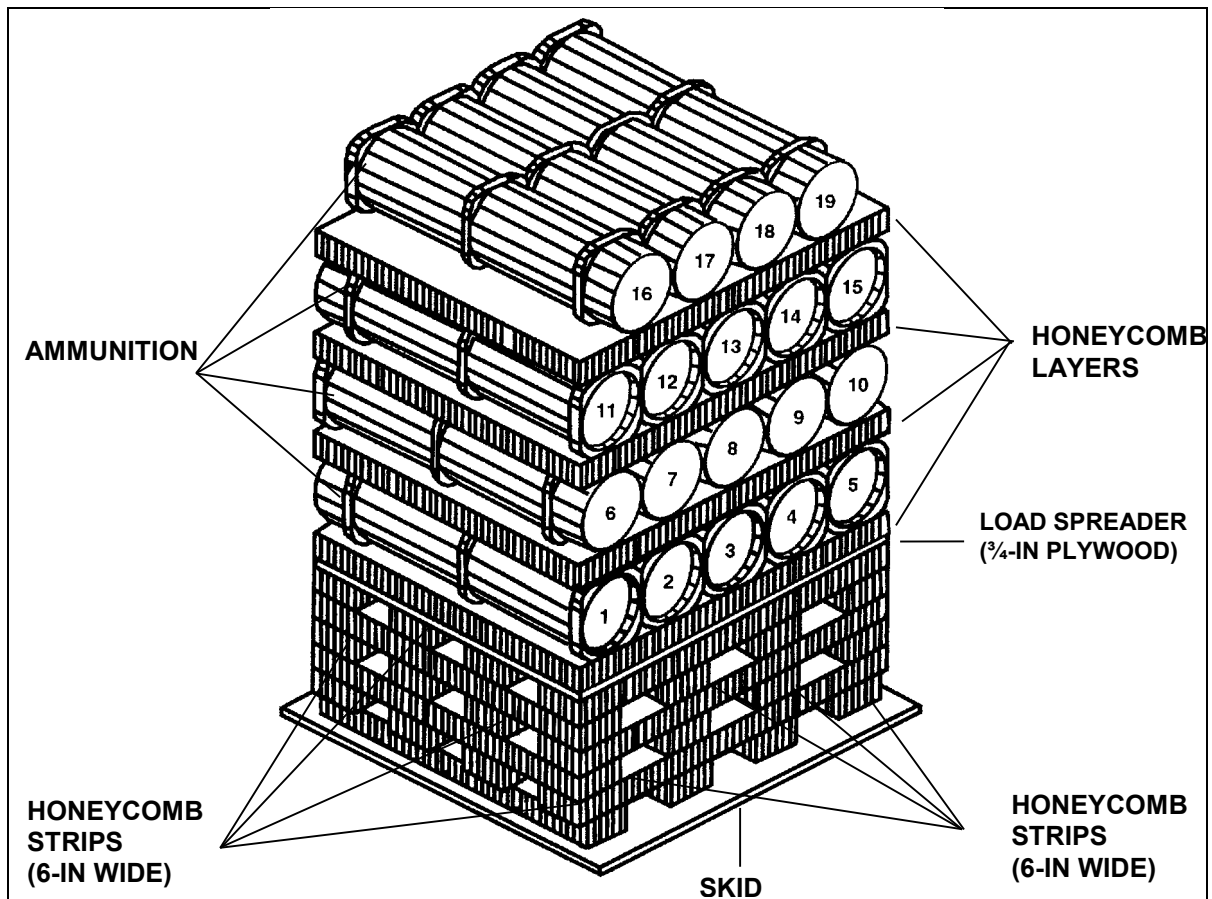


Figure 3-77. Ammunition layout in an A-22 cargo bag for high-velocity airdrop



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

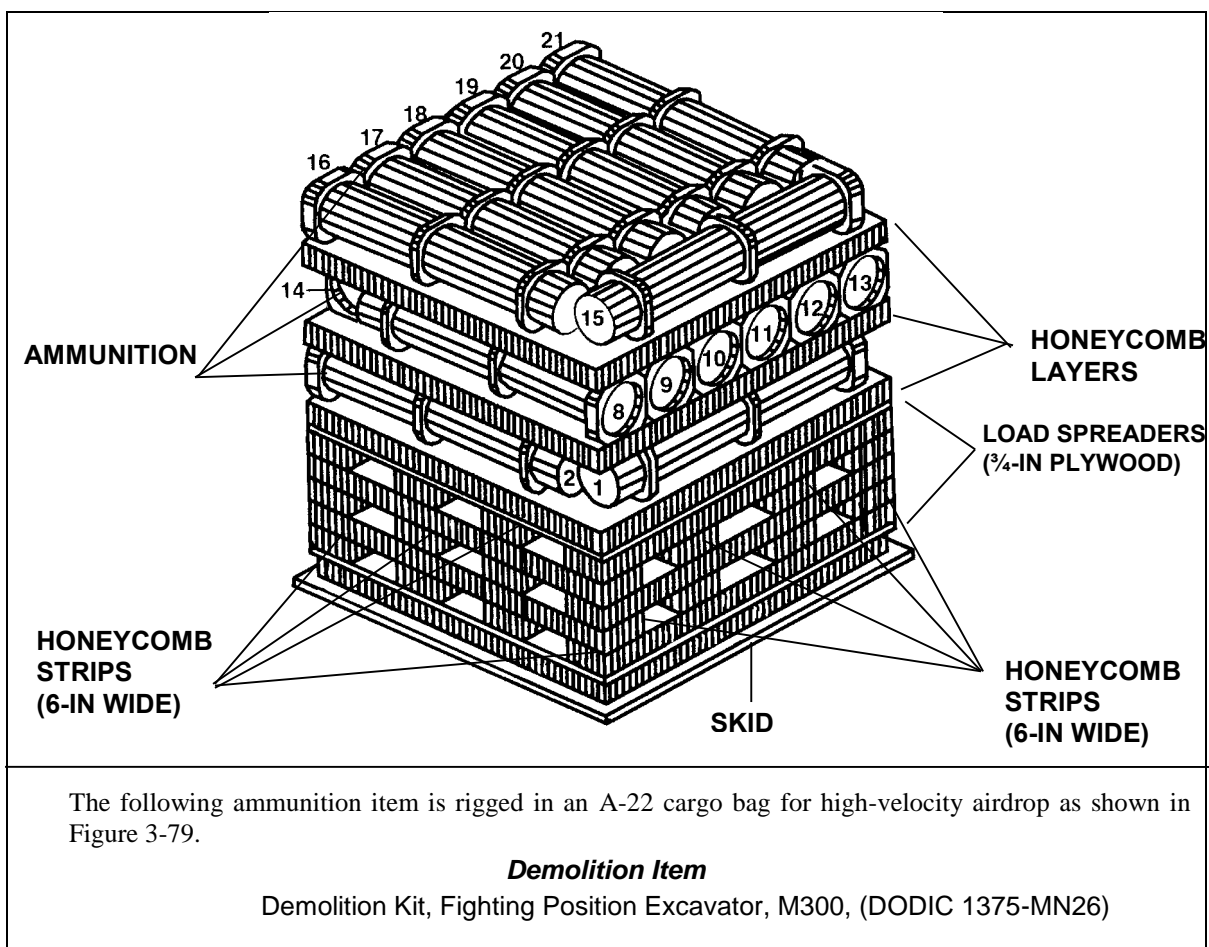


Figure 3-79. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

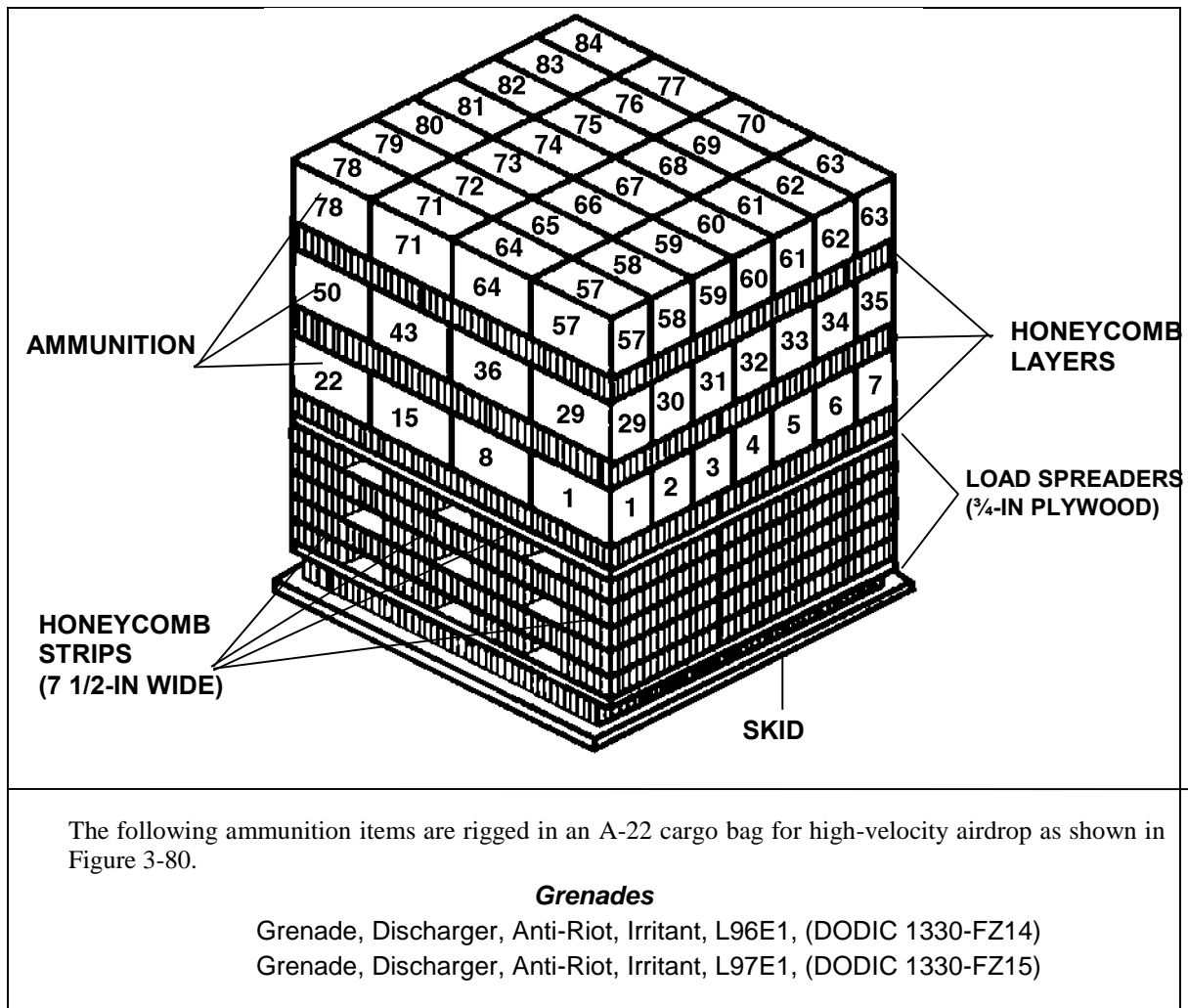


Figure 3-80. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

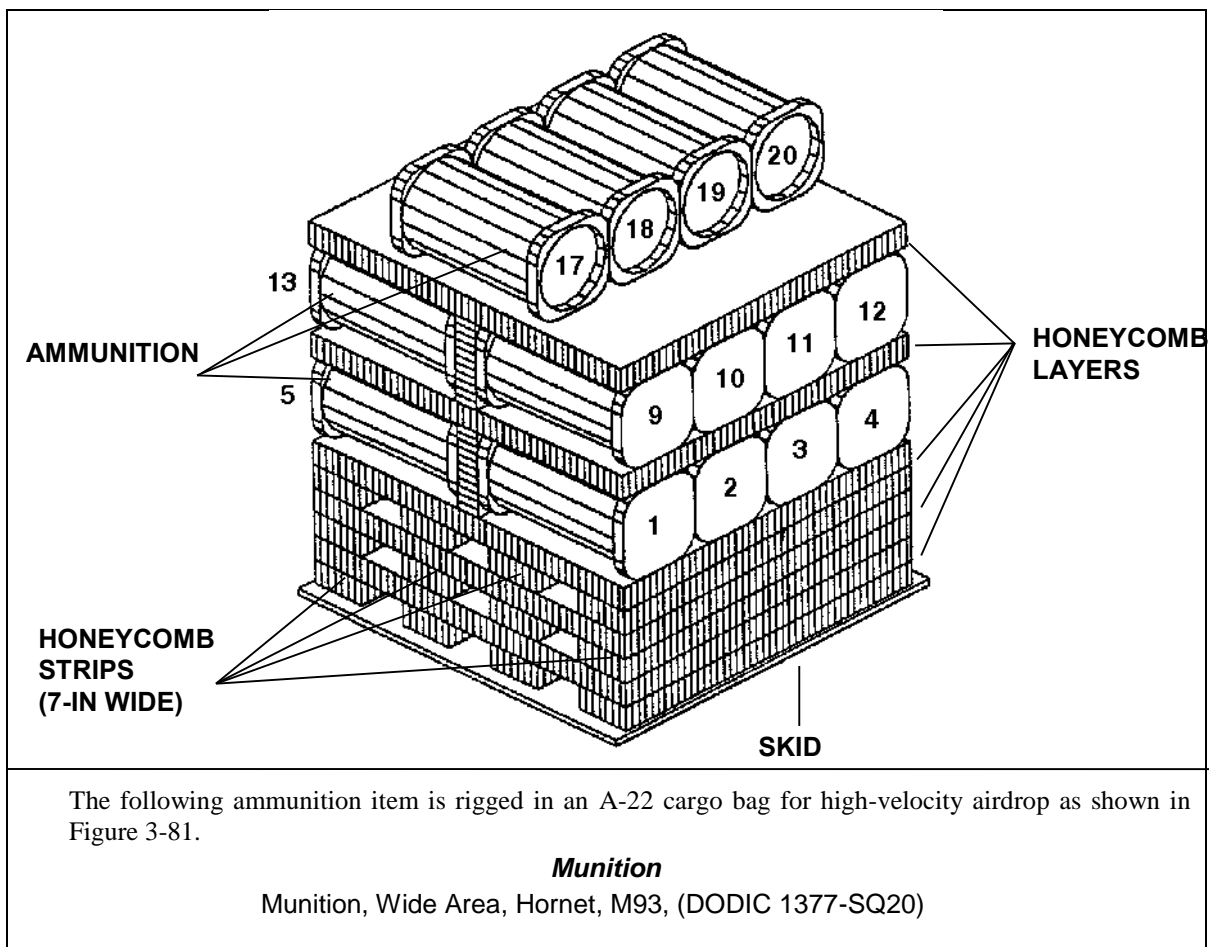


Figure 3-81. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

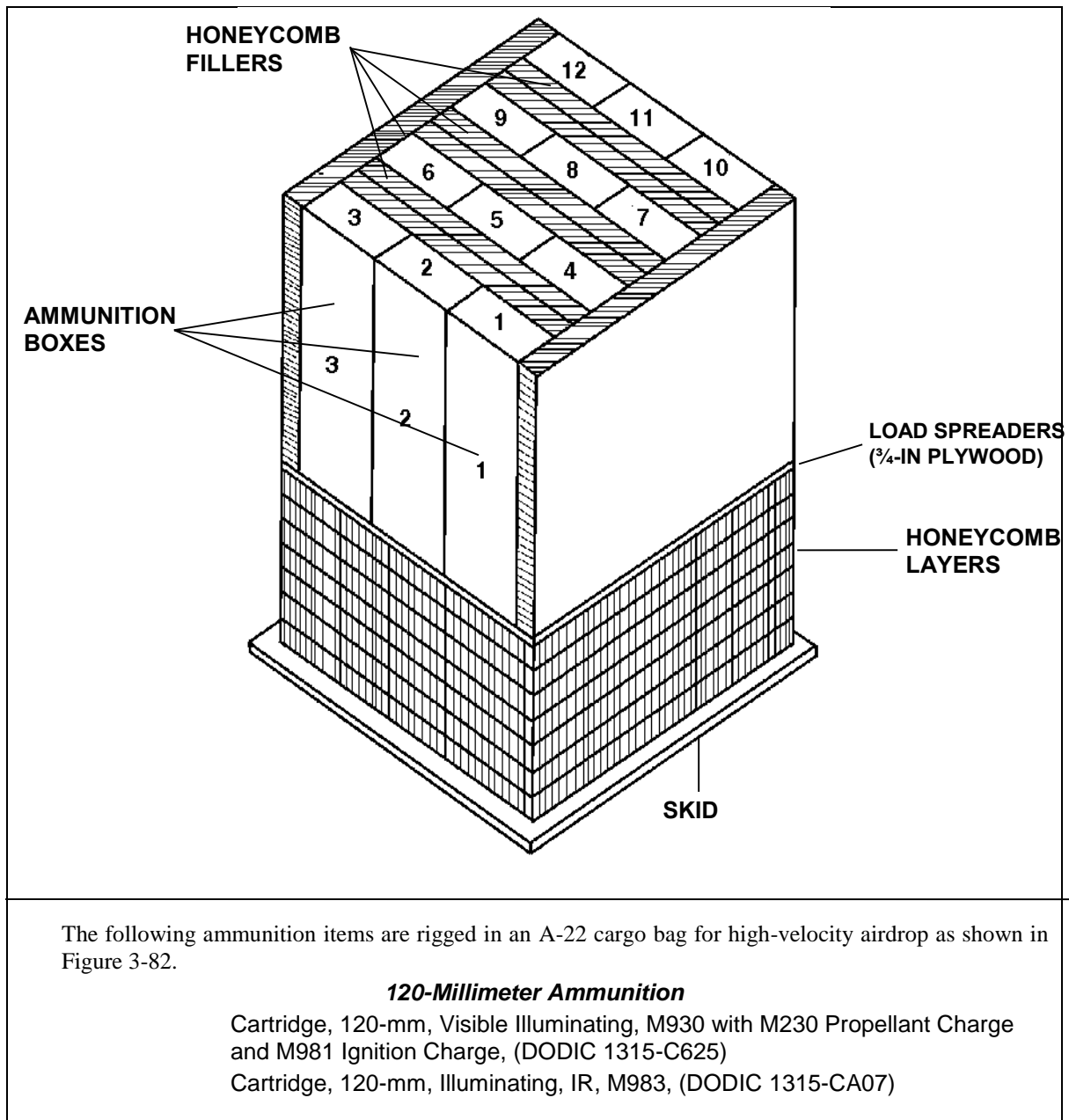


Figure 3-82. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

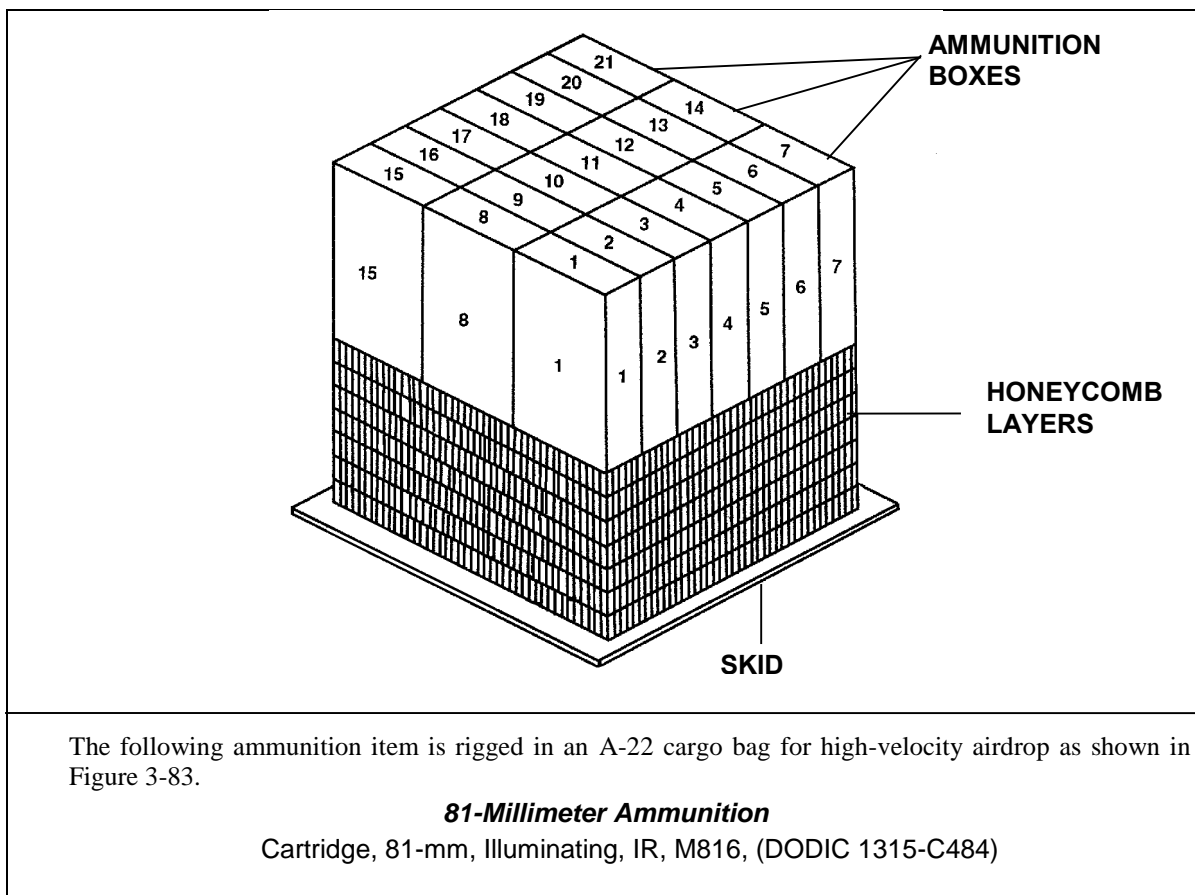


Figure 3-83. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

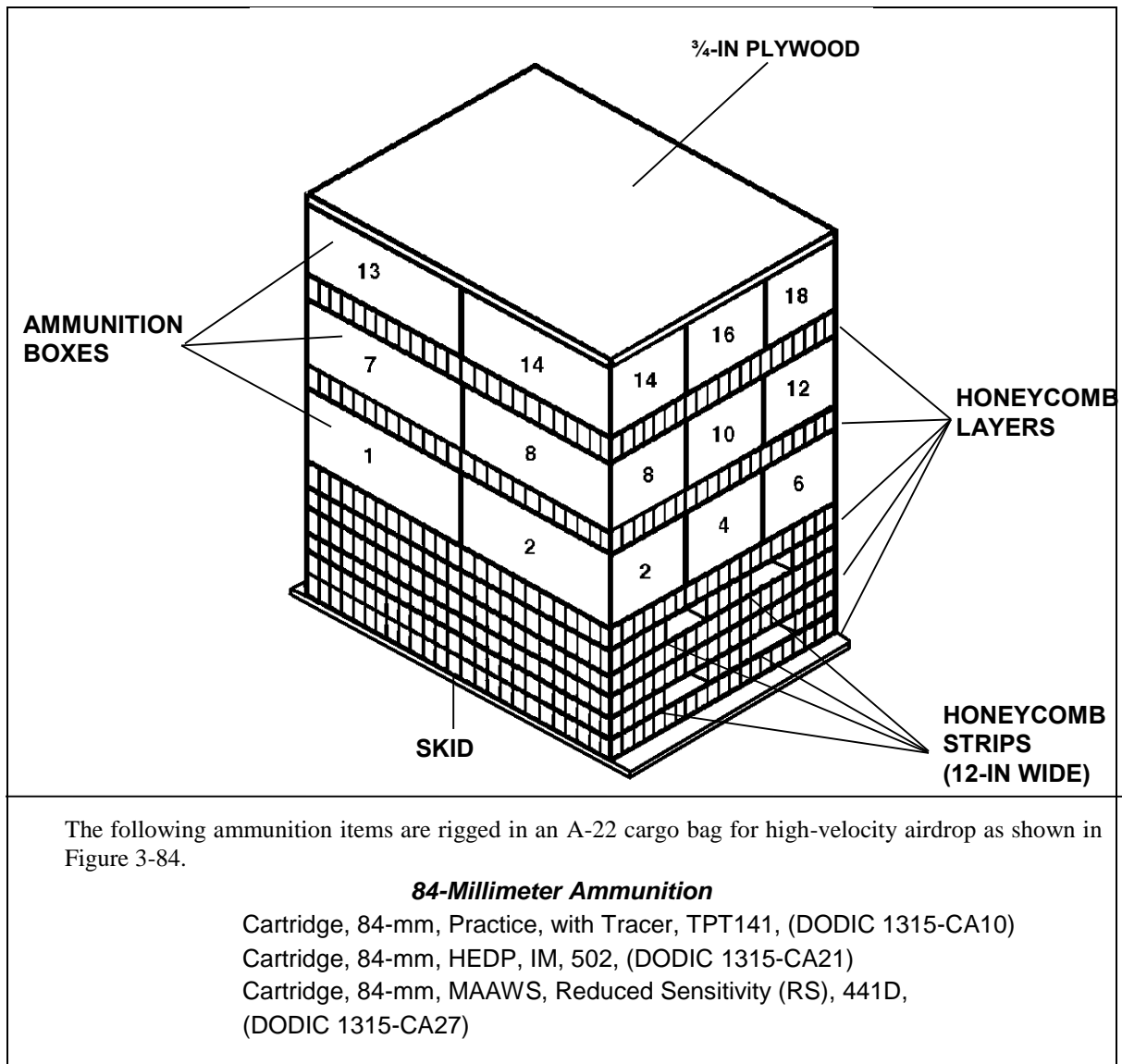


Figure 3-84. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

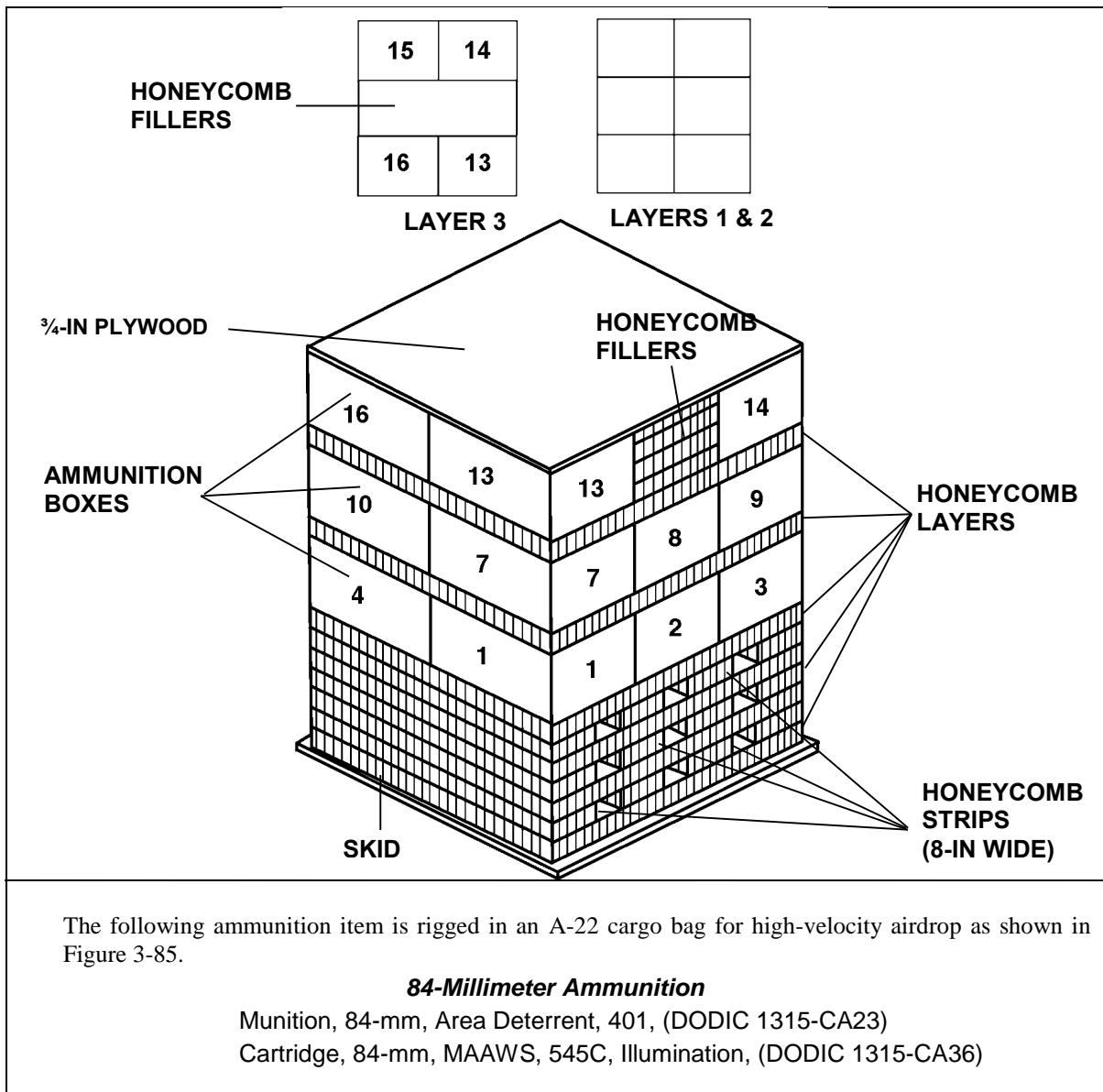


Figure 3-85. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

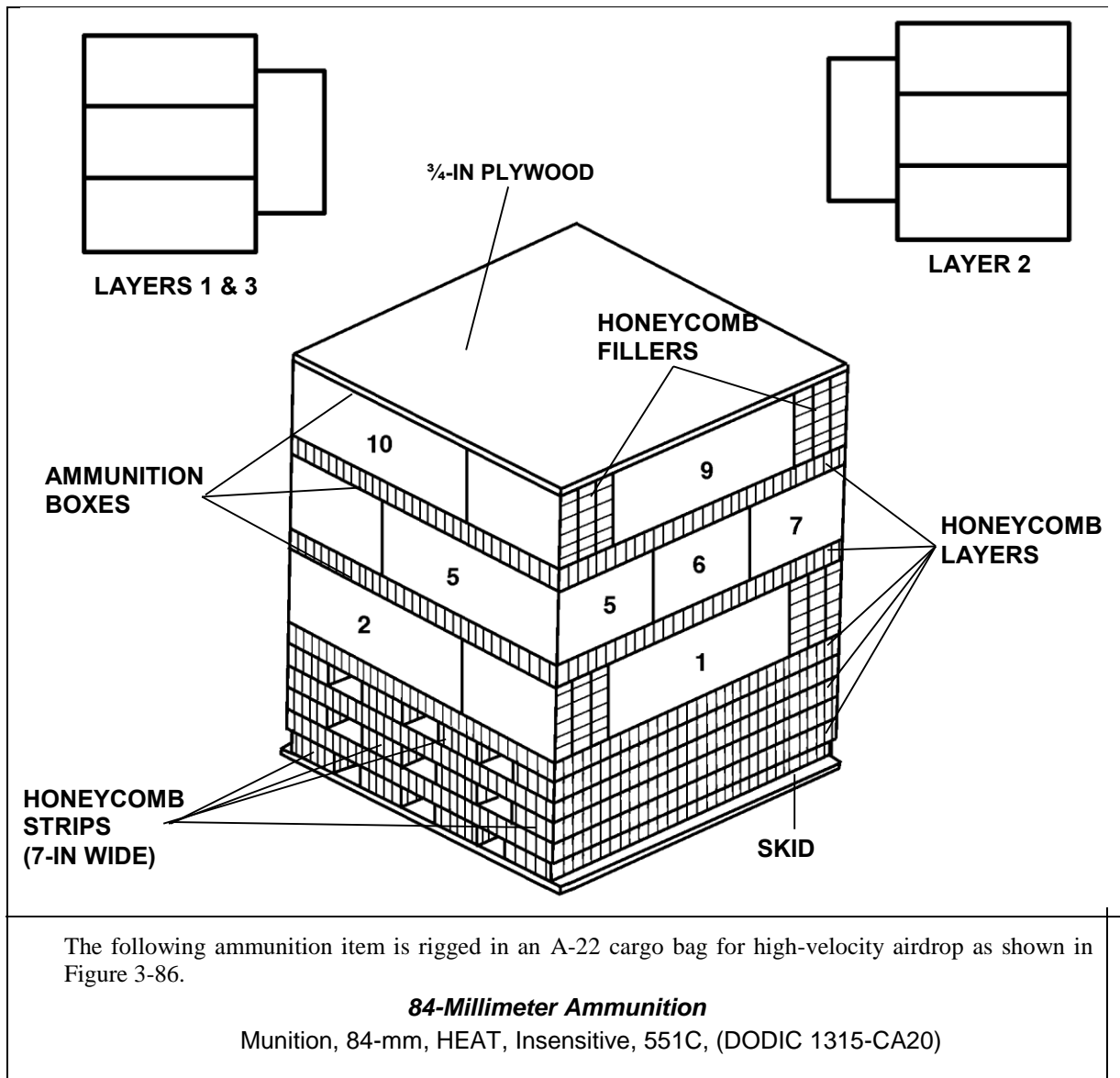


Figure 3-86. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

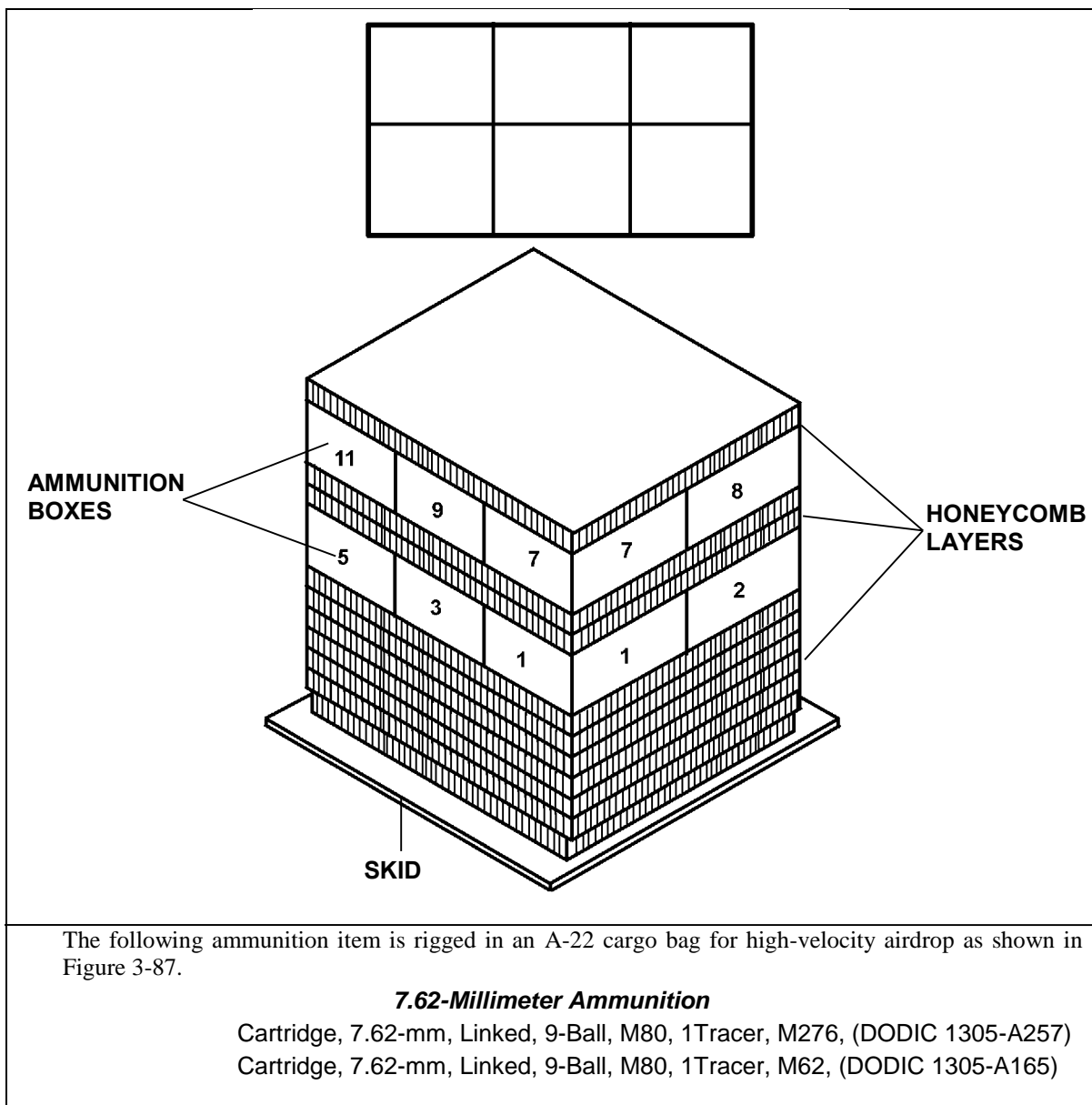


Figure 3-87. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

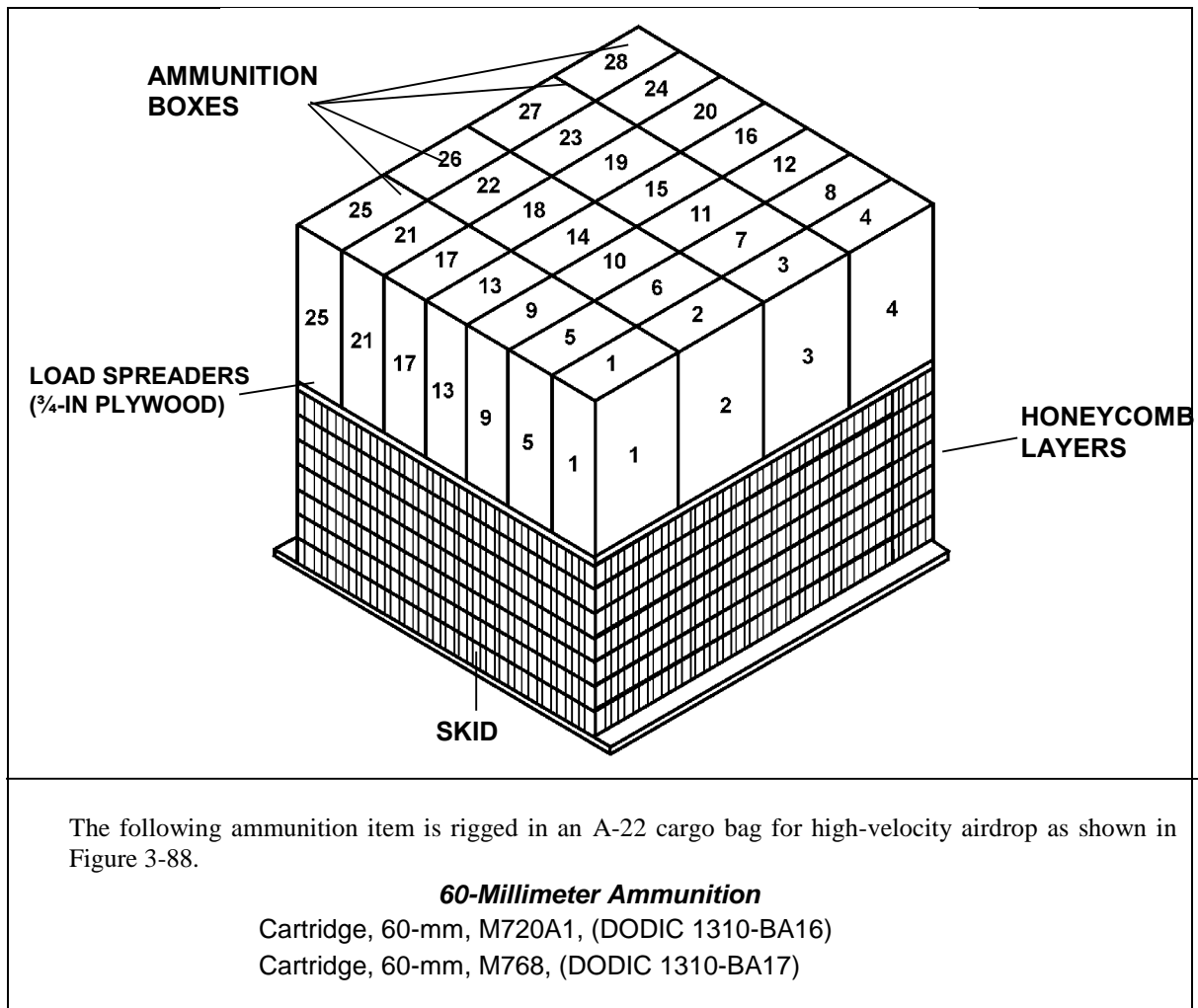


Figure 3-88. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

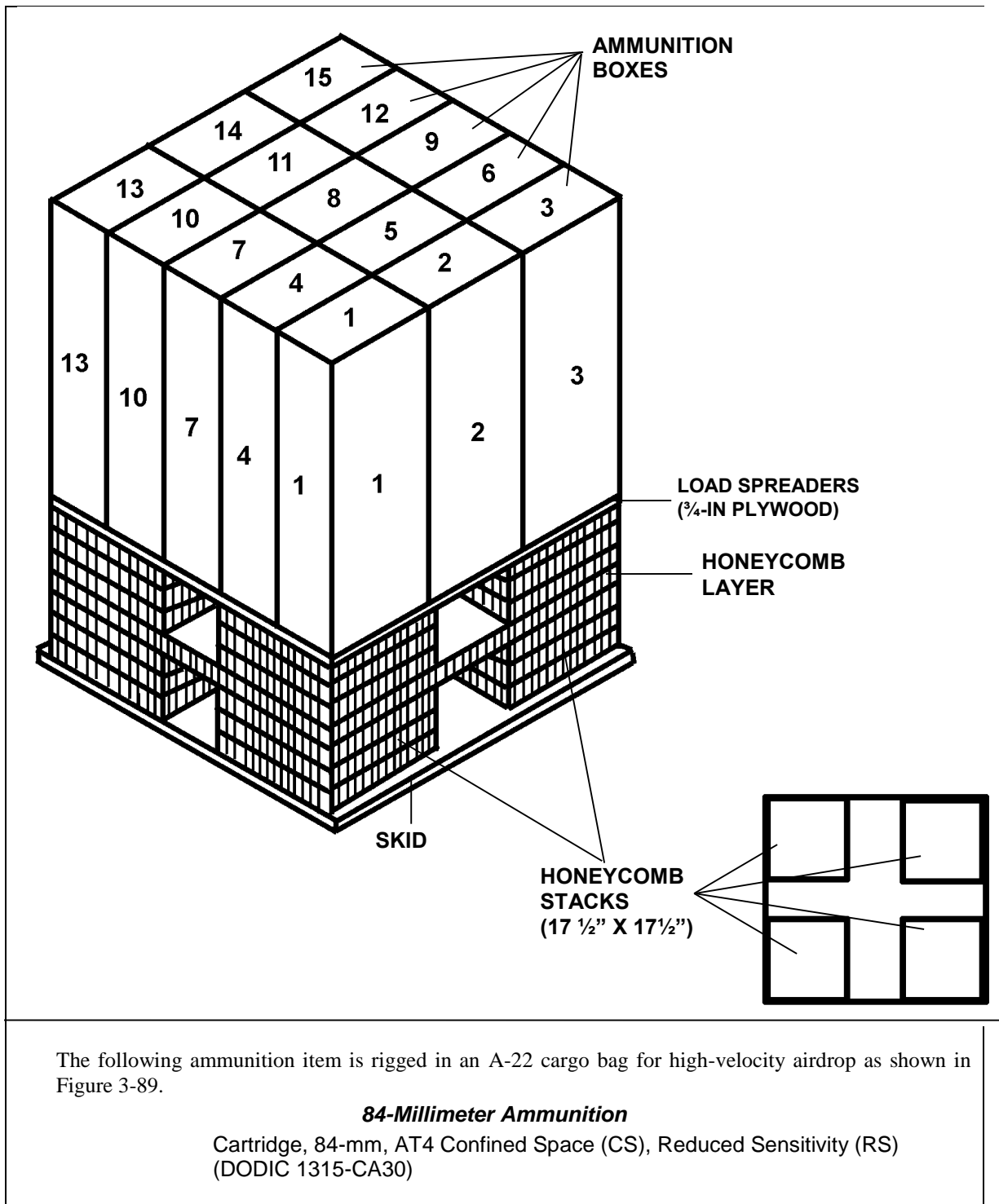


Figure 3-89. Ammunition layout in an A-22 cargo bag for high-velocity airdrop

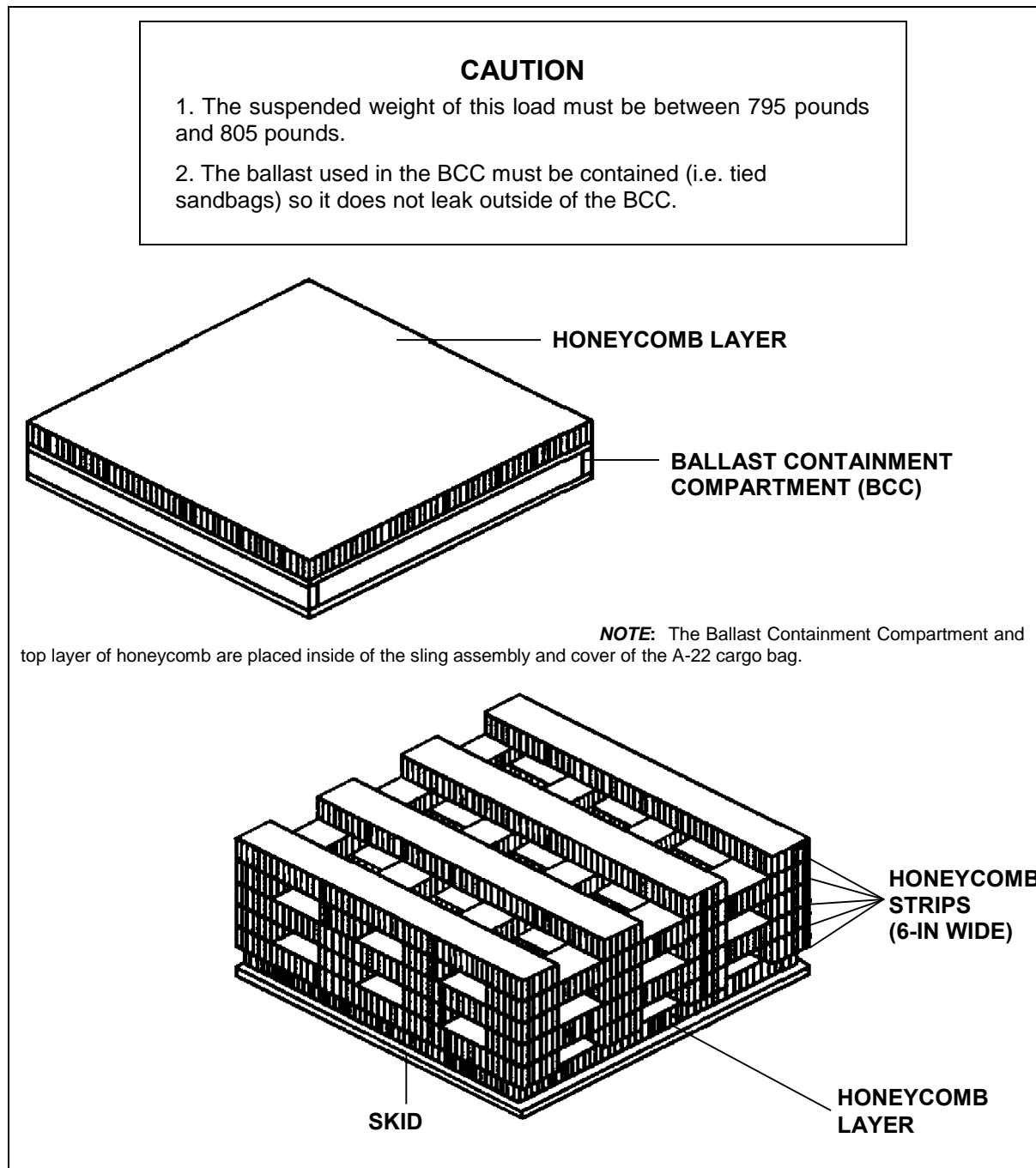


Figure 3-90. Honeycomb stack and rigging steps for mdi munitions in an A-22 cargo bag for high velocity airdrop

RIGGING STEPS
<ol style="list-style-type: none"> 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 TM 4-48.03/MCRP 4-11.3C/TO 13C7-1-11, Chapter 9, Section II. The following restrictions apply: <ul style="list-style-type: none"> • The containers (wooden crates) may be broken down into smaller packaging units. <ul style="list-style-type: none"> ■ Individual corrugated cardboard boxes. ■ Individual foil wrapped items. ■ MDI items maybe 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.

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)

Chapter 4

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

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 TM 4-48.03/MCRP 4-11.3C/TO 13C7-1-11.

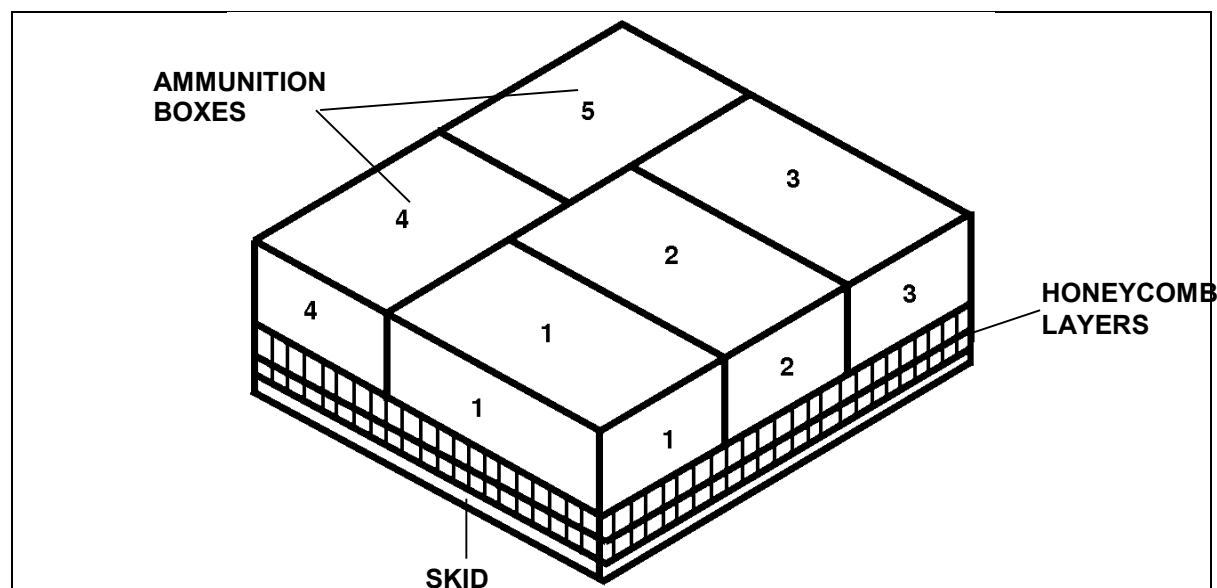
SPECIAL INSTRUCTIONS

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 Figure 4-1 through 4-45 in this chapter.
- The A-7A cargo sling and the A-21 cargo bag dimension limits are listed in TM 4-48.03/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 TM 4-48.03/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 TM 4-48.03/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 Lowlight, 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)

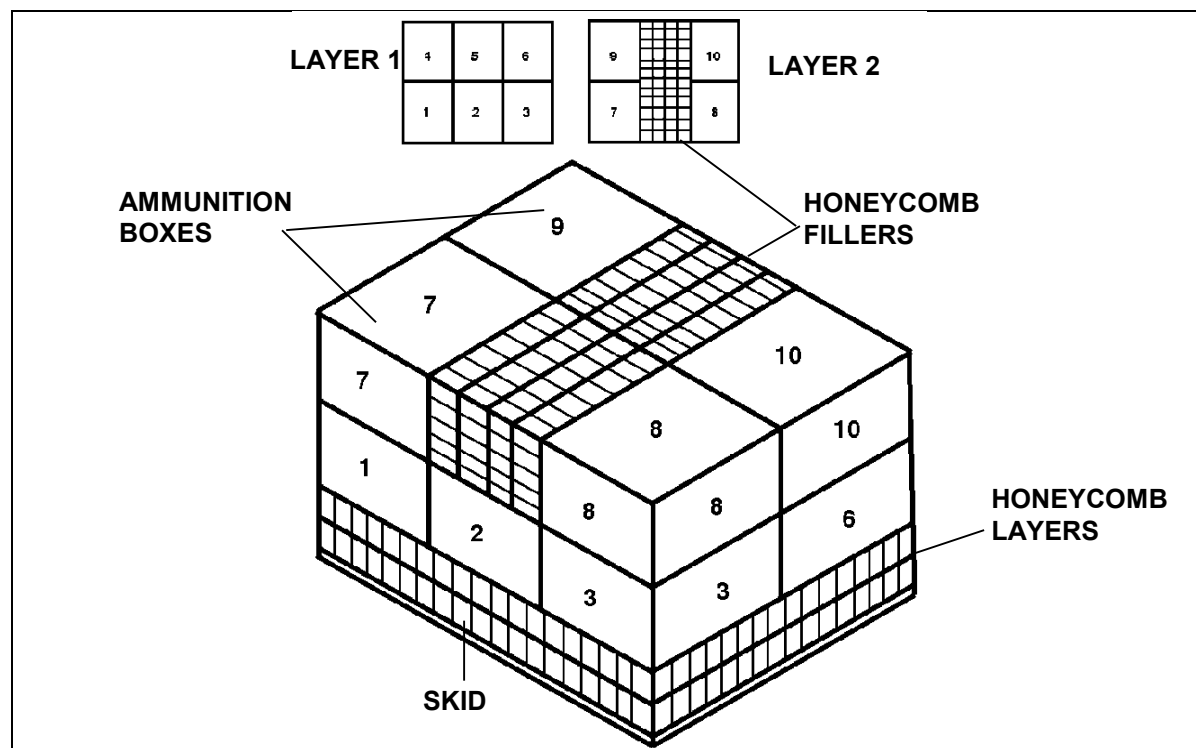
Antipersonnel and Antitank Mine
 Mine, Antipersonnel, M18A1 with Accessories, (DODIC 1345-K143)

Figure 4-1. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop (continued)

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 aA21 cargo bag for low-velocity airdrop (continued)

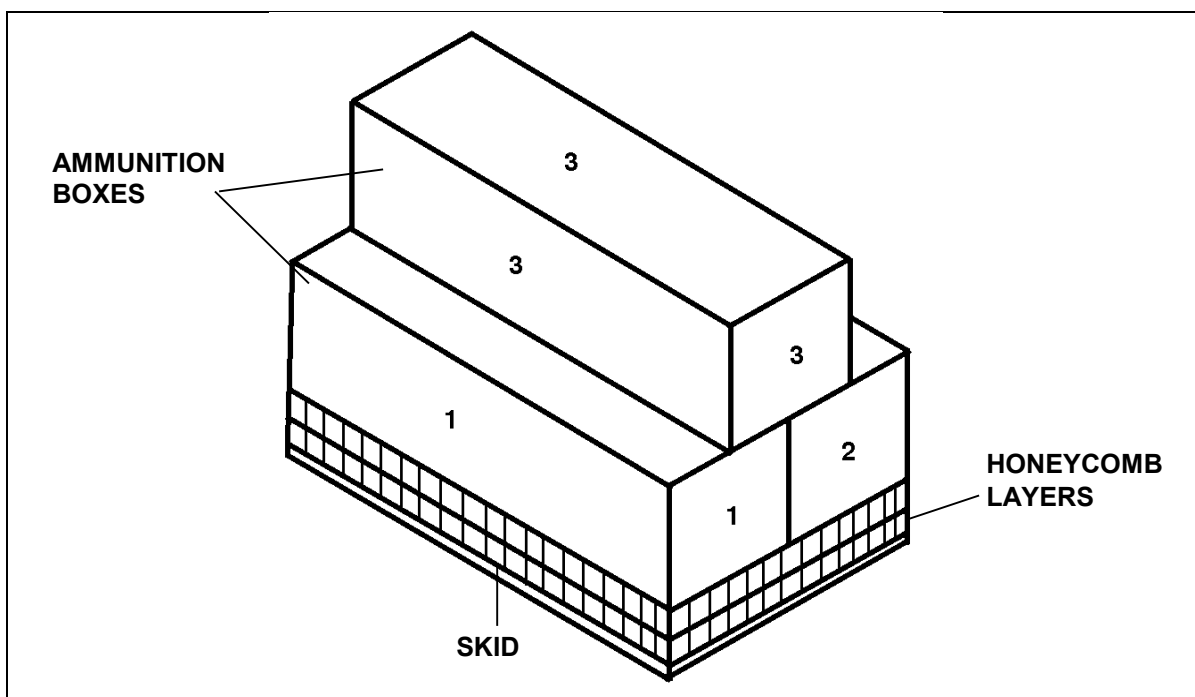


The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop as shown in Figure 4-2.

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, APERS-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)

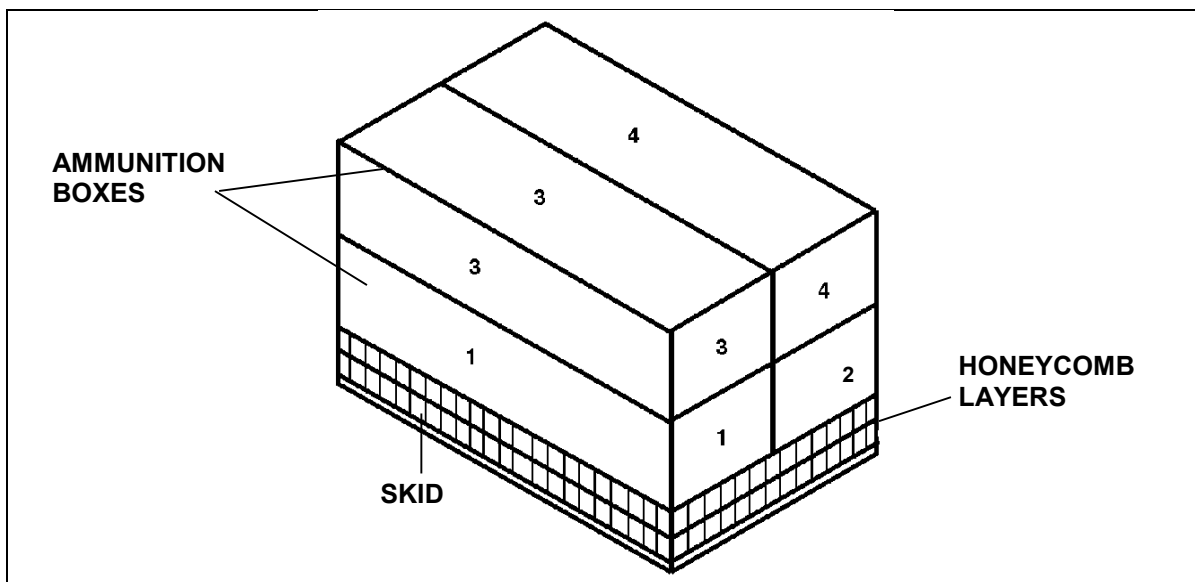
Antipersonnel and Antitank Mine

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

Demolition Item

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

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

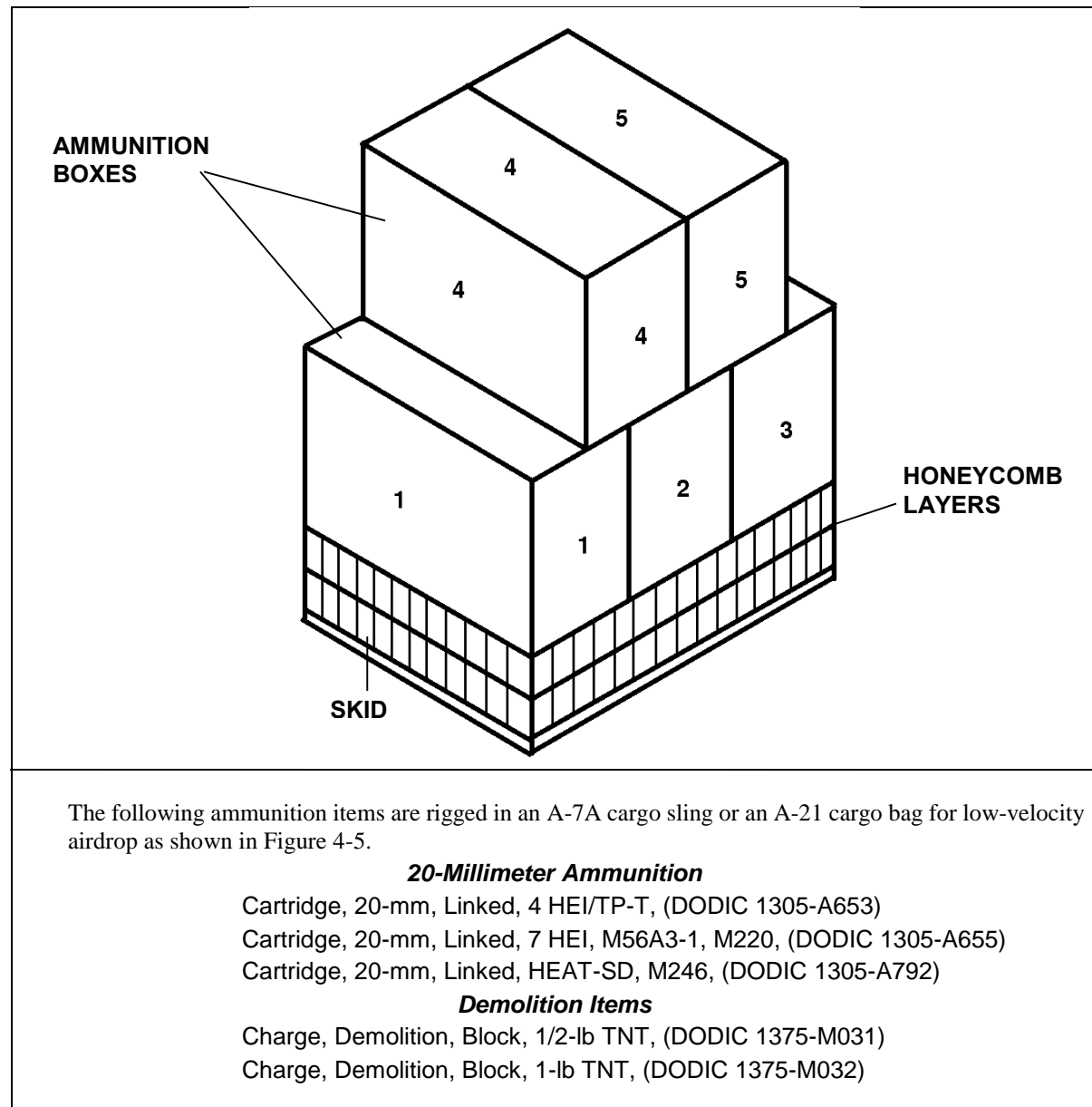


Figure 4-5. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

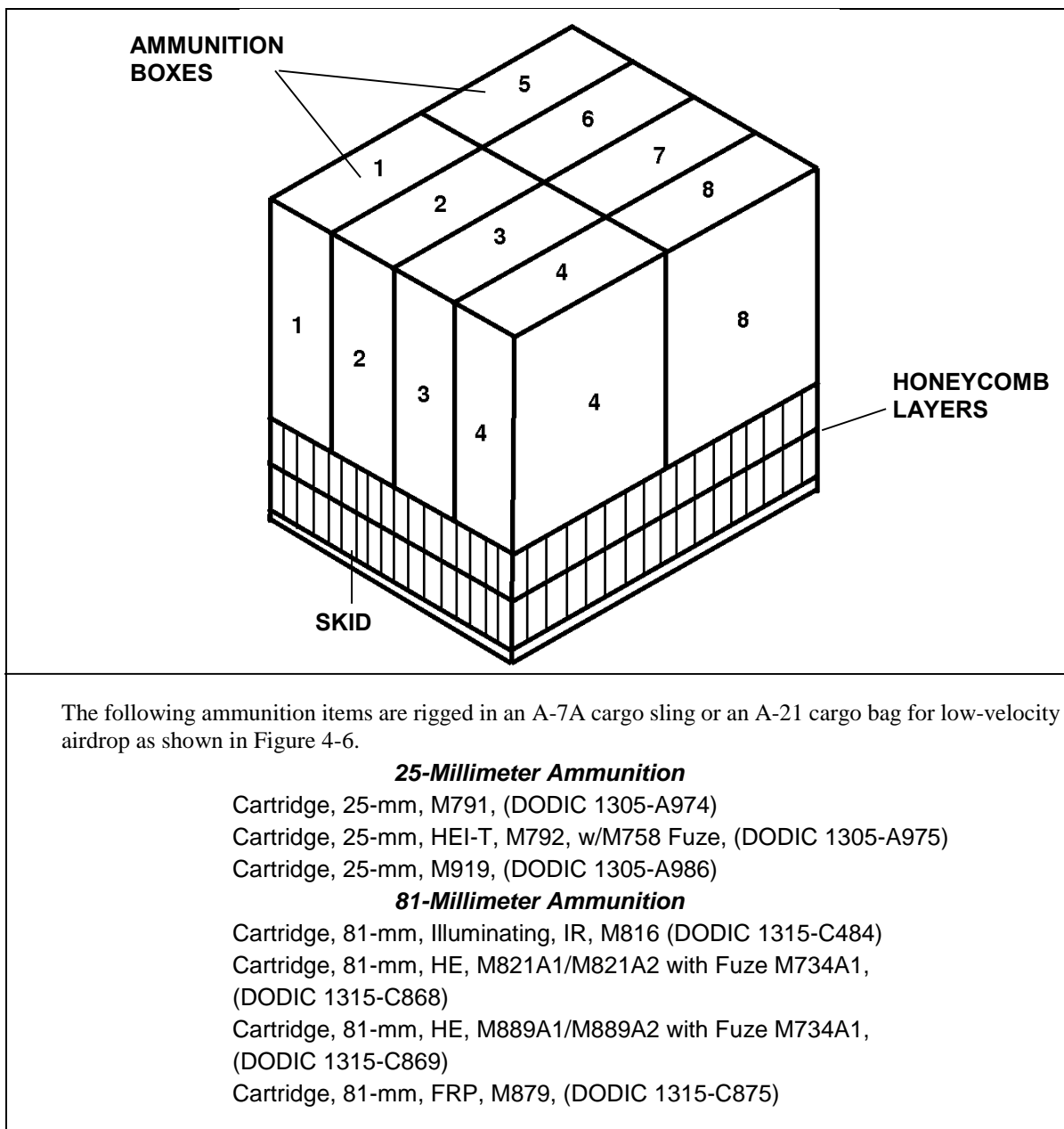
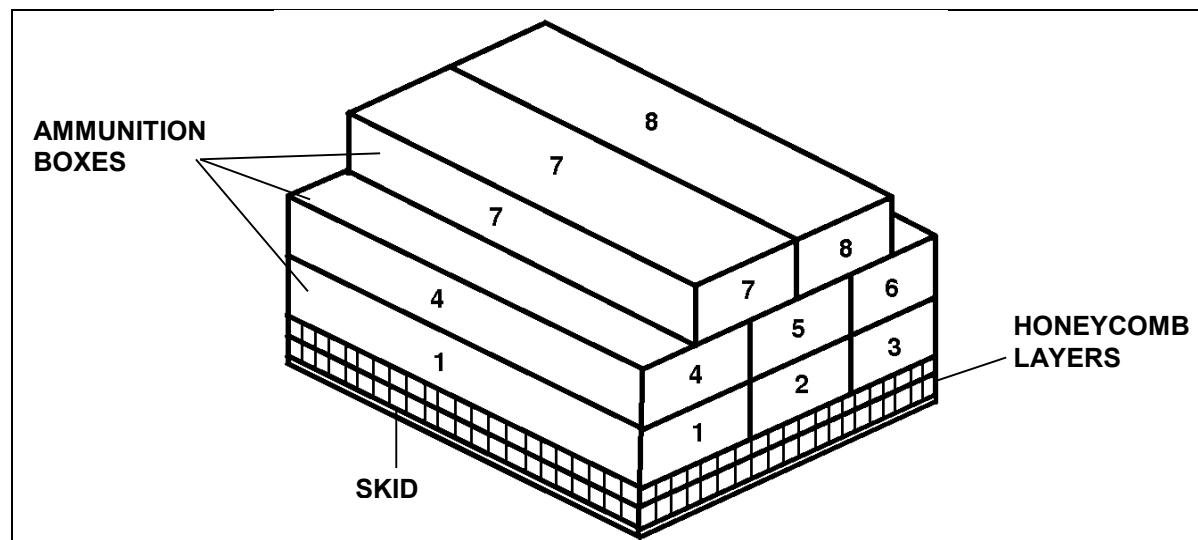


Figure 4-6. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop



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 4-7.

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)

60-Millimeter Ammunition

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

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

Figure 4-7. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

<p>Grenades</p> <p>Grenade, Hand, Offensive, MK3A2 with Fuze, (DODIC 1330-G911)</p> <p>Flare and Signal Items</p> <p>Signal, Illuminating, A/C, Single Star, AN-M43A2, Red, (DODIC 1370-L231)</p> <p>Signal, Illuminating, A/C, Single Star, AN-M45A2, Green, (DODIC 1370-L233)</p> <p>Demolition Items</p> <p>Charge, Demolition, Block, PETN, M118, (DODIC 1375-M024)</p> <p>Charge, Demolition, Block, 40-lb Cratering Ammonium Nitrate (DODIC 1375-M039)</p> <p>Firing Device, Demolition, M5, Pressure Release Type, (DODIC 1375-M627)</p> <p>Firing Device, Demolition, M1, Release Type, (DODIC 1375-M631)</p>
--

Figure 4-7. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop (continued)

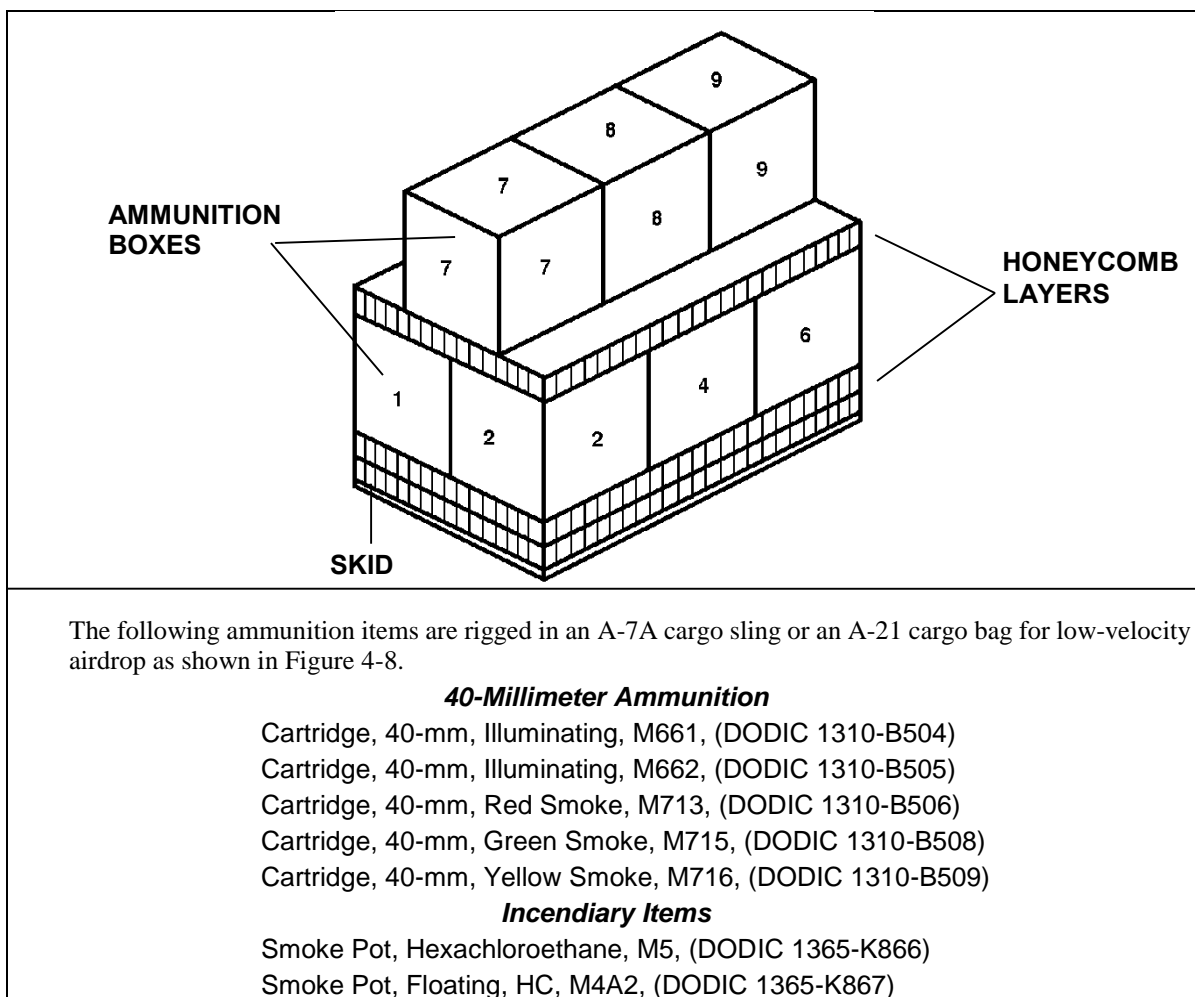


Figure 4-8. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

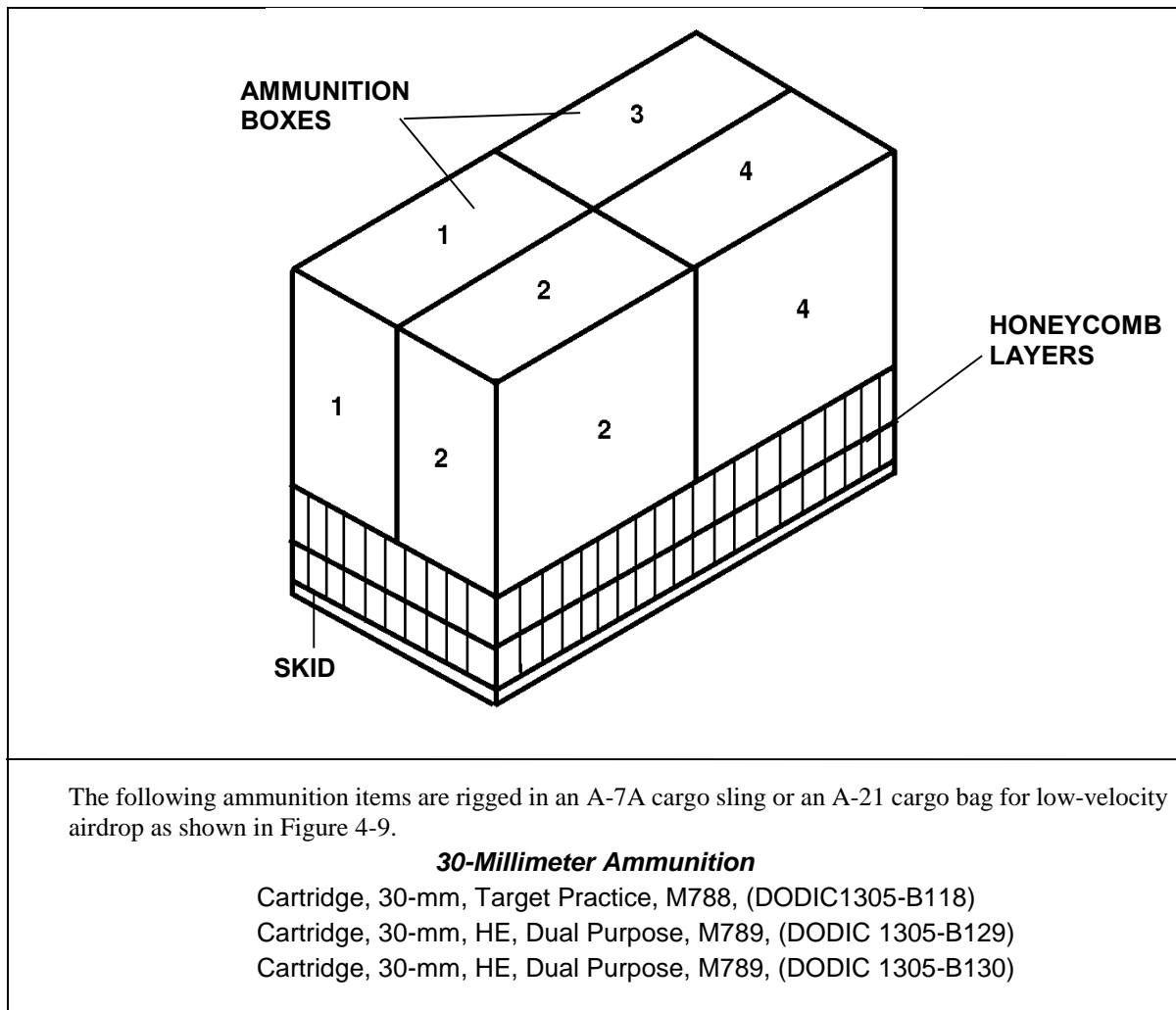


Figure 4-9. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

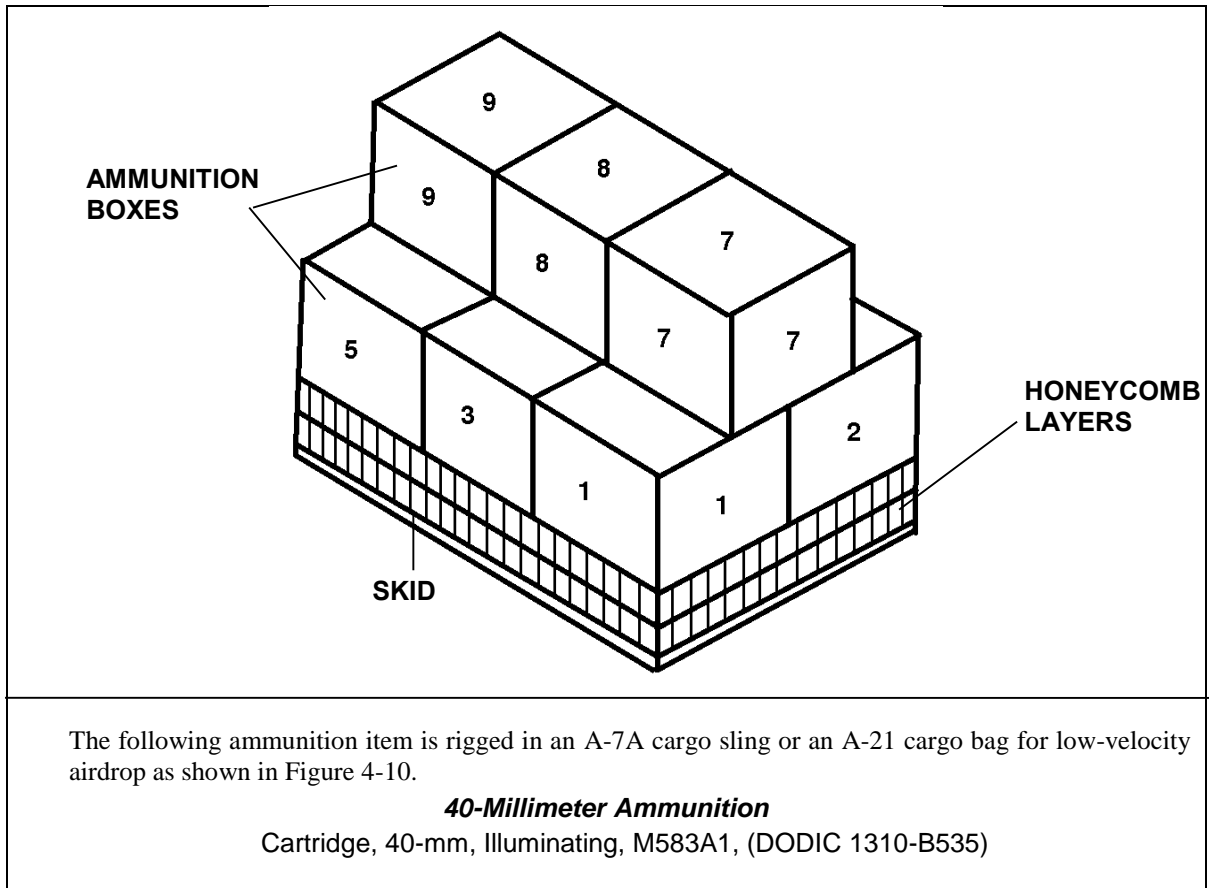


Figure 4-10. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

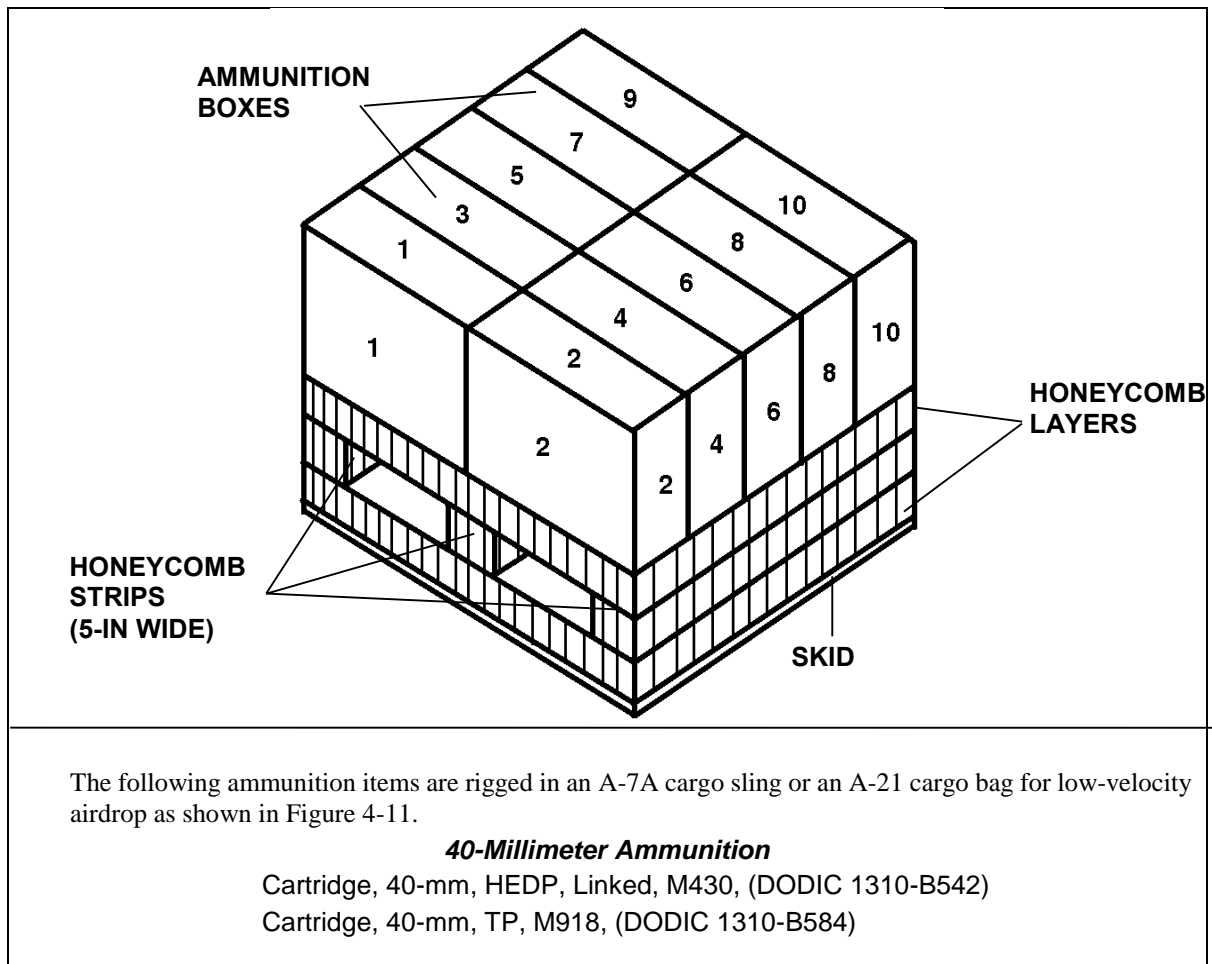


Figure 4-11. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

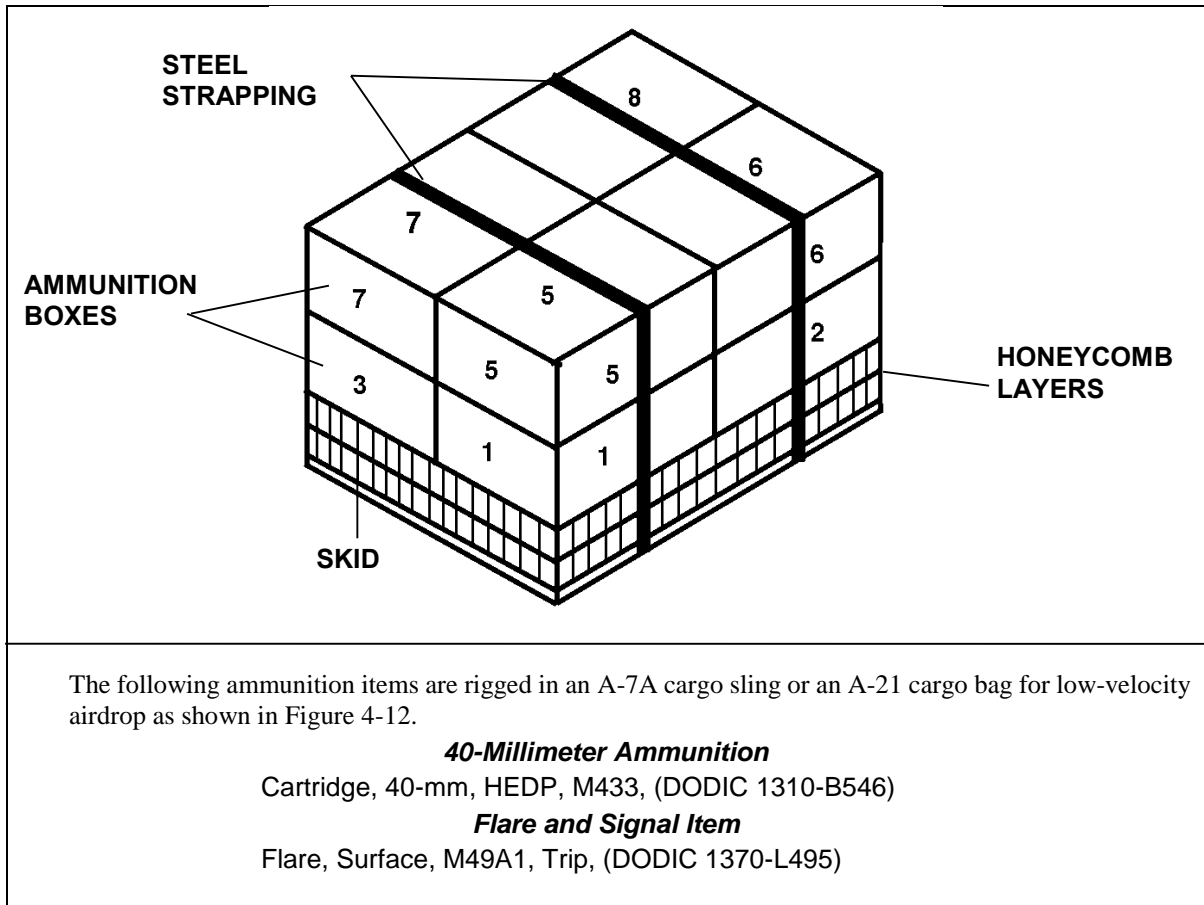


Figure 4-12. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

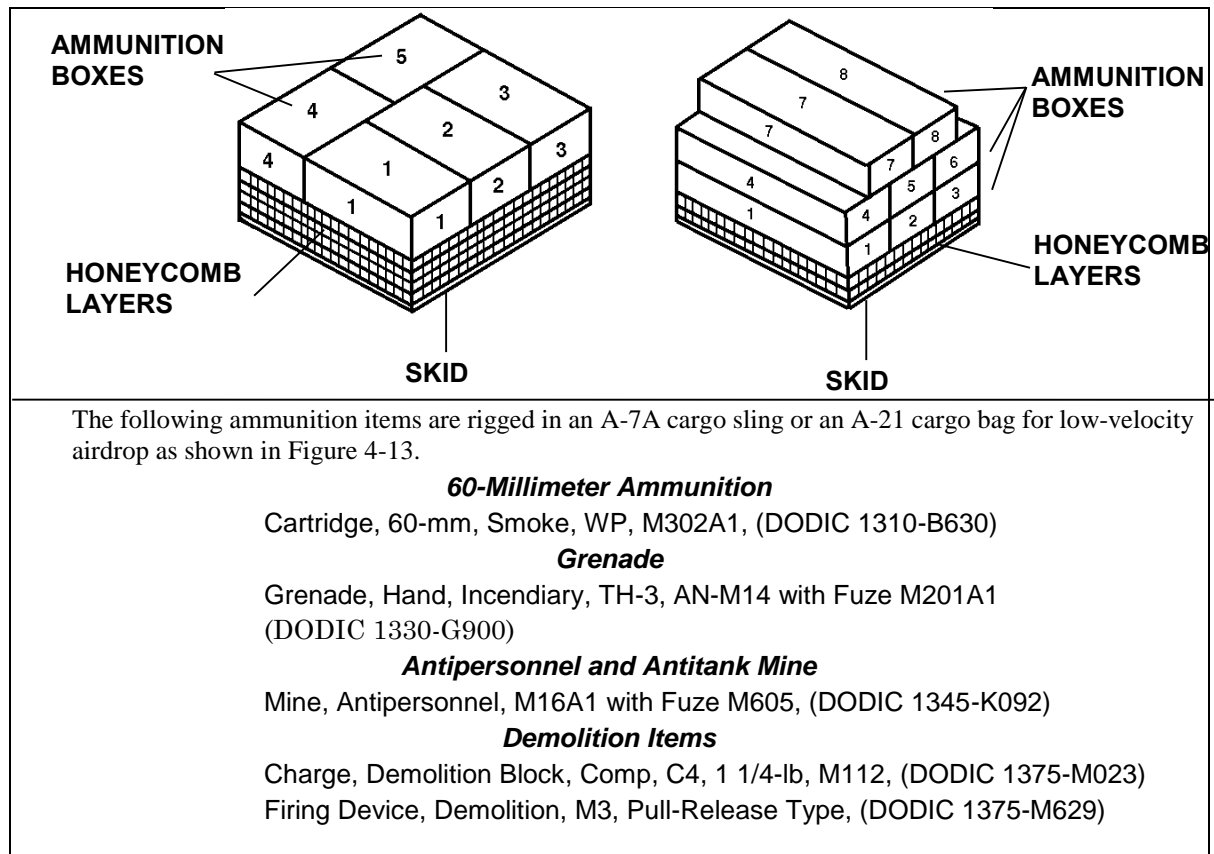


Figure 4-13. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

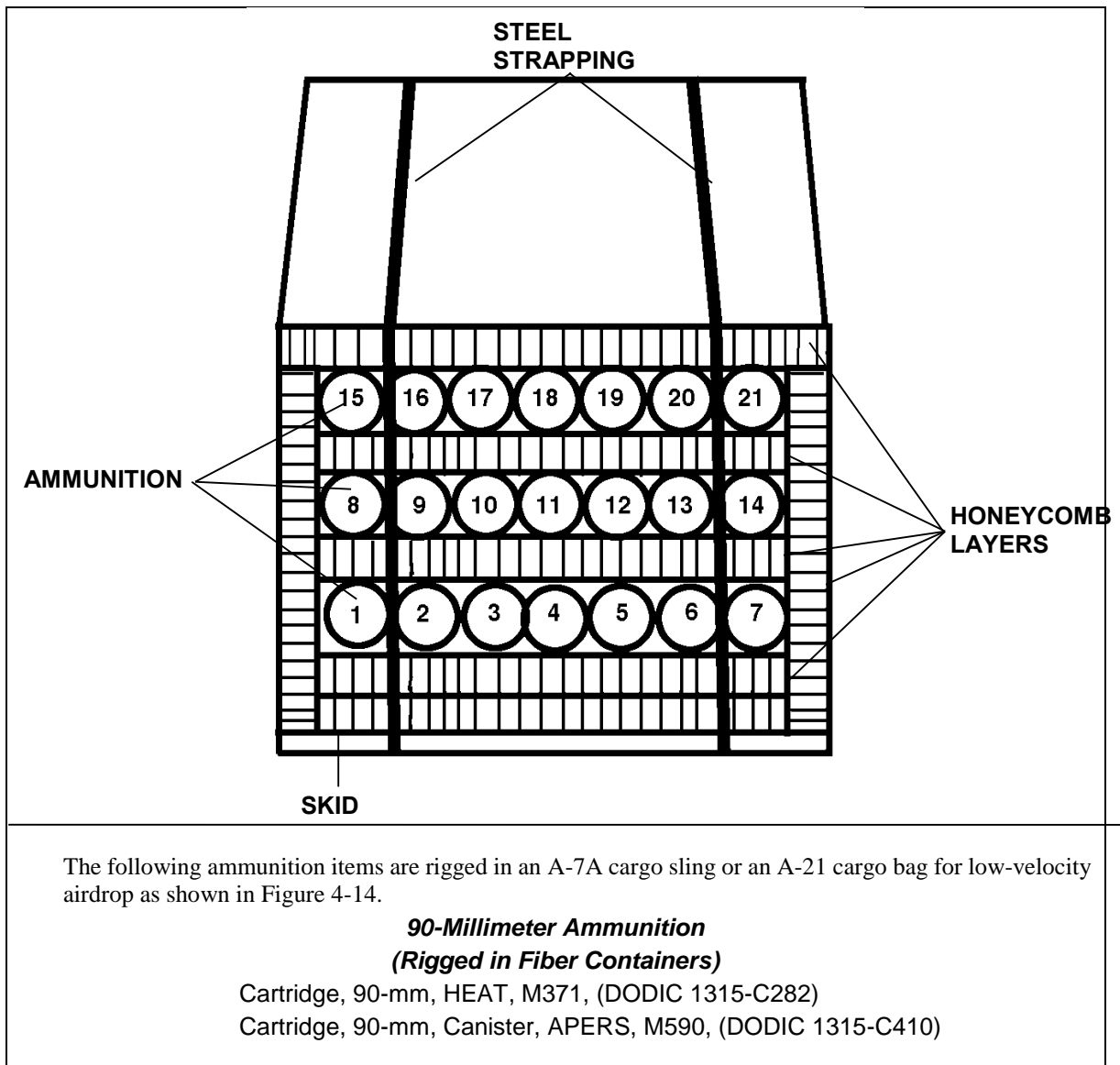


Figure 4-14. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

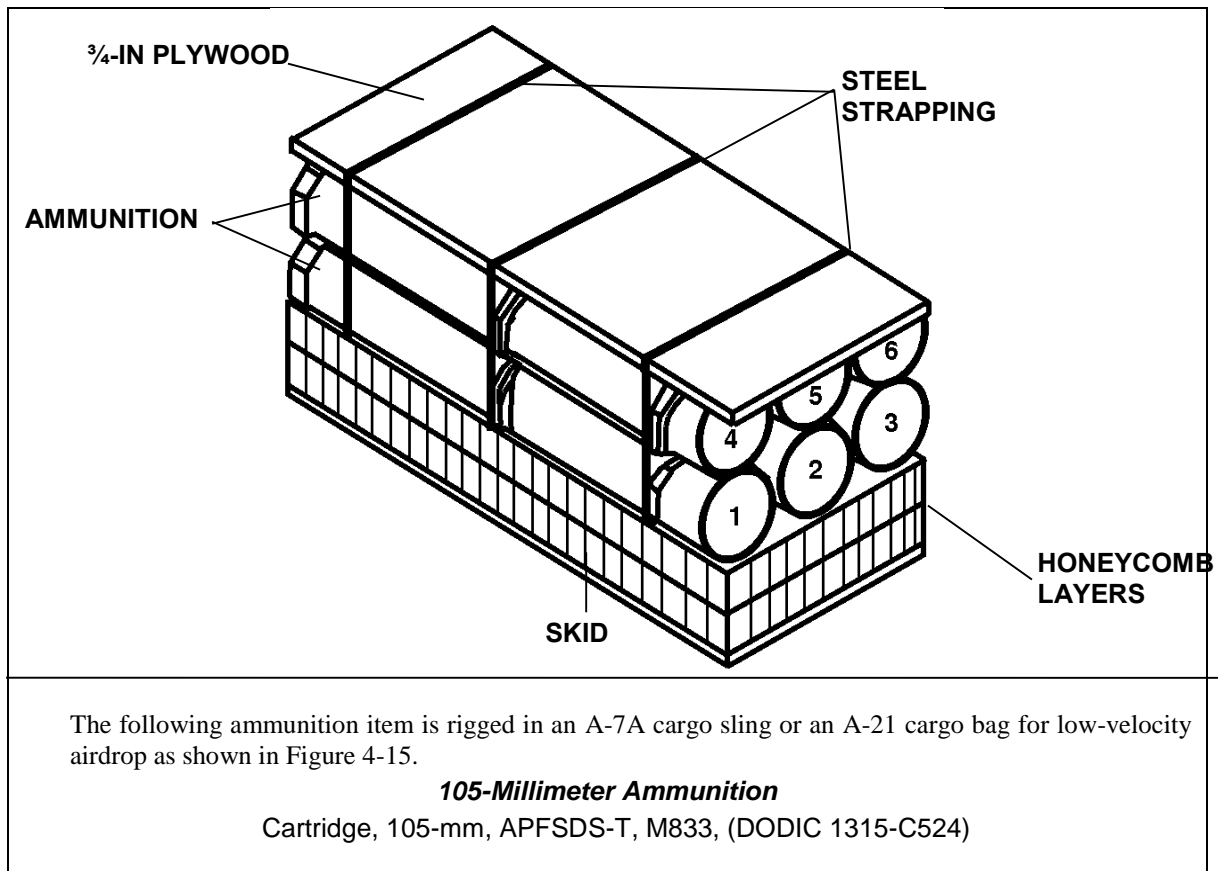


Figure 4-15. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

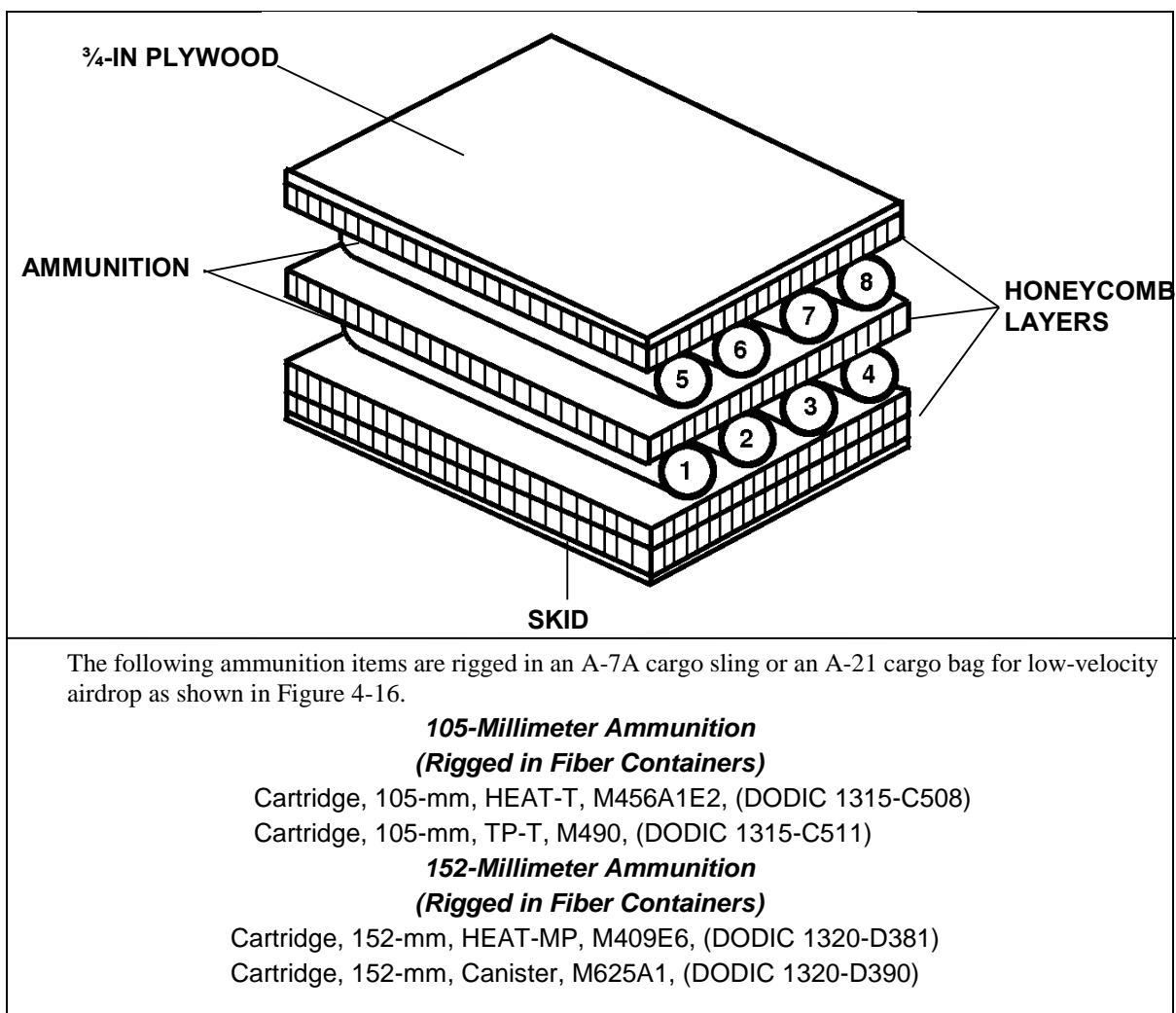


Figure 4-16. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

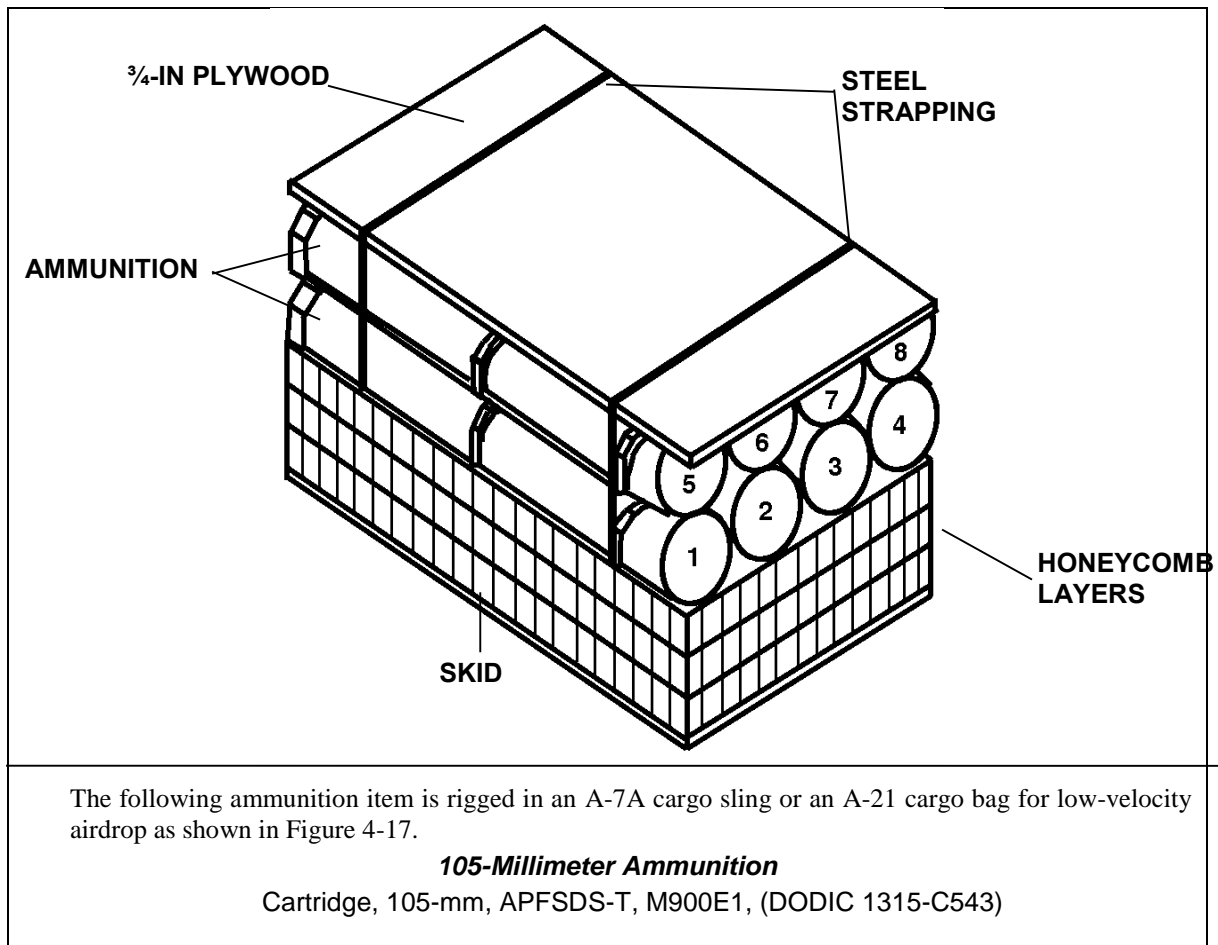


Figure 4-17. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

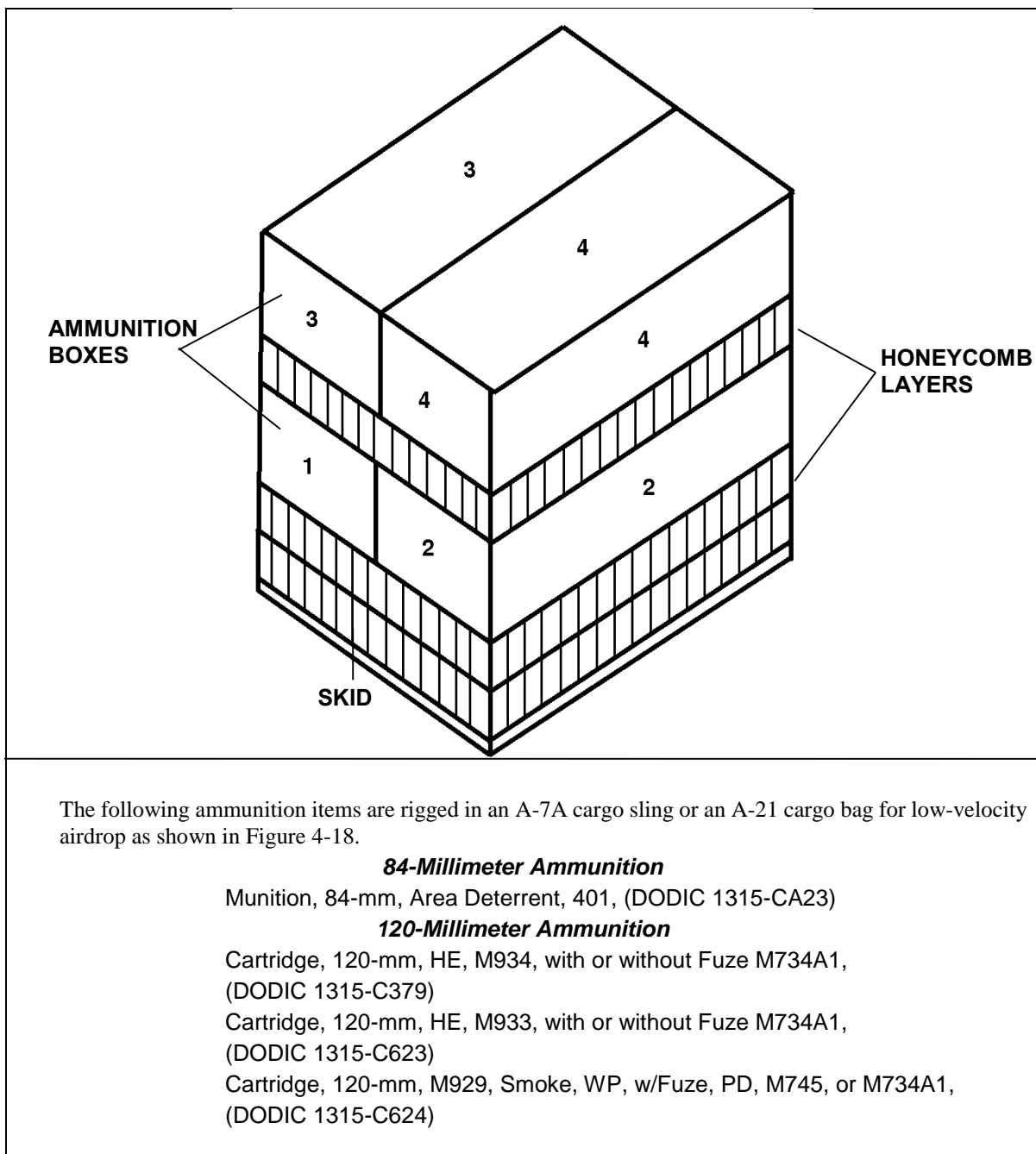


Figure 4-18. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

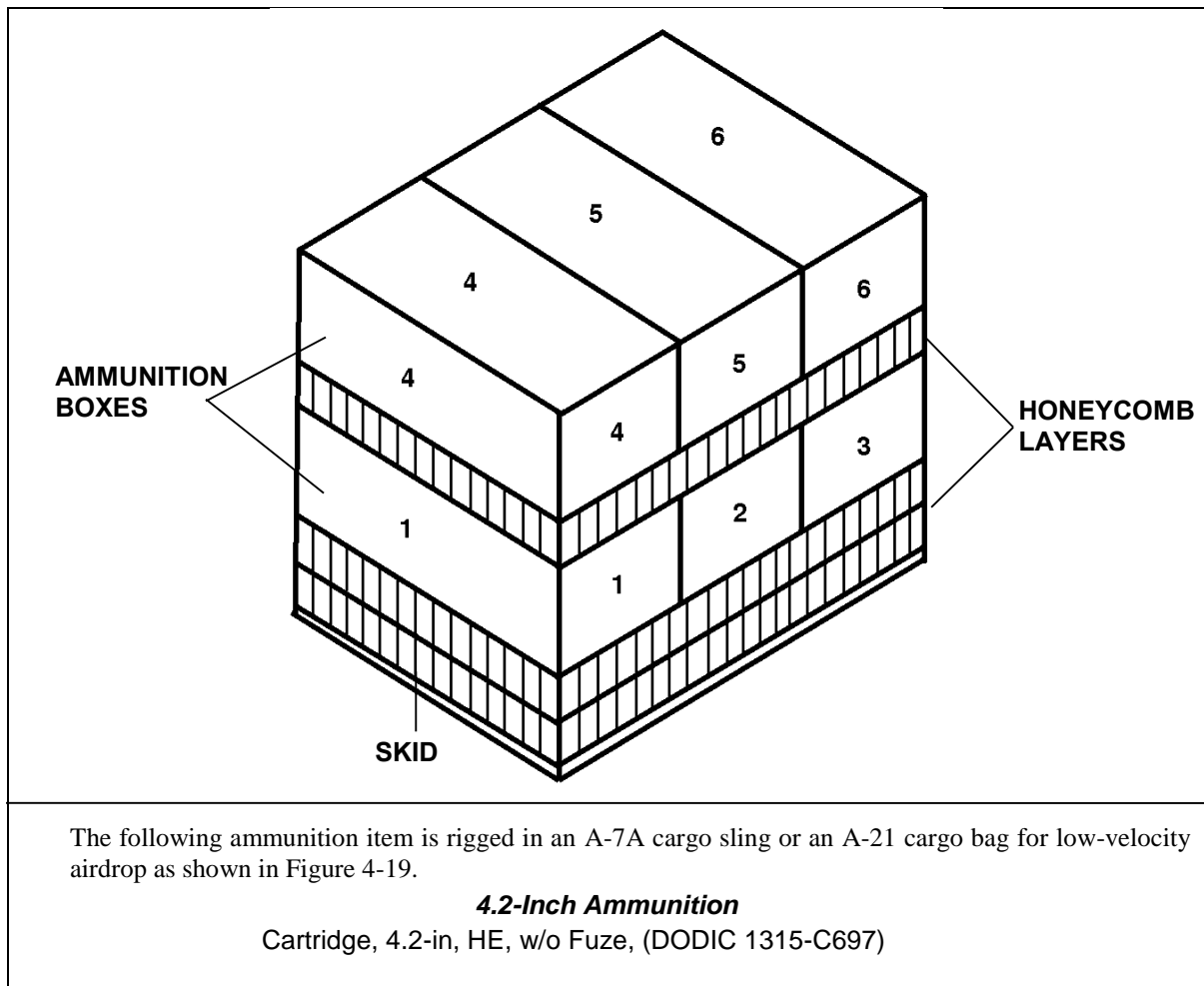


Figure 4-19. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

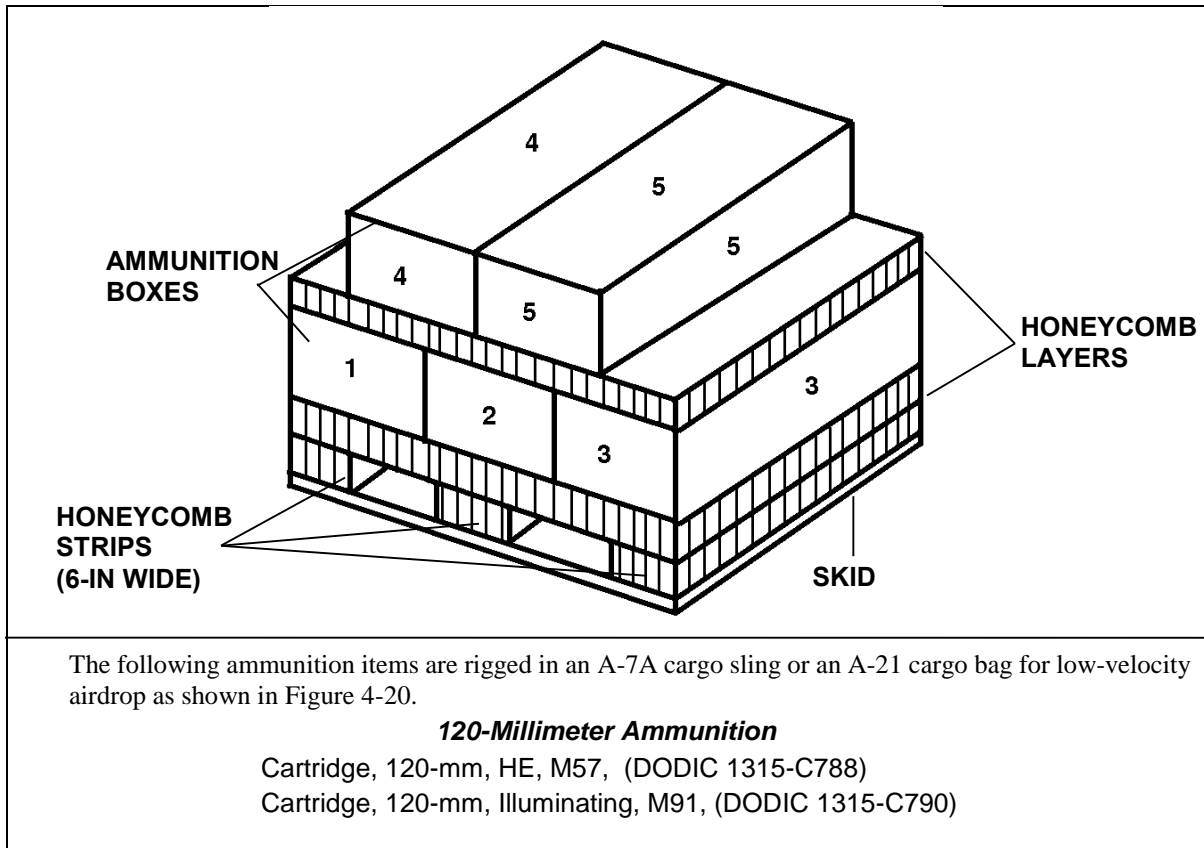
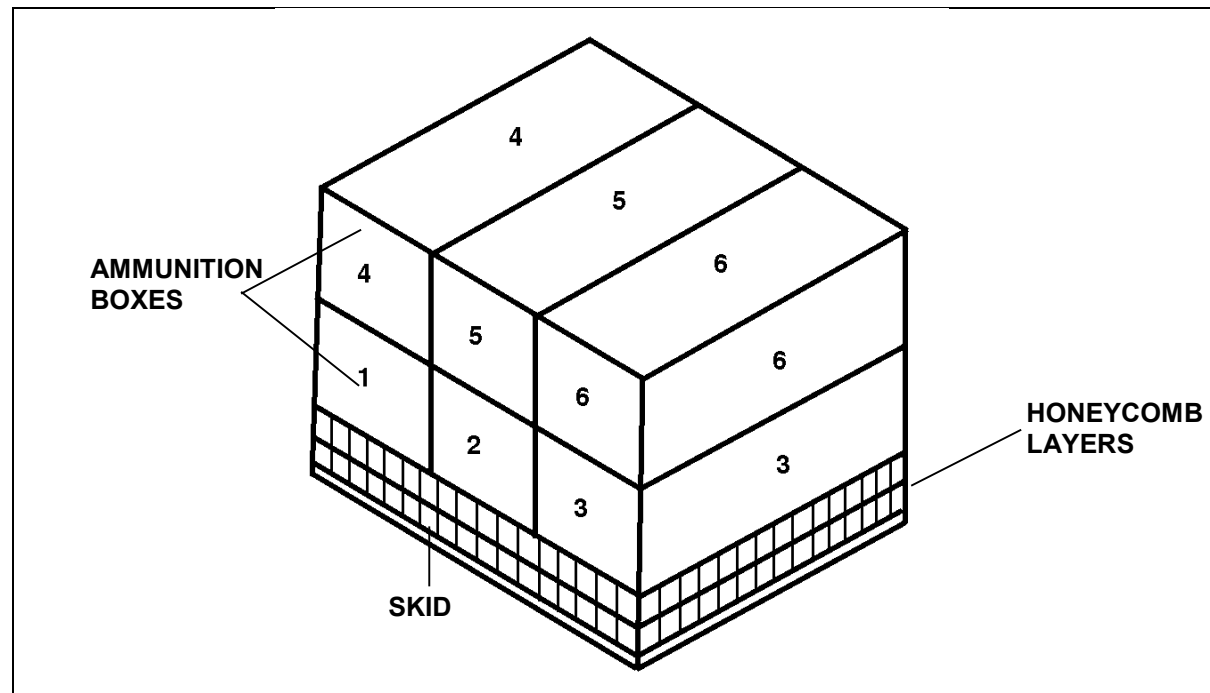


Figure 4-20. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop



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 4-21.

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

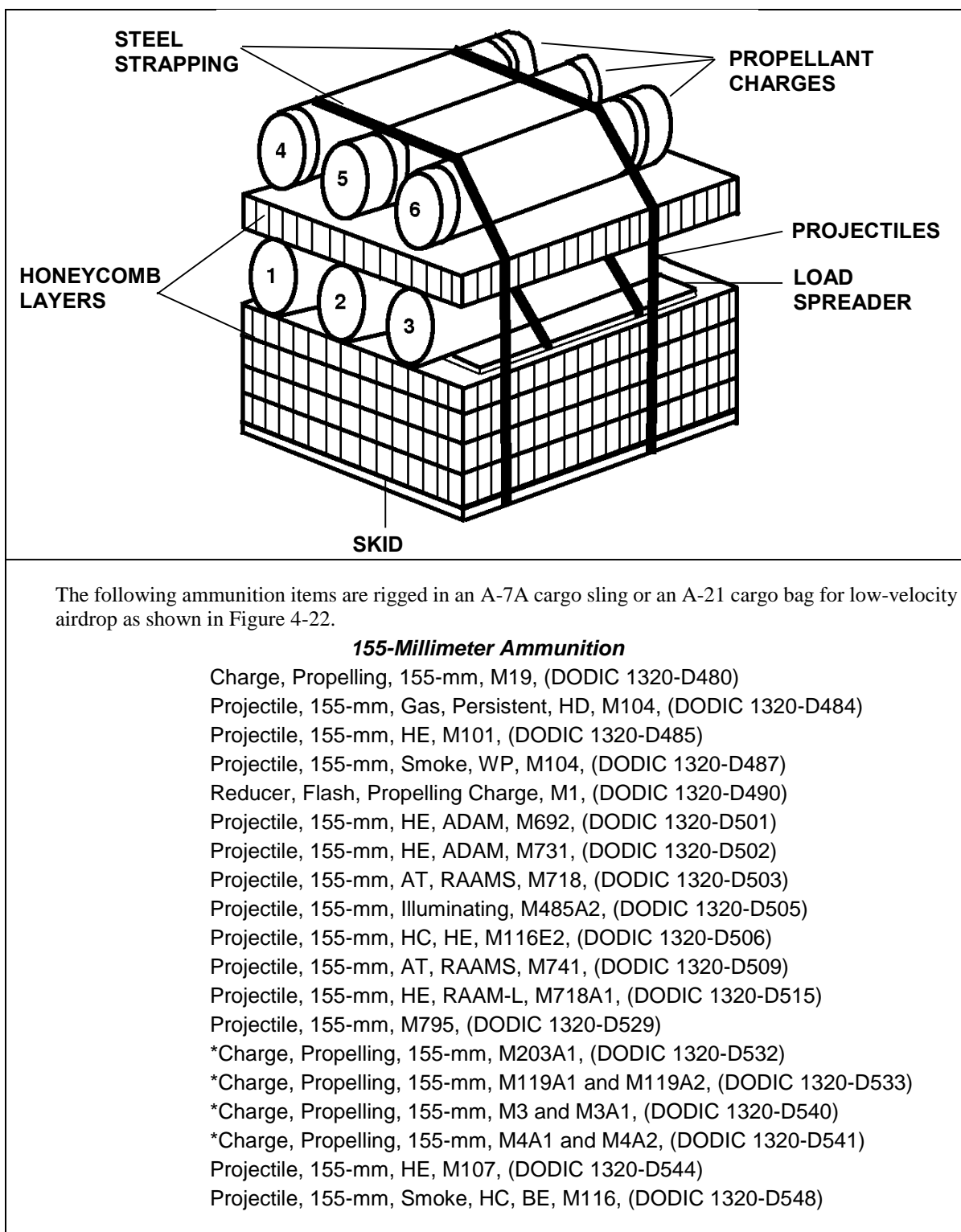


Figure 4-22. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

*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)

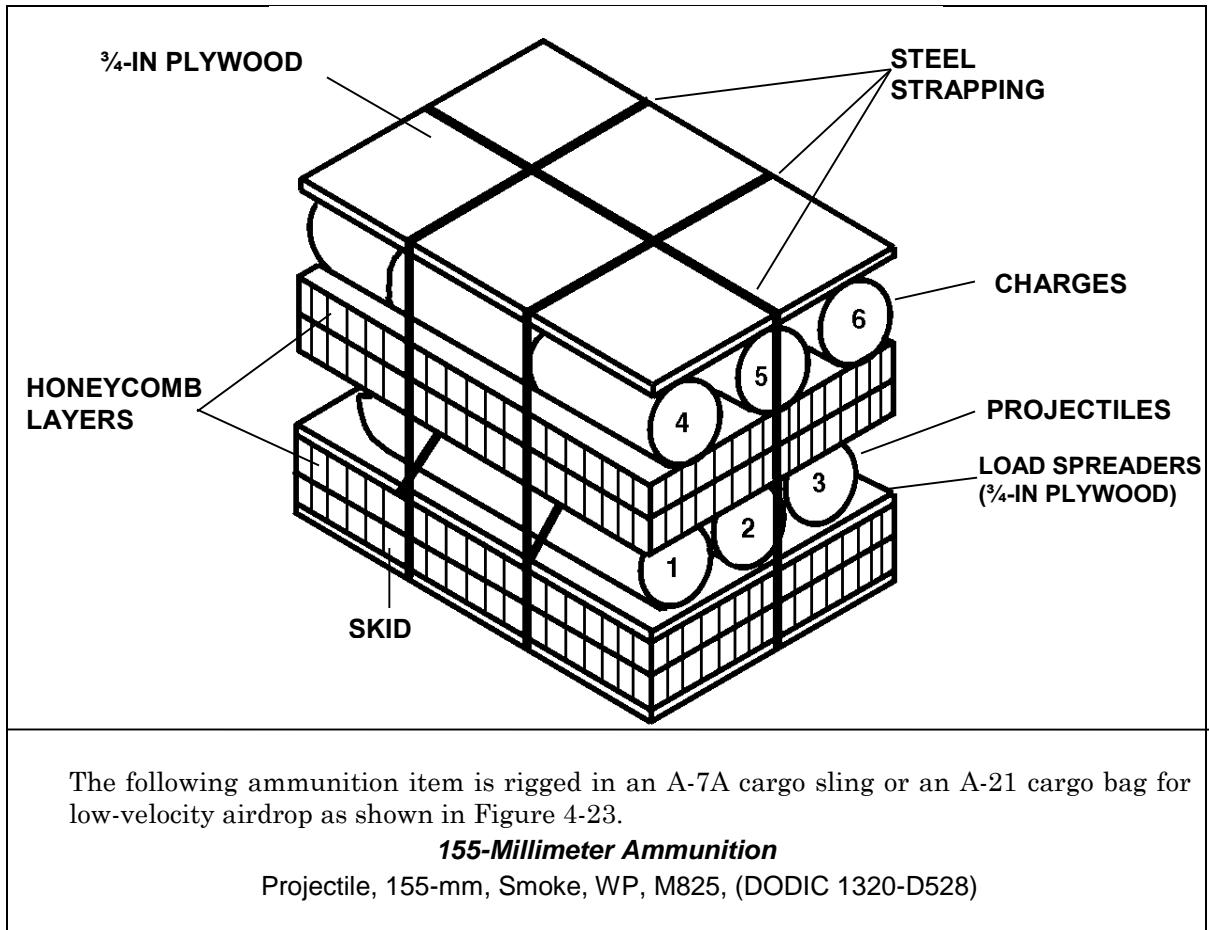


Figure 4-23. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

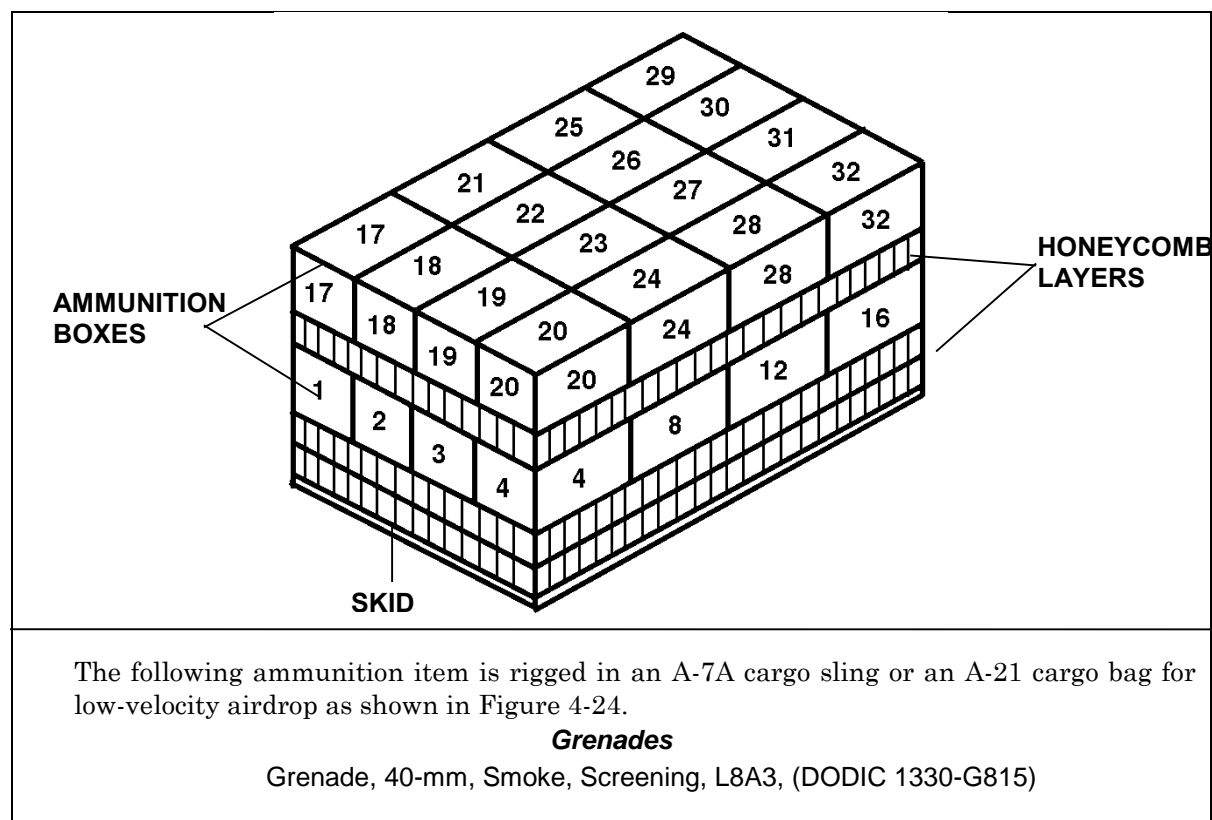


Figure 4-24. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

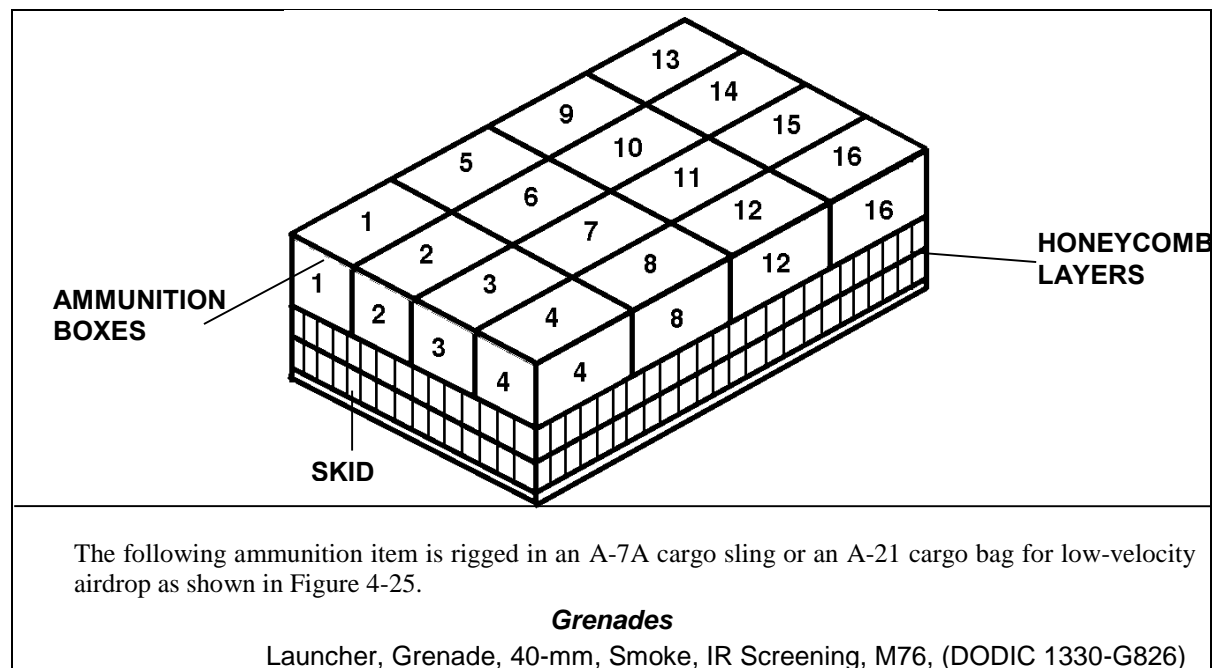


Figure 4-25. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

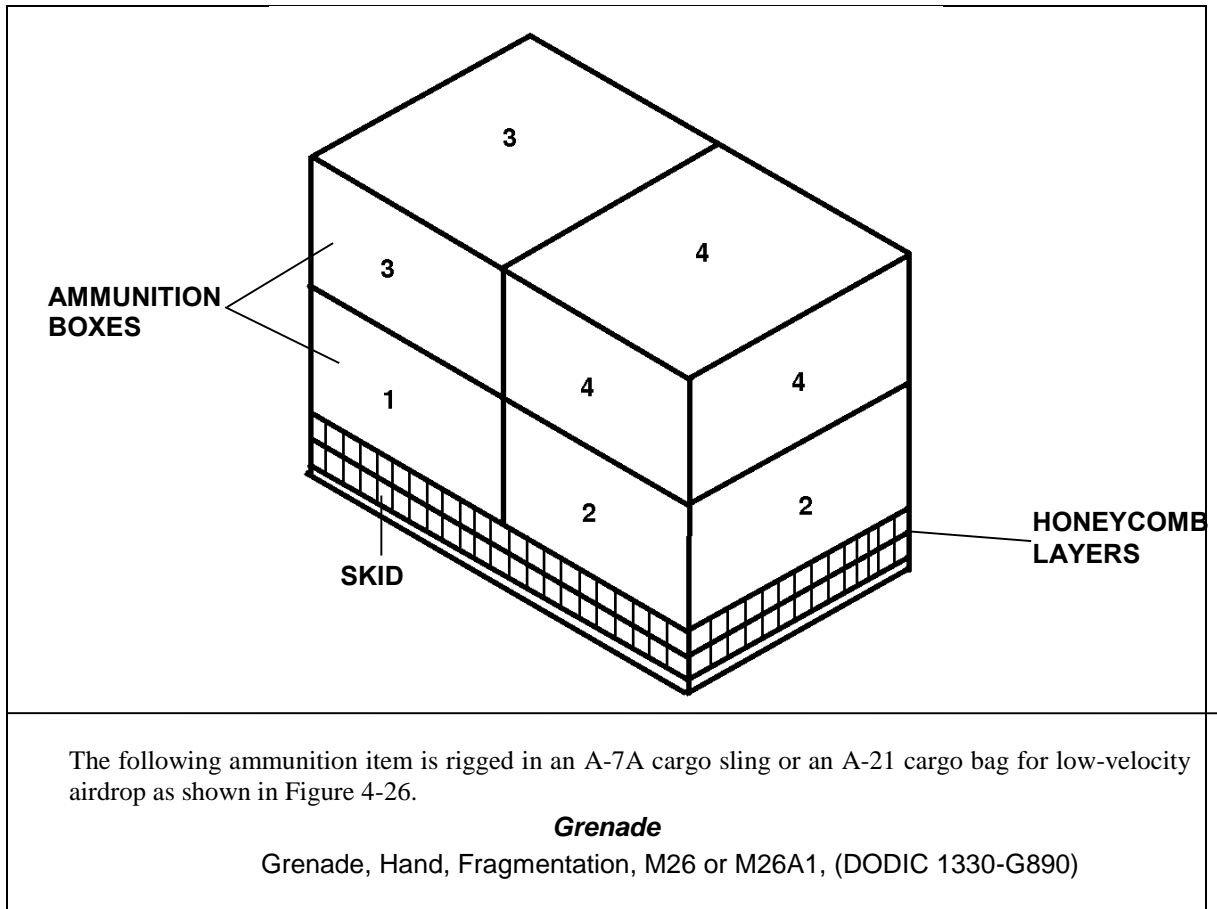


Figure 4-26. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

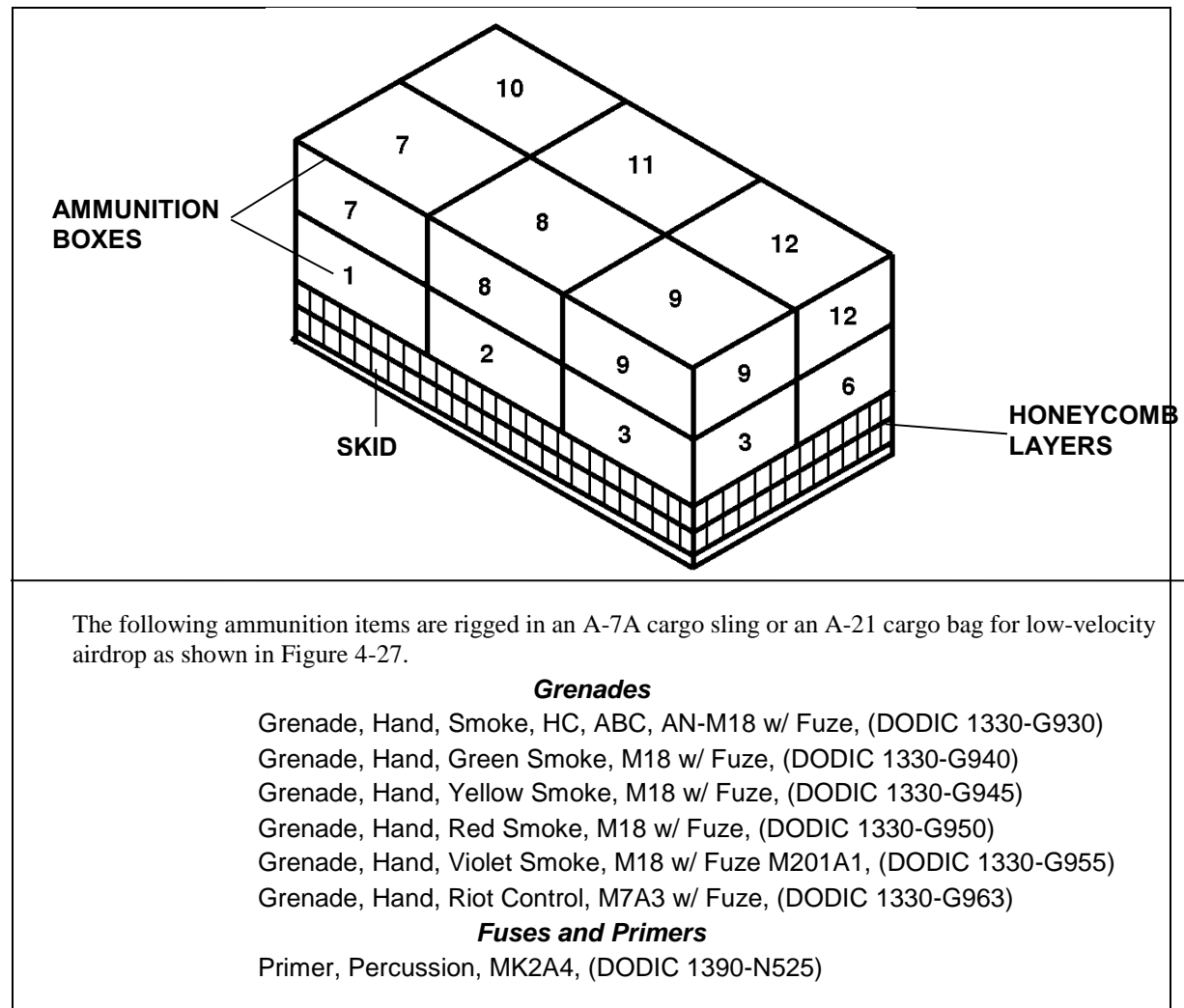


Figure 4-27. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

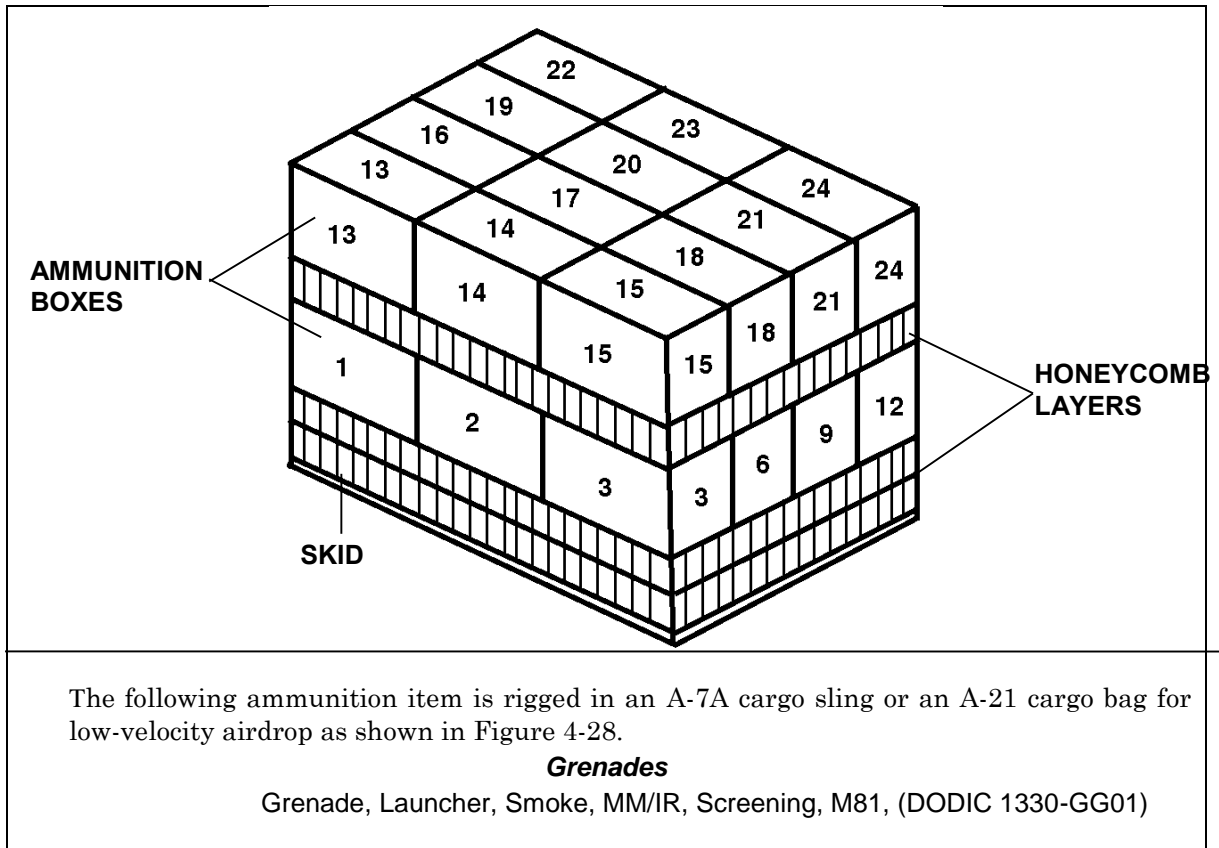
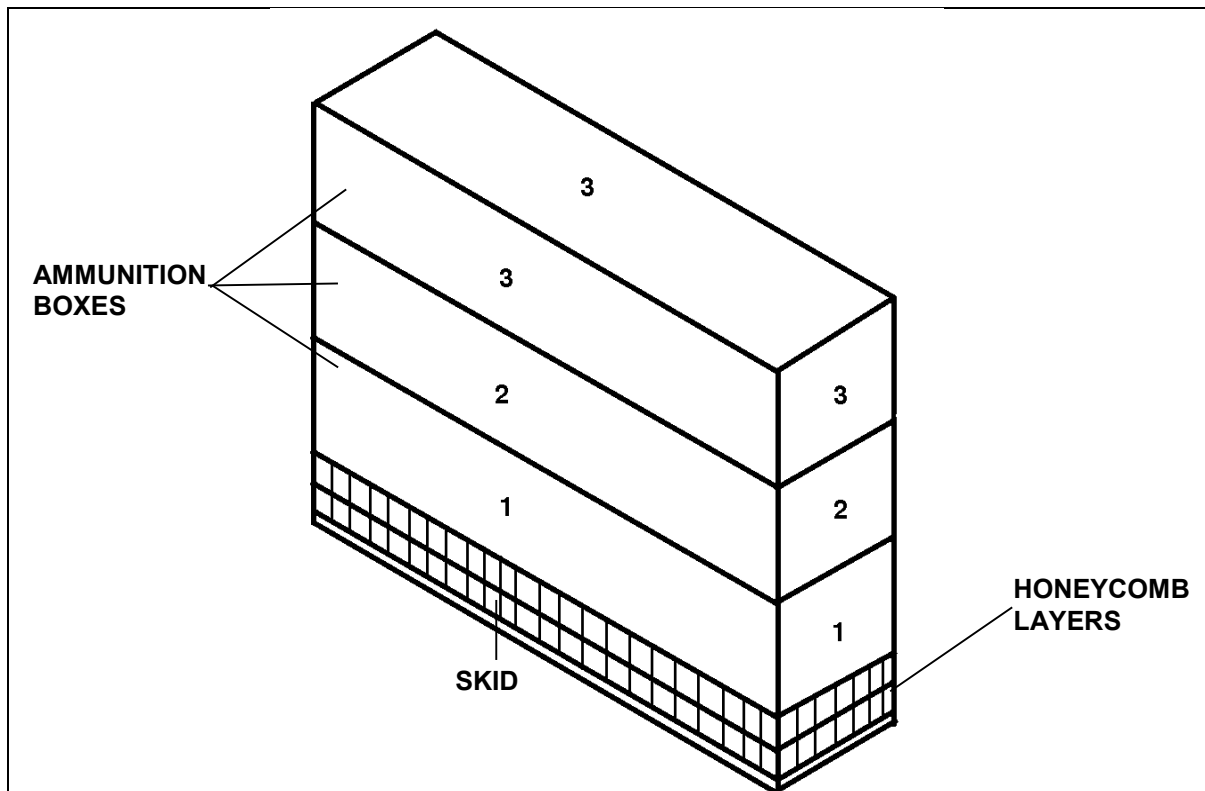


Figure 4-28. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop



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 (continued)

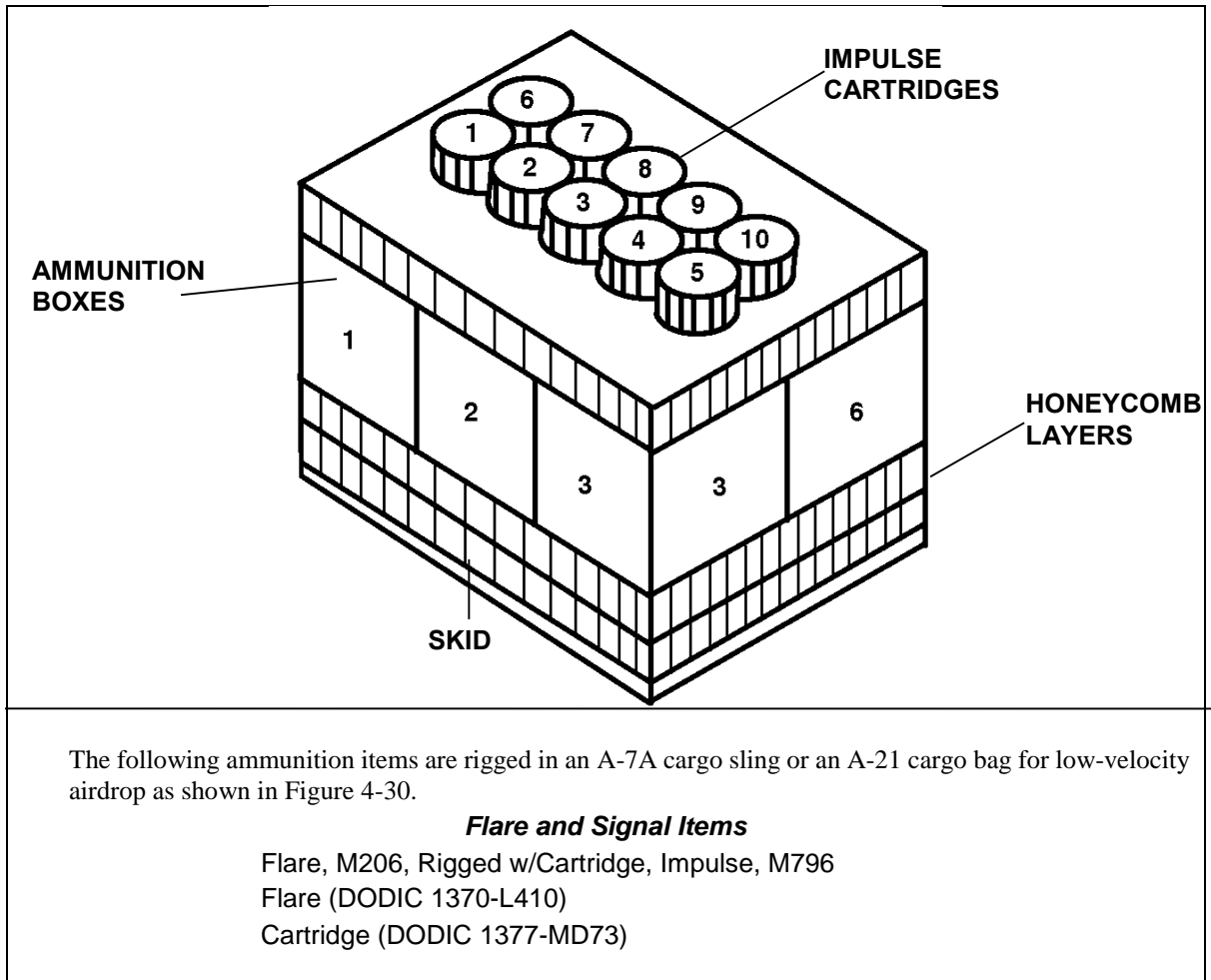
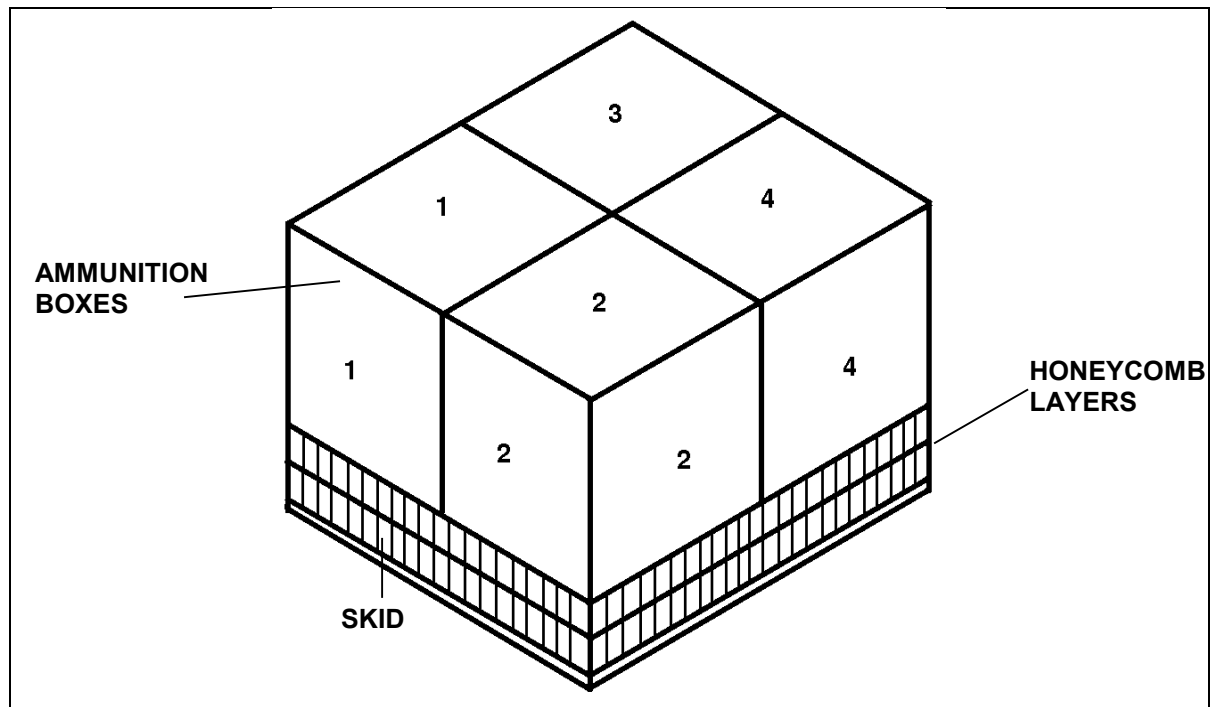


Figure 4-30. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop



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)

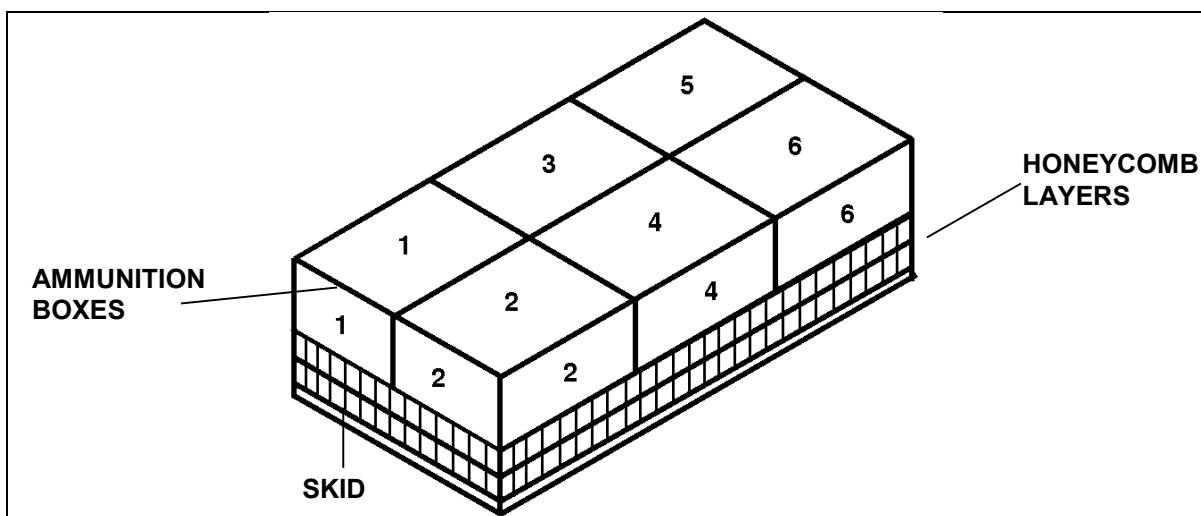
Cartridge, 60-mm, Illuminating, Infrared, M767, (DODIC 1310-BA04)

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)

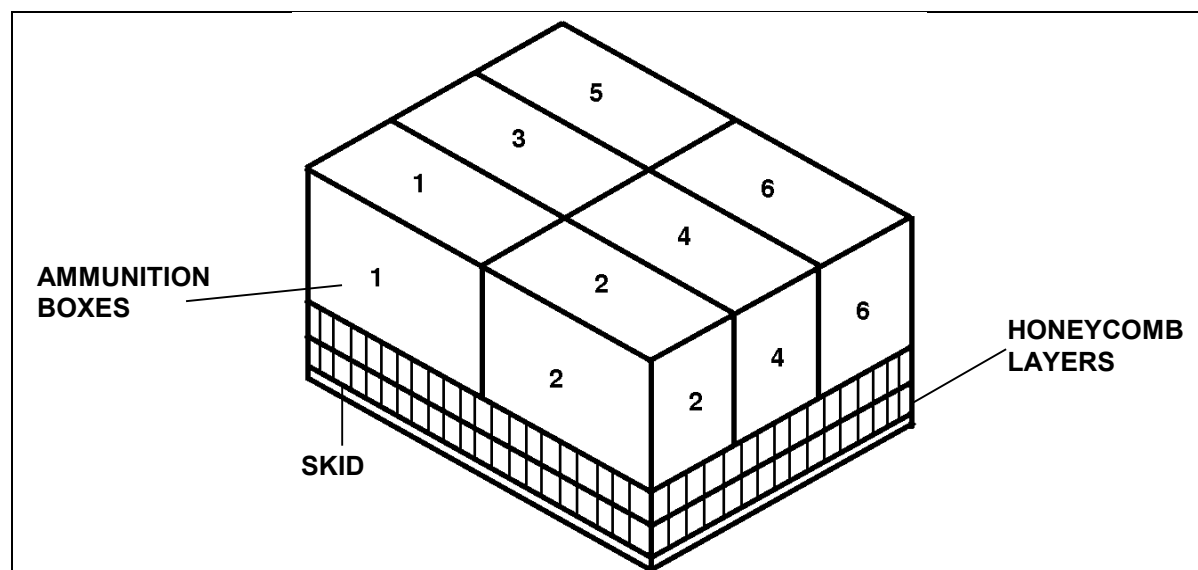
9-Millimeter Ammunition

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)



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

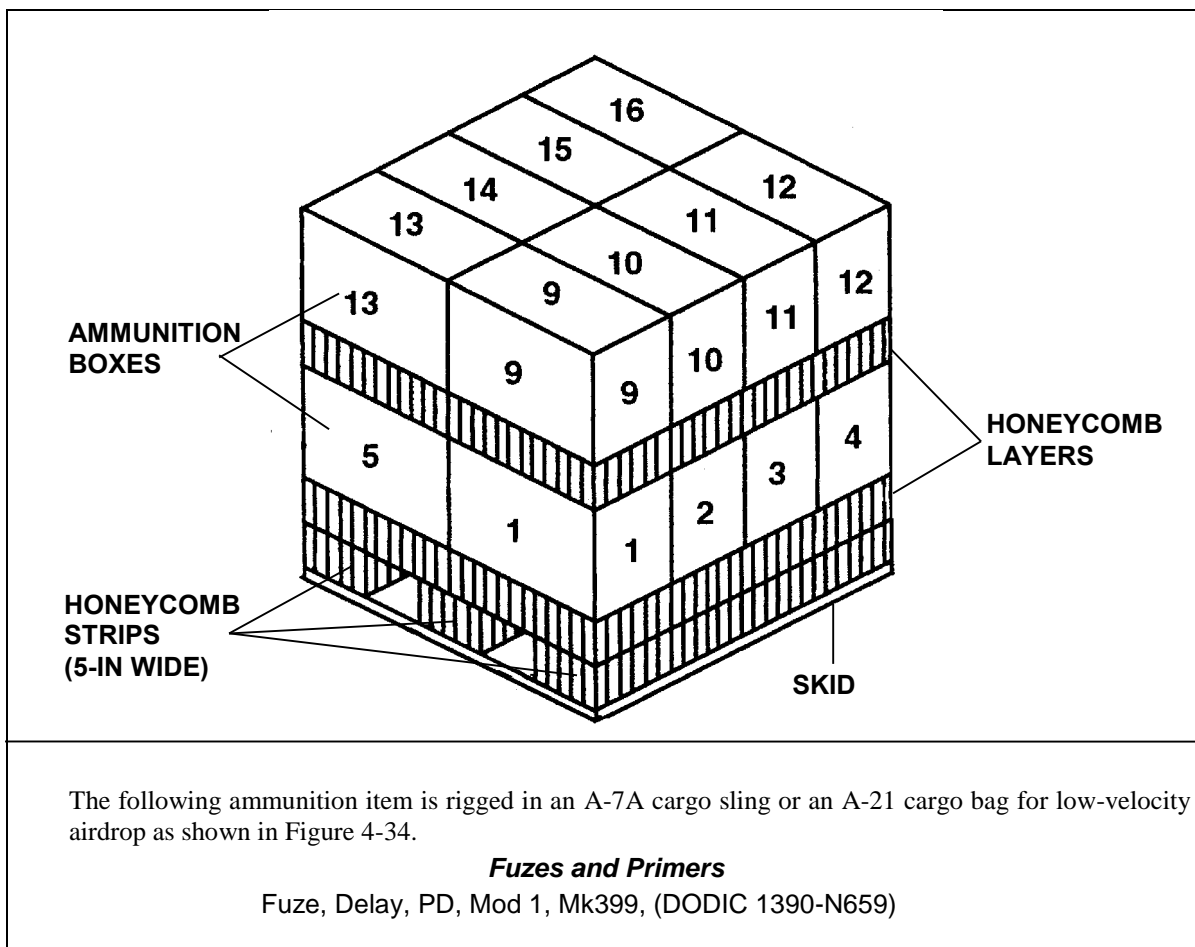


Figure 4-34. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

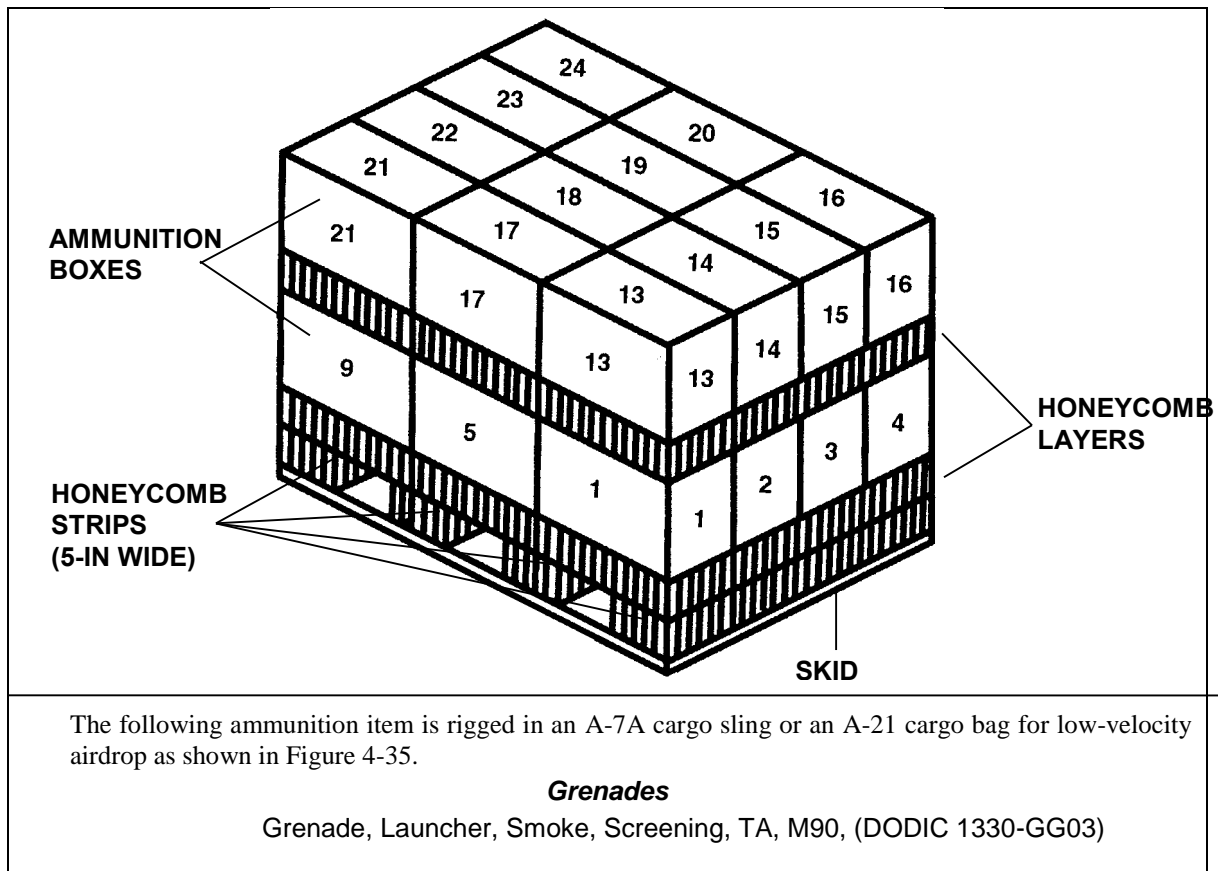


Figure 4-35. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

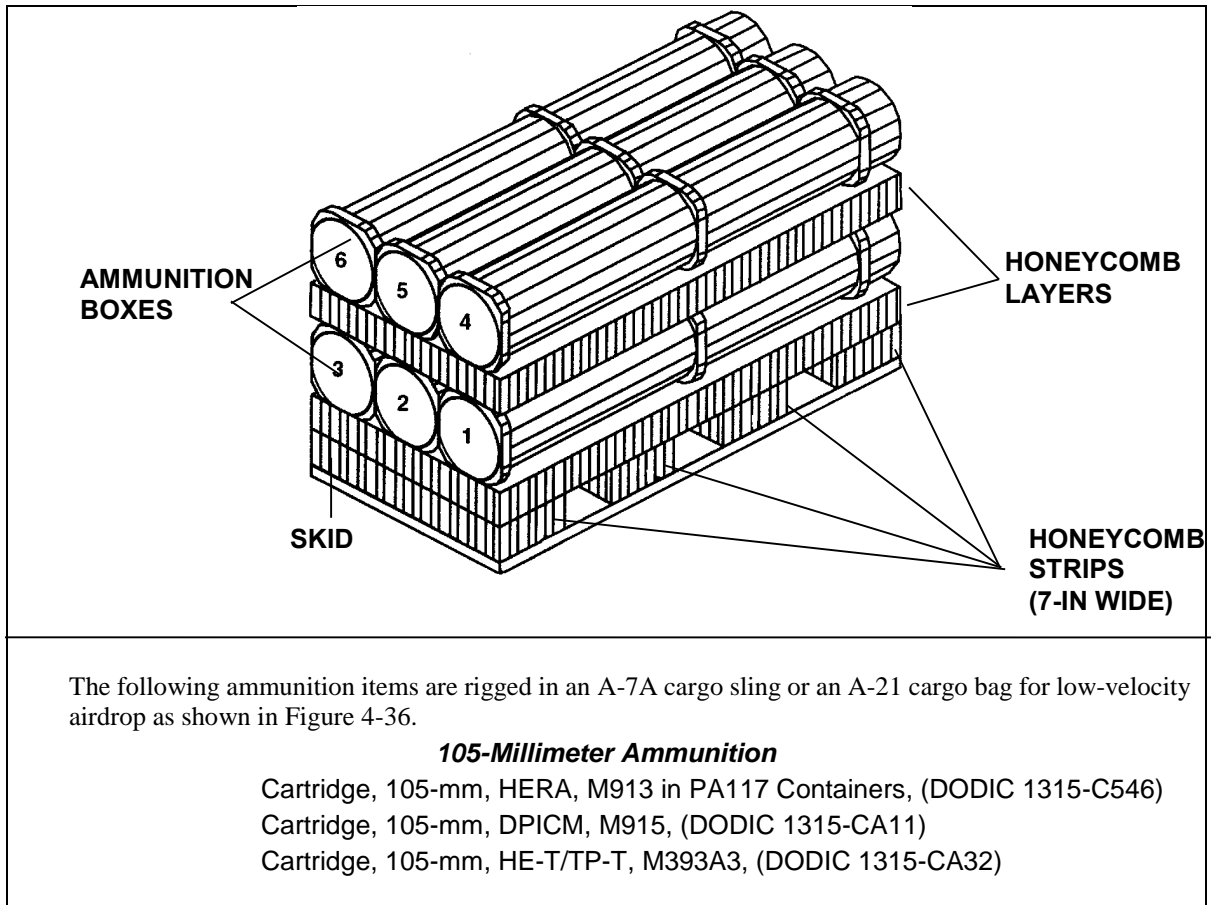


Figure 4-36. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

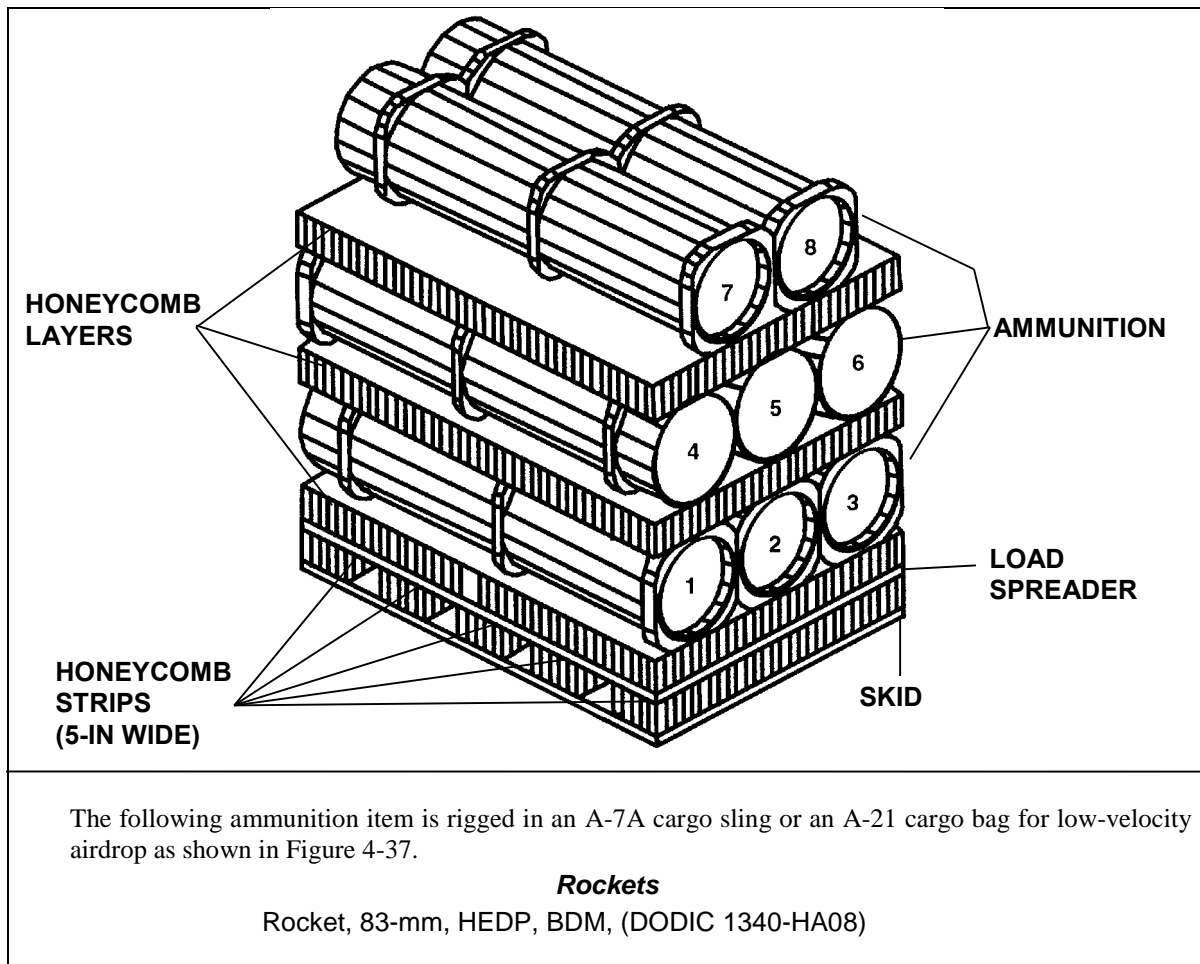


Figure 4-37. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

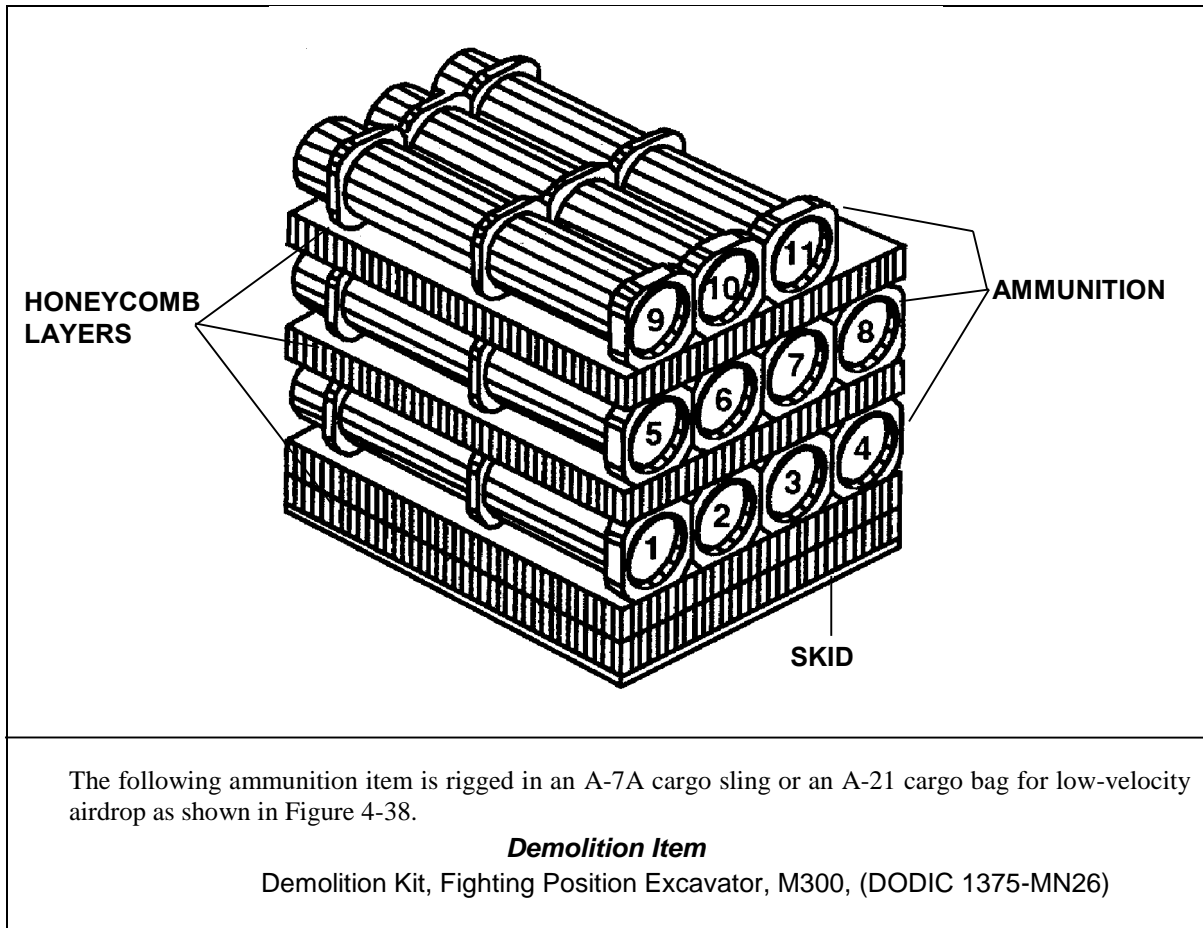


Figure 4-38. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

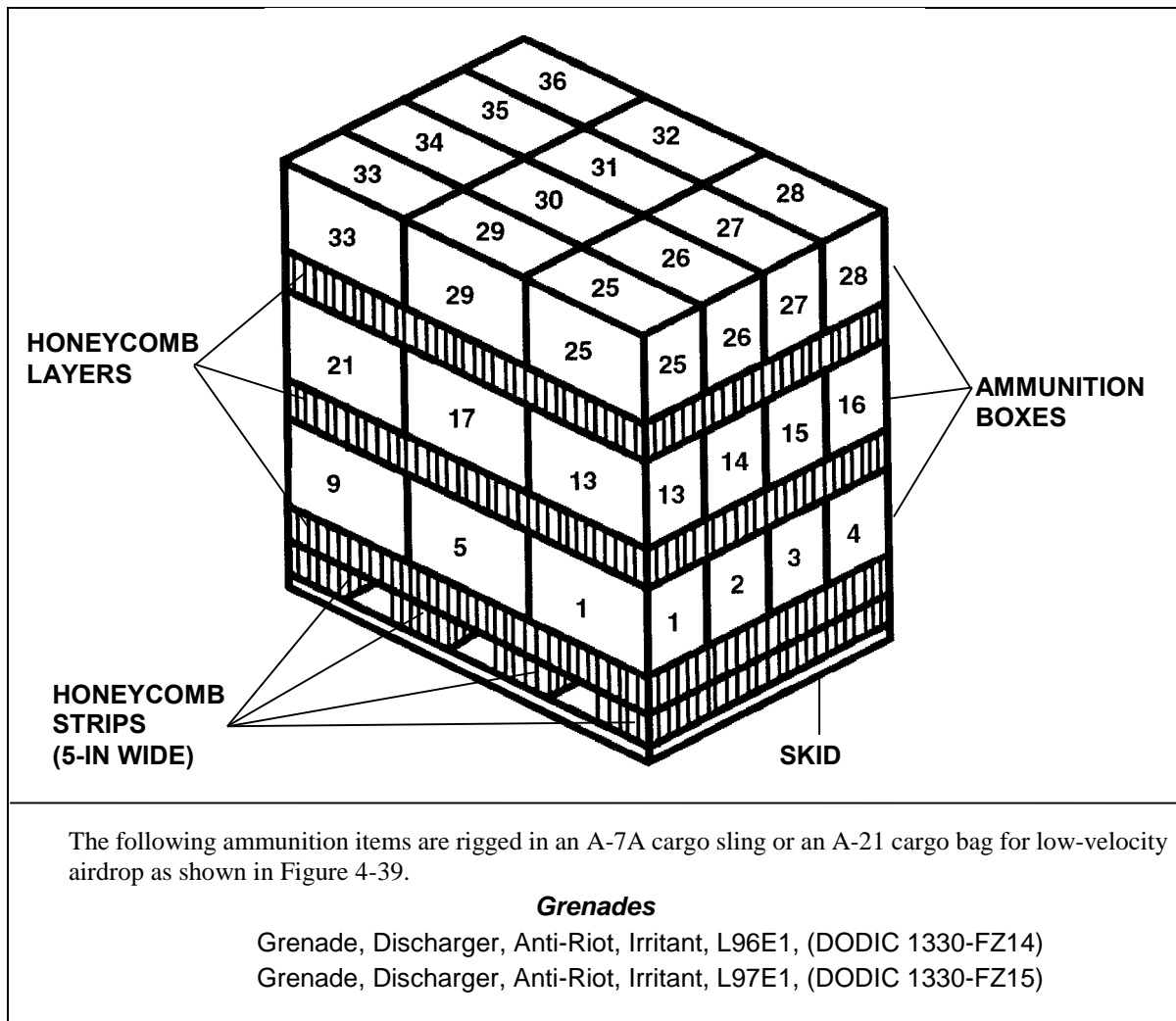


Figure 4-39. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

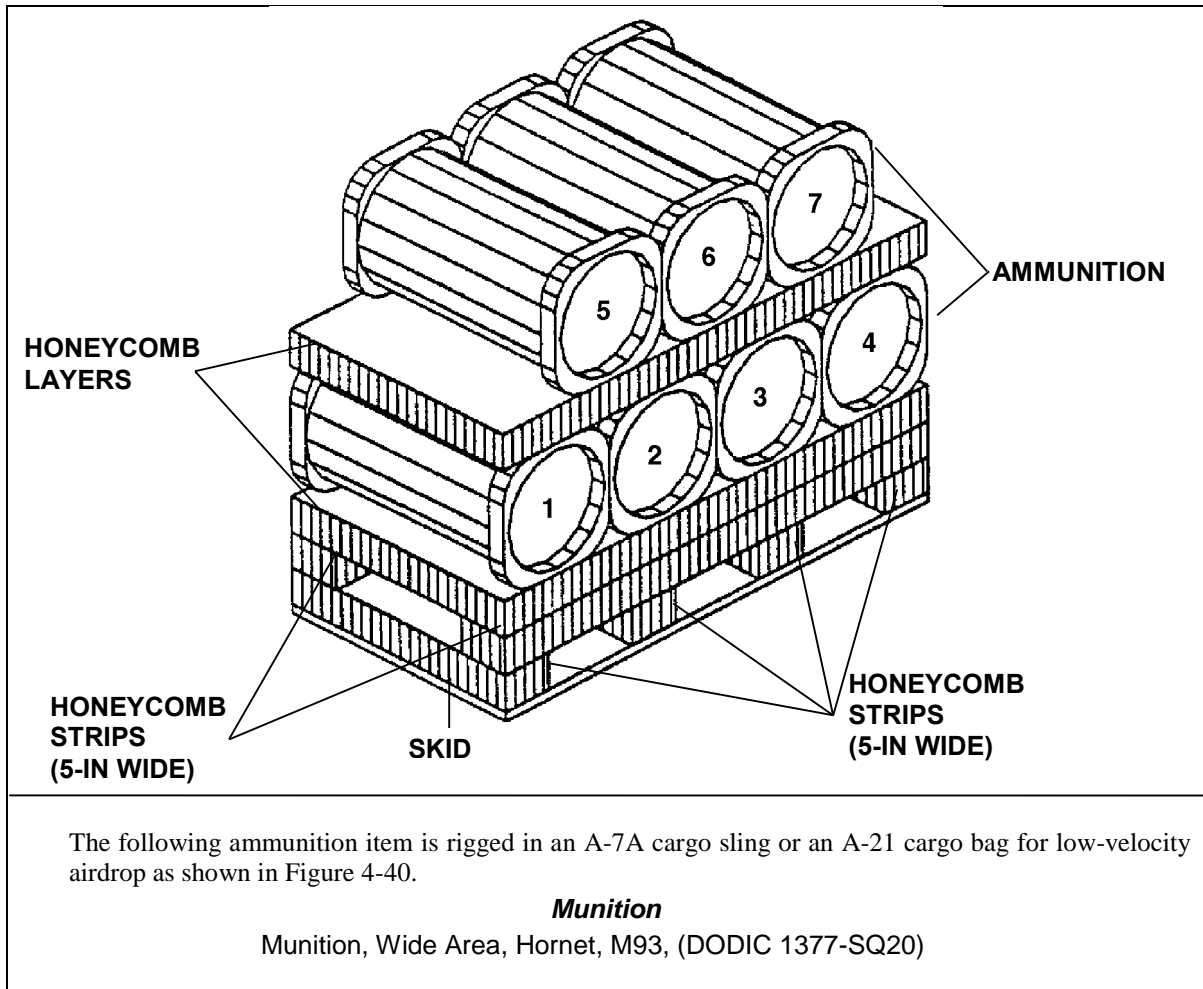


Figure 4-40. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

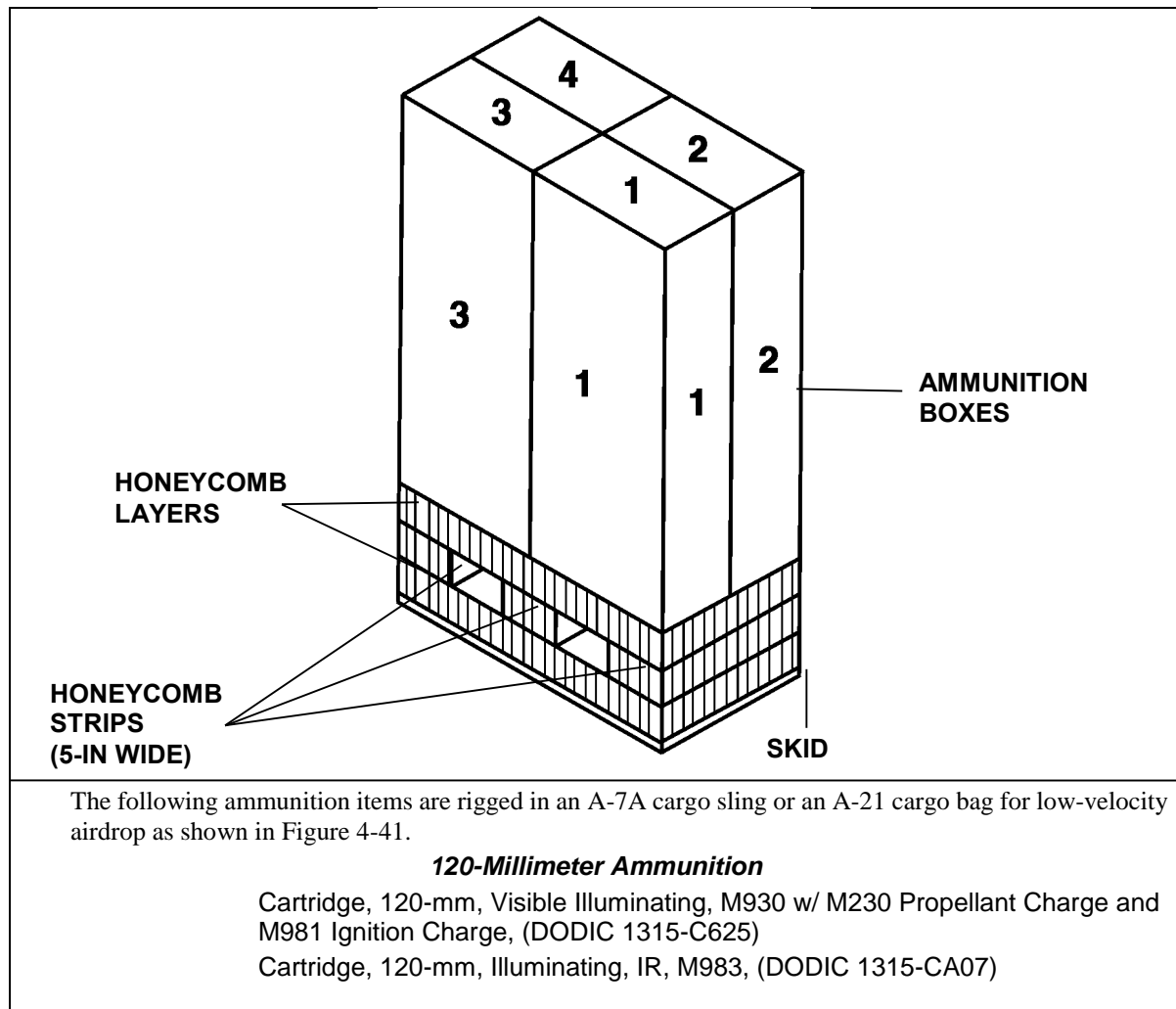


Figure 4-41. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

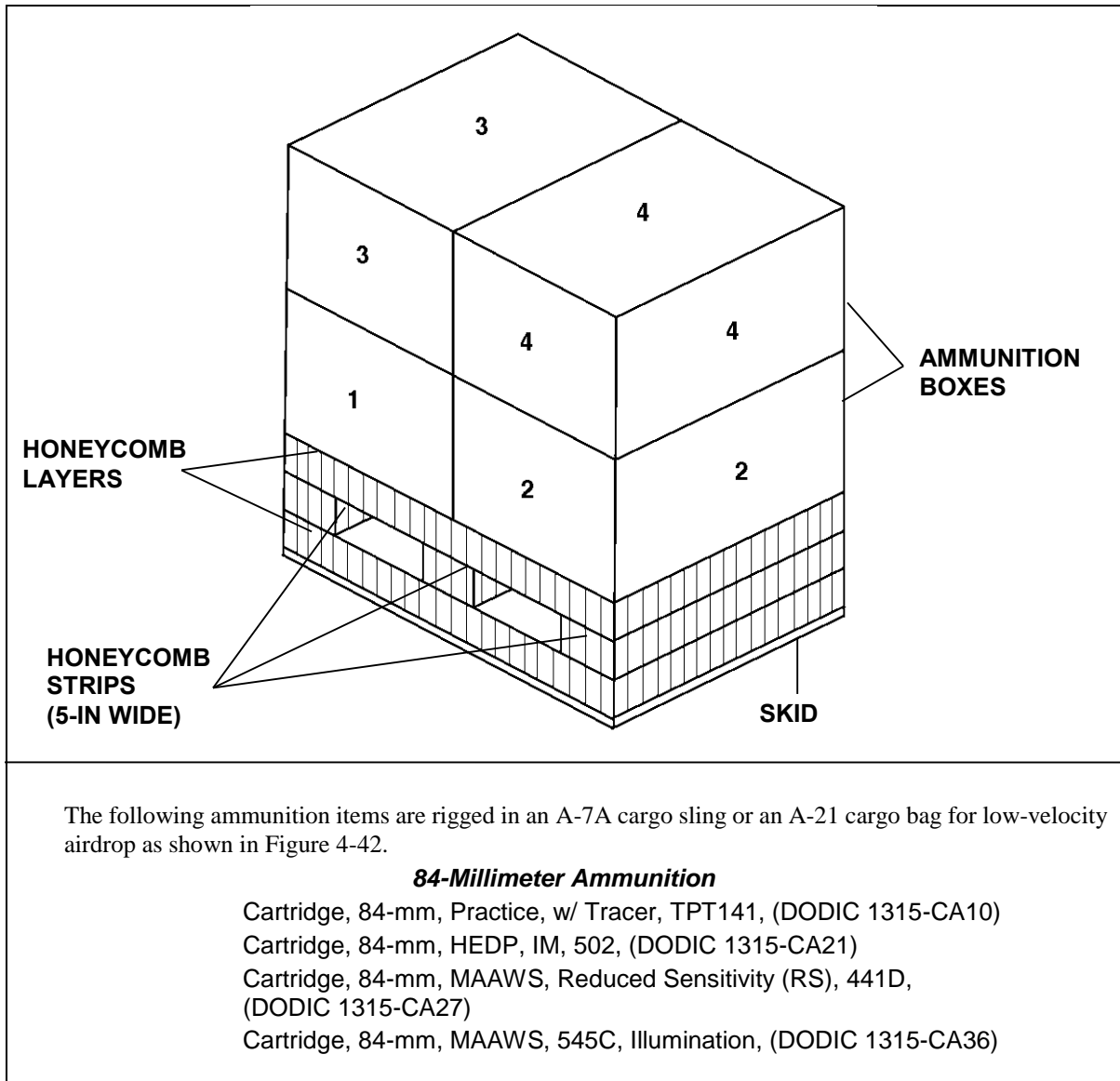


Figure 4-42. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

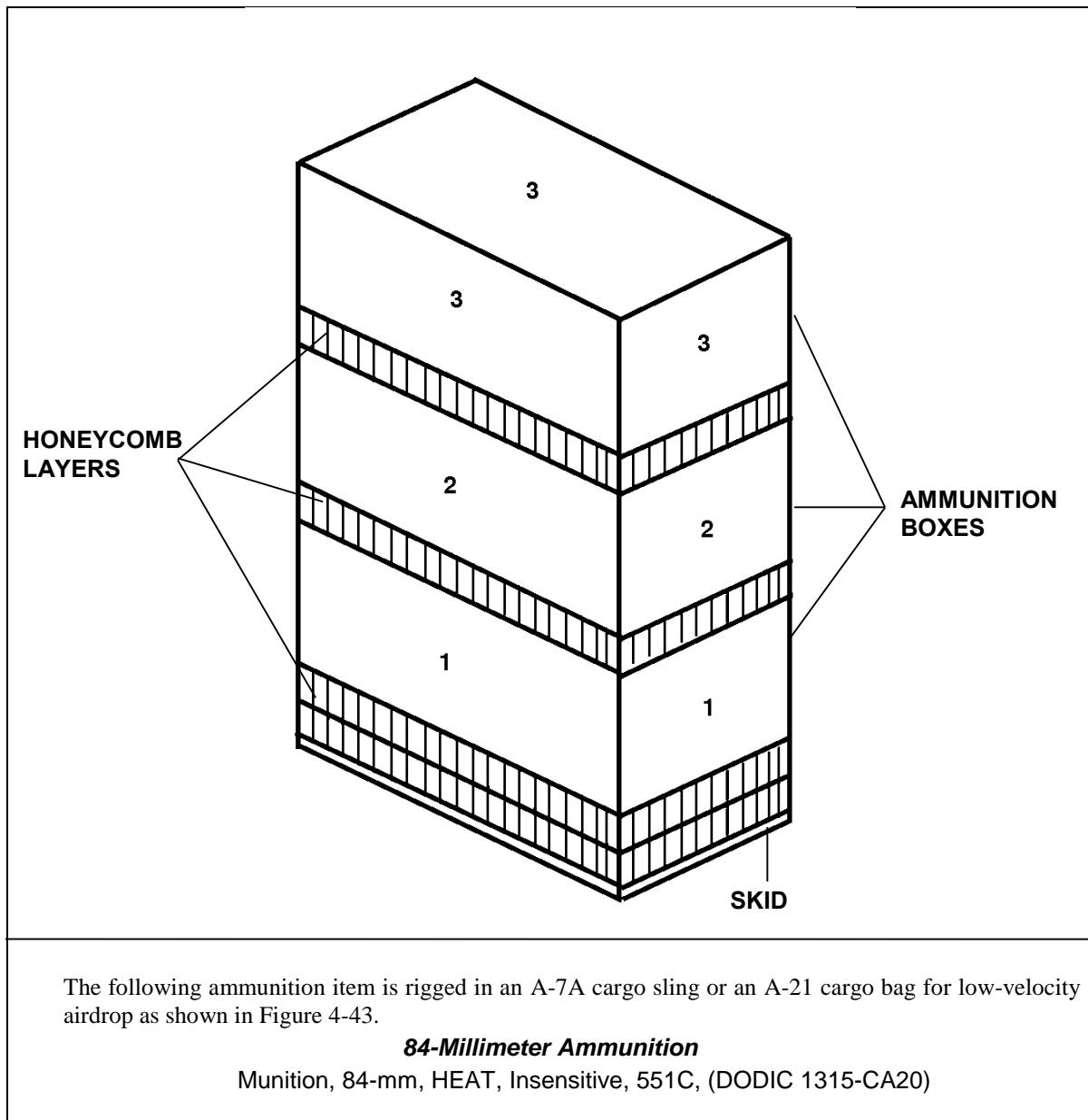


Figure 4-43. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

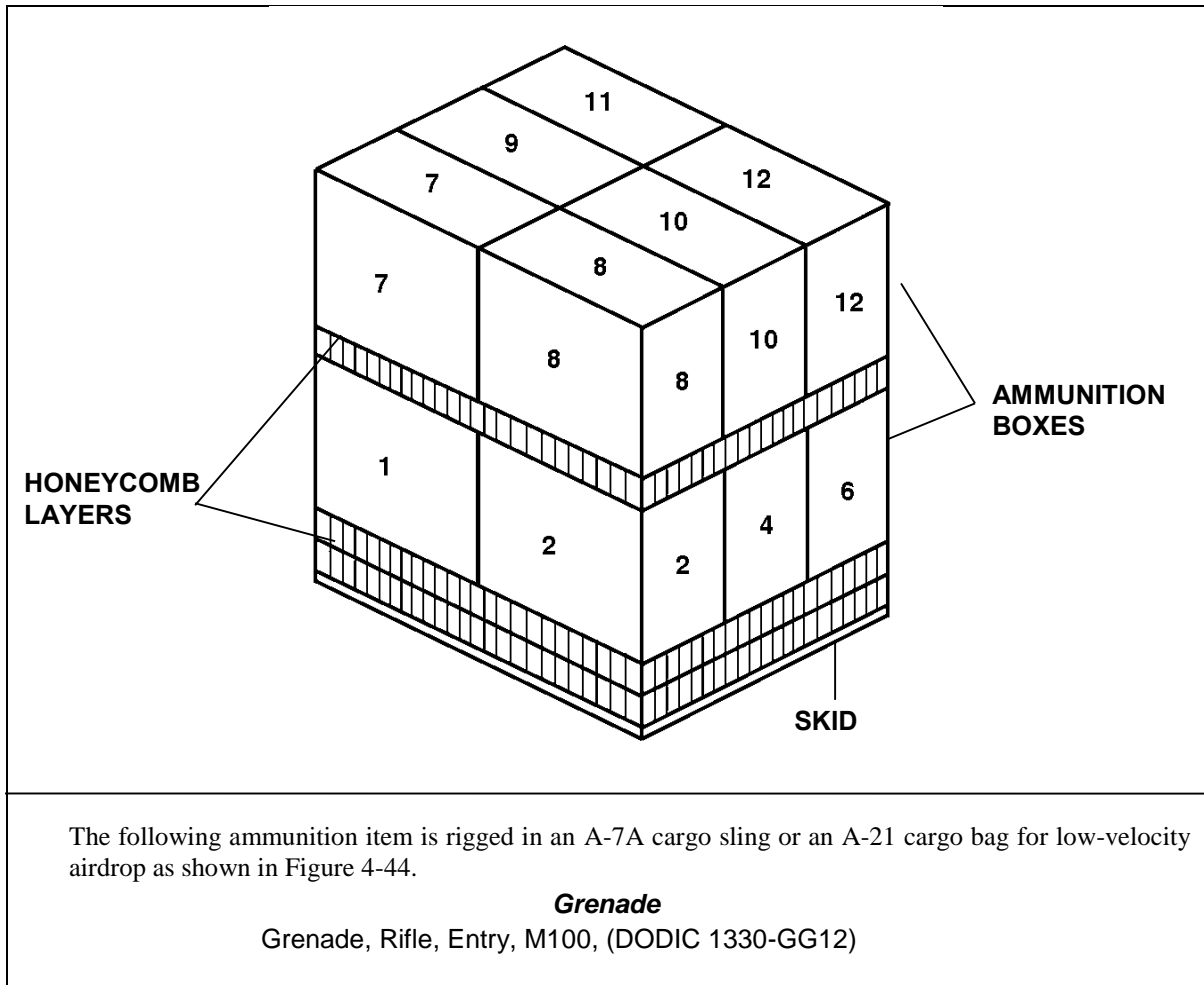


Figure 4-44. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

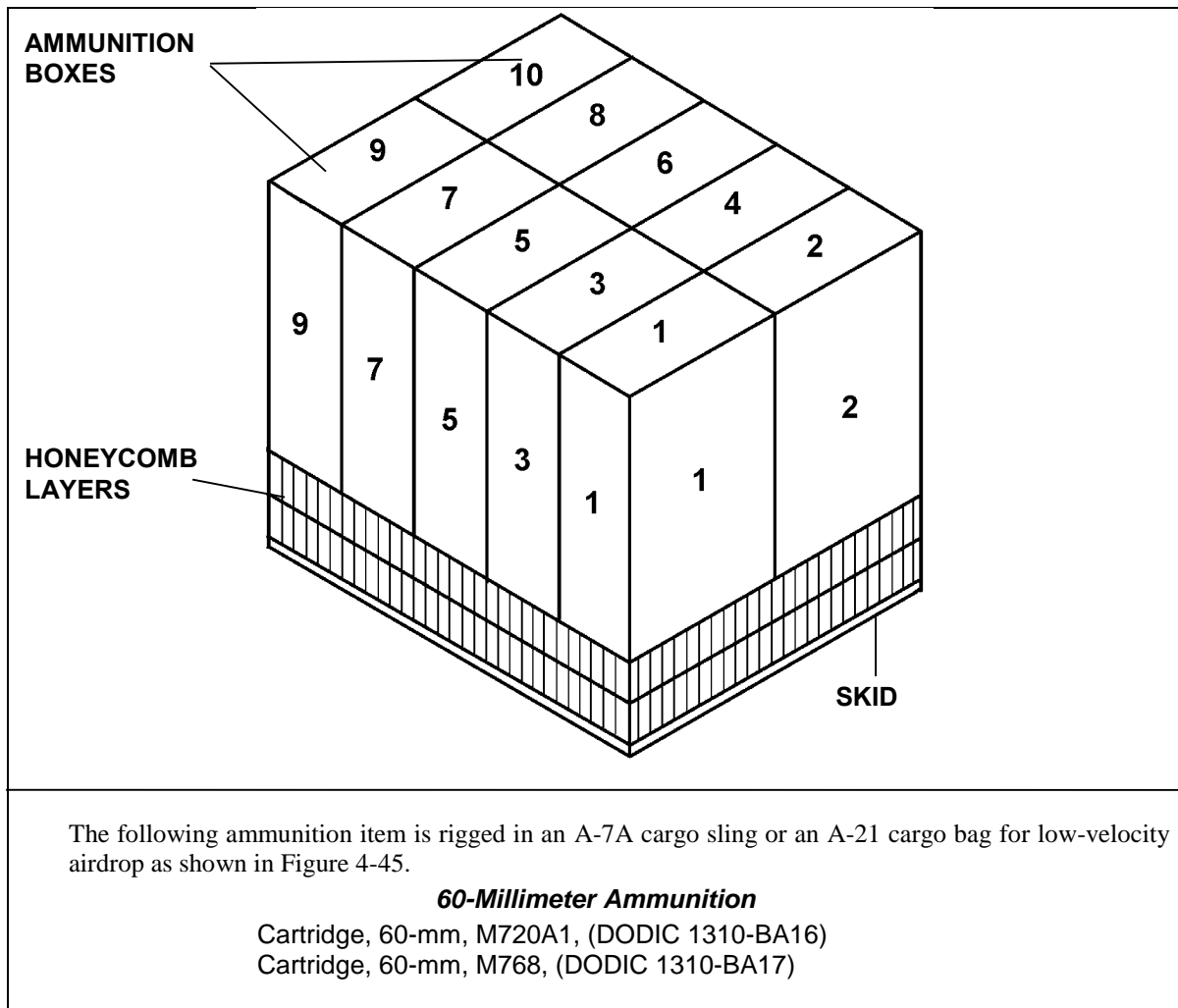


Figure 4-45. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for low-velocity airdrop

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 TM 4-48.03/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 Figures 5-1 through 5-55 in this chapter.
- The A-7A cargo sling and the A-21 cargo bag dimension limits are listed in TM 4-48.03/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 TM 4-48.03/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 TM 4-48.03/MCRP 4-11.3C/TO 13C7-1-11.

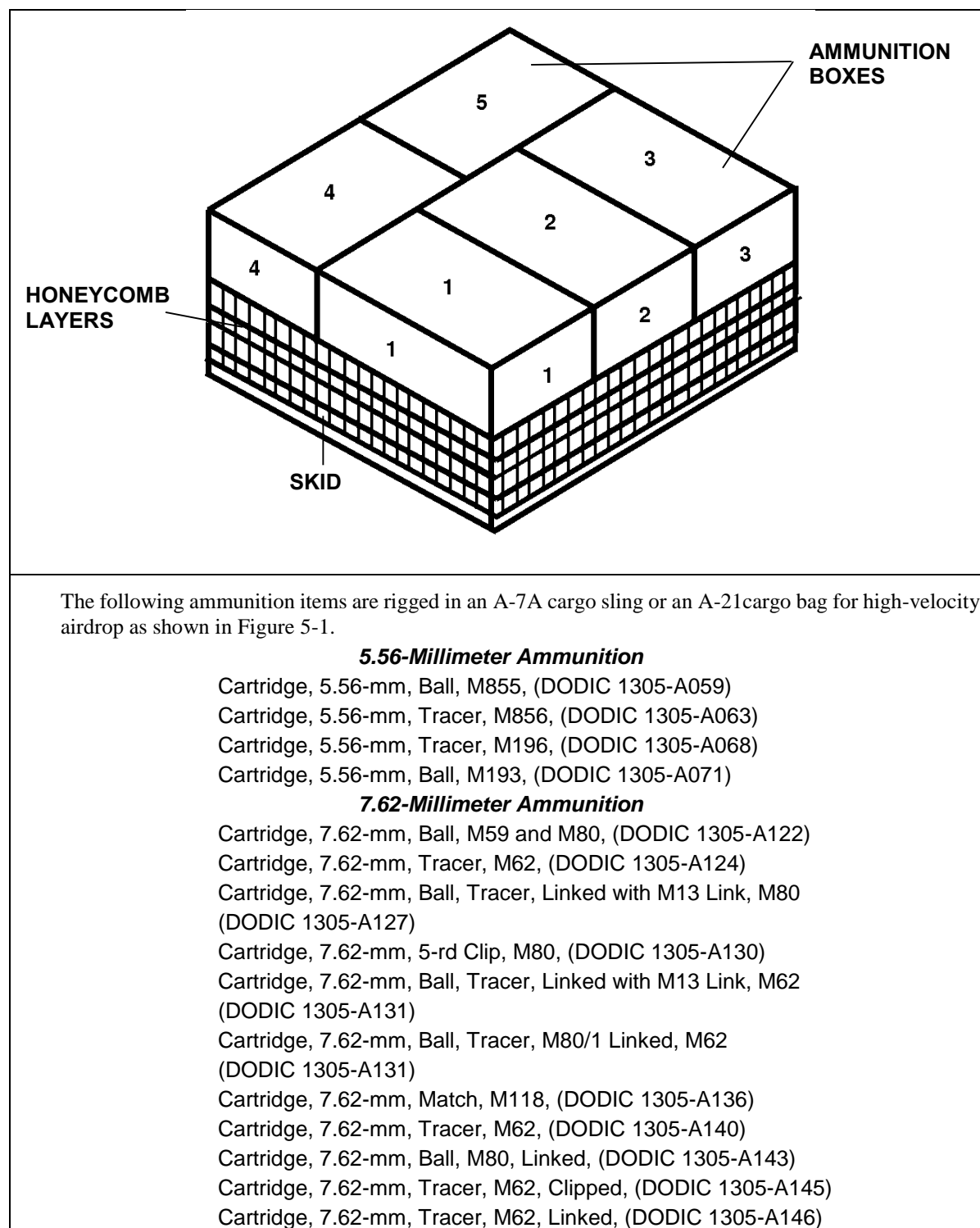


Figure 5-1. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

.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 Lowlight, 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)

Figure 5-1 Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop (continued)

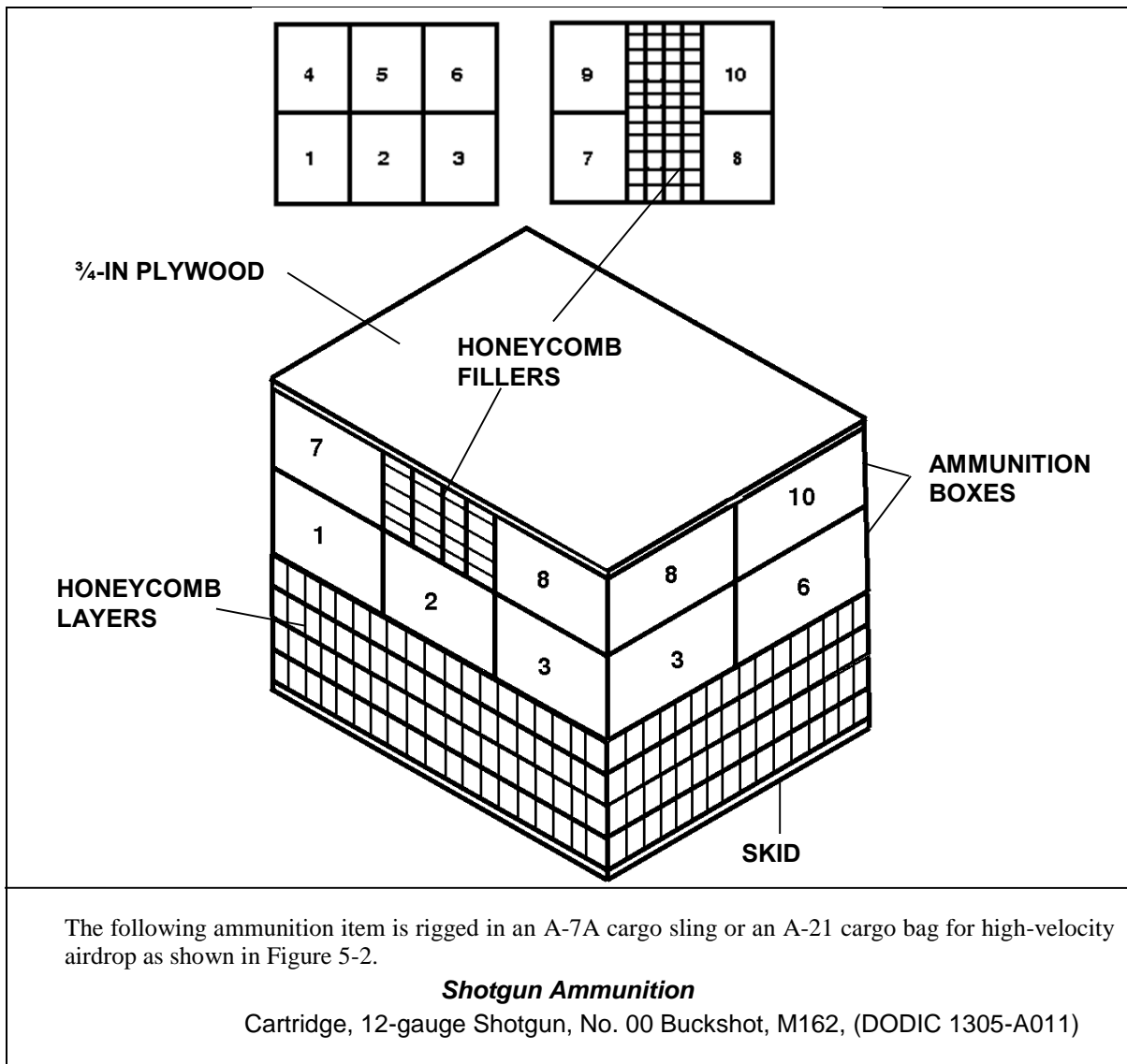


Figure 5-2. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

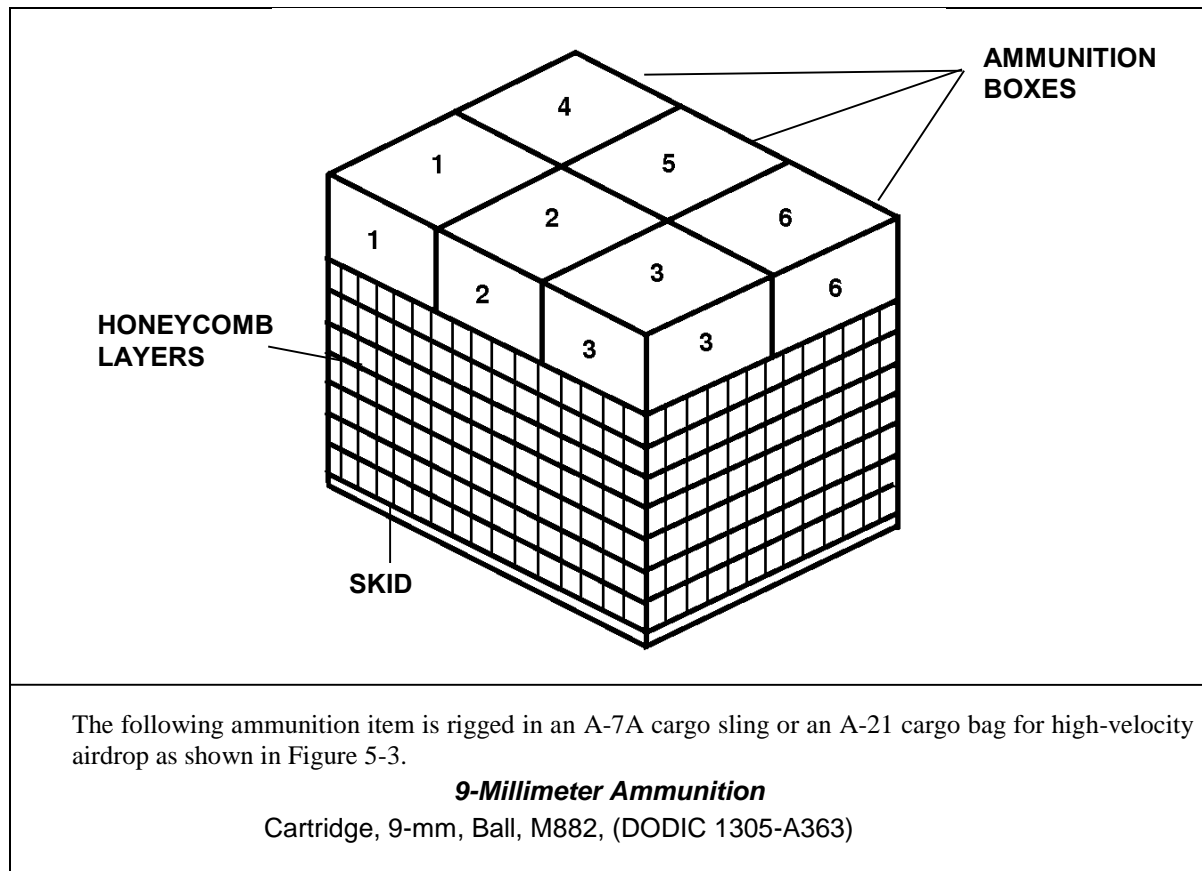
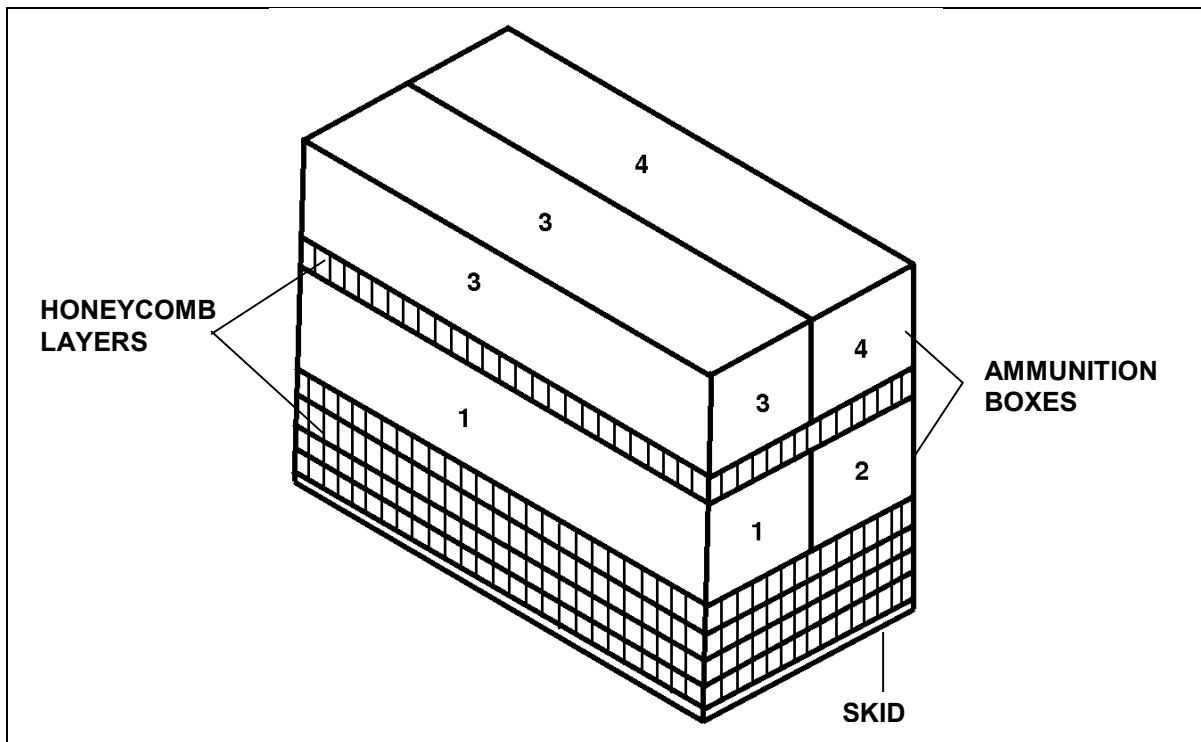


Figure 5-3. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop



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-M43A2, Red, (DODIC 1370-L231)

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

Demolition Items

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

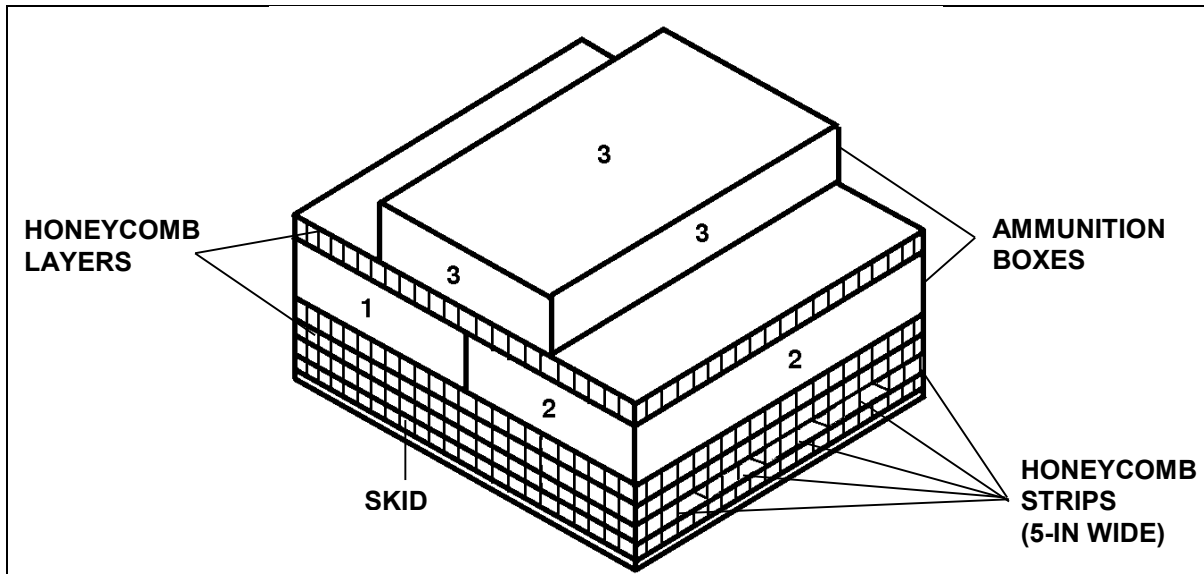
Charge, Demolition, Roll Type, M186, (DODIC 1375-M060)

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) (continued)

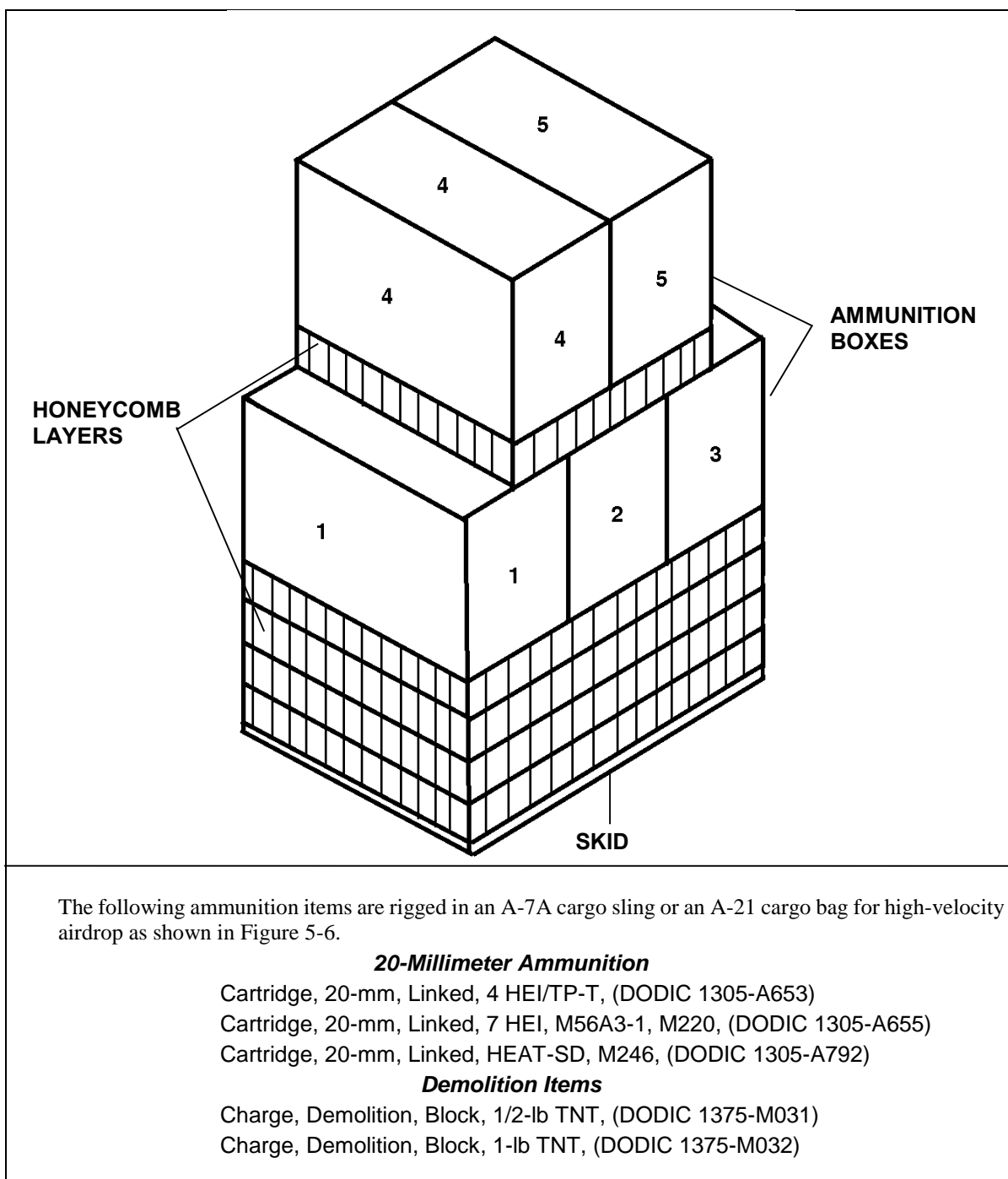


Figure 5-6. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

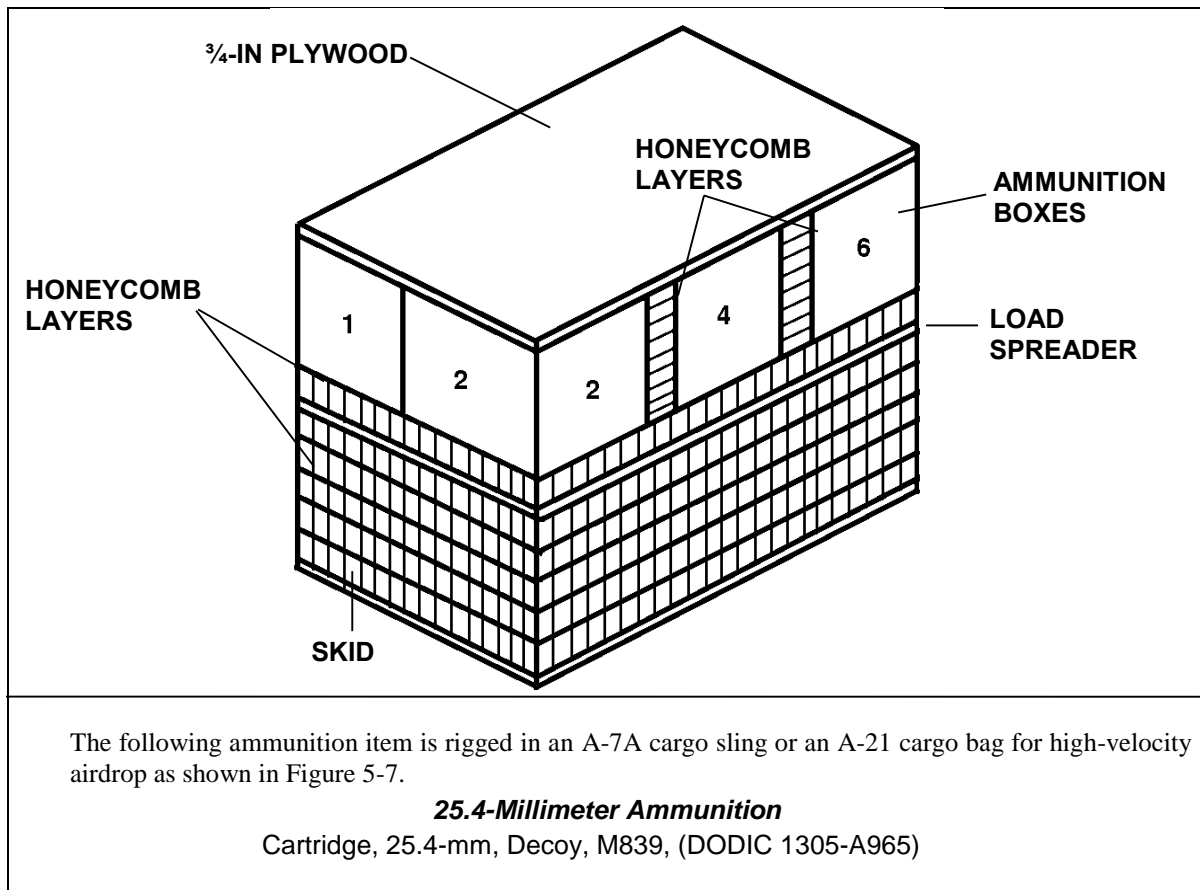


Figure 5-7. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

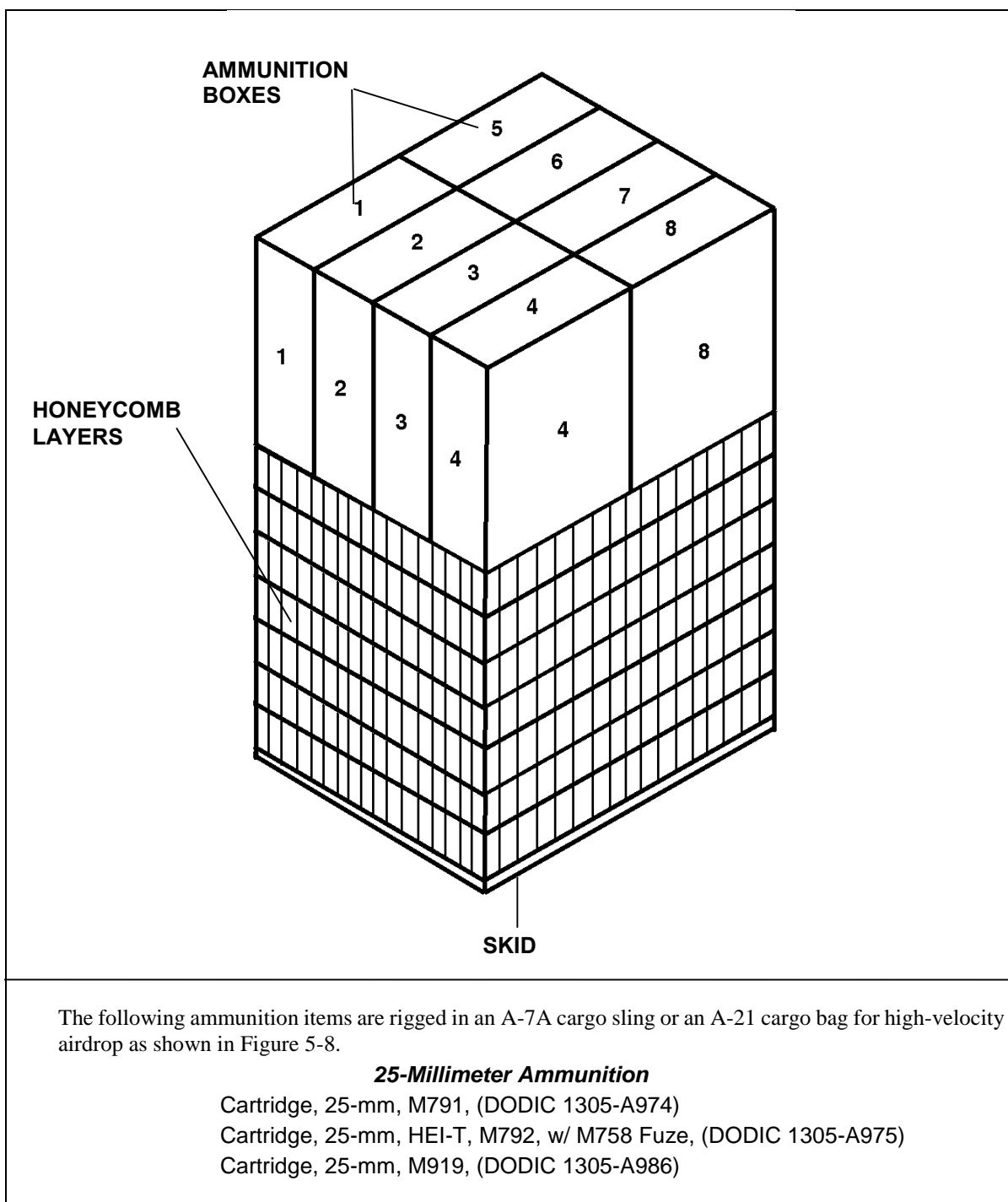


Figure 5-8. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

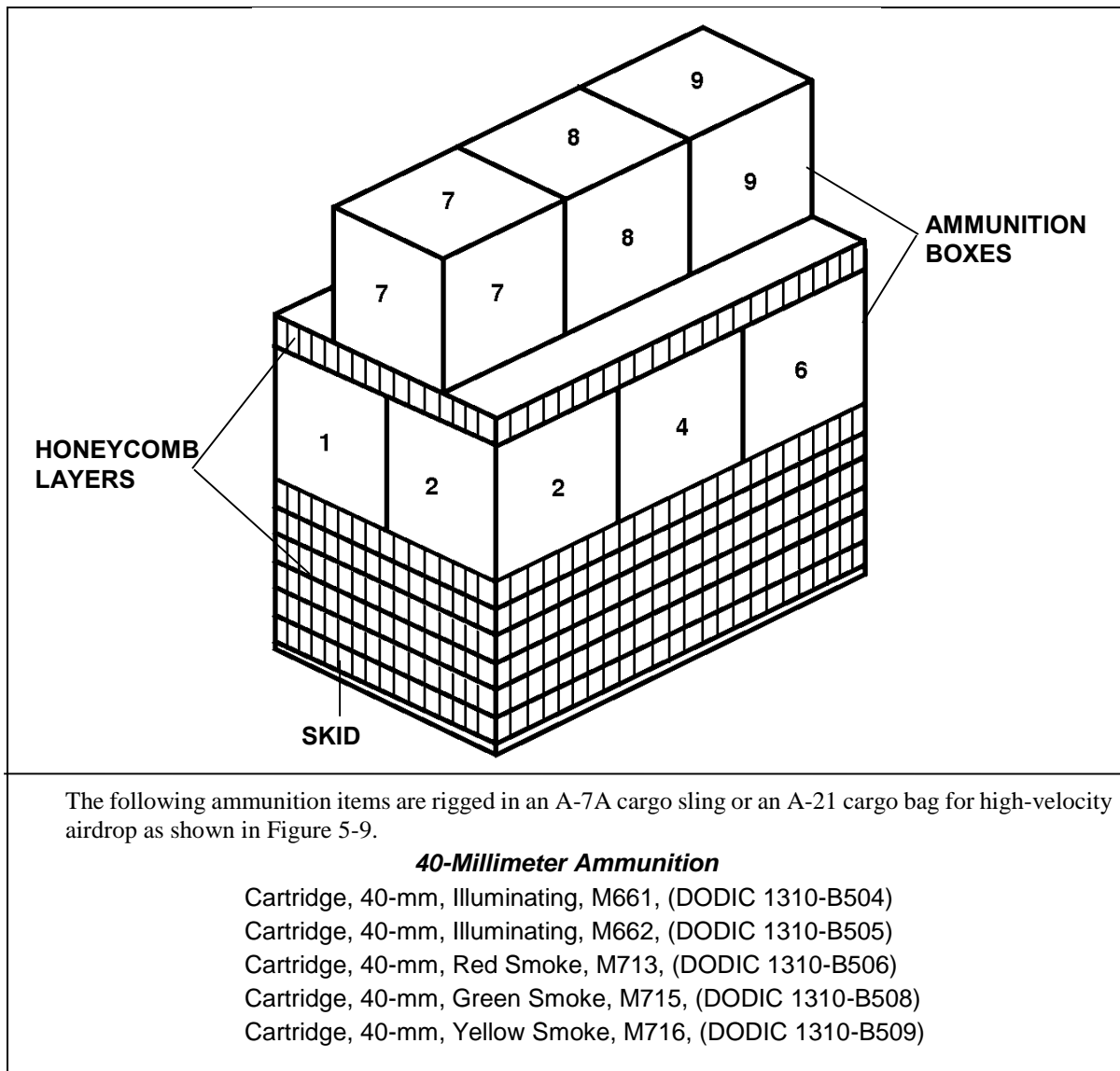
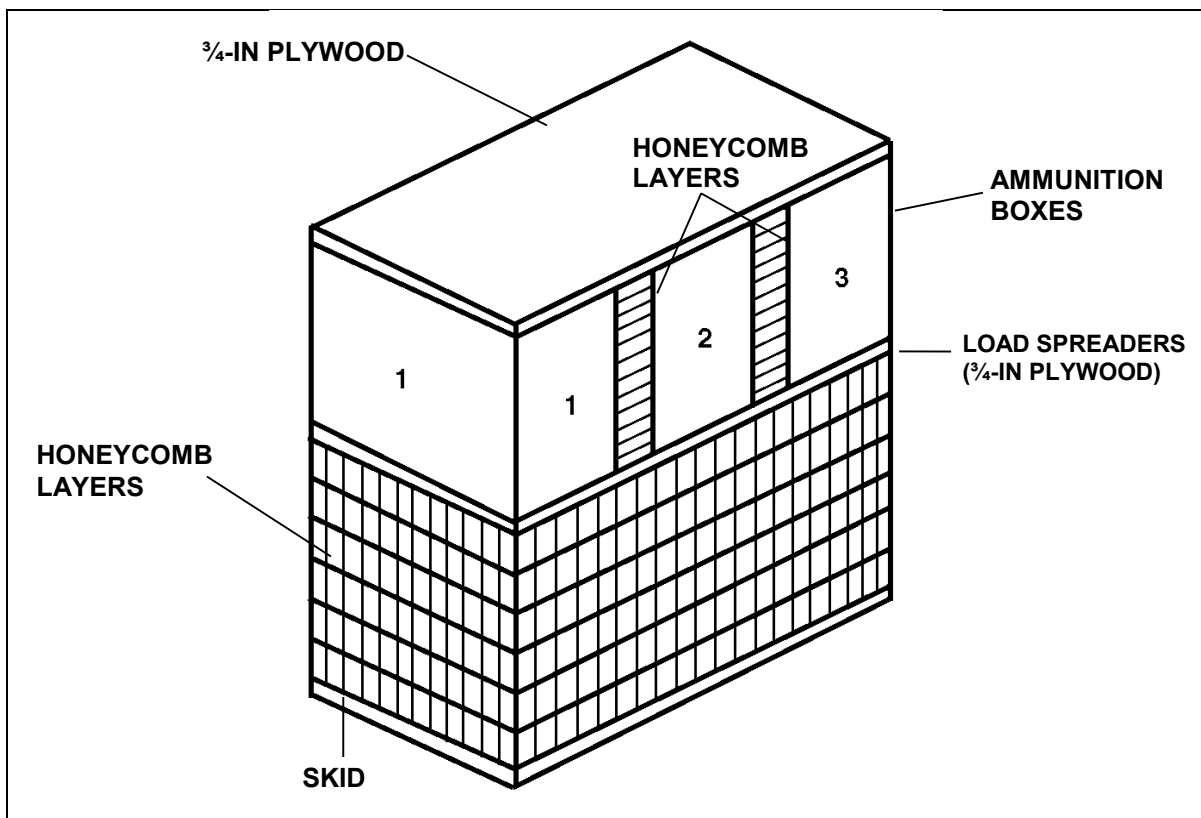


Figure 5-9. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop



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

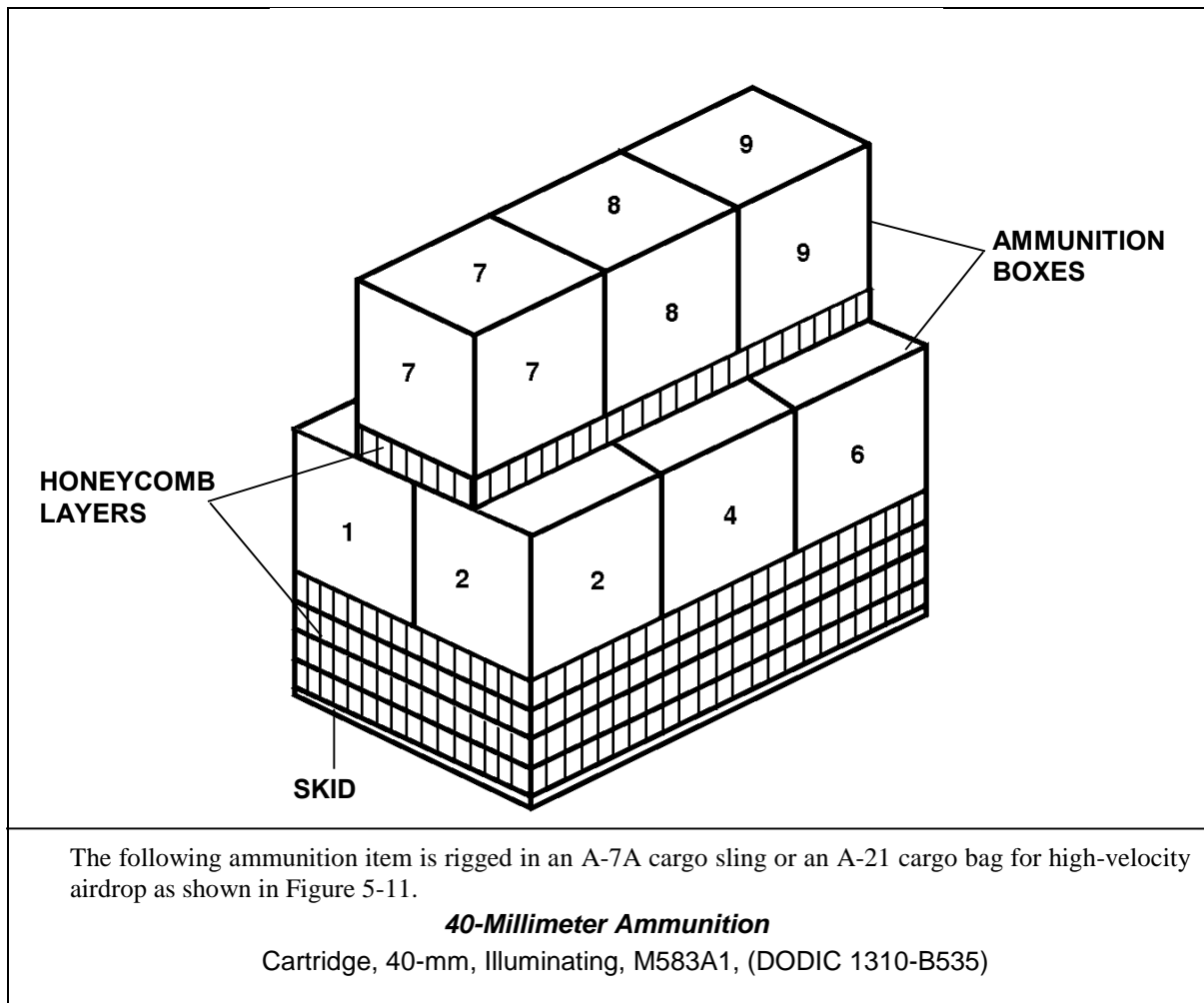


Figure 5-11. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

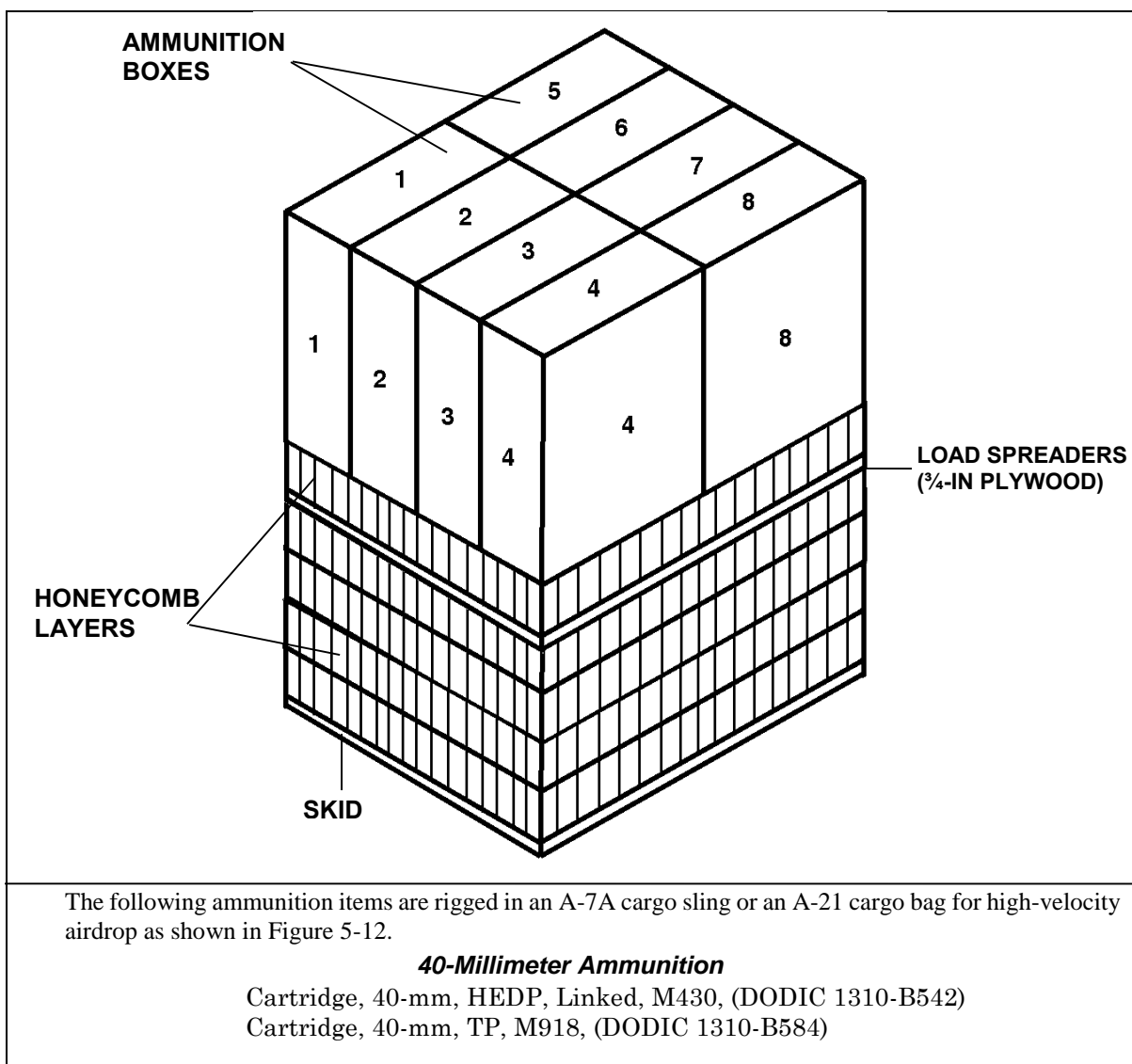


Figure 5-12. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

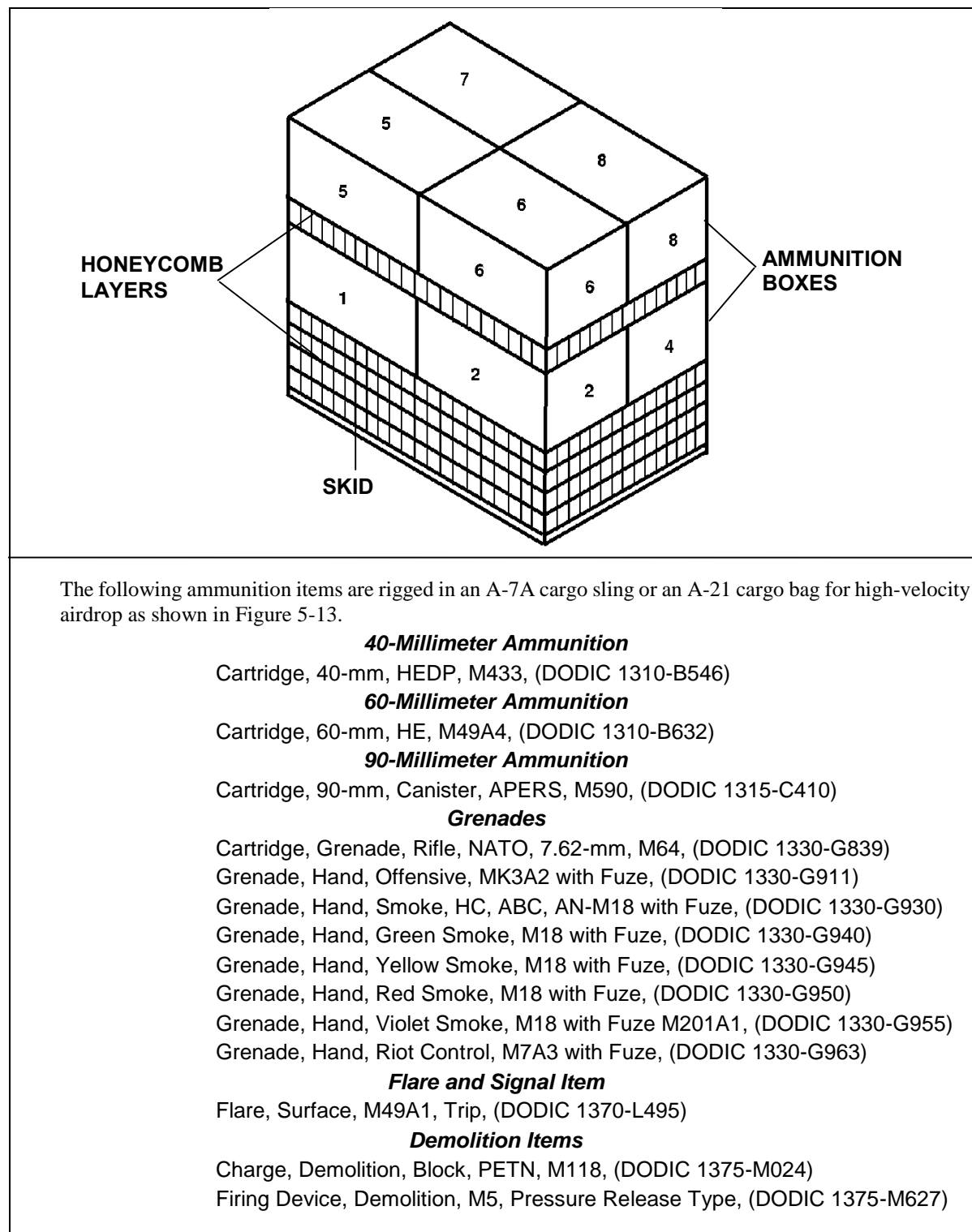


Figure 5-13. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

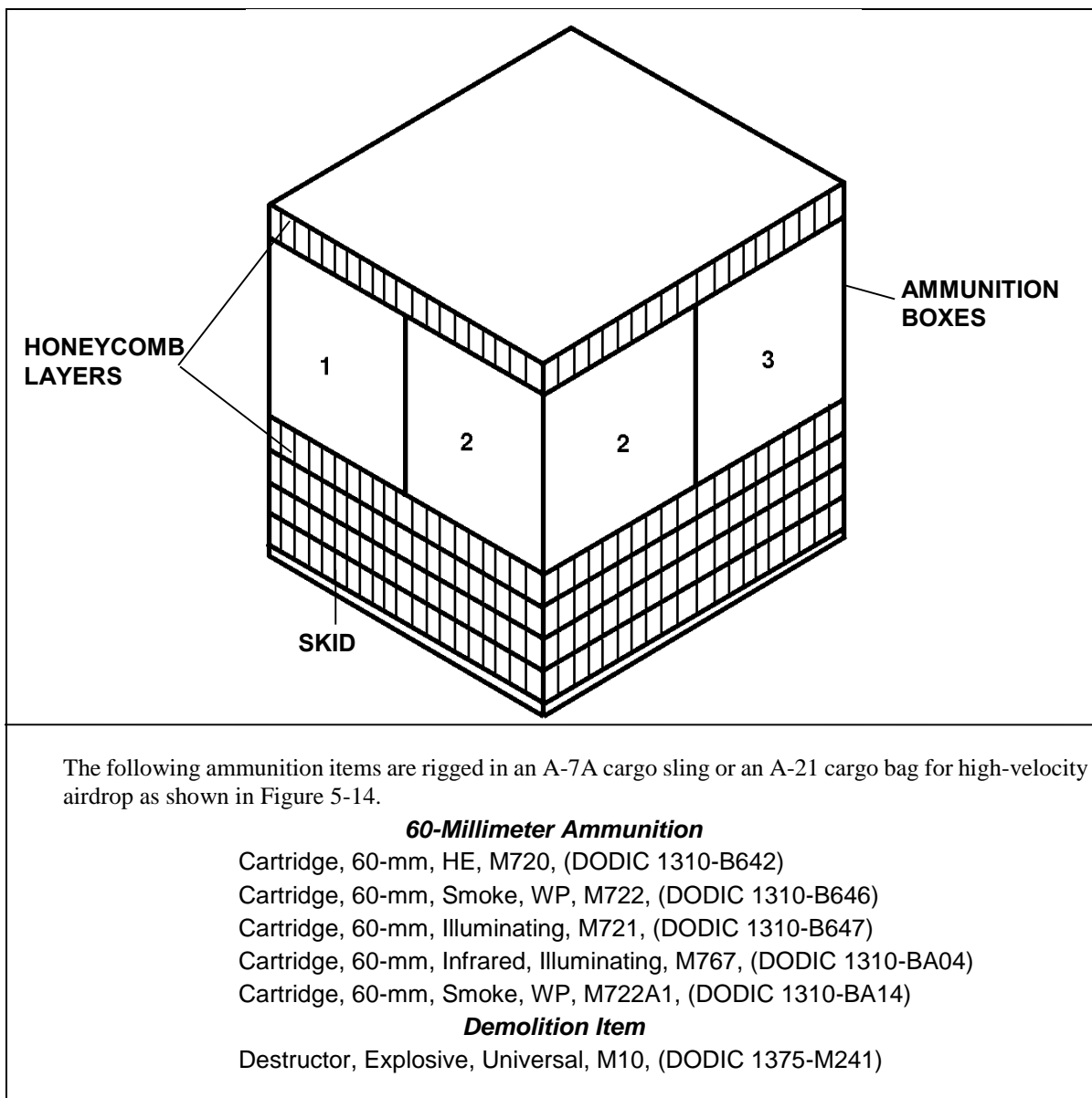
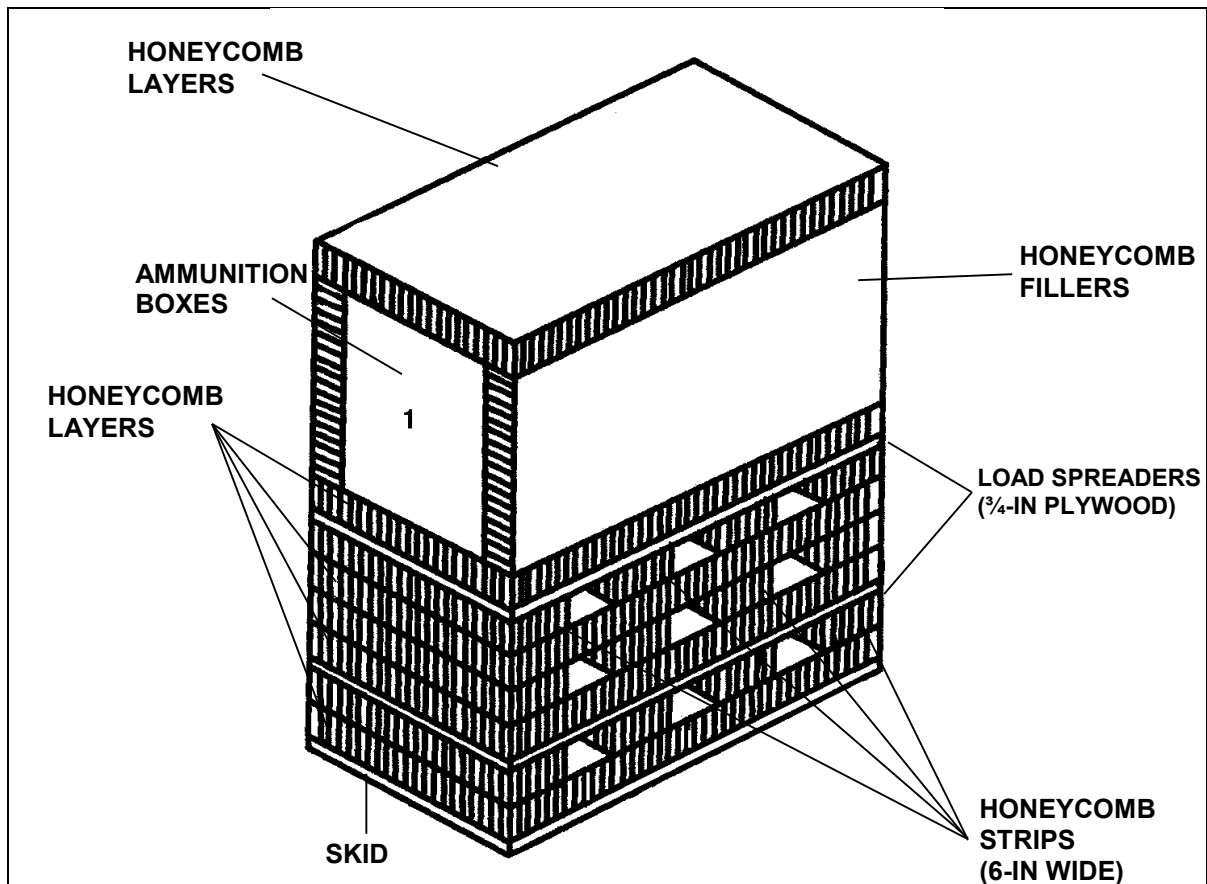


Figure 5-14. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop



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

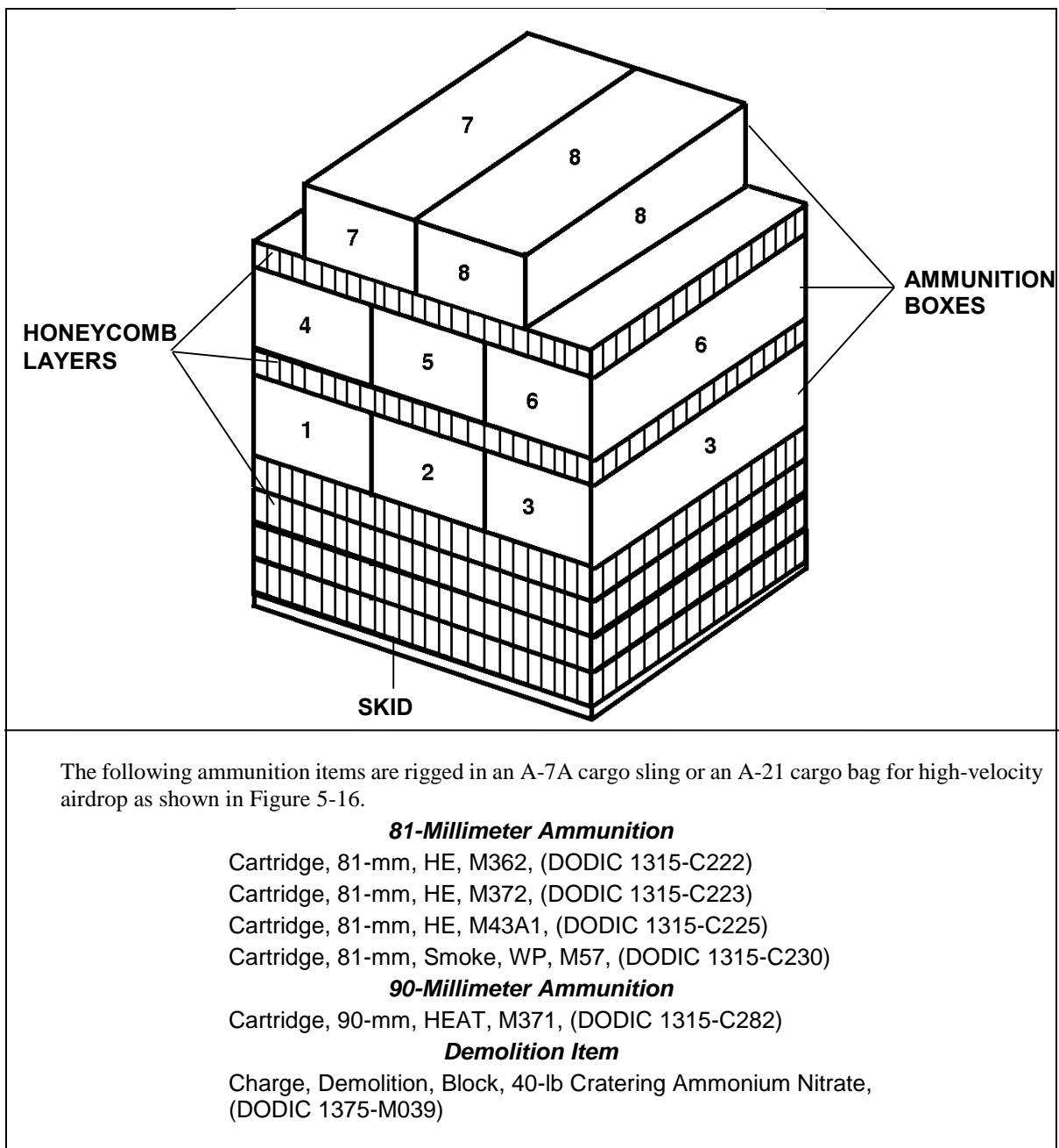


Figure 5-16. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

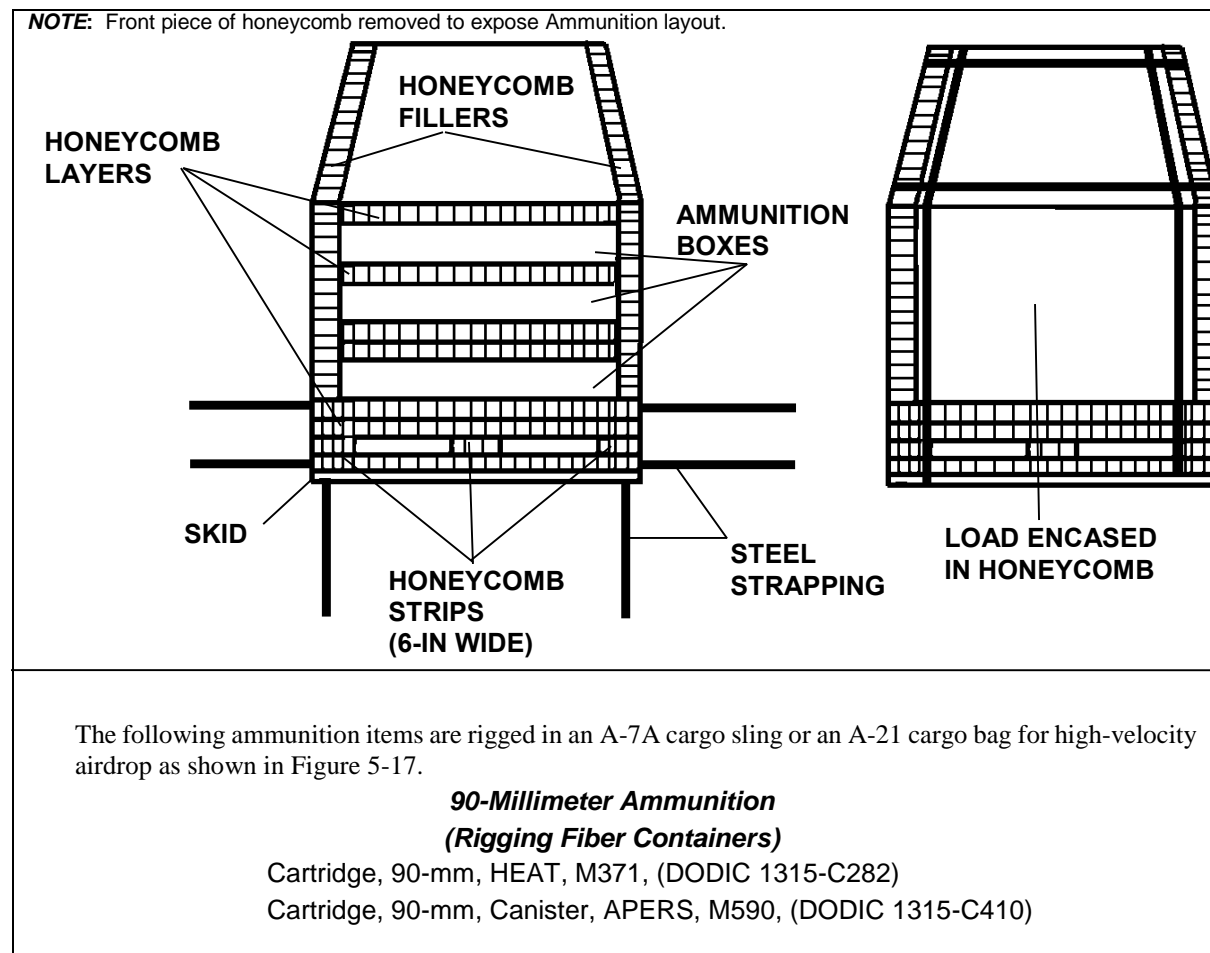
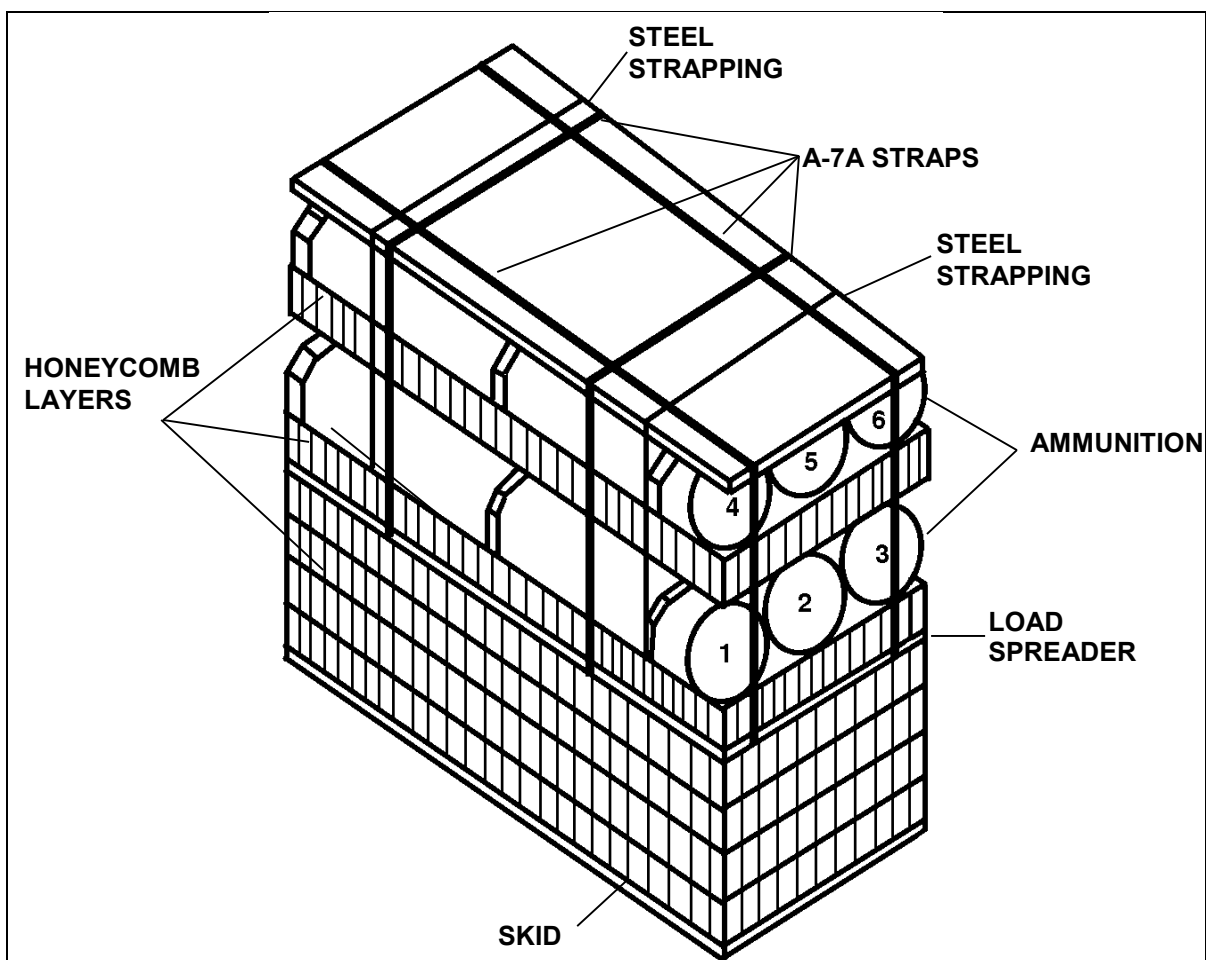


Figure 5-17. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

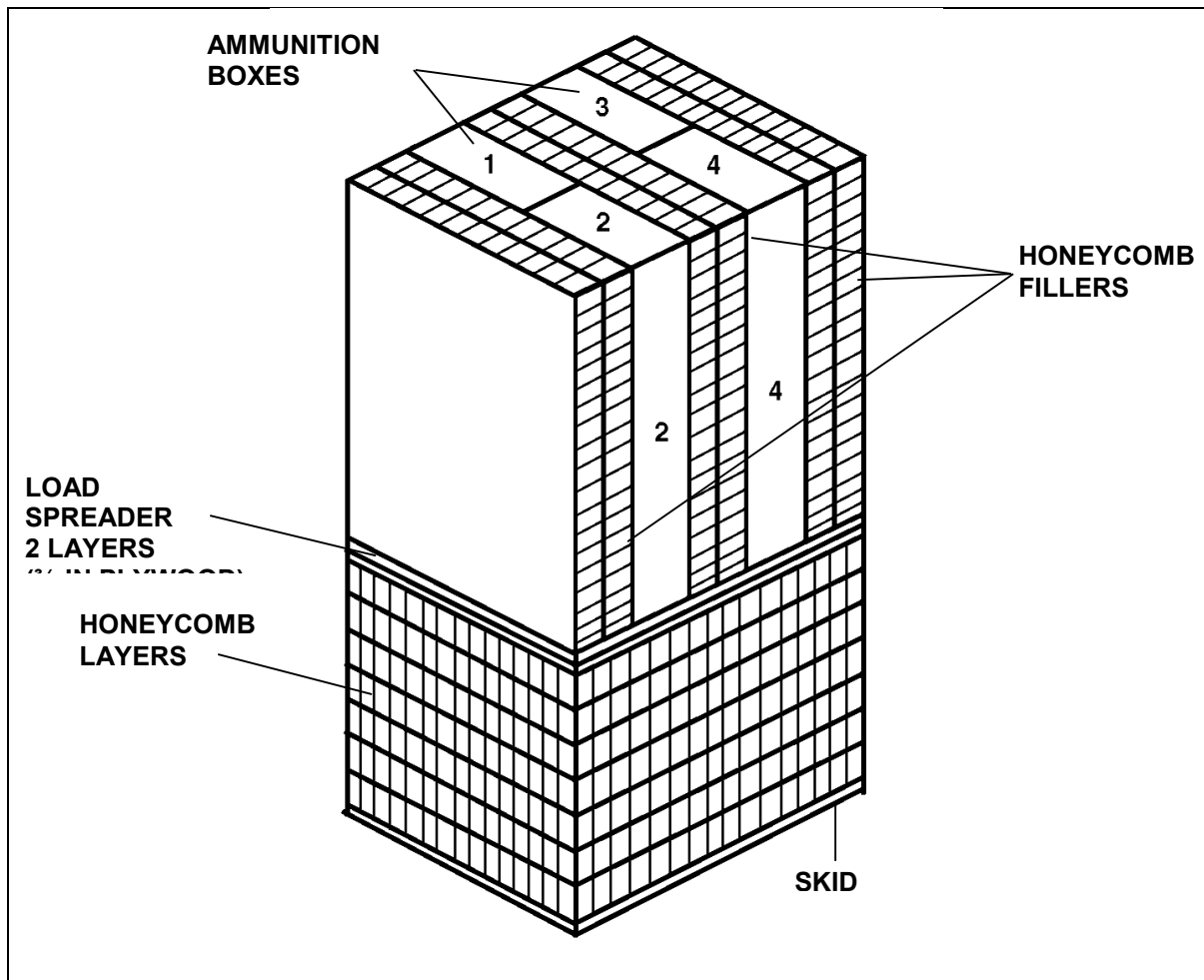


The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-18.

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

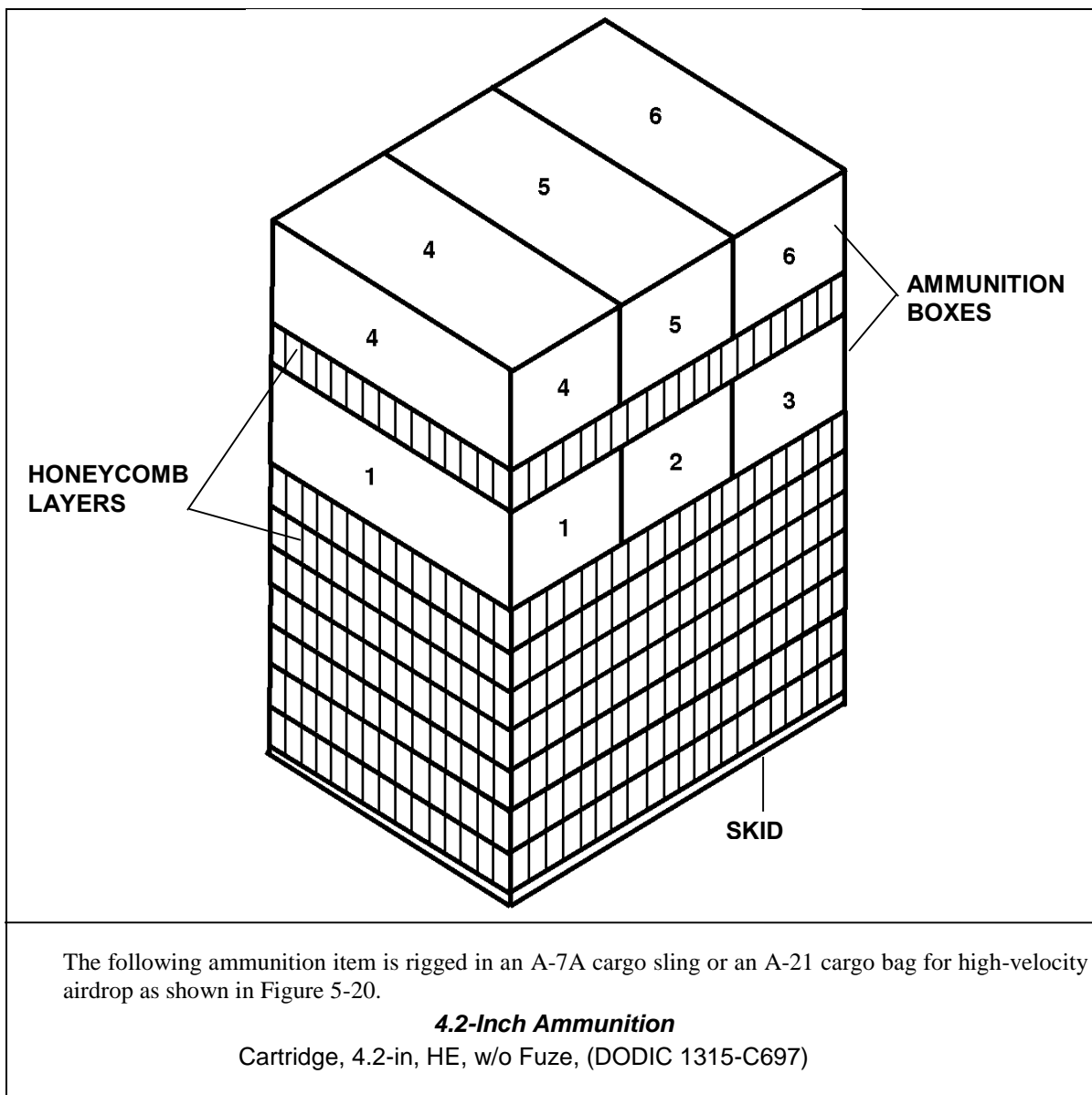


Figure 5-20. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

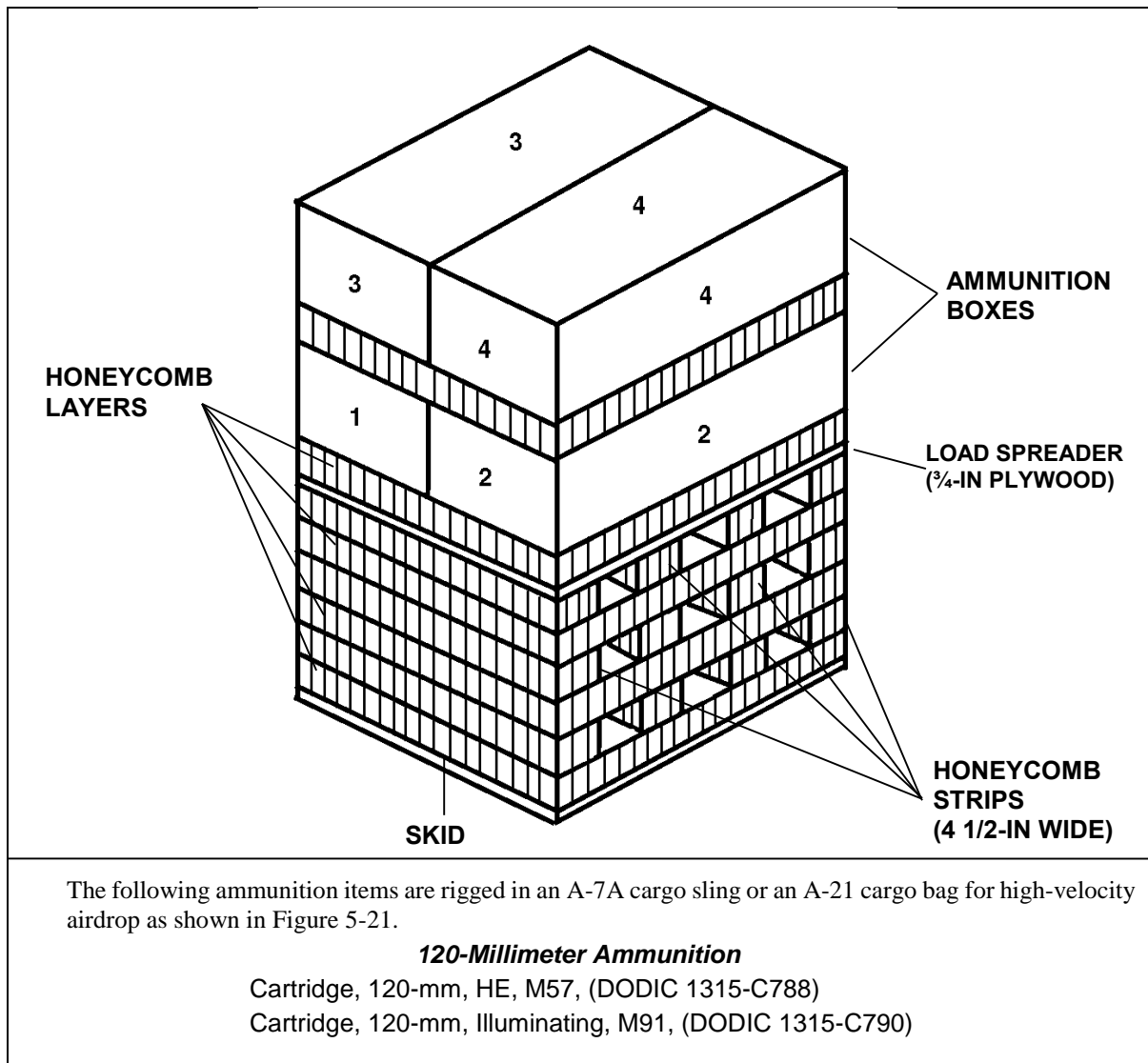
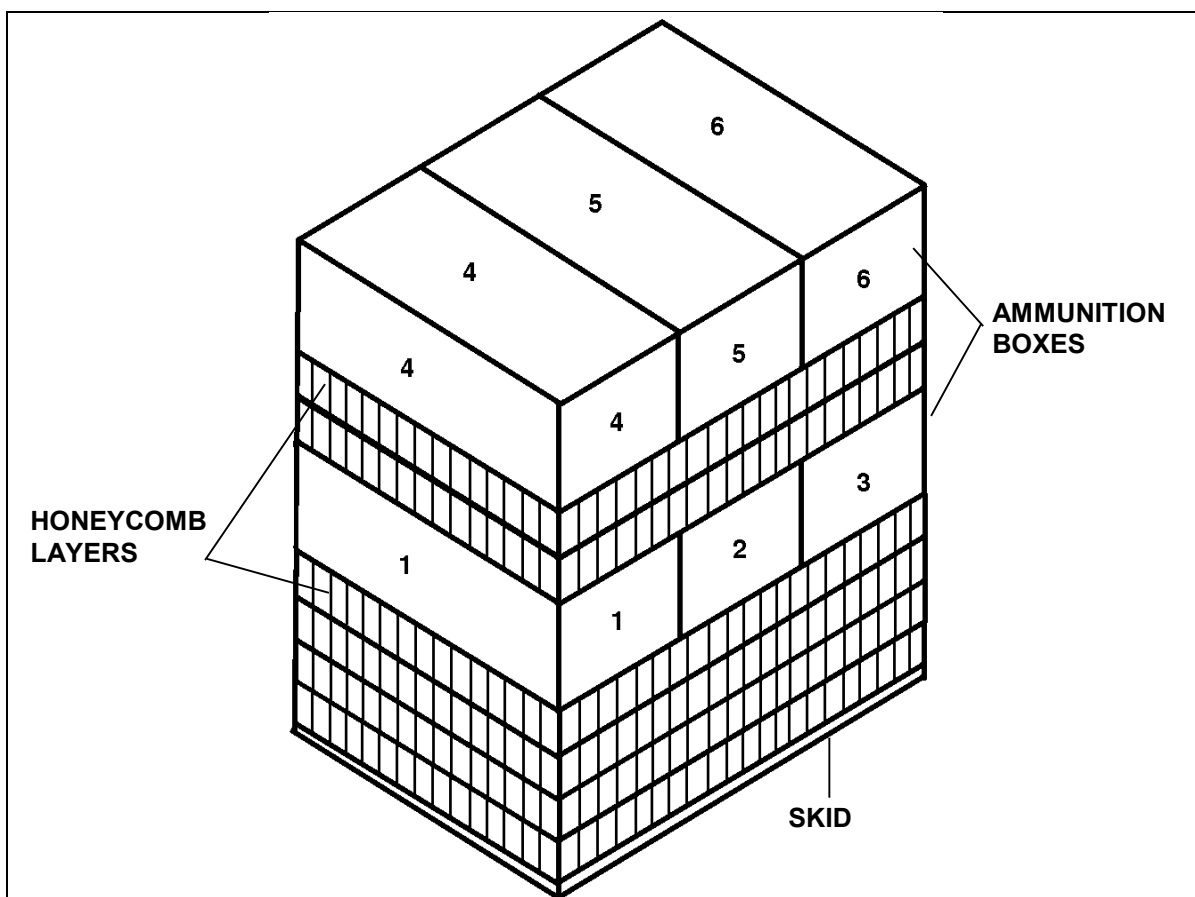


Figure 5-21. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop



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 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 5-22. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

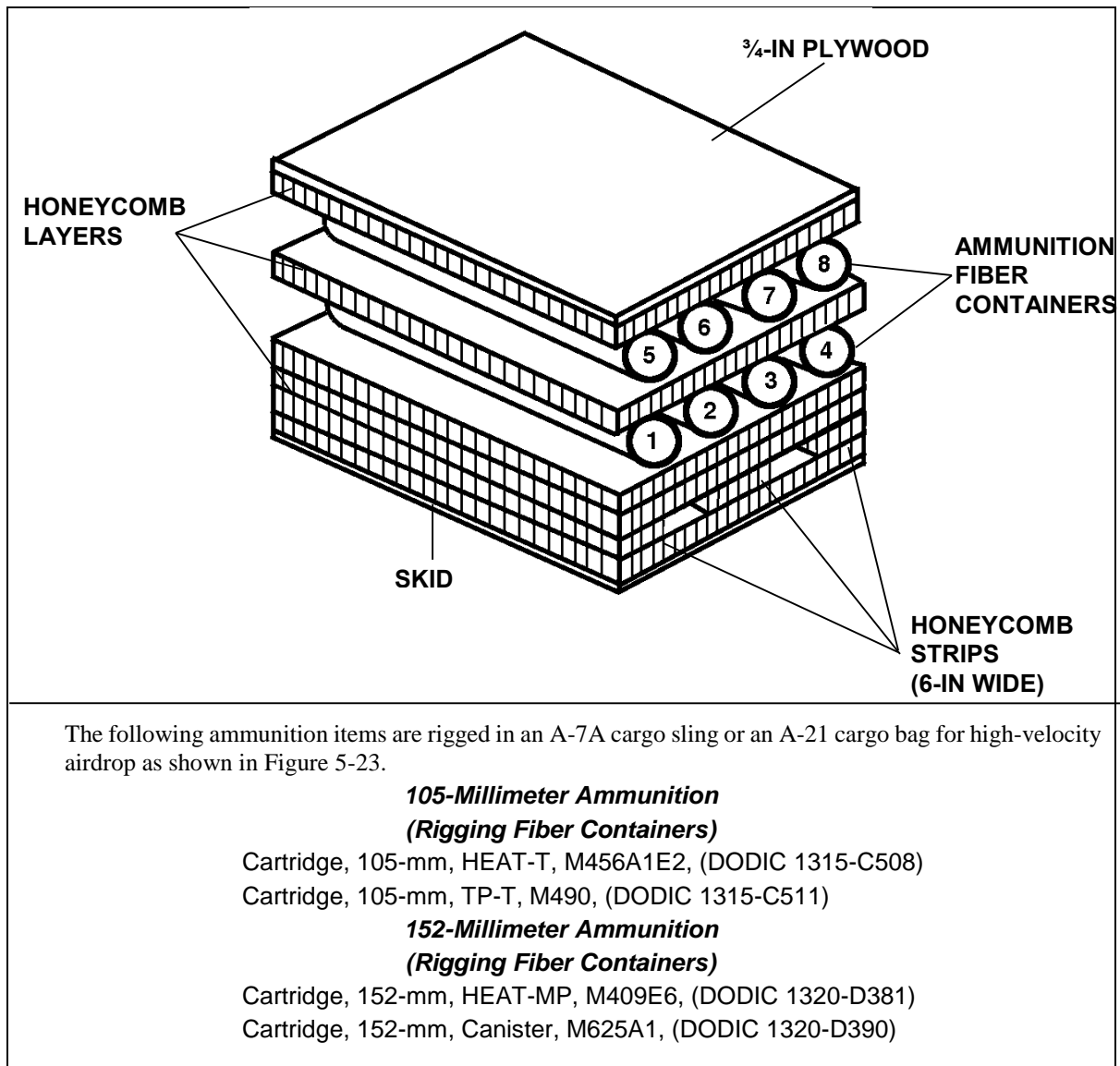
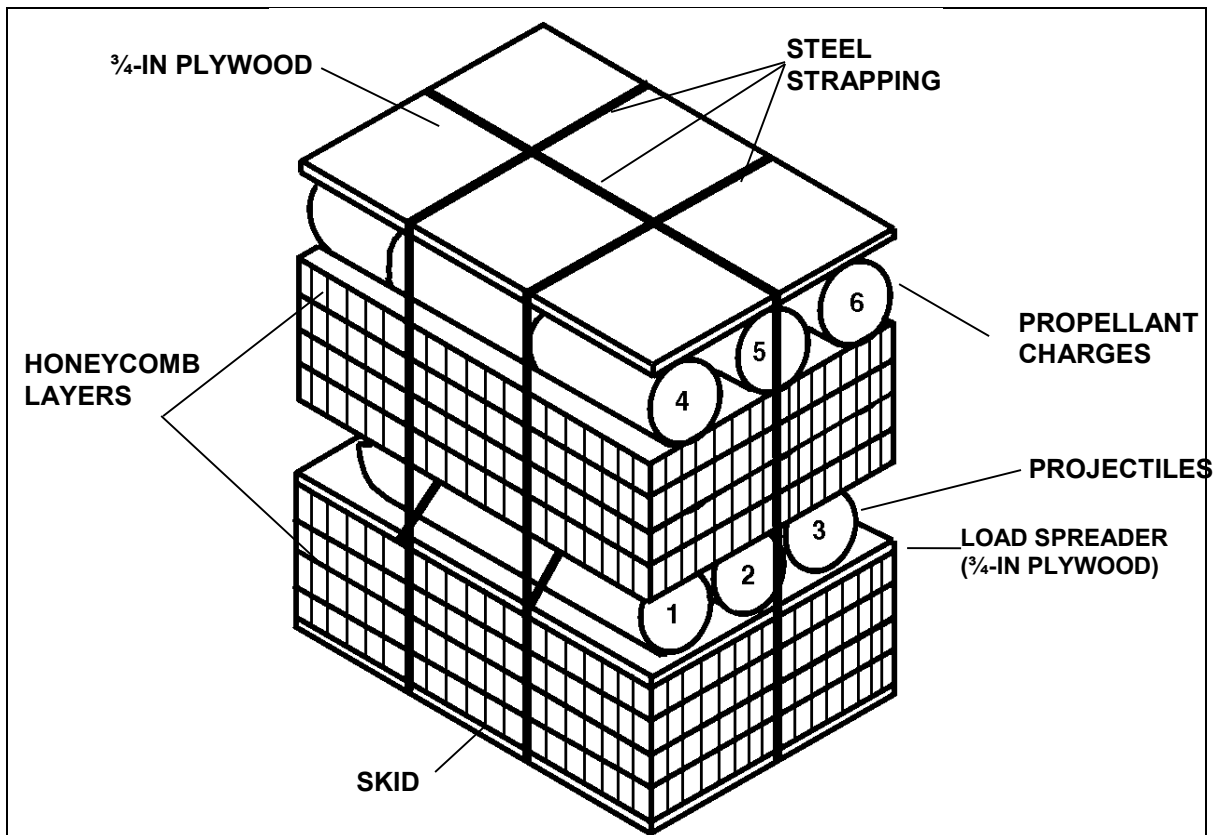


Figure 5-23. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop



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

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)

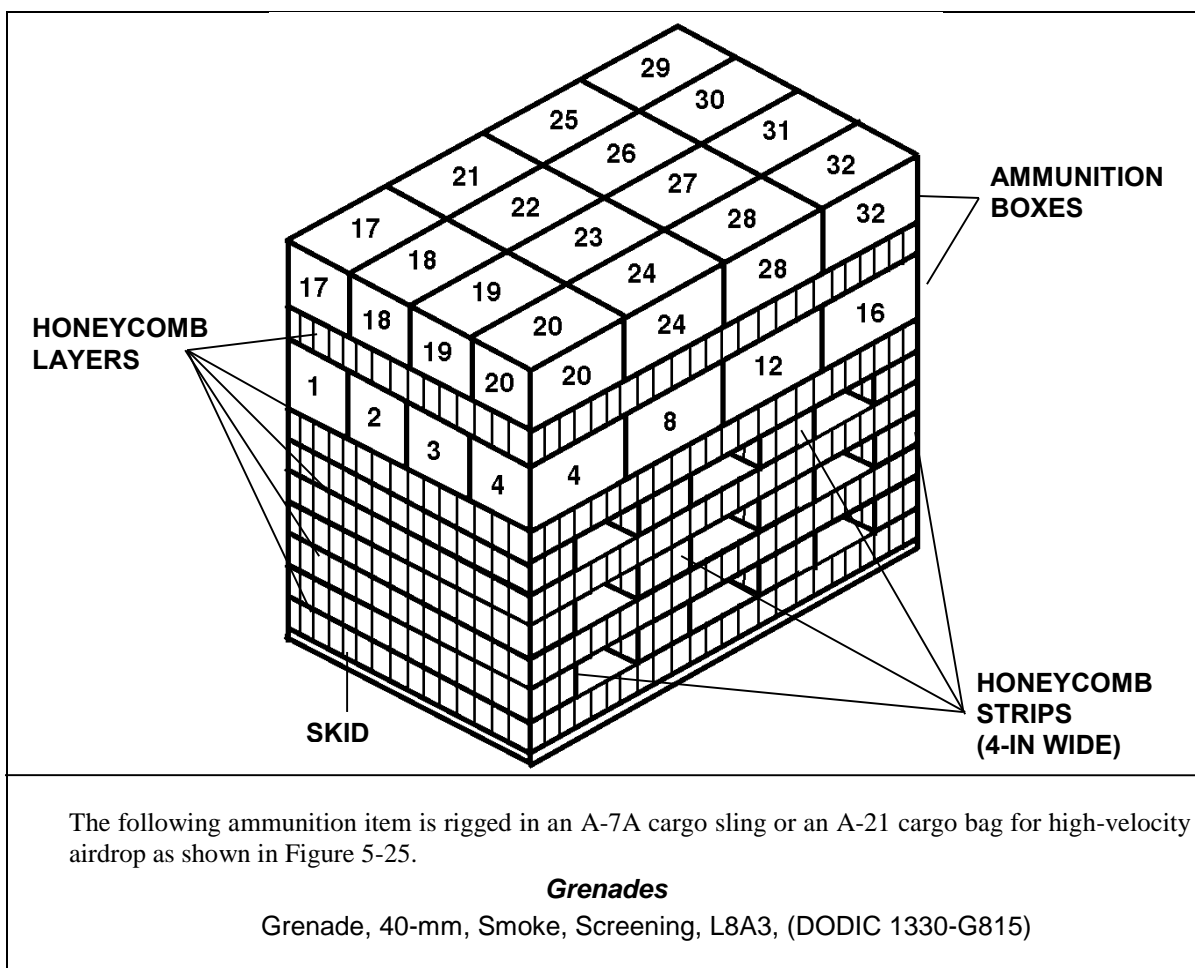
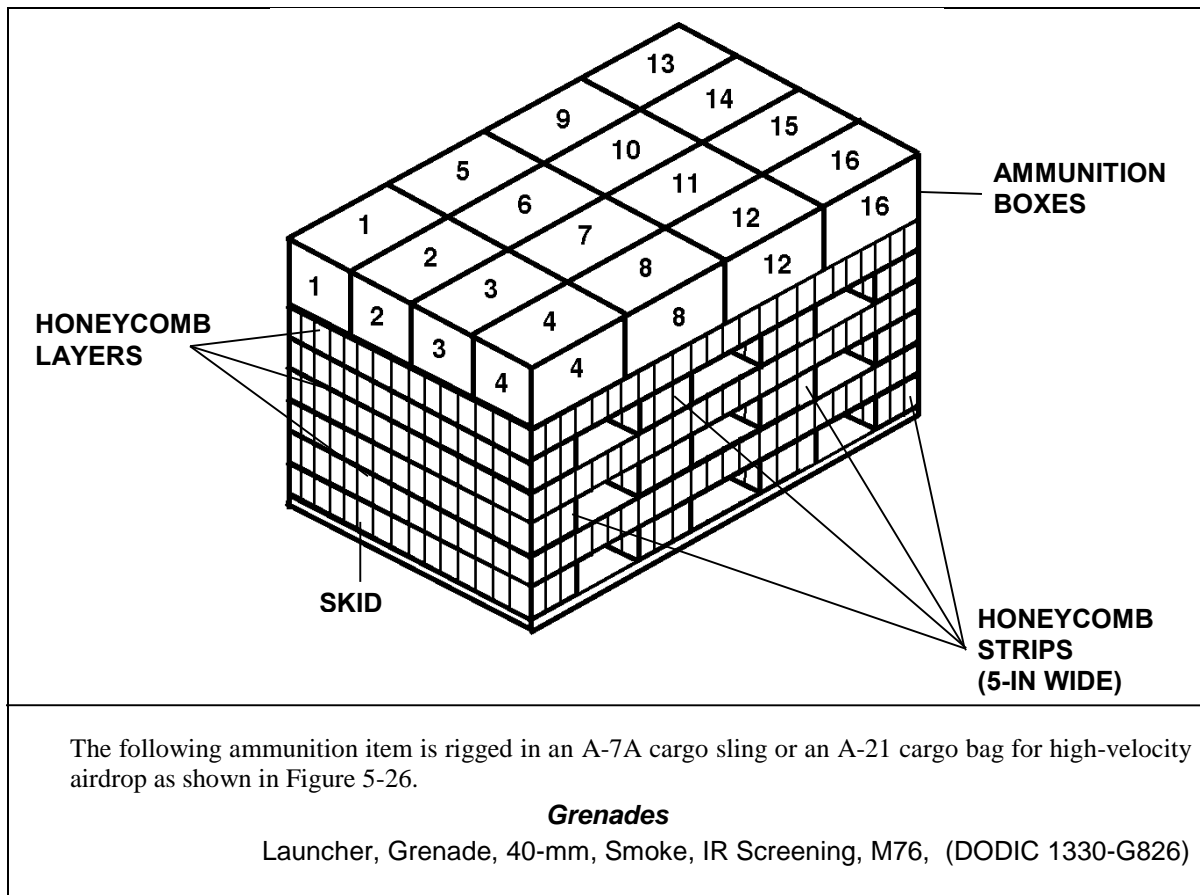


Figure 5-25. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop



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

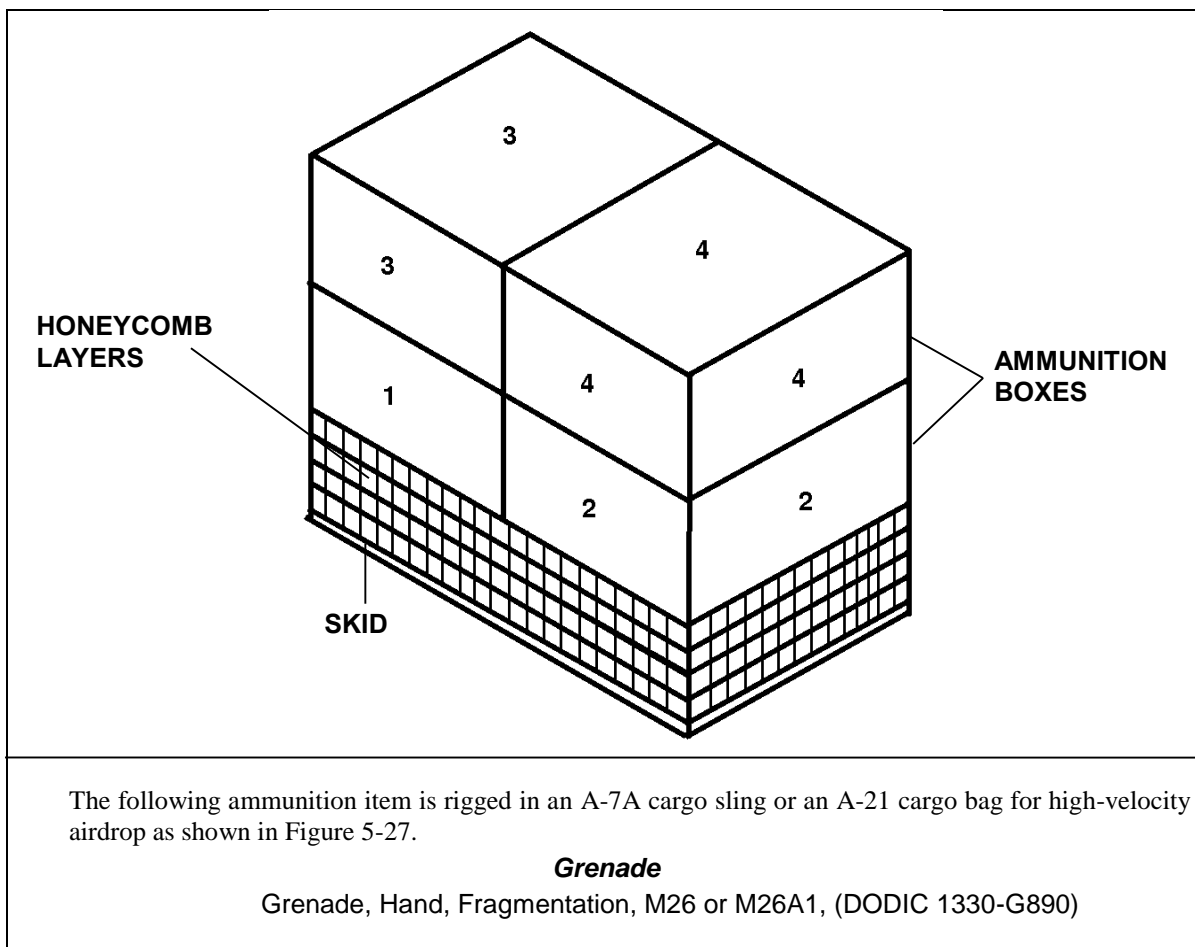


Figure 5-27. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

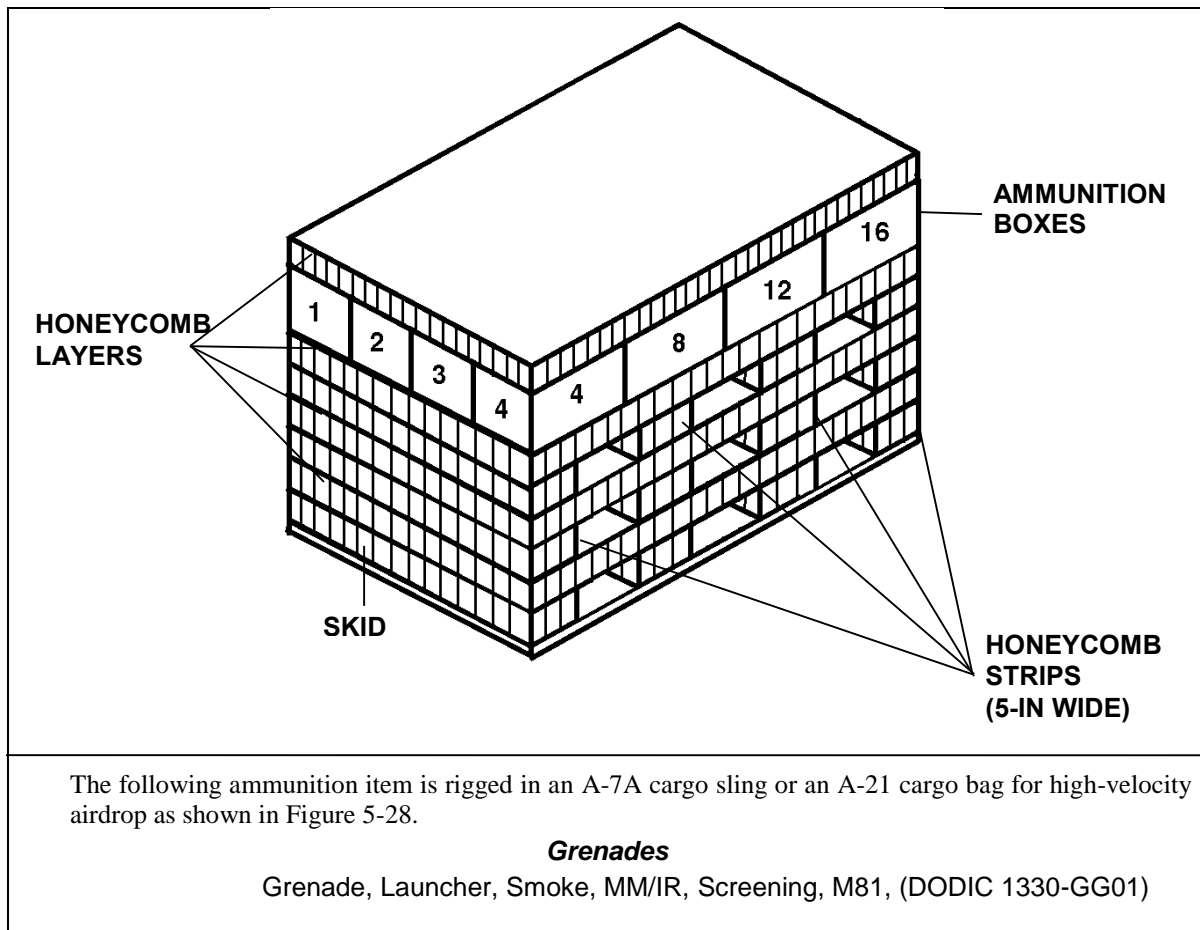
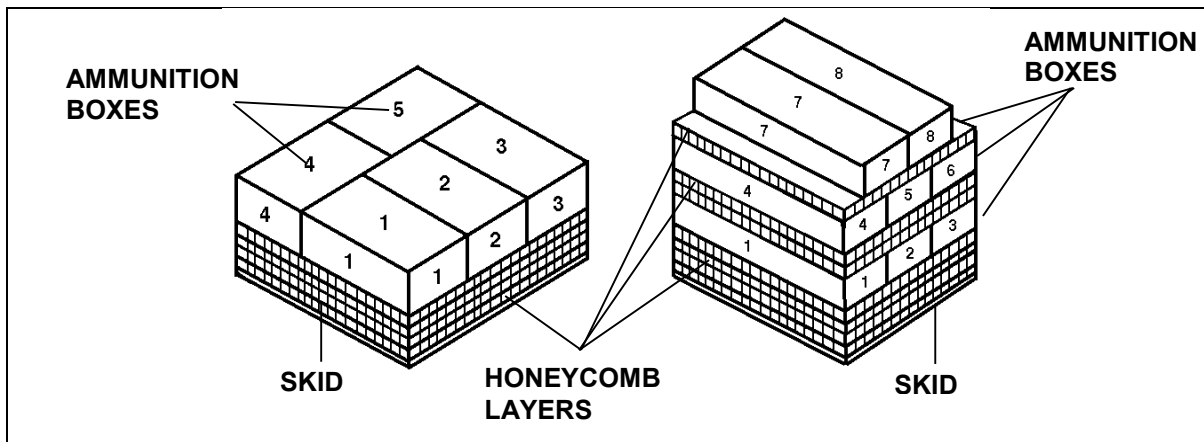


Figure 5-28. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

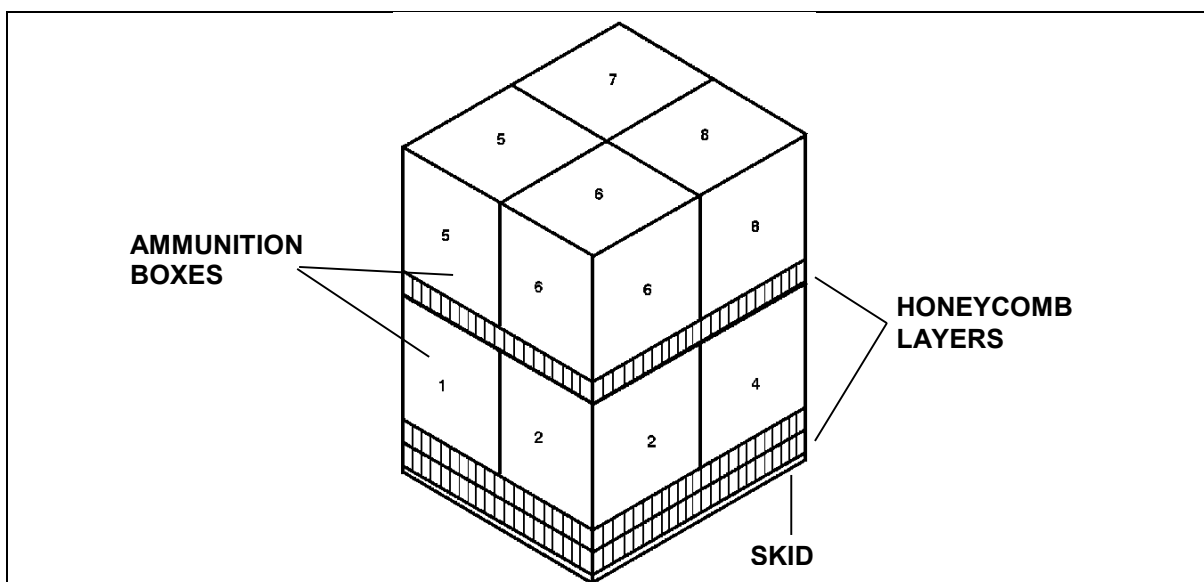


The following ammunition item is rigged in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop as shown in Figure 5-29.

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 (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 5-30.

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

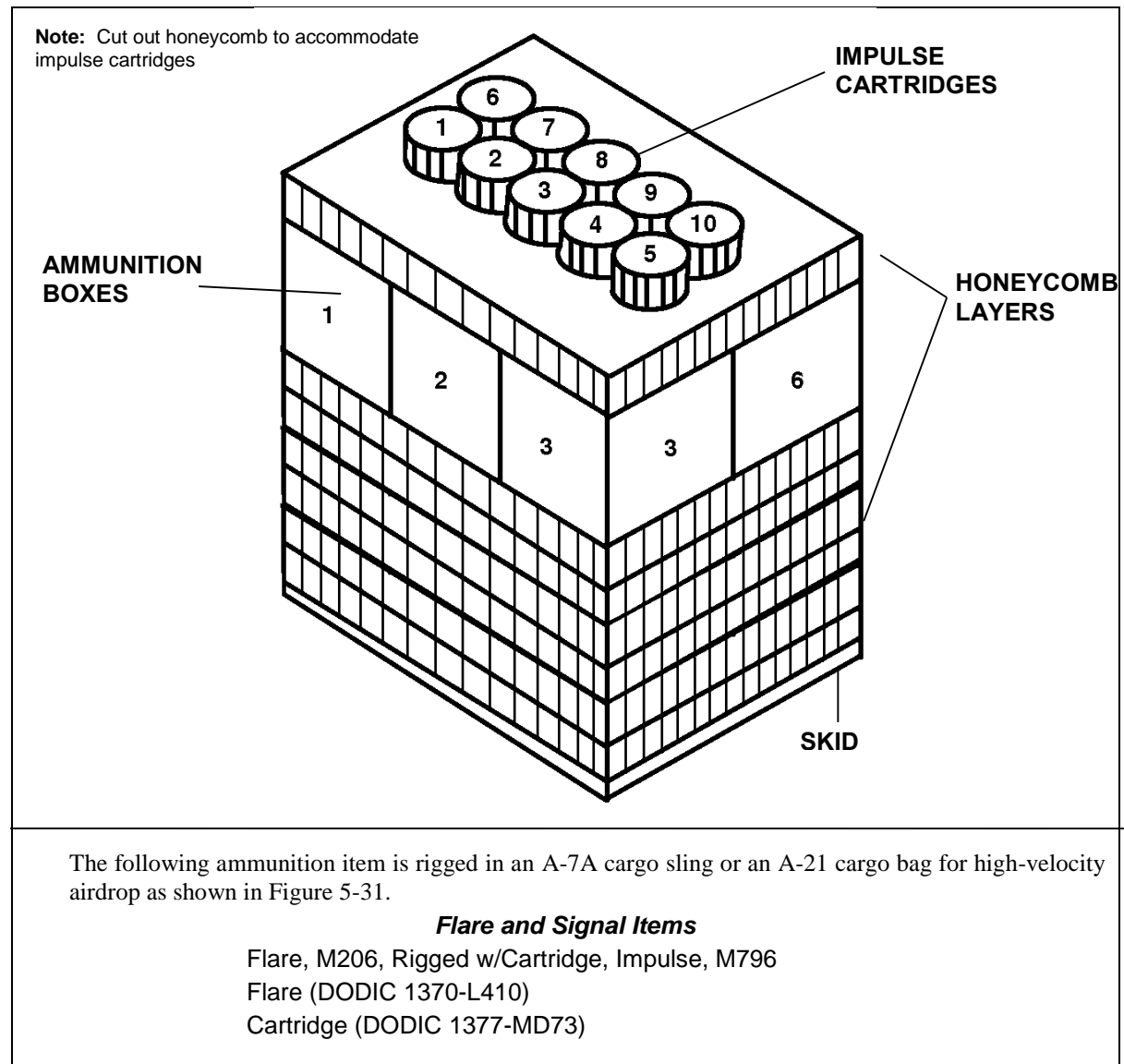


Figure 5-31. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

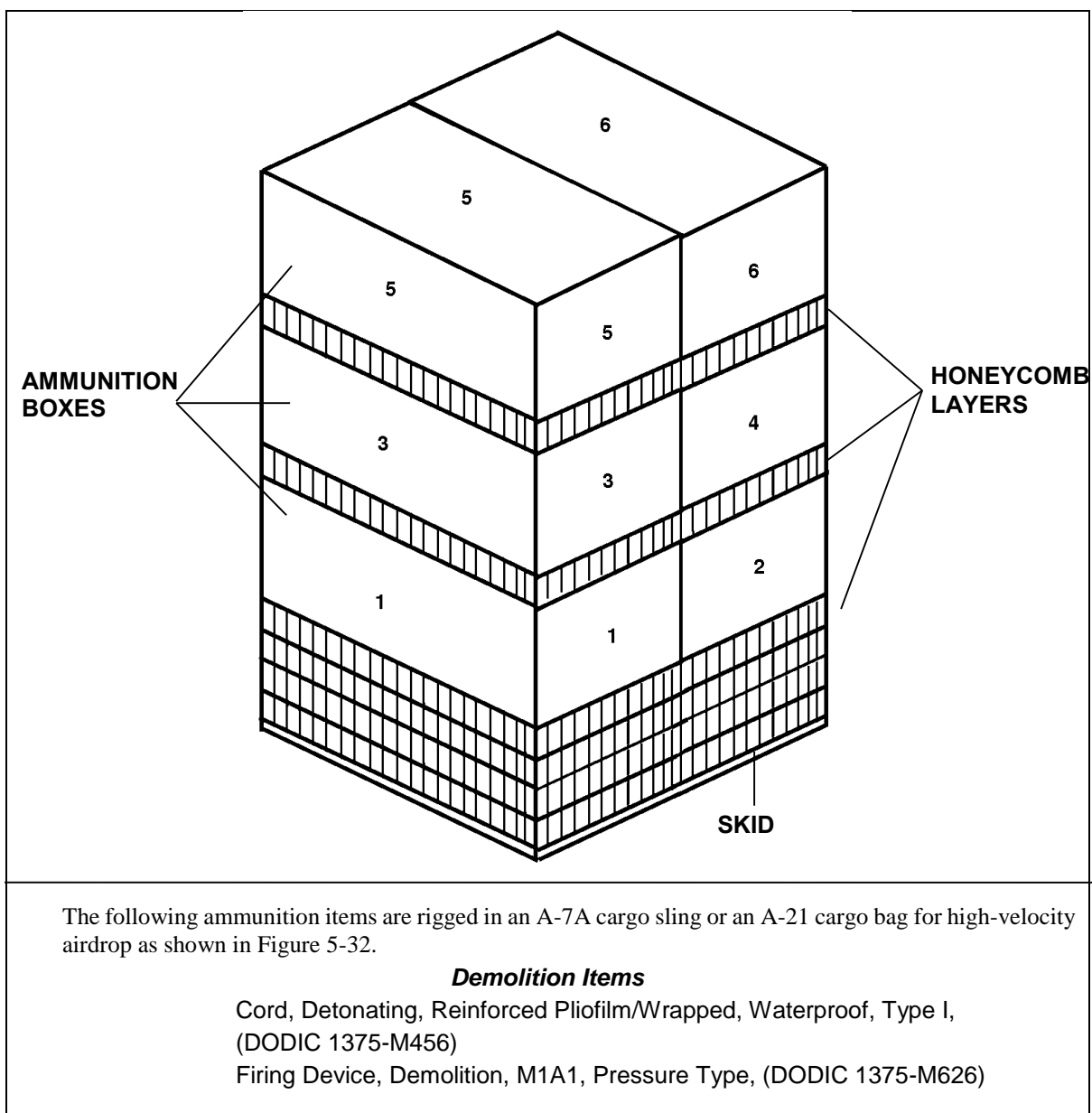
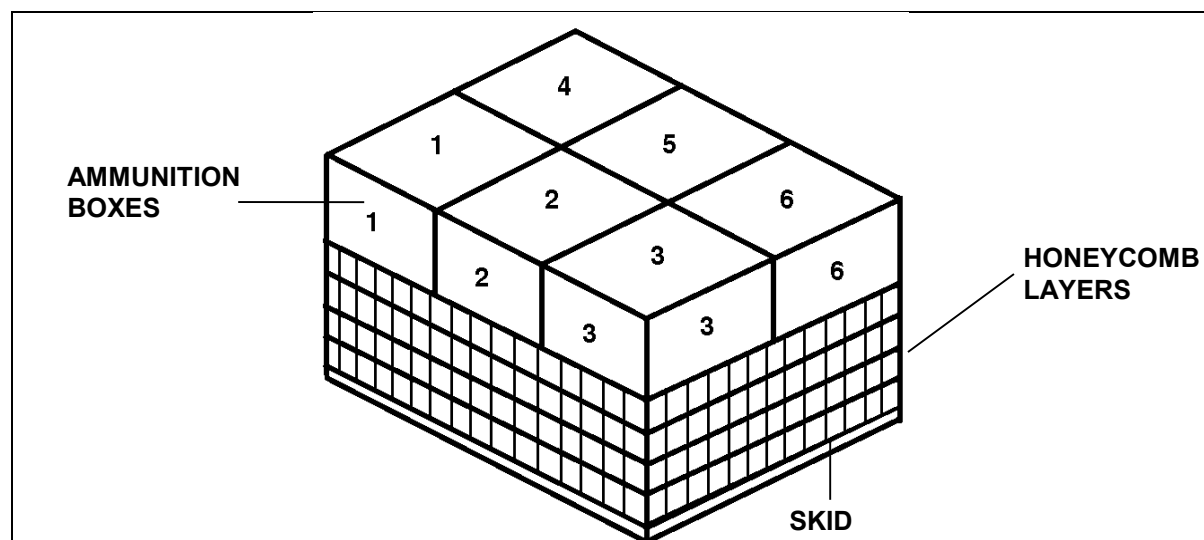


Figure 5-32. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop



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 5-33.

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

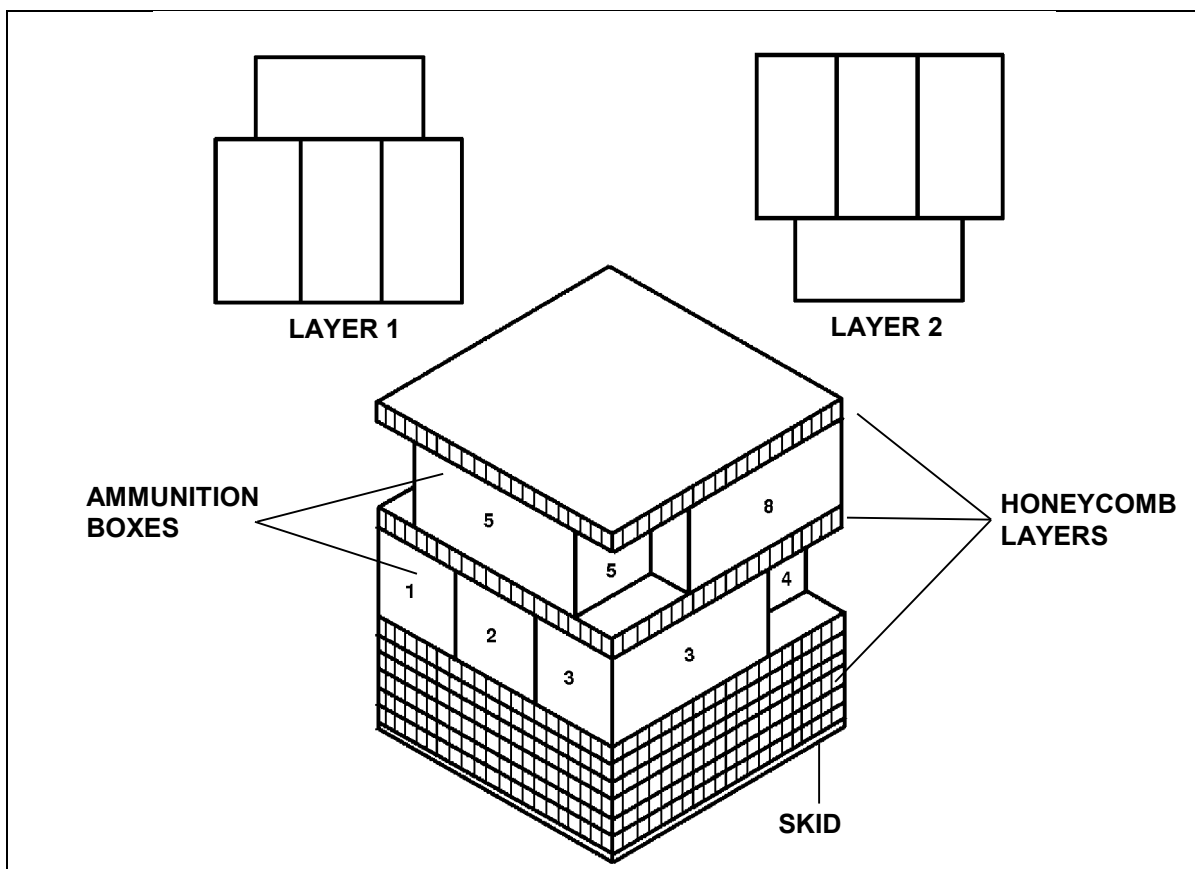
When proximity fuzes are airdropped, the boxed fuzes must be dropped in the nose-down position. If the boxes are damaged, the fuzes should not be used.

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

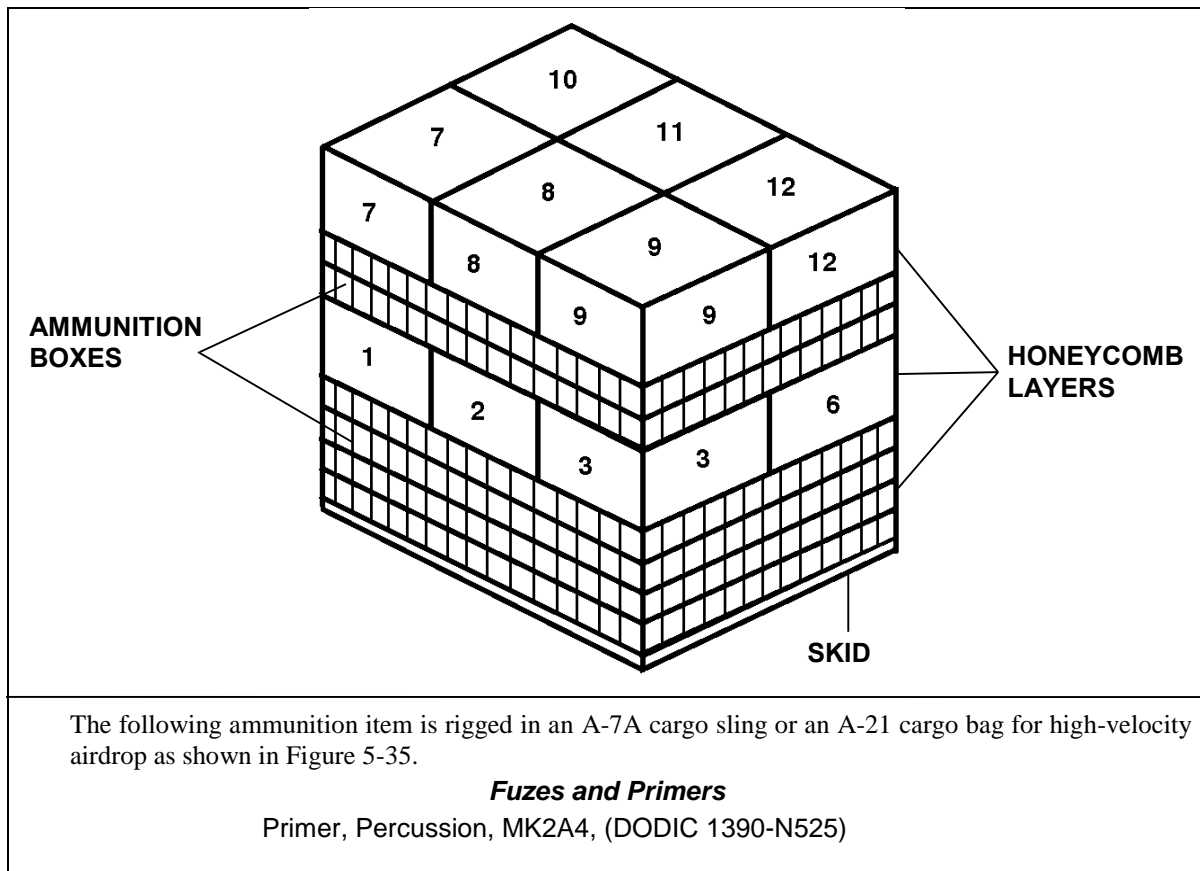


Figure 5-35. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

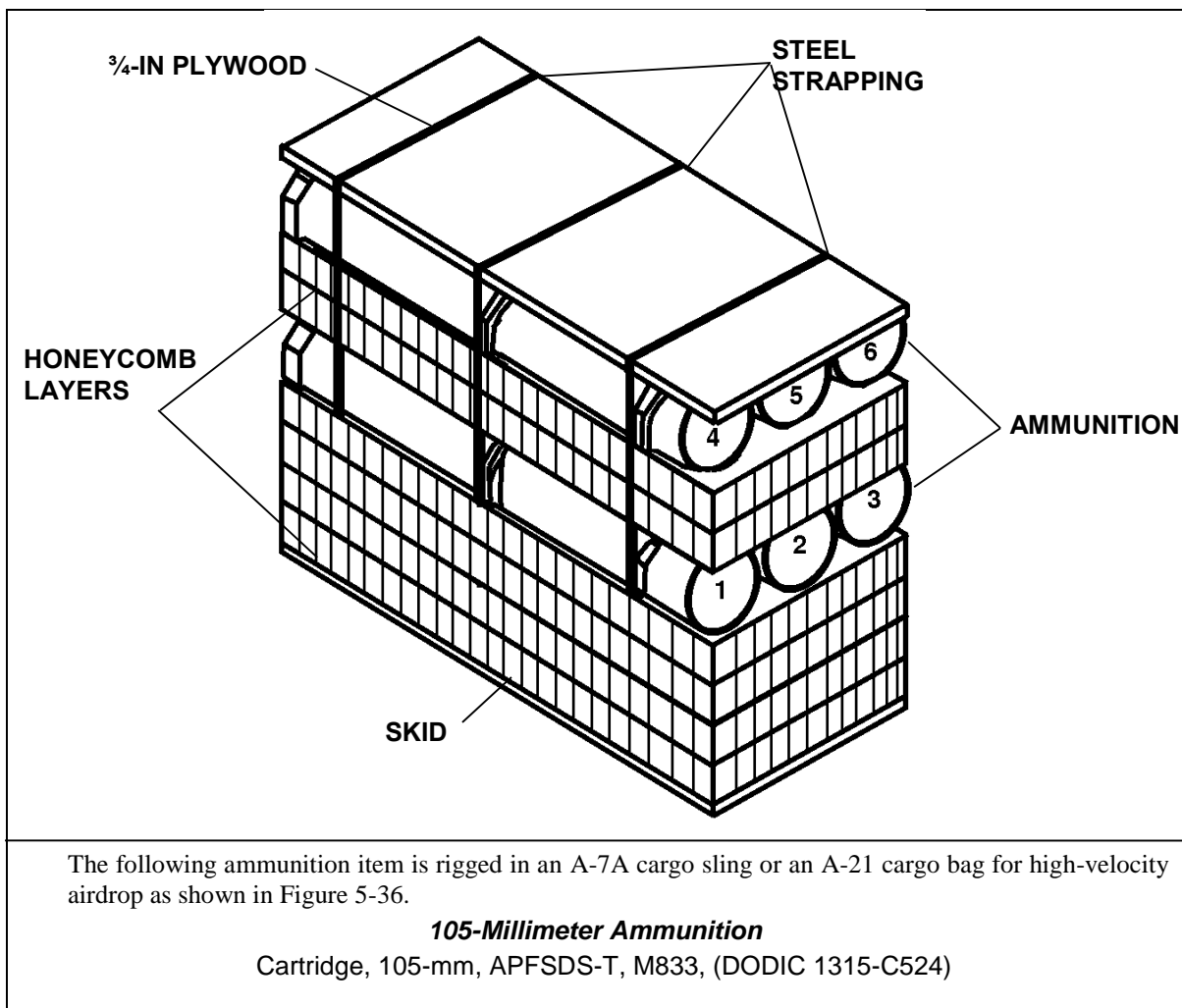


Figure 5-36. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

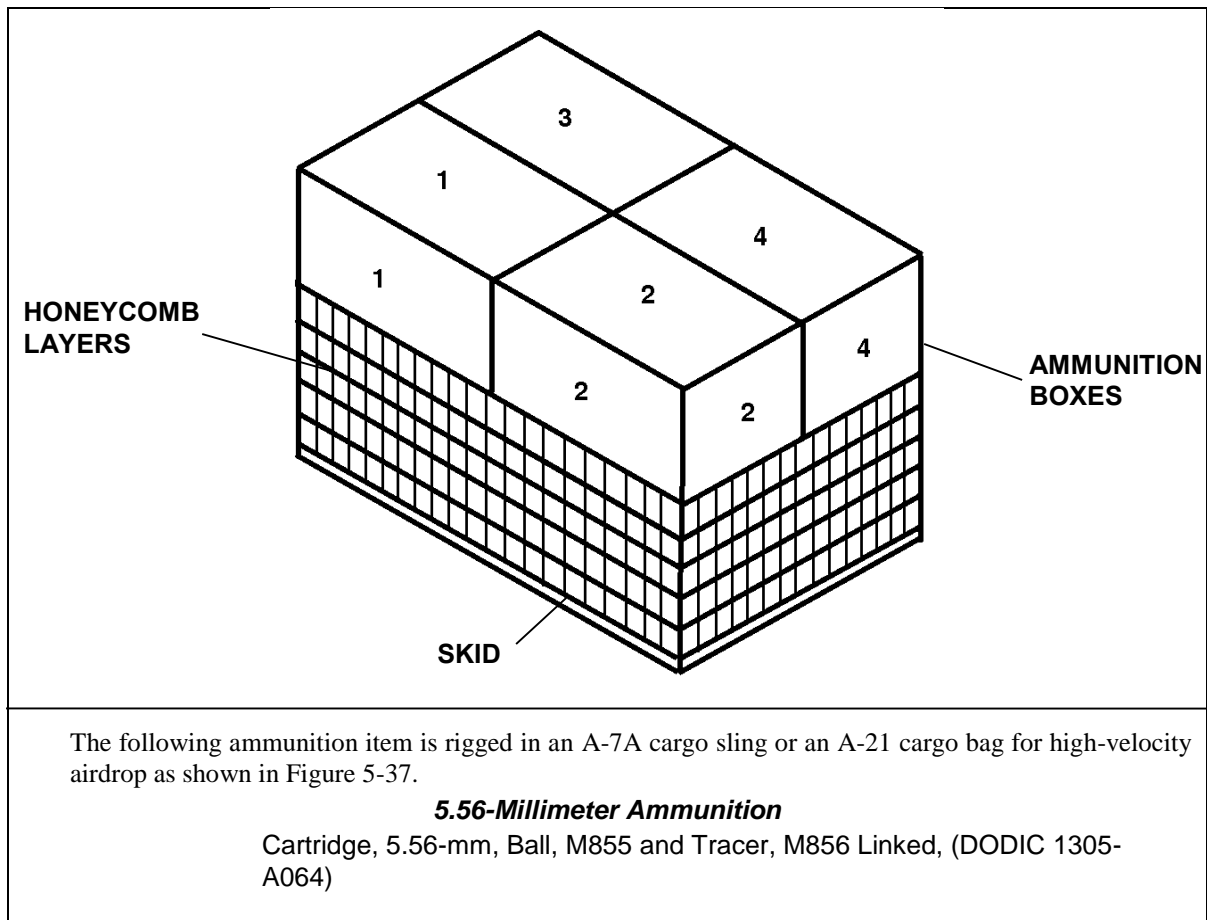


Figure 5-37. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

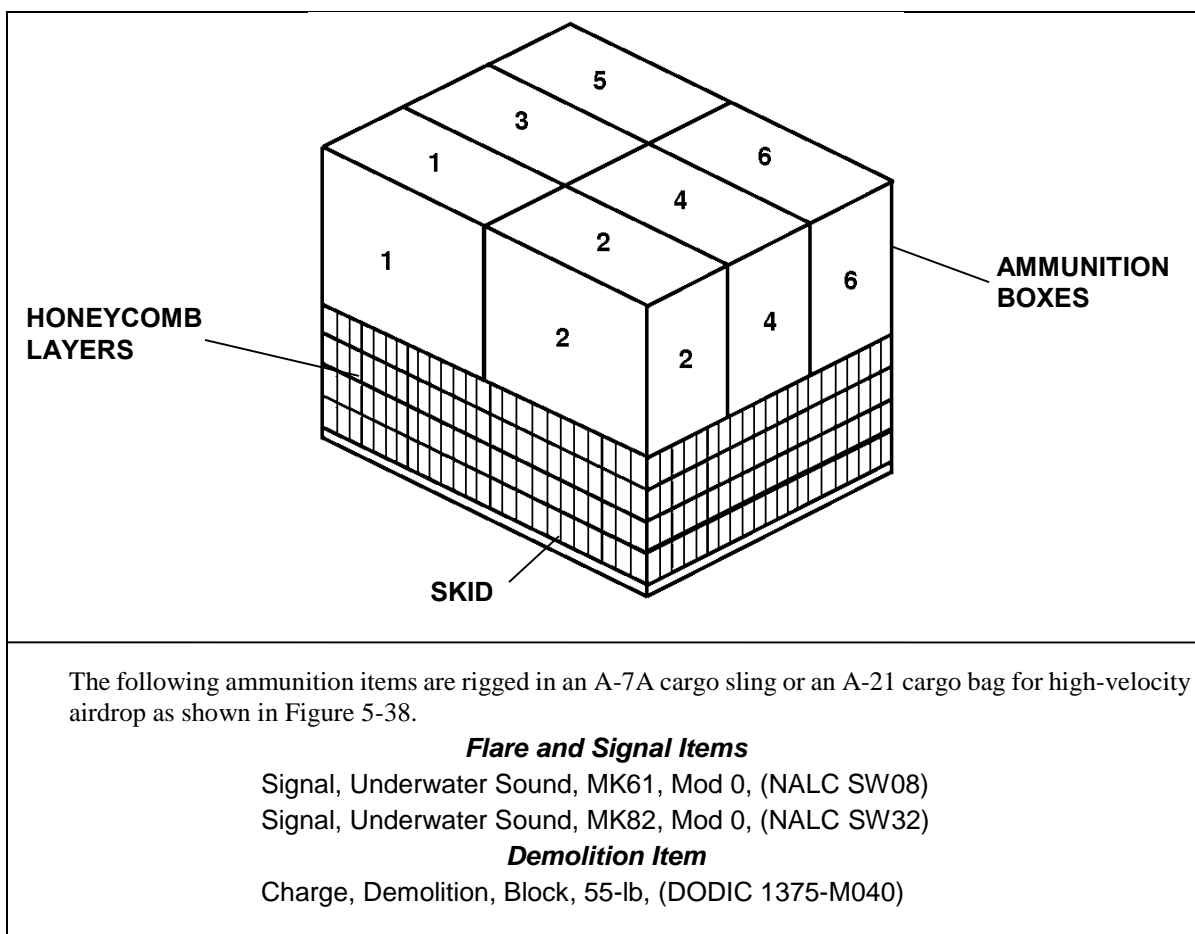


Figure 5-38. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

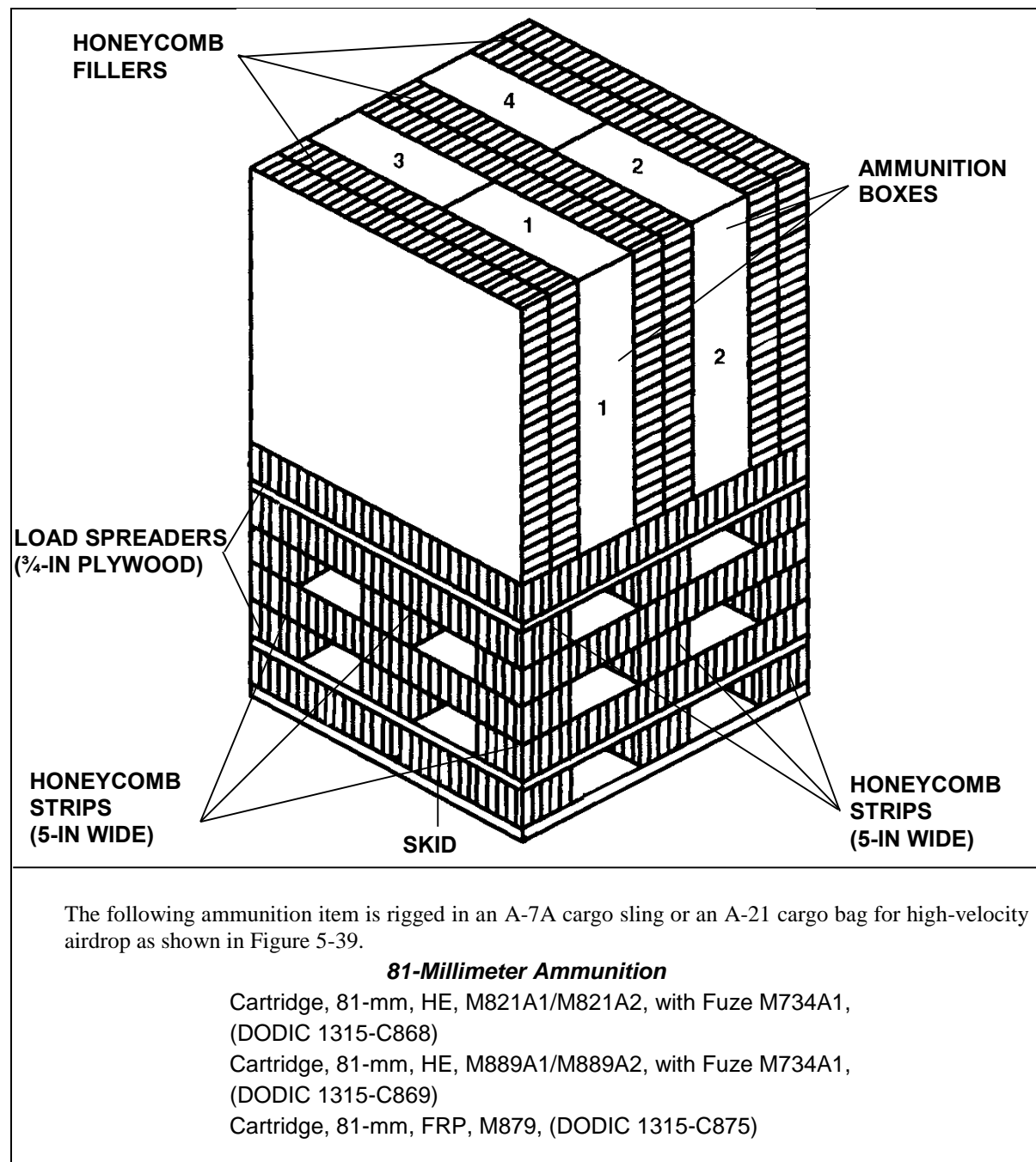


Figure 5-39. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

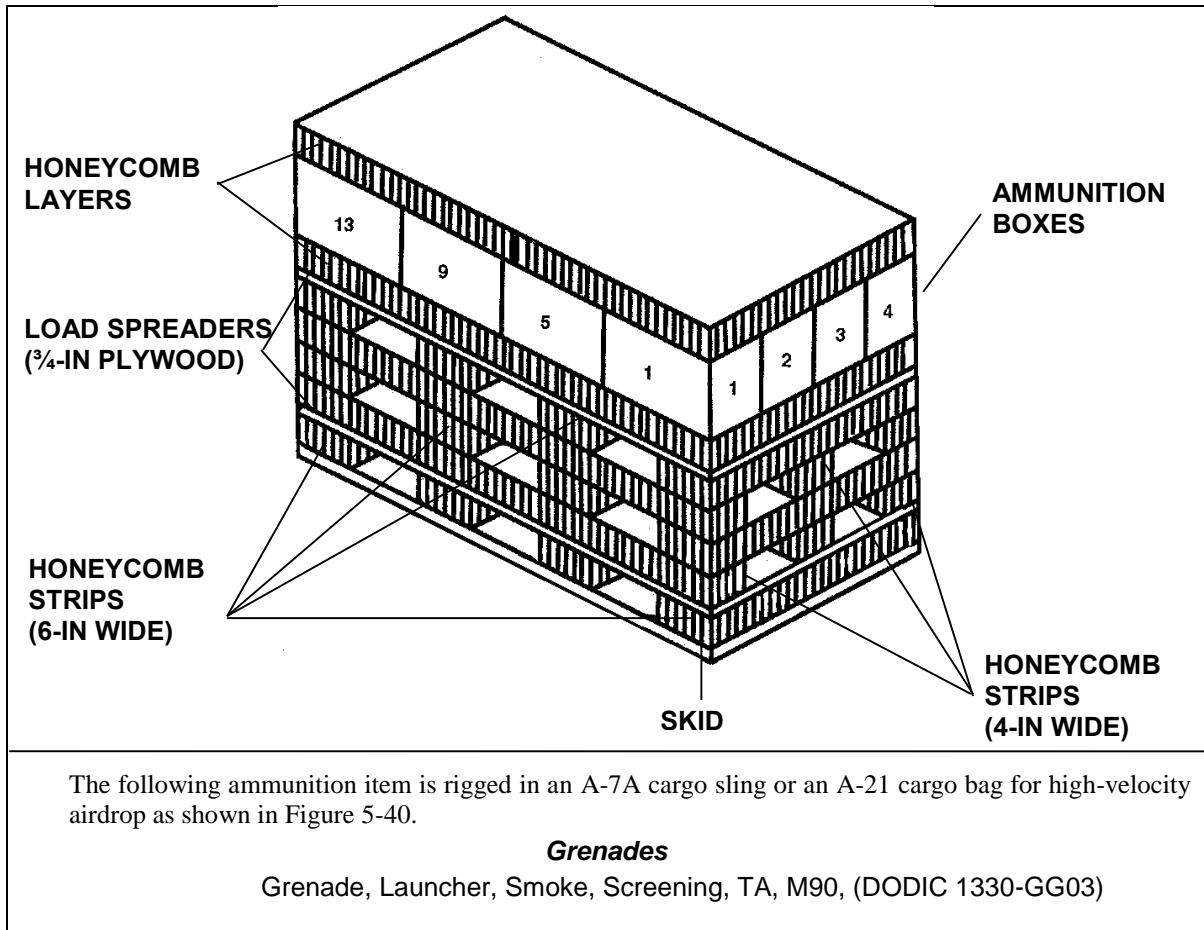


Figure 5-40. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

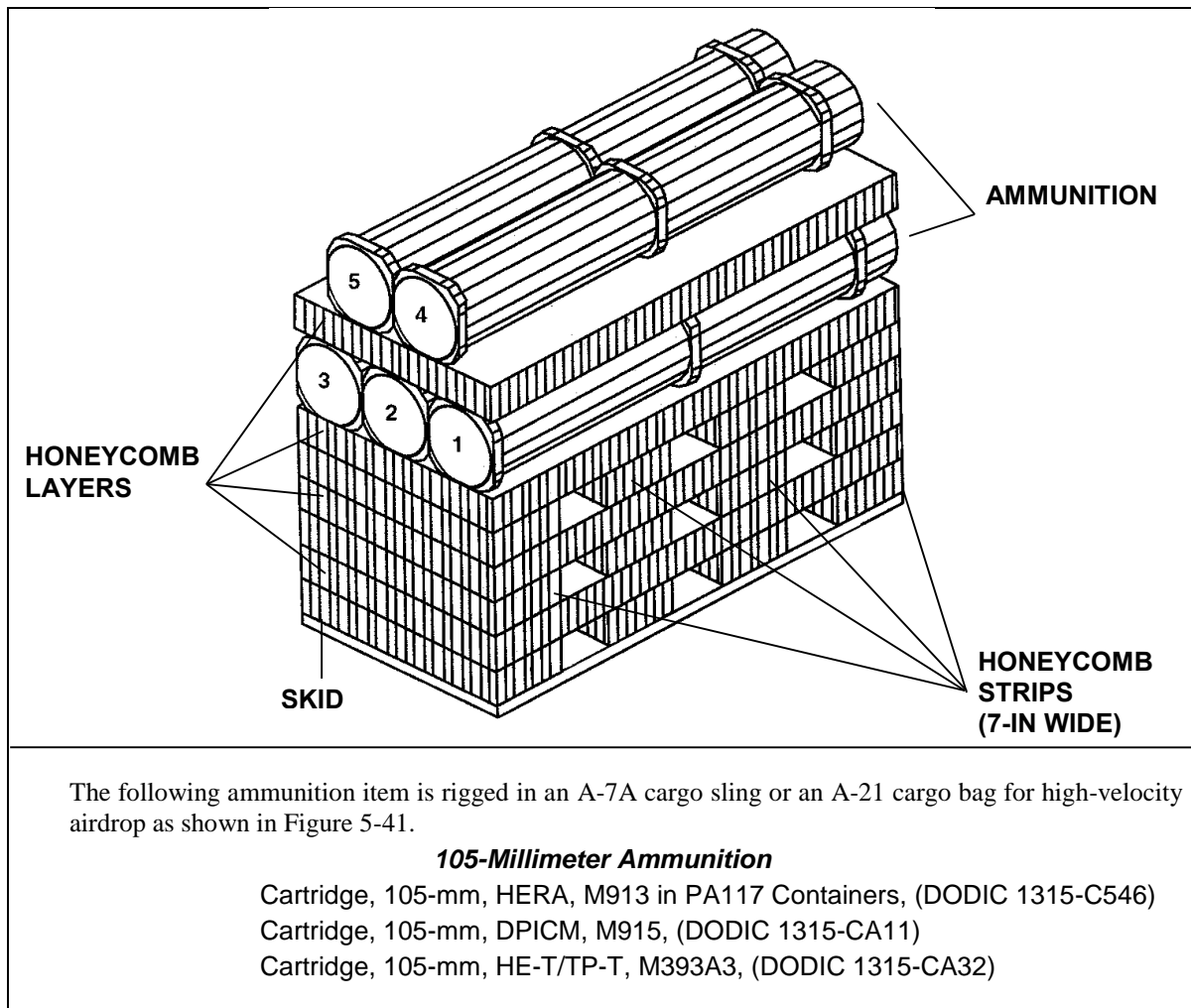


Figure 5-41. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

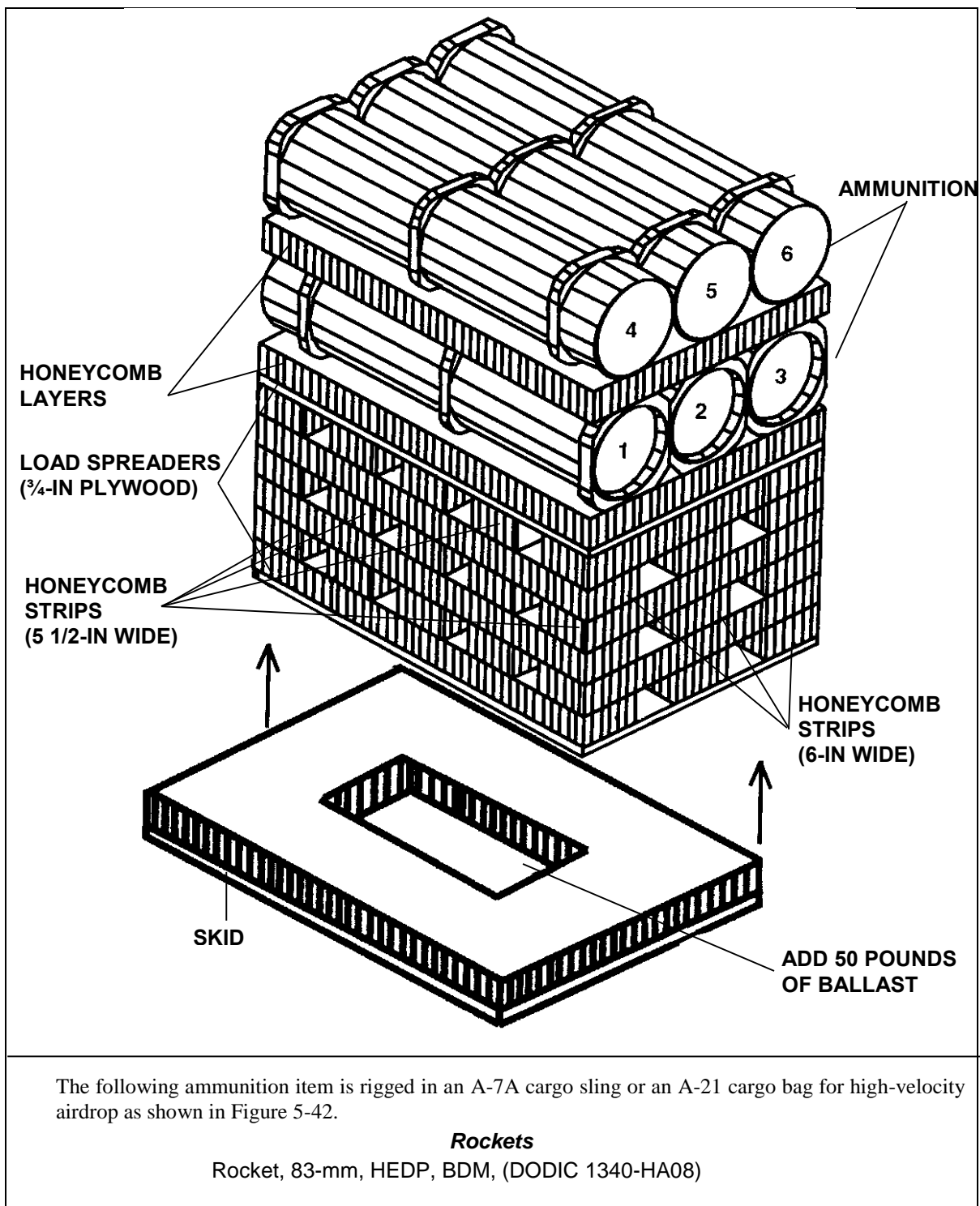


Figure 5-42. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

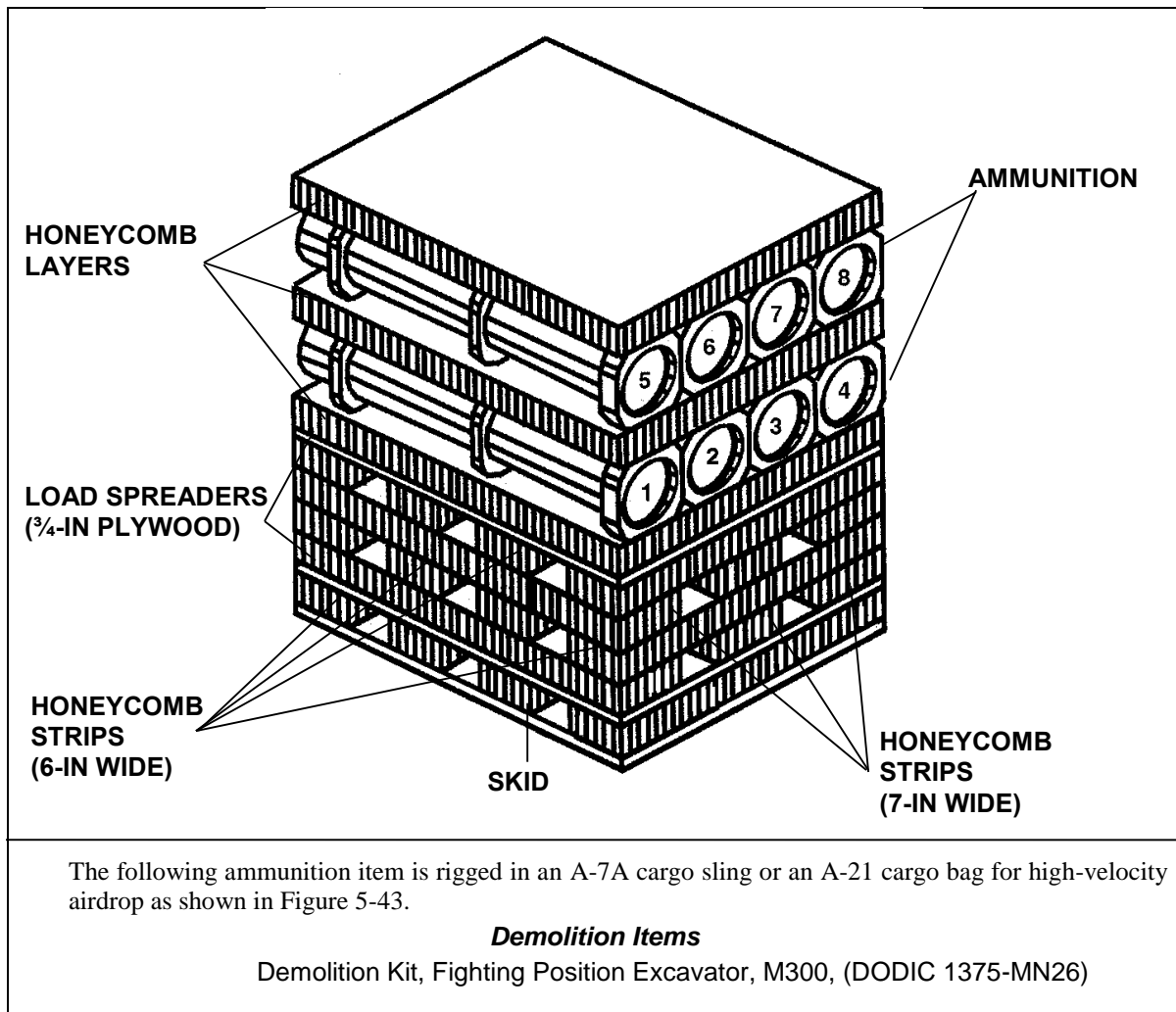


Figure 5-43. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

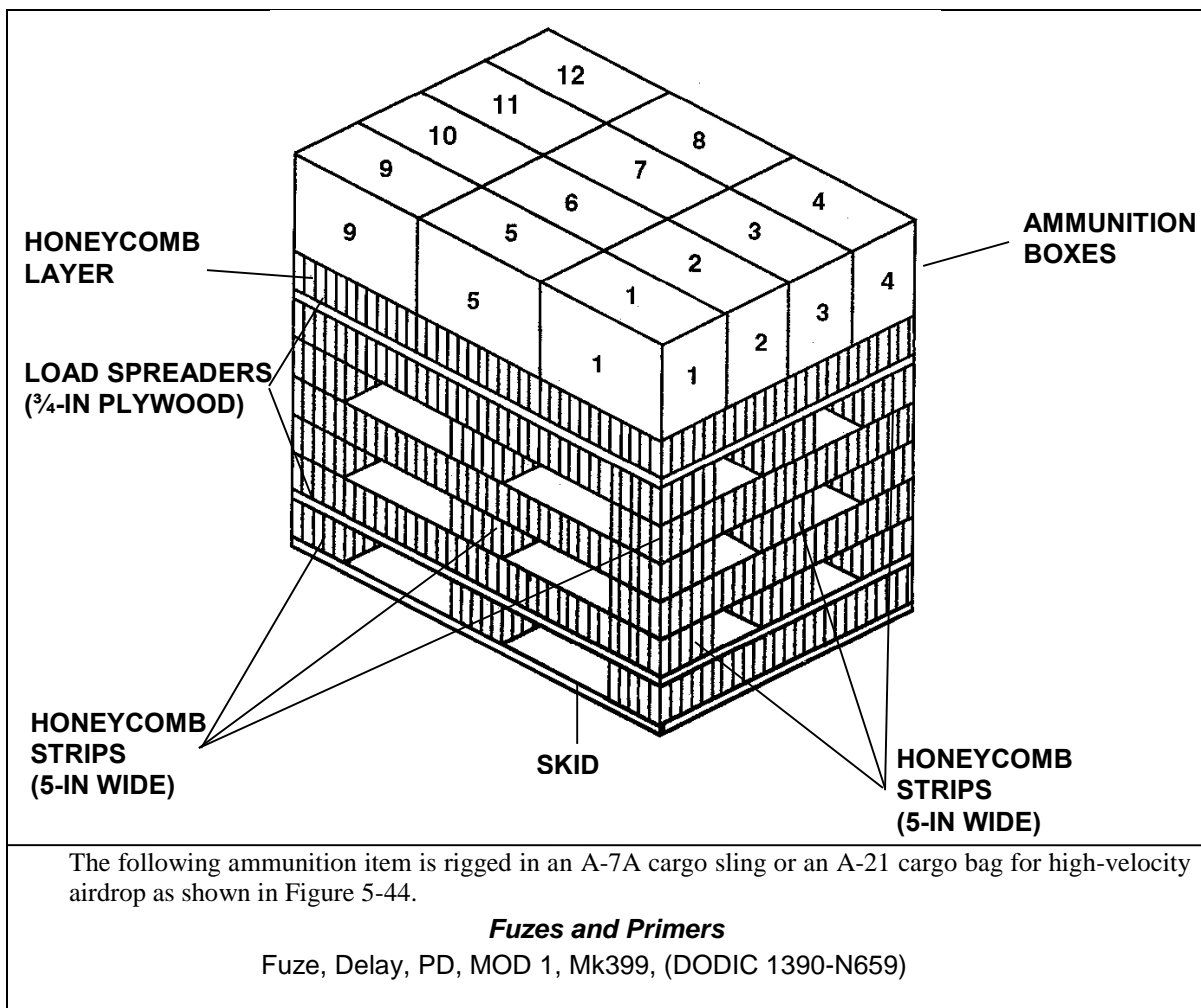


Figure 5-44. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

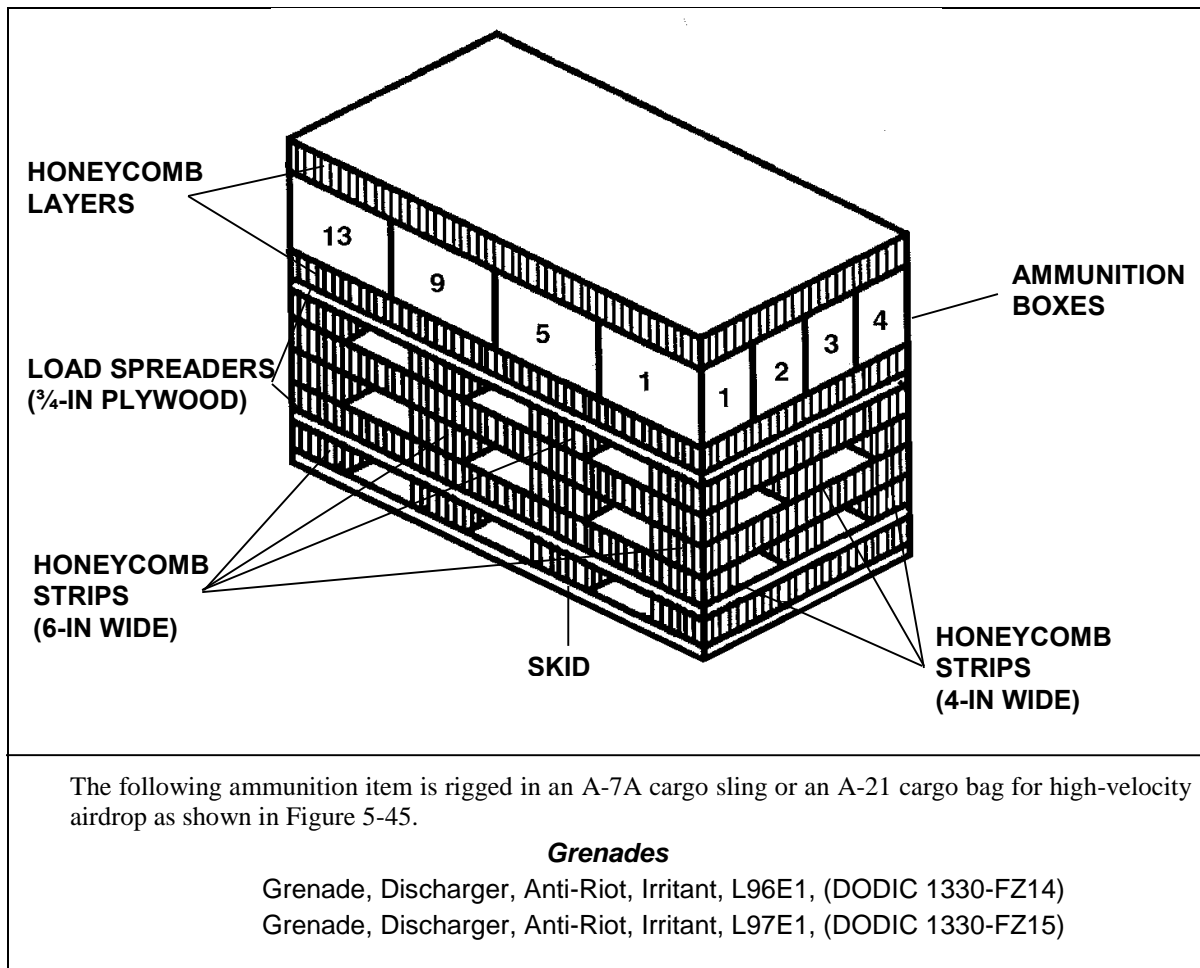
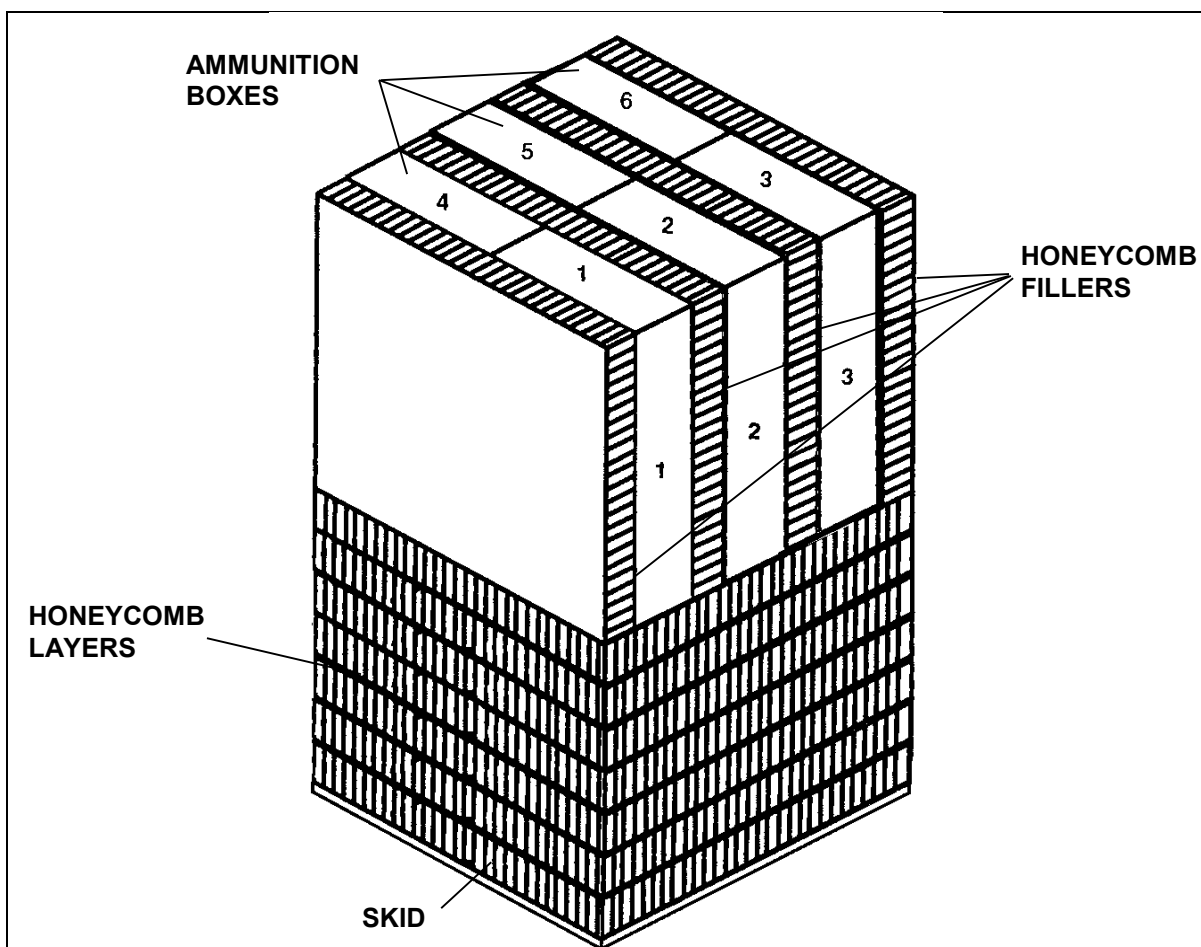


Figure 5-45. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop



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

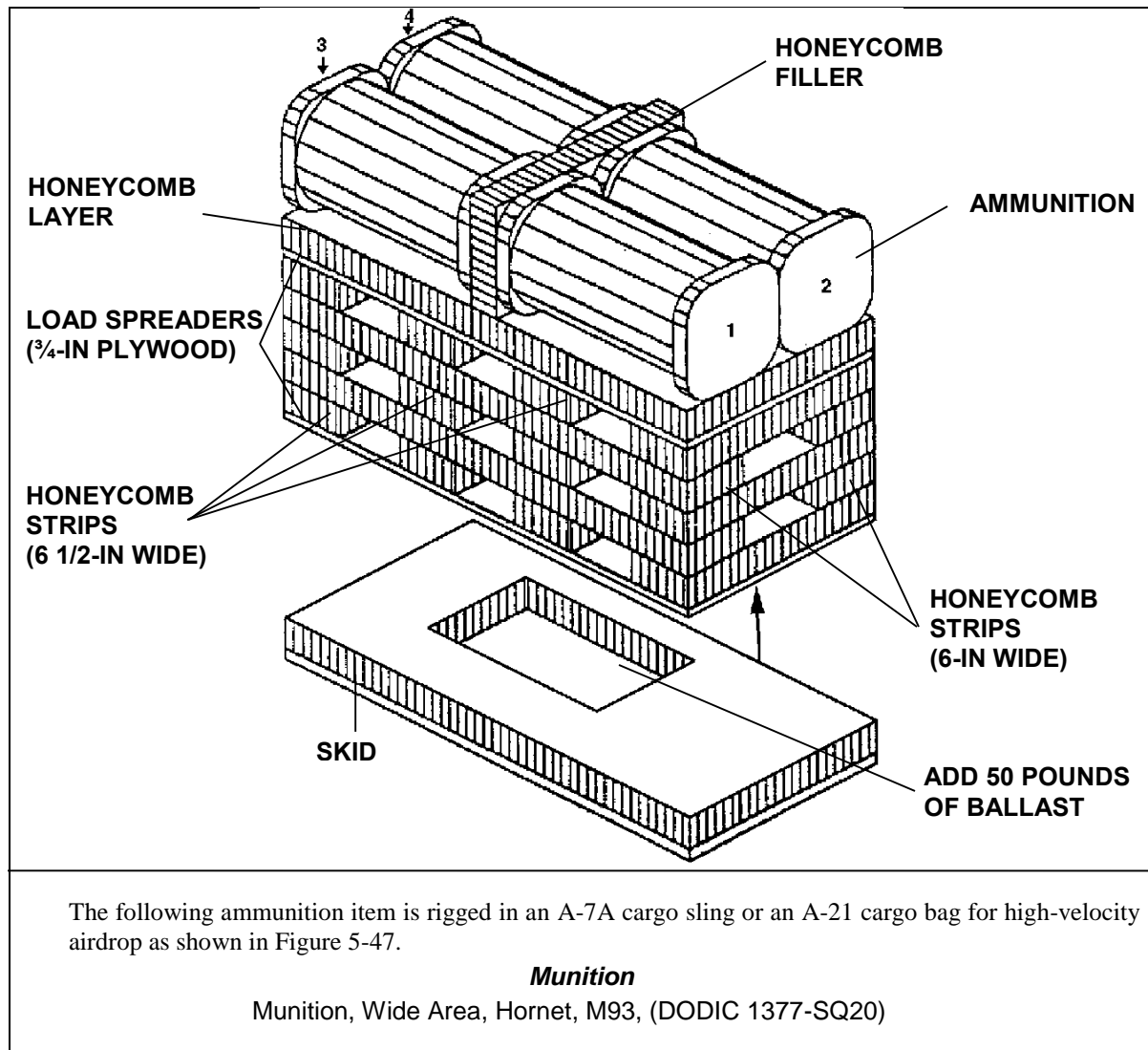
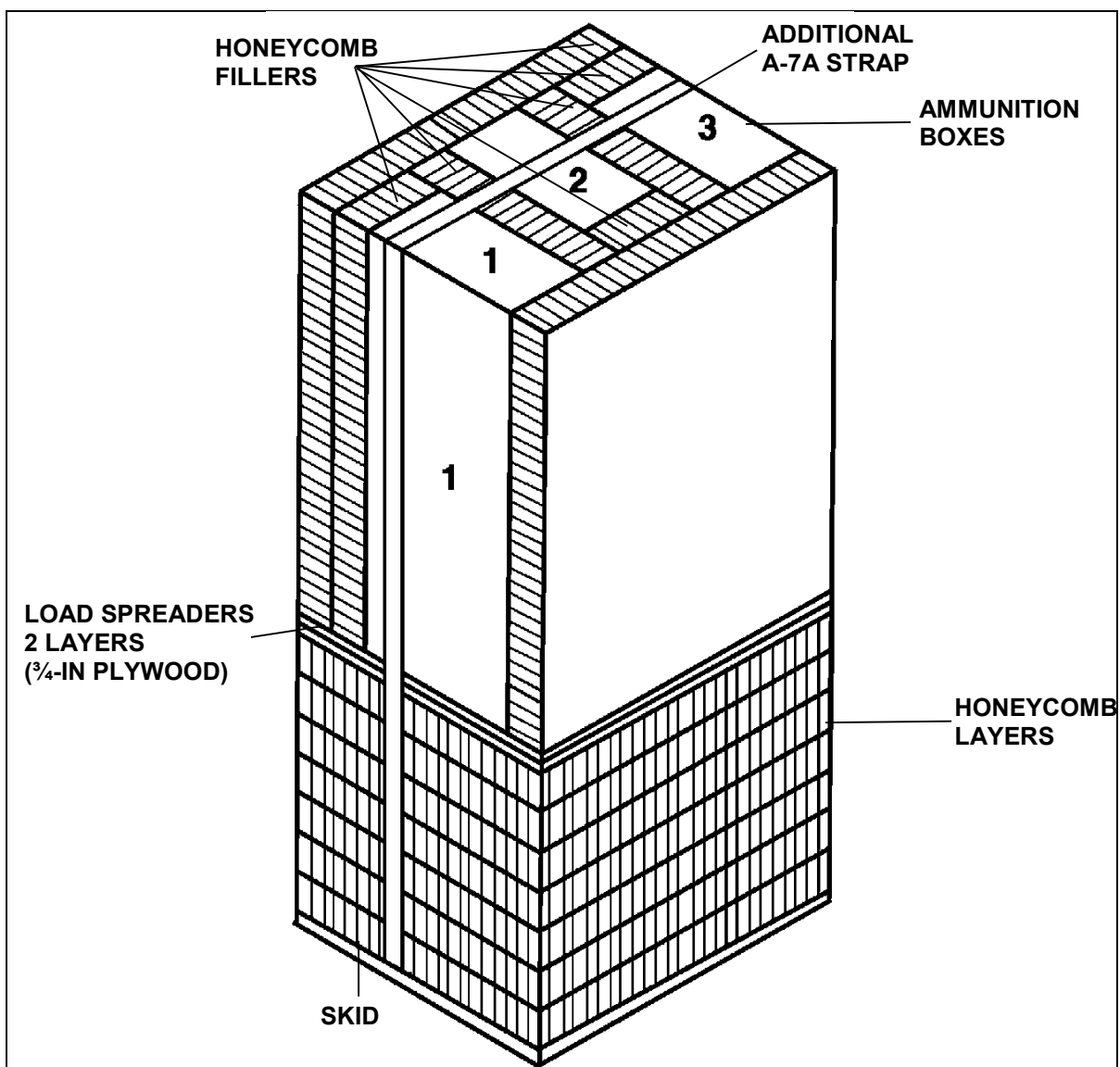


Figure 5-47. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop



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

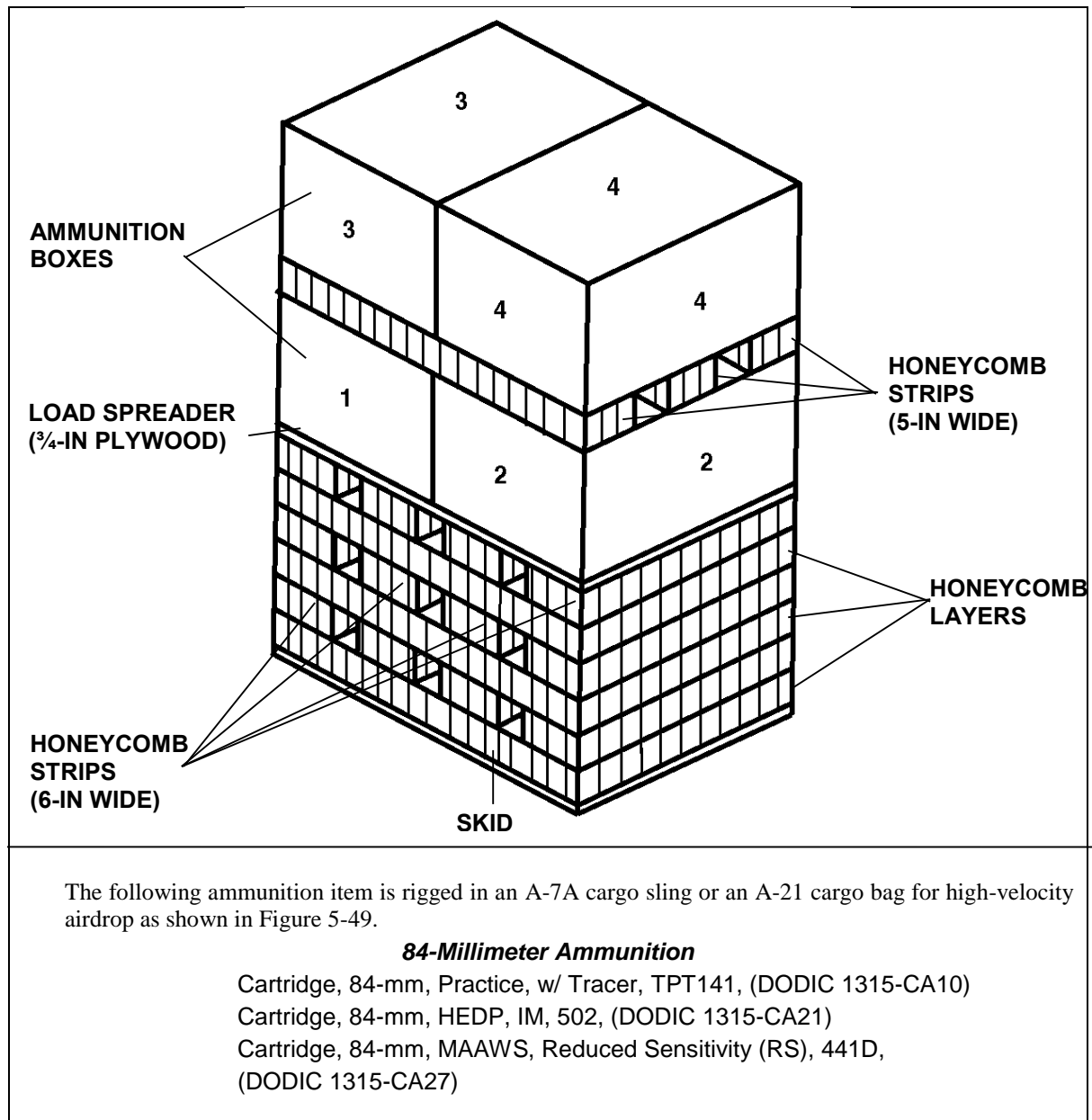


Figure 5-49. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

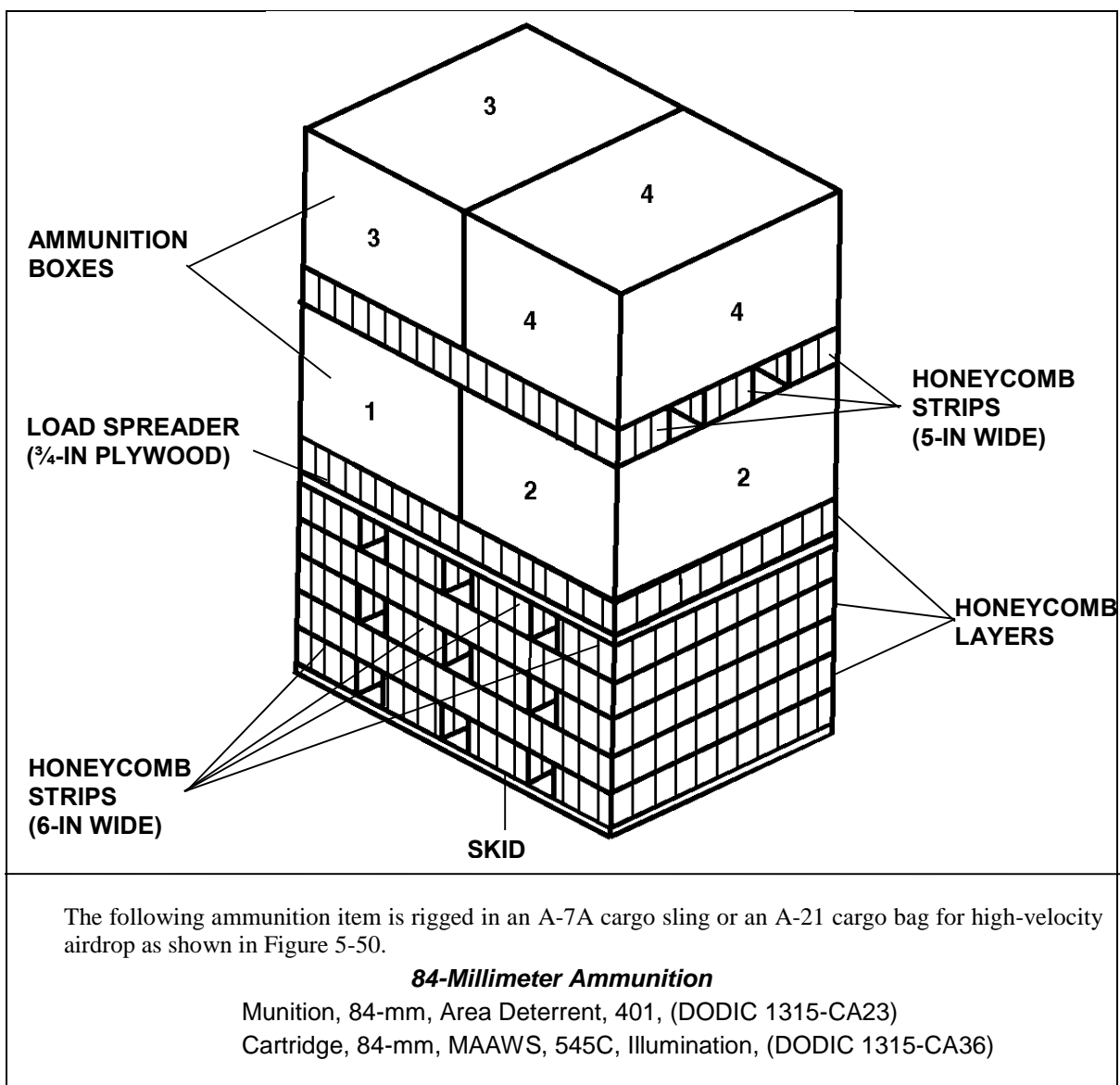


Figure 5-50. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

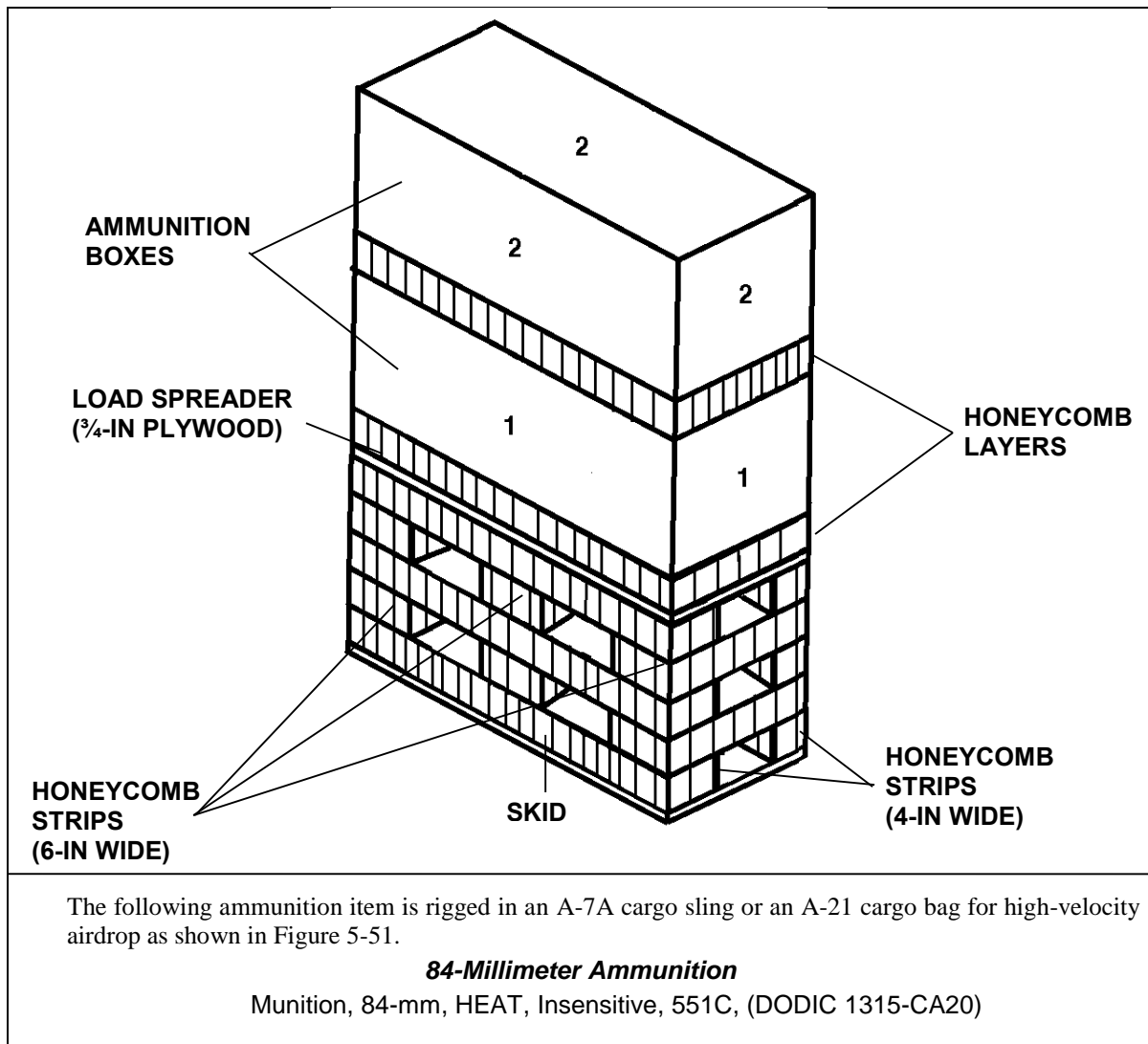


Figure 5-51. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

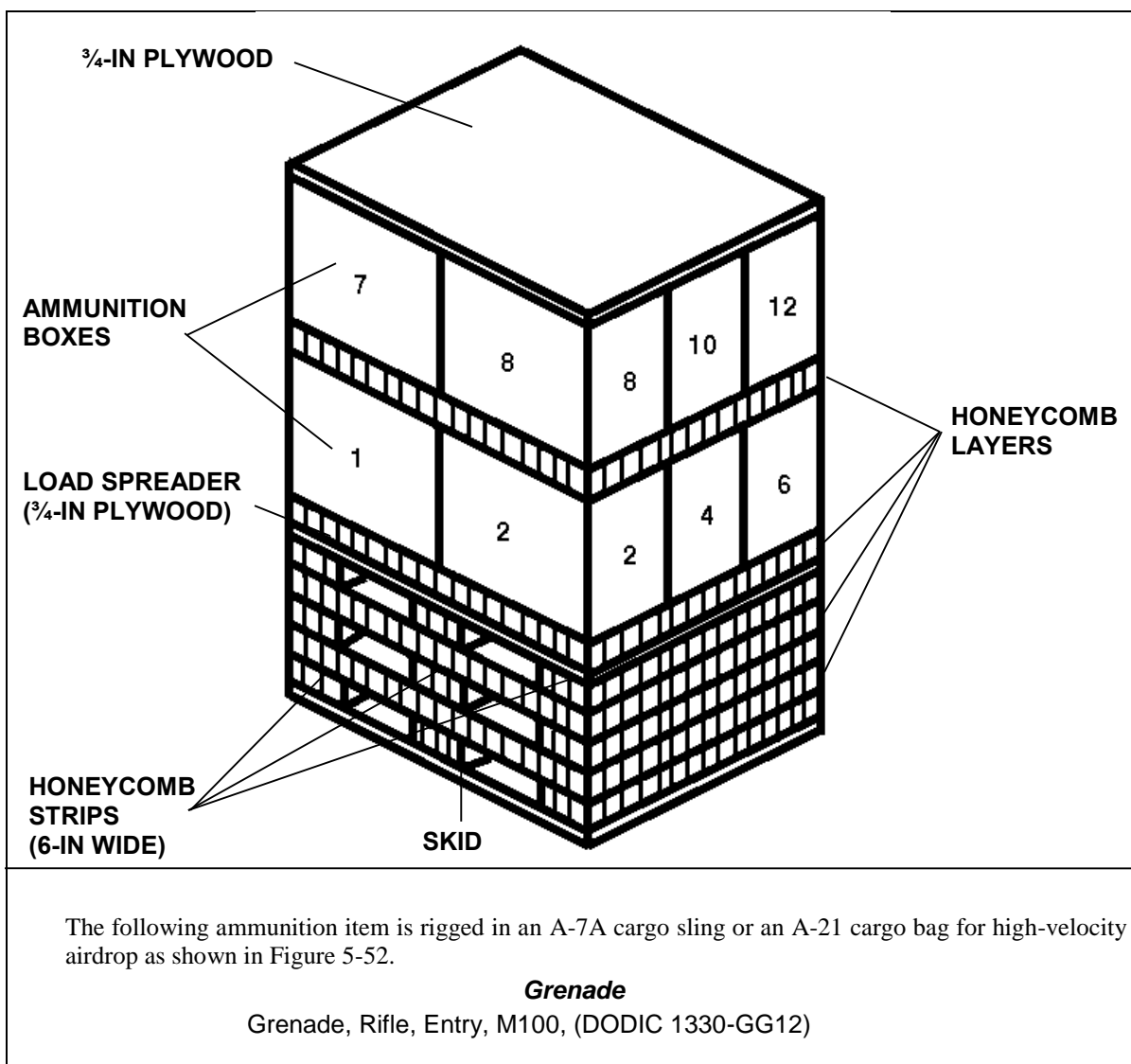


Figure 5-52. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

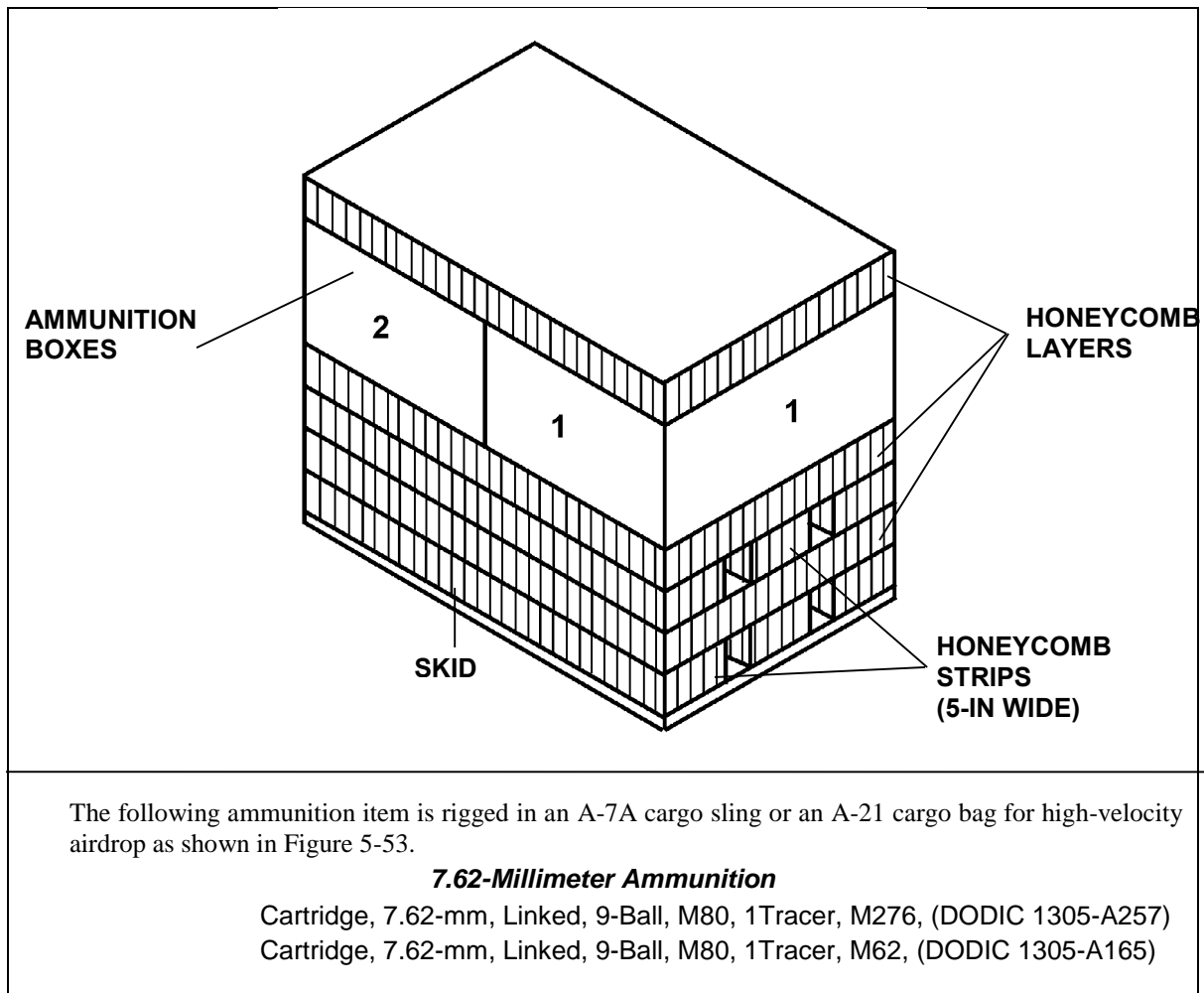


Figure 5-53. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop

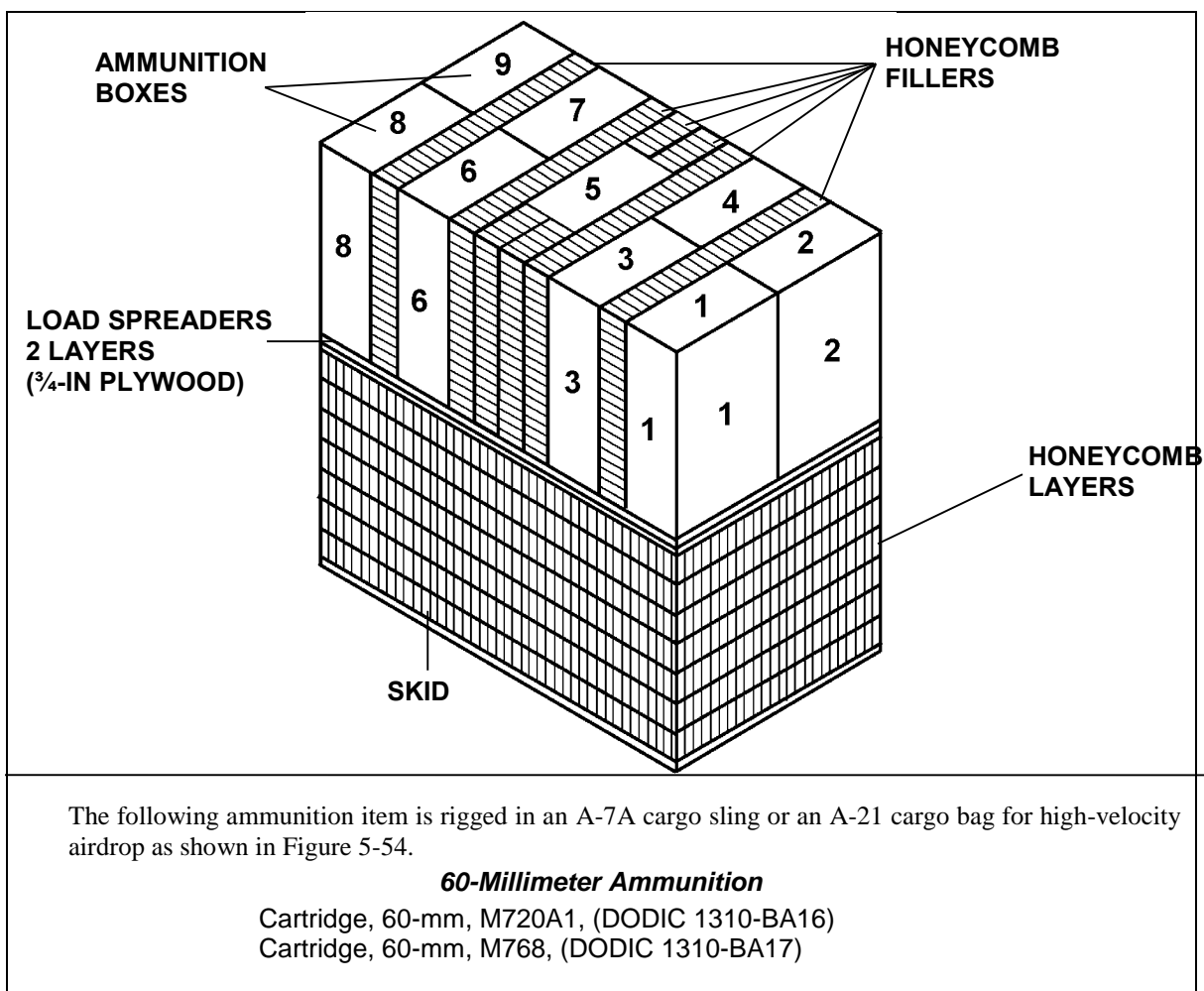
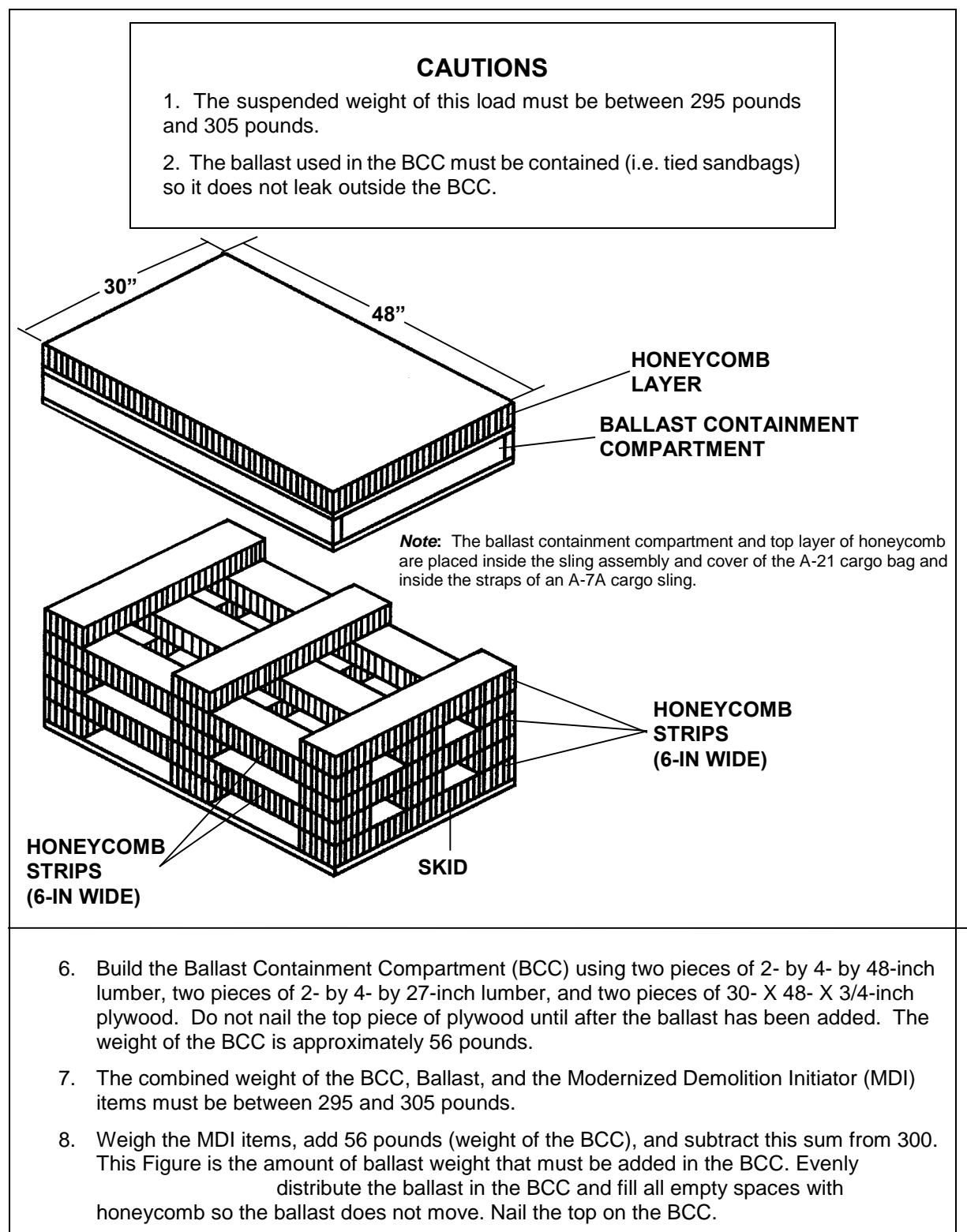


Figure 5-54. Ammunition layout in an A-7A cargo sling or an A-21 cargo bag for high-velocity airdrop



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 TM 4-48.03/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)

This page intentionally left blank.

Appendix A

Equipment Required

<i>National Stock Number</i>	<i>Item</i>
8040-00-273-8713	Adhesive, Paste, 1-gal
1670-00-242-9173	Bag, Cargo, Aerial Delivery, A-21
1670-00-587-3421	Bag, Cargo, Aerial Delivery, A-22
4030-00-678-8562	Clevis Assembly, Medium, 3/4-Inch, Shackle
1670-01-523-7246	Container, Low Cost
4020-00-240-2146	Cord, Nylon, Type III, 550-lb
8135-00-664-6958	Cushioning Material, Cellulose Padding
8305-00-958-3685	Felt, Sheet, 1/2-Inch
3540-00-565-6242	Kit, Steel Strapping and Sealing, 5/8-Inch
1670-00-753-3928	Pad, Energy, Dissipating, Honeycomb
	Parachute Cargo:
1670-01-065-3755	G-12E
1670-00-999-2658	G-14
	Parachute, Cargo, Extraction:
1670-01-063-3715	15-foot
1670-01-063-3716	22-foot
	Parachute, Cargo, High-Velocity:
1670-00-788-8666	12-foot
1670-00-872-6109	26-foot
1670-01-529-1202	Parachute, Low Cost, High-Velocity
1670-00-216-7297	Parachute, Pilot, 68-Inch
5530-00-128-4981	Plywood, 3/4-Inch
5530-00-914-5118	Plywood, 1-Inch
8135-00-290-1086	Seal, Steel, Strapping, 5/8-Inch
1670-01-342-5913	Skid, Cargo Bag, Platform, Plywood, 1"(CDS)
1670-00-251-1153	Sling, Cargo, A/D, 500-lb Capacity, 188-Inch, A-7A
1670-01-062-6301	Sling, Cargo, A/D, 3-ft (2 Loop) Type XXVI
8135-00-283-0667	Strapping, Steel, 5/8-Inch
8305-00-074-5124	Tape, Adhesive, 2-Inch
8310-00-917-3945	Thread, Cotton, 8/7 (Ticket #5)
	Webbing:
8305-00-268-2411	Cotton, 1/4-Inch, Type I
8305-00-082-5752	Nylon, Tubular, 1/2-Inch
8305-00-263-3591	Nylon, Type VIII

This page intentionally left blank.

Appendix B

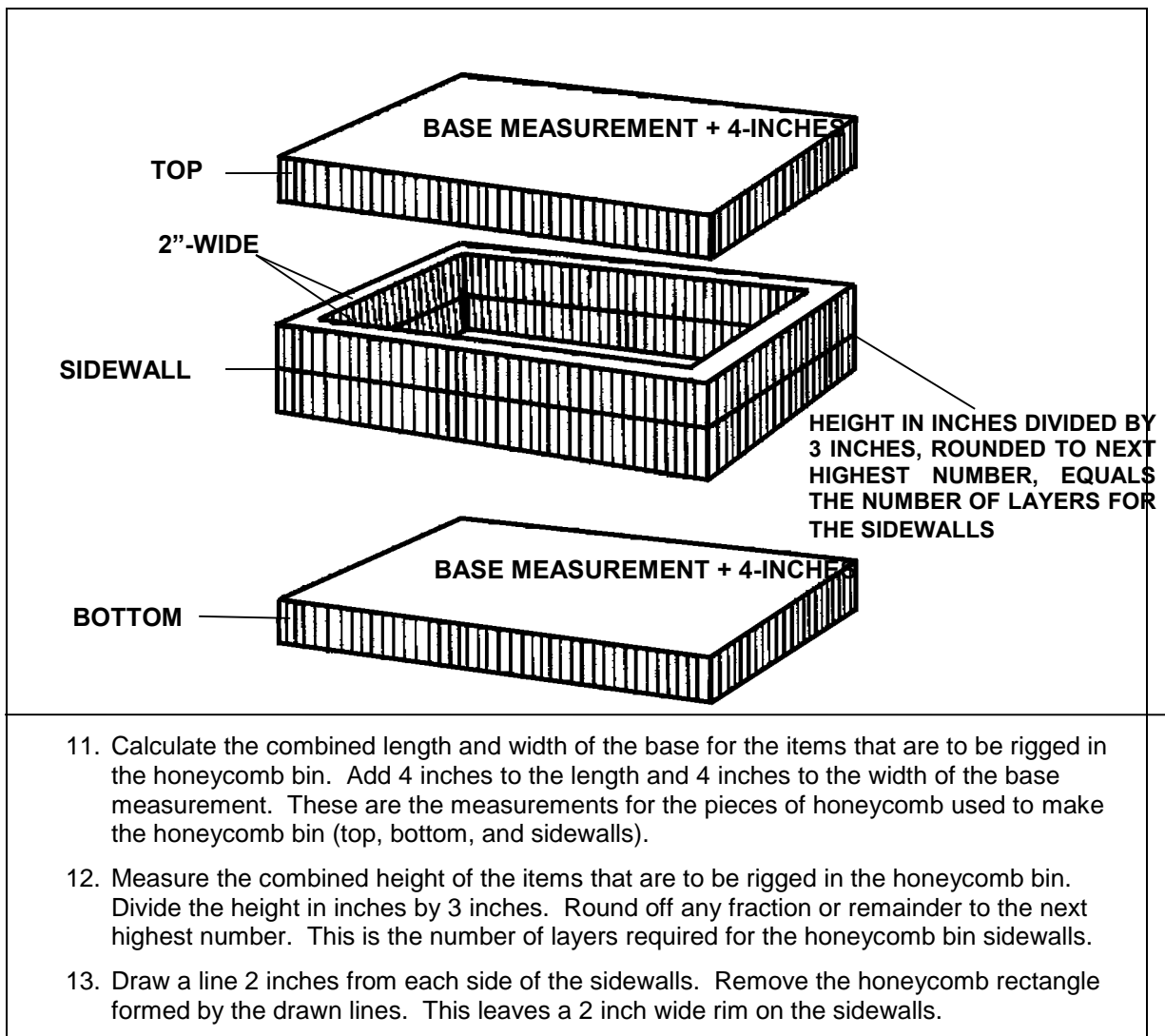
Fabrication of Honeycomb Bin

INTRODUCTION

B-1. 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

B-2. Rig the honeycomb bin using the procedures shown below in figure B-1. .



B-1. Honeycomb bin

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

Acronyms in figures are included in this listing.

ABC	atomic biological and chemical
A/C	aircraft
ADAM	Area denial artillery munition
AFB	Air Force Base
AFTO	Air Force Technical Order
AP	armor-piercing
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
ARNG	Army National Guard
AT	antitank
BCC	ballast container compartment
BD	base detonating
BDM	bunker defeat munition
BE	base ejection
CRR	complete round rigging
CS	confined space
CVR	centerline vertical restraint
DA	Department of the Army
DAM	demolition attack munition
DoD	Department of Defense
DODIC	Department of Defense Identification Code
DPICM	dual purpose improved conventional munition
FM	field manual
HC	hexachloroethane zinc oxide powdered aluminum
HD	distilled mustard gas
HE	high explosive
HEAT	high-explosive antitank
HEAT-MP	high-explosive antitank-multipurpose
HEAT-MP-T	high-explosive antitank-multipurpose—tracer
HEAT-SD	high-explosive antitank-self-destruct
HEAT-T	high-explosive antitank—tracer
HEDP	high explosive dual purpose
HEI	high-explosive incendiary

HEI-T	high-explosive incendiary—tracer
HEI/TP-T	high explosive incendiary-target practice—tracer
HEI-T-SD	high-explosive incendiary—tracer self-destruct
HEP-T	high-explosive plastic tracer
HERA	high explosive rocket assisted
HQ	headquarters
in	inch
lb	pound
LCADS	low cost aerial delivery system
MACS	modular artillery charge system
MAAWS	multi-purpose, anti-personnel, anti-armor weapon system's
mg	machine gun
MDI	modernized demolition initiator
mm	millimeter
Mod	model
MPSM	multi-purpose sub-munition
MT	mechanical time
MTSQ	mechanical time, superquick
NALC	Navy Ammunition Logistics Code
NATO	North Atlantic Treaty Organization
NO	number
NSN	national stock number
PD	point detonating
PETN	pentaerythritol tetranitrate
RAAM	remote anti-armor mine
RAAM-L	remote anti-armor mine-long delay
RAAMS	remote anti-armor mine system
RADAM	remote area denial artillery munition
rd	round
SD	self-destruct
sec	second
SLAM	selectable lightweight attack munition
TD-T	target detonation-tracer
TM	technical manual
TNT	trinitrotoluene
TO	technical order
TOW	tube-launched, optically tracked, wire-guided
TP-T	target practice tracer
TRADOC	United States Army Training and Doctrine Command
USAR	United States Army Reserve

w	with
WB	white bag
WDU	warhead detonation unit
WHD	warhead
WP	white phosphorous
WP-T	white phosphorous-tracer

This page intentionally left blank.

References

REQUIRED PUBLICATIONS

These documents must be available to intended users of this publication.

ADRP 1-02. Operational Terms and Military Symbols. 7 December 2015.

DA PAM 25-30. *Consolidated Index of Army Publications & Blank Forms*.

JP 1-02. *Department of Defense Dictionary of Military and Associated Terms*. 8 November 2010.

MCRP 5-12C. *Marine Corps Supplement to the Department of Defense Dictionary of Military and Associated Terms*. 23 July 1998.

RELATED PUBLICATIONS

These documents contain relevant supplemental information

MULTI-SERVICE PUBLICATIONS

Most Army doctrinal publications are available online: www.apd.army.mil/ Most Air Force doctrinal publications are available online: <http://www.e-publishing.af.mil/>

AFMAN 24-204/TM 38-250/NAVSUP 505/MCO P4030.19/ DLAI 4145.3/ DCMAD1, CH3.4 (HM24), *Preparing Hazardous Materials for Military Air Shipments*. 03 December 2012.

TM 4-48.03/MCRP 4-11.3C/TO 13C7-1-11. *Airdrop of Supplies and Equipment: Rigging Containers*. 15 March 2016.

TM 4-48.15/MCRP 4-11.3A/TO 13C7-1-171. *Airdrop of Supplies and Equipment: Rigging Dragon and Javelin Missiles*. 15 March 2016.

TM 4-48.17/MCRP 4-11.3M/TOC7-1-111. *Airdrop of Supplies and Equipment: Rigging High-Mobility Multipurpose Wheeled Vehicles*. 15 March 2016.

MARINE CORPS PUBLICATIONS

Marine Corps Order 3900.15B. *Marine Corps Expeditionary Force Development System*. 10 March 2008. Obtain at Marine Corps Publications Electronic Library Online: <http://www.marines.mil/News/Publications/ELECTRONICLIBRARY.aspx>.

PRESCRIBED FORMS

None.

REFERENCED FORMS

Unless otherwise indicated, DA Forms are available on the APD web site (www.apd.army.mil) and AF Forms are available at: (http://www.e-publishing.af.mil).

AF Form 847. *Recommendation for Change of Publication*

DA Form 2028. *Recommended Changes to Publications and Blank Forms*

This page intentionally left blank.

Index

Entries are listed by page number unless indicated otherwise.

A Additional Certified Munitions, 1-1 Ammunition and Missile Rigging Tables Instructions, 1-1	P Parachute Requirements, 1-1, 2-1, 3-1, 4-1, 5-1 Preparing A-22 Cargo Bag, 3-1 Preparing A-7A Cargo Slings and A-21 Cargo Bags, 5-1 Preparing A-7A Cargo Slings and A-21 Cargo Bags, 4-1	Rigging the Honeycomb Bin, 5-1
E Equipment Required, 1-1	R Rigging The A-22 Cargo Bag, 2-1	S Scope, xiii Special Instructions, 1-1, 2-1, 3-1, 4-1, 5-1
I Introduction, 5-1		U User Information, xiii

This page intentionally left blank.

TM 4-48.16/MCRP 4-11.3B/TO 13C7-18-41
(TM 4-48.16/MCRP 4-11.3B/TO 13C7-18-41)
15 March 2016

By Order of the Secretary of the Army:

MARK A. MILLEY
General, United States Army
Chief of Staff

Official:



GERALD B. O'KEEFE
Administrative Assistant to the
Secretary of the Army
1606901

By Direction of the Commandant of the Marine Corps:



ROBERT S. WALSH
Lieutenant General, United States Marine Corps
Deputy Commandant for Combat Development and Integration

By order of the Secretary of the Air Force



ELLEN M. PAWLIKOWSKI
General, United States Air Force
Commander, AFMC

MARK A. WELSH III
General, United States Air Force
Chief of Staff

DISTRIBUTION:

Active Army, Army National Guard, and United States Army Reserve: Distributed in electronic media only (EMO).

This page intentionally left blank.

