

APPENDIX 45T

UNITIZATION PROCEDURES FOR BOXED AMMUNITION AND COMPO- NENTS ON 4-WAY ENTRY PALLETS

**CARTRIDGE, 105MM, PACKED 2 PER WOODEN BOX,
UNITIZED 18 BOXES PER 40" X 48" PALLET;
APPROX BOX SIZE 39-7/8" L X 14-1/8" W X 8-23/32" H**

NOTICE: THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4116-20PA1002.

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U.S. ARMY MATERIEL COMMAND DRAWING

<p style="text-align: center;">APPROVED, U.S. ARMY FIELD SUPPORT COMMAND <i>TPA</i></p> <p style="text-align: center;"><i>David A. Robinson</i> AMSRS-AAR-AIL-TP</p>	<p>CAUTION: VERIFY PRIOR TO USE AT WWW.DAC.ARMY.MIL THAT THIS IS THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4.</p>					
<p style="text-align: center;"><i>David A. Robinson</i> AMSFS-ST</p>	DO NOT SCALE		JULY 1986			
	ENGINEER OR TECHNICIAN	BASIC REV.	LAURA A. FIEFFER			
<p style="text-align: center;">APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIEL COMMAND</p> <p style="text-align: center;"><i>J. P. White</i></p> <p style="text-align: center;">U.S. ARMY DEFENSE AMMUNITION CENTER</p>	TRANSPORTATION ENGINEERING DIVISION	<i>G. L. Willis</i>		REVISION NO. 1	JULY 2005	
	VALIDATION ENGINEERING DIVISION	TESTED	SEE THE REVISION LISTING ON PAGE 2			
	ENGINEERING DIRECTORATE		CLASS	DIVISION	DRAWING	FILE
			19	48	4116/ 45T	20PA1002

PALLET UNIT DATA				
ITEMS INCLUDED		*HAZARD CLASS AND DIVISION	*COMPATIBILITY GROUP	APPROX WEIGHT (LBS)
NSN	DODIC			
1315-00-001-7868	C494	1.2.1	C	2,376
00-752-8374	C505	1.2.1	C	2,376
01-030-6837	C505	1.2.1	C	2,376

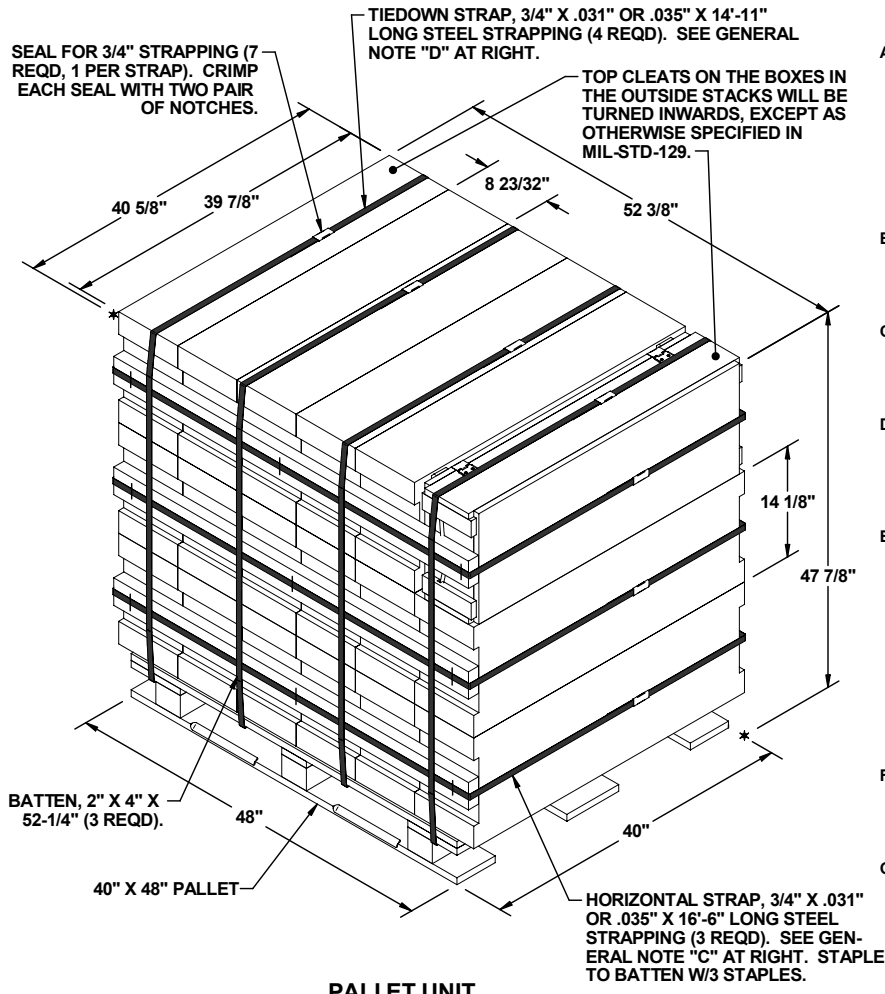
*HAZARD AND CLASSIFICATION DATA CONTAINED IN THE ABOVE CHART IS FOR GUIDANCE AND INFORMATIONAL PURPOSES ONLY. VERIFICATION OF THE SPECIFIED DATA SHOULD BE MADE BY CONSULTING THE MOST RECENT JOINT HAZARD CLASSIFICATION SYSTEM LISTING OR OTHER APPROVED LISTING(S).

REVISION

REVISION NO. 1, DATED JULY 2005, CONSISTS OF:

1. ADDING ITEM BY NATIONAL STOCK NUMBER TO "PALLET UNIT DATA" CHART.
2. UPDATING HAZARD DATA IN "PALLET UNIT DATA" CHART.
3. REMOVING REFERENCES TO STRAP CUTTER (GENERAL NOTE "F").
4. REMOVING TWO TIEDOWN STRAPS.
5. UPDATING DRAWING FORMAT.

GENERAL NOTES



PALLET UNIT
SEE GENERAL NOTE "B" AT RIGHT.

18 BOXES OF 105MM CARTRIDGE (2 PER BOX) @ 126 LBS	---	2,268 LBS
DUNNAGE	-----	28 LBS
PALLET	-----	80 LBS

TOTAL WEIGHT ----- 2,376 LBS (APPROX)
CUBE ----- 58.9 CU FT (APPROX)

BILL OF MATERIAL		
LUMBER	LINEAR FEET	BOARD FEET
2" x 4"	13.06	8.71
PALLET, 40" x 48"	1 REQD	80 LBS
STEEL STRAPPING, 3/4"	109.17' REQD	9.75 LBS
SEAL FOR 3/4" STRAPPING	7 REQD	NIL
STAPLE, 15/16" x 3/4"	9 REQD	NIL

A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4116-20PA1002. TO PRODUCE AN APPROVED UNIT LOAD, ALL PERTINENT PROCEDURES, SPECIFICATIONS AND CRITERIA SET FORTH WITHIN THE BASIC DRAWING WILL APPLY TO THE PROCEDURES DELINEATED IN THIS APPENDIX. ANY EXCEPTIONS TO THE BASIC PROCEDURES ARE SPECIFIED IN THIS APPENDIX.

B. DIMENSIONS, CUBE AND WEIGHT OF A PALLET UNIT WILL VARY SLIGHTLY DEPENDING UPON THE ACTUAL DIMENSIONS OF THE BOXES AND THE WEIGHT OF THE SPECIFIC ITEM BEING UNITIZED.

C. INSTALL EACH HORIZONTAL STRAP TO ENIRCLE A LAYER OF BOXES ON THE PALLET. HORIZONTAL STRAPS MUST BE TENSIONED AND SEALED PRIOR TO THE APPLICATION OF TIEDOWN STRAPS.

D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE DECK/STRINGER BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL THE HORIZONTAL STRAPS HAVE BEEN TENSIONED AND SEALED.

E. THE FOLLOWING AMC DRAWINGS ARE APPLICABLE FOR UNLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.

CARLOADING - - - - 19-48-4115-5PA1002
TRUCKLOADING - - - - 19-48-4117-11PA1003
STORAGE - - - - 19-48-4118-1-2-3-4-14-22PA1002

END OPENING ISO
CONTAINER - - - - 19-48-4153-15PA1002
MILVAN - - - - 19-48-4166-15PA1003
SIDE OPENING ISO
CONTAINER - - - - 19-48-4267-15PA1009

F. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS REVISION TO THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS REVISION.

G. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING 105MM CARTRIDGES WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS SHOWN ON PAGE 2, PROVIDED THE BOX PACK DOES NOT VARY FROM WHAT IS DELINEATED HEREIN. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN WHAT IS SHOWN.

H. THE STYLE 1 PALLET DELINEATED IN THE DETAIL AT LEFT NEED NOT HAVE CHAMFERS OR STRAP SLOTS AS SPECIFIED WITHIN MILITARY SPECIFICATION MIL-P-15011 WHEN USED FOR THE UNITIZATION OF ITEMS COVERED BY THIS APPENDIX.

J. ALL DUNNAGE SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH GENERAL NOTE "AA" IN THE BASIC PROCEDURES.

K. WHEN THE UNIT LOAD DEPICTED AT LEFT IS TO BE USED FOR UNITIZING MARINE CORPS AMMUNITION, ONE LAYER OF BOXES MUST BE OMITTED, TIEDOWN STRAP LENGTHS MUST BE DECREASED TO 12'-7", AND ONE HORIZONTAL MUST BE OMITTED. THIS WILL RESULT IN AN OVERALL UNIT HEIGHT OF 33-3/4", A GROSS UNIT WEIGHT OF 1,812 POUNDS, AND A UNIT CUBE OF 41.6 CUBIC FEET. ADDITIONALLY, THE UNIT MAY BE MODIFIED AS DESCRIBED WHEN BEING SHIPPED BY MILVAN OR ISO INTERMODAL FREIGHT CONTAINER, VAN TRAILER, OR BOXCAR. THE DETERMINATION TO REDUCE THE LOAD BY A LAYER FOR TRANSPORTATION WILL BE MADE BY THE RESPONSIBLE COMMAND AND WILL BE BASED UPON ECONOMICS OF TRANSPORTATION AND HANDLING.

L. FOR DETAILS OF THE WOODEN BOX SEE ARDEC DRAWING 8835039.

