

# APPENDIX 128

## UNITIZATION PROCEDURES FOR BOXED AMMUNITION AND COMPONENTS ON 4-WAY ENTRY PALLETS

FIRING DEVICE, DEMOLITION, MI, PACKED 120 PER  
WOODEN BOX, UNITIZED 60 BOXES PER 40" X  
48" PALLET; APPROX BOX SIZE  $14\frac{1}{4}"$  L X  $10\frac{1}{8}"$  W  
X  $7\frac{7}{8}"$  H

PALLET UNIT DATA						
ITEMS INCLUDED		HAZARD CLASSIFICATION				WEIGHT (LBS)
NSN	DODIC	DOT CLASS	CG CLASS	OD CLASS	COMP GROUP	
1375-00- 028-5196	M620	C	I	1	BEN	1,229
028-5197	M621	C	I	1	BEN	1,229
028-5198	M622	C	I	1	BEN	1,229

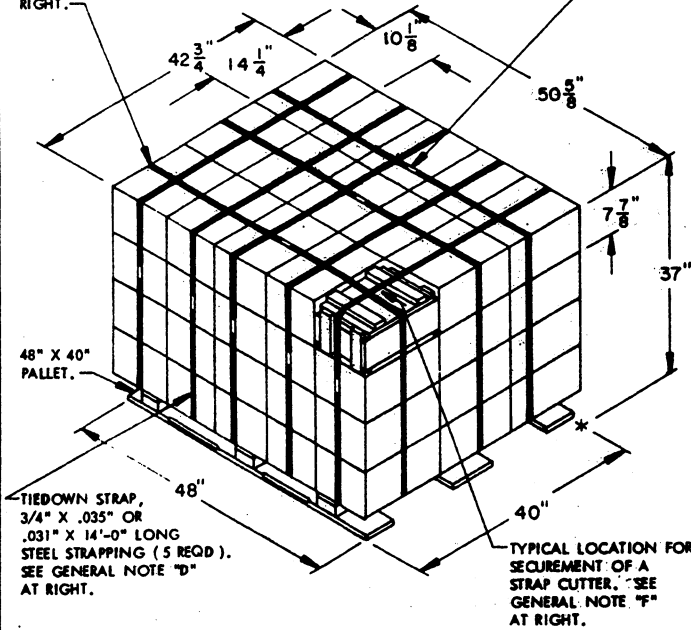
**NOTICE:** THIS APPENDIX CANNOT STAND ALONE BUT MUST  
BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION  
PROCEDURES DRAWING 19-48-4116-20PA1002.

REVISIONS			
			<small>APPROVED BY ORDER OF COMMANDING GENERAL, U. S. ARMY MATERIAL DEVELOPMENT AND READINESS COMMAND DARCOM</small> <i>Robert V. Smith</i> <i>David F. Felt</i> <small>DARCOM - MAD      DARCOM - TMA</small> <small>DARCOM AMMO CENTER</small> <b>U. S. ARMY DARCOM DRAWING</b> <b>APRIL 1977</b> <small>CLASS    DIVISION    DRAWING    FILE</small> <b>19      48      4116/128      20PA 1002</b>

**DO NOT SCALE**

LOAD STRAP, 3/4" X .035" OR .031" X 15'-0" LONG STEEL STRAPPING (3 REQD.). SEE GENERAL NOTE "C" AT RIGHT.

SEAL FOR 3/4" STRAPPING (8 REQD., 1 PER STRAP). CRIMP EACH SEAL WITH TWO PAIR OF NOTCHES.



**PALLET UNIT**

SEE GENERAL NOTE "B" AT RIGHT.

60 BOXES OF FIRING DEVICE (120 PER BOX) @ 19 LBS ---- 1,140 LBS (APPROX)  
 DUNNAGE ----- 9 LBS  
 PALLET ----- 80 LBS

TOTAL WEIGHT ----- 1,229 LBS (APPROX)

CUBE ----- 46.3 CU FT (APPROX)

**BILL OF MATERIAL**

PALLET, 40" X 48"	1 REQD	80 LBS
STEEL STRAPPING 3/4"	115 REQD	9 LBS
SEAL FOR 3/4" STRAPPING	8 REQD	NIL

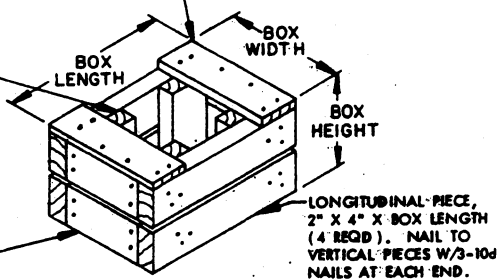
**GENERAL NOTES**

- 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. THE LOAD STRAPS MAY BE THREADED THROUGH THE STRAP SLOT OF A PALLET OR PRE-POSITIONED ON THE PALLET DECK PRIOR TO PLACING BOXES ON THE PALLET. LOAD STRAPS MUST BE TENSIONED AND SEALED PRIOR TO APPLICATION OF TIEDOWN STRAPS.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE DECK/STRINGER BOARDS OF THE PALLET AND TO BE LOCATED BETWEEN THE VERTICAL END CLEATS OF THE BOXES. TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL THE LOAD STRAPS HAVE BEEN TENSIONED AND SEALED.
- E. THE FOLLOWING DARCOM DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.  
 CARLOADING ----- DRAWING 19-48-4115-SPA1002  
 TRUCKLOADING ----- DRAWING 19-48-4117-11PA1003  
 STORAGE ----- DRAWING 19-48-4118-1-2-14-22PA1002
- F. FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE DARCOM DRAWING 19-48-4127-20P1000.
- G. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- H. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING FIRING DEVICE WHEN IDENTIFIED BY A DIFFERENT NATIONAL STOCK NUMBER (NSN) THAN THOSE SHOWN ON THE TITLE PAGE, PROVIDED THE BOX PACK DOES NOT VARY FROM THOSE SHOWN HEREIN. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN THOSE SHOWN.

TIE PIECE, 1" X 4" X BOX WIDTH (2 REQD). NAIL TO LONGITUDINAL PIECES W/2-6d NAILS AT EACH END AND TO LATERAL PIECE W/2-6d NAILS.

VERTICAL PIECE, 2" X 4" X BOX HEIGHT MINUS 3/4" (4 REQD).

LATERAL PIECE, 2" X 4" X BOX WIDTH MINUS 3" (4 REQD). NAIL TO VERTICAL PIECES W/2-10d NAILS AT EACH END.



**FILLER ASSEMBLY**

(FOR MINUS ONE BOX)