APPENDIX 62

UNITIZATION PROCEDURES FOR AMMUNITION AND COMPONENTS PACKED IN CYLINDRICAL METAL OR PLASTIC CONTAINERS ON 4-WAY ENTRY PALLETS

2.75" HYDRA ROCKET, PACKED 4 PER M643 HDPE CONTAINER, UNITIZED 12 PER 69-3/4" X 41" METAL BOTTOM FRAME AND PALLET WITH TOP LIFT ADAPTER; APPROX CONTAINER SIZE 70" L X 10-1/8" W X 10-1/8" H

<u>NOTICE:</u> THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4231-20PM1006.

DISTRIBUTION STATEMENT A

APPROVED FOR PUBLIC RELEASE DISTRIBUTION IS UNLIMITED.

U.S. ARMY MATERIEL COMMAND DRAWING

APPROVED, COMBAT CAPABILITIES DEVELOPMENT COMMAND ARMAMENTS CENTER HANSSEN.JO Digitally signed by HANSSEN.JOSEPH.W. SEPH.W.1376 1376495538	<u>CAUTION</u> : VERIFY PRIOR TO USE AT https://www.dau.edu/cop/ammo/Pages/Default.aspx THAT THIS IS THE MOST CURRENT VERSION OF THIS DOCUMENT. THIS IS PAGE 1 OF 4.								
495538 Date: 2021.12.09 08:47:51 -06'00' FCDD-ACE-LTF	DO NOT SCALE				OCTOBER 2012				
APPROVED, U.S. ARMY JOINT MUNITIONS COMMAND	DESIGN	BASIC	QUYEN TRAN						
WARD.GINA. Digitally signed by WARD.GINA.M.1369379808 Date: 2021.12.09 10:16:53 Date: 2021.12.09 10:16:53	ENGINEER	REV.	QUYEN TRAN		REVISION NO. 2 NOVEMBER 2021				
IVI. 1309379000 -06'00' AMSJM-MLT	ENGINEER	ING F	FIEFFER.LAUR						
AMISJMINE APPROVED BY ORDER OF COMMANDING GENERAL,	DIVISON		A.A.1230375727 Date: 2021.11.18 08:12:52 -06'00'	SEE THE REVISION LISTING ON PAGE 2					
U.S. ARMY MATERIEL COMMAND	TEST ENGINEER		FELICIANO.AD	CLASS	DIVISION	DRA	WING	FILE	
SMITH.THERESA. Digitally signed by SMITH.THERESA.ANN.1009147	TEST REPORT 11	-19	IN.1259200373						
ANN.1009147639 639 Date: 2021.12.13 08:13:51 -06'00' U.S. ARMY DEFENSE AMMUNITION CENTER			BRAILSFORD.KEIT H.ANTHONY.10286 USB65661 55661 Date: 2021.11.29 11:46:37-9600'	19	48	4231/62		20PM1006	

PALLET UNIT DATA								
ITEMS INCLUDED		*						
NSN	DODIC	*HAZARD CLASS AND DIVISION	*COMPATI- BILITY GROUP	APPROX WEIGHT (LBS)				
1340-								
01-599-4364	HA12	1.2.1	Е	2,117				
01-599-4908	HA13	1.2.1	G	2,108				
01-628-6510	HA13	1.2.1	G	2,108				
01-599-5487	HA75	1.1	E	2,378				
01-599-5517	HA76	1.2.1	н	2,126				
01-658-6792	HB17	1.1	E	2,117				
01-655-7715	HB18	1.2.1	н	2,126				

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

REVISIONS

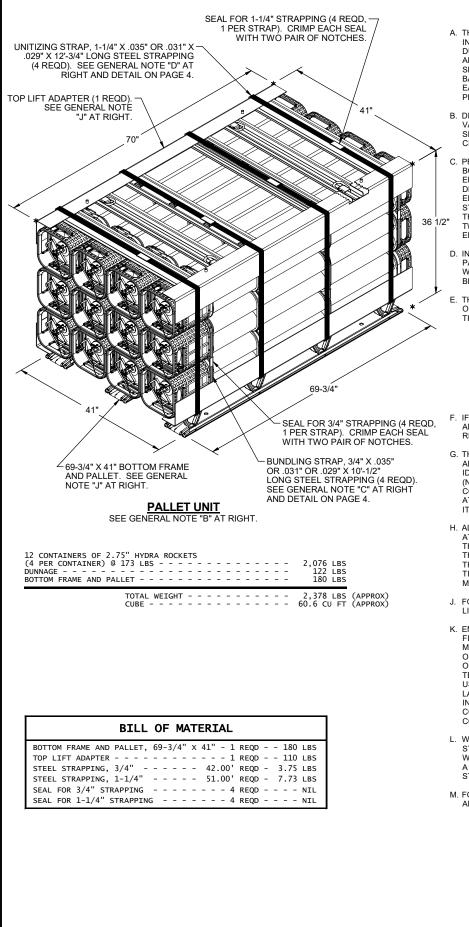
REVISION NO. 1, DATED MARCH 2020, CONSISTS OF CHANGES PER ECP MI-R0971R1 INCLUDING:

1. REVISING ITEM NOMENCLATURE ON COVER PAGE.

REVISING HAZARD CLASS FOR ITEM ON "PALLET UNIT DATA" CHART.
UPDATING THE APPROVAL BLOCKS ON COVER PAGE.

REVISION NO. 2, DATED NOVEMBER 2021, CONSISTS OF CHANGES PER ECP R21K3002 INCLUDING:

ADDING ITEMS BY NATIONAL STOCK NUMBER TO "PALLET UNIT DATA" CHART.
UPDATING PALLET UNIT WEIGHT ON PAGE 3 TO REFLECT HEAVIEST CONTAINER WEIGHT.

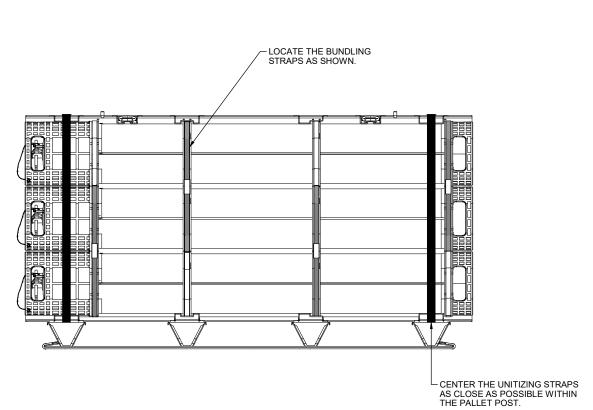


GENERAL NOTES

- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCE-DURES DRAWING 19-48-4231-20PM1006. TO PRODUCE AN APPROVED UNIT LOAD, ALL PERTINENT PROCEDURES, SPECIFICATIONS AND CRITERIA SET FORTH WITHIN THE BASIC DRAWING WILL APPLY TO THE PROCEDURES DELIN-EATED 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 DIMEN-SIONS OF THE CONTAINER AND THE WEIGHT OF THE SPE-CIFIC ITEM BEING UNITIZED.
- C. PREPOSITION TWO BUNDLING STRAPS ON TOP OF THE BOTTOM FRAME AND PALLET PRIOR TO PLACING CONTAIN-ERS ON THE PALLET. PREPOSITION THE OTHER TWO BUN-DLING STRAPS ON TOP OF THE FIRST LAYER OF CONTAIN-ERS PRIOR TO LOADING THE NEXT LAYER OF CONTAINERS. STRAPS MUST BE LOCATED AS SHOWN ON PAGE 4. UNITIZE THE TWO LOWER LAYERS OF CONTAINERS WITH THE FIRST TWO STRAPS. UNITIZE THE TOP TWO LAYERS OF CONTAIN-ERS WITH THE OTHER TWO STRAPS.
- D. INSTALL EACH UNITIZING STRAP TO PASS THROUGH THE PALLET POST AS SHOWN ON PAGE 4. UNITIZING STRAPS WILL NOT BE APPLIED UNTIL THE BUNDLING STRAPS HAVE BEEN TENSIONED AND SEALED.
- E. THE FOLLOWING AMC DRAWINGS ARE APPLICABLE FOR OUTLOADING 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						
	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 ISSU-ANCE OF THIS APPENDIX, THE CONTAINERS NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- G. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING 2.75" HYDRA ROCKETS WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS SHOWN ON PAGE 2, PROVIDED THE CONTAINER PACK DOES NOT VARY FROM WHAT IS DELINE-ATED HEREIN. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN WHAT IS SHOWN.
- H. ALTHOUGH THE CONTAINERS DEPICTED IN THE UNIT LOAD AT LEFT ARE CONSTRUCTED WITH INTERLOCKING DEVICES, THE INTERLOCKS WILL NOT FUNCTION PROPERLY UNLESS THE CONTAINERS ARE POSITIONED SO THAT THE "PINS" OF THE INTERLOCKS ARE FACING UPWARD. THIS ORIENTA-TION WILL AID IN THE PREVENTION OF CONTAINER MOVE-MENT DURING SHIPMENT OF THE UNIT LOAD.
- J. FOR DETAILS OF THE BOTTOM FRAME AND PALLET AND TOP LIFT ADAPTER, SEE DRAWING ACV00833 AND MIL-A-70788.
- K. EMPTY OR REJECT M643 CONTAINERS WILL BE USED AS FILLER CONTAINERS AS NECESSARY. FILLER CONTAINERS MUST BE INSTALLED IN THE MIDDLE OF THE TOP LAYER(S) OF CONTAINERS. IF FOUR FULL CONTAINERS ARE TO BE OMITTED, ONE FULL LAYER OF CONTAINERS WILL BE OMIT-TED. WHEN (EMPTY/REJECTED) FILLER CONTAINERS ARE USED IN PLACE OF OMITTED CONTAINERS TO COMPLETE A LAYER ON A PALLET, THEY WILL BE MARKED AS SPECIFIED IN AMCOM DRAWING NO. 13654226. A PALLET UNIT WILL CONSIST OF A MINIMUM OF EIGHT EMPTY, LIGHT, OR FULL CONTAINERS, OR A COMBINATION THEREOF.
- L. WHEN ONE OR MORE LAYERS ARE OMITTED, THE BUNDLING STRAP REQUIREMENT WILL CHANGE. A TWO LAYER UNIT WILL HAVE THE TWO UPPER BUNDLING STRAPS OMITTED. A UNIT WITH ONE LAYER DOES NOT REQUIRE BUNDLING STRAPS.
- M. FOR DETAILS OF M643 HDPE CONTAINER ASSEMBLY SEE AMCOM DRAWING 13654226.



SIDE VIEW

NOTE: TWO CENTER UNITIZING STRAPS, SIDE RAIL OF TOP LIFT ADAPTER AND SIDE RAIL OF BOTTOM FRAME AND PALLET WERE HIDDEN FOR CLARITY PURPOSES.