

MILITARY STANDARD

LOADING OF HAZARDOUS MATERIALS AND ASSOCIATED ITEMS IN MILVAN CONTAINERS

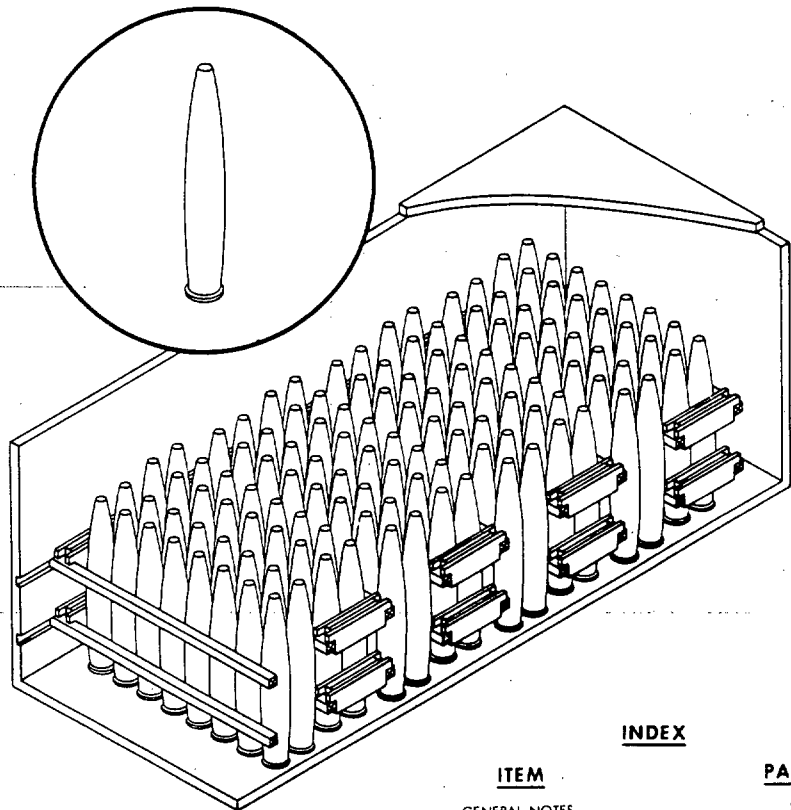
MIL-STD-1386-44
(NAVY)

27 SEPTEMBER 1974

BOMB, G.P., MK 82 AND MODS (500LB.)
EMPTY

BOMB DATA

WEIGHT, EMPTY (APPROXIMATE) 301 LBS
DIMENSIONS 61 3/8 L x 10 3/4 DIA
CUBE 4.10 CU FT
DOT HAZARD CLASSIFICATION INERT
COAST GUARD CLASS NONE



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NOTES:

1. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
2. FOR CROSS REFERENCE TO ASSOCIATED PALLETIZING, TRUCKLOADING AND CARLOADING MILITARY STANDARDS, REFER TO THE INDEX TO STANDARDS, MIL-HDBK-236 (NAVY).

FSC 8140

**AUTHORIZED FOR TRAILER-ON-
FLAT-CAR (TOFC), CONTAINER-ON-
FLAT-CAR (COFC), AND HIGHWAY
SHIPMENTS**

M.S. Lewis NMHC 9/20/74
SIGNATURE TECHNICAL DIRECTION AGENT (TDA) DATE
TE Kelly 9/20/74
SIGNATURE AIRVSCOM BY DIRECTION DATE

ORIGINATOR

Charles M. Brider 9/20/74
SIGNATURE

NAVAL WEAPONS HANDLING LABORATORY
N A D EARLE, NEW JERSEY

PAGE 1 OF 3

MIL-STD-1386-44 (NAVY)**GENERAL NOTES**

1. THIS DOCUMENT GIVES DETAILED INSTRUCTIONS FOR LOADING THE MILVAN CONTAINER WITH 500 LB MK 82 GENERAL PURPOSE BOMBS, EMPTY (BOMB BODIES).
2. THE MILVAN SHALL BE EQUIPPED WITH A MECHANICAL LOAD BRACING SYSTEM THAT MEETS THE REQUIREMENTS OF THE BUREAU OF EXPLOSIVES PAMPHLET 6C AND IF SHIPPED ON FLAT CARS, THE CARS SHALL COMPLY WITH THE REQUIREMENTS OF PAMPHLET 6C.
3. IN ADDITION TO THE BELT RAILS REQUIRED BY PAMPHLET 6C, THE MILVAN CONTAINER HAS BELT RAILS AT THE 72 AND 83 INCH HEIGHTS FROM THE CONTAINER FLOOR.

CAUTION

WHEN POSITIONING CROSSMEMBERS MAKE A VISUAL CHECK TO ENSURE THAT THE CROSSMEMBERS ARE LOCKED IN PLACE.

4. CONTAINERS ARE EQUIPPED WITH 25 CROSSMEMBERS. UNUSED CROSSMEMBERS MUST REMAIN WITH THE CONTAINER AND SHALL BE FASTENED INTO BELT RAILS FOR SHIPMENT.
5. WHEN THE LONGITUDINAL SLACK BETWEEN A CROSSMEMBER AND A ROW OF BOMBS PERMITS, INSTALL SHIM TO THE CROSSMEMBER TO FILL THE VOID BETWEEN THE LADING AND THE CROSSMEMBER. THIS SHIM STRIP MAY BE ADDED TO OR OMITTED AS REQUIRED. TWIST TIE WITH THREE PIECES OF 16 GAUGE SOFT ANNEALED IRON WIRE, AS SHOWN IN DETAIL B.
6. THE THICKNESS OF THE SPACER ASSEMBLY, DETAIL A, SHALL BE SUCH AS TO FILL THE VOID BETWEEN THE BOMB BODIES AND THE CONTAINER SIDE WALL. THE THICKNESS OF PIECES 2 AND 3 MAY BE VARIED TO ACCOMPLISH THIS. TWIST TIE THE SPACER ASSEMBLY TO THE CROSSMEMBERS AT BOTH ENDS WITH 16 GAUGE SOFT ANNEALED IRON WIRE.
7. APPLICABLE MATERIAL SPECIFICATIONS: DUNNAGE LUMBER - FED. SPEC. MM-L-751; NAILS - FED. SPEC. FF-N-105, TYPE II, STYLE 10, COMMON BRIGHT; PLYWOOD, COMMERCIAL STANDARD CS45, GRADE INTERIOR C-D.
8. AFTER BLOCKING AND BRACING HAS BEEN INSPECTED, ATTACH SHIPPING DOCUMENTS INSIDE THE CONTAINER IN AN ACCESSIBLE AREA AND CLOSE AND SEAL CONTAINER DOORS.

COFC AND HIGHWAY (128 BOMB BODIES)

1. THE CONTAINER LOAD CONSISTS OF 128 500 LB, EMPTY MK 82 BOMB BODIES WHICH MUST BE LOADED AND DUNNAGED ACCORDING TO THIS DOCUMENT.

WARNING

BECAUSE THE WEIGHT LOADED INTO THIS CONTAINER EXCEEDS 34,000 LBS, THE MILVAN CHASSIS CANNOT BE USED TO TRANSPORT THE LOADED CONTAINER ON PUBLIC HIGHWAYS. THE LOADED CONTAINER MAY BE TRANSPORTED OVER DEPOT ROADS USING MILVAN CHASSIS EQUIPPED WITH DOUBLE BOGIES.

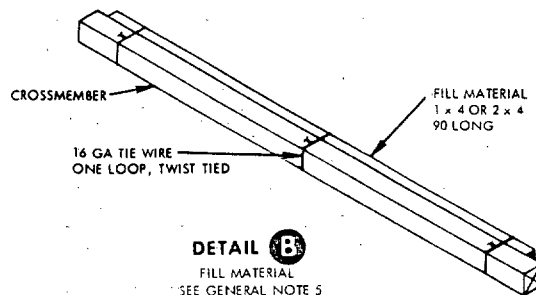
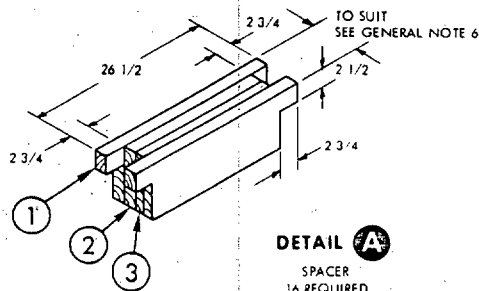
2. WHEN REQUIRED TO SHIP THE LOADED CONTAINER BY HIGHWAY, SUITABLE COMMERCIAL EQUIPMENT OF APPROPRIATE CAPACITY SHALL BE USED.

NOTE

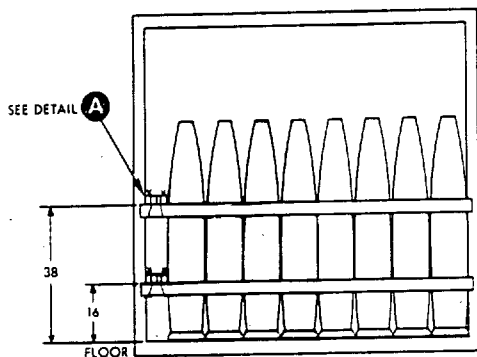
IN CERTAIN STATES THE GROSS VEHICLE WEIGHT (GVW), (CONTAINER, CHASSIS AND TRACTOR) IS LIMITED BY THE DISTANCE BETWEEN THE FIRST AND LAST AXLES OF THE ASSEMBLED RIG. CARE SHOULD BE TAKEN TO SEE THAT THE PROPOSED GVW DOES NOT EXCEED THESE LIMITATIONS.

TOFC (112 BOMB BODIES)

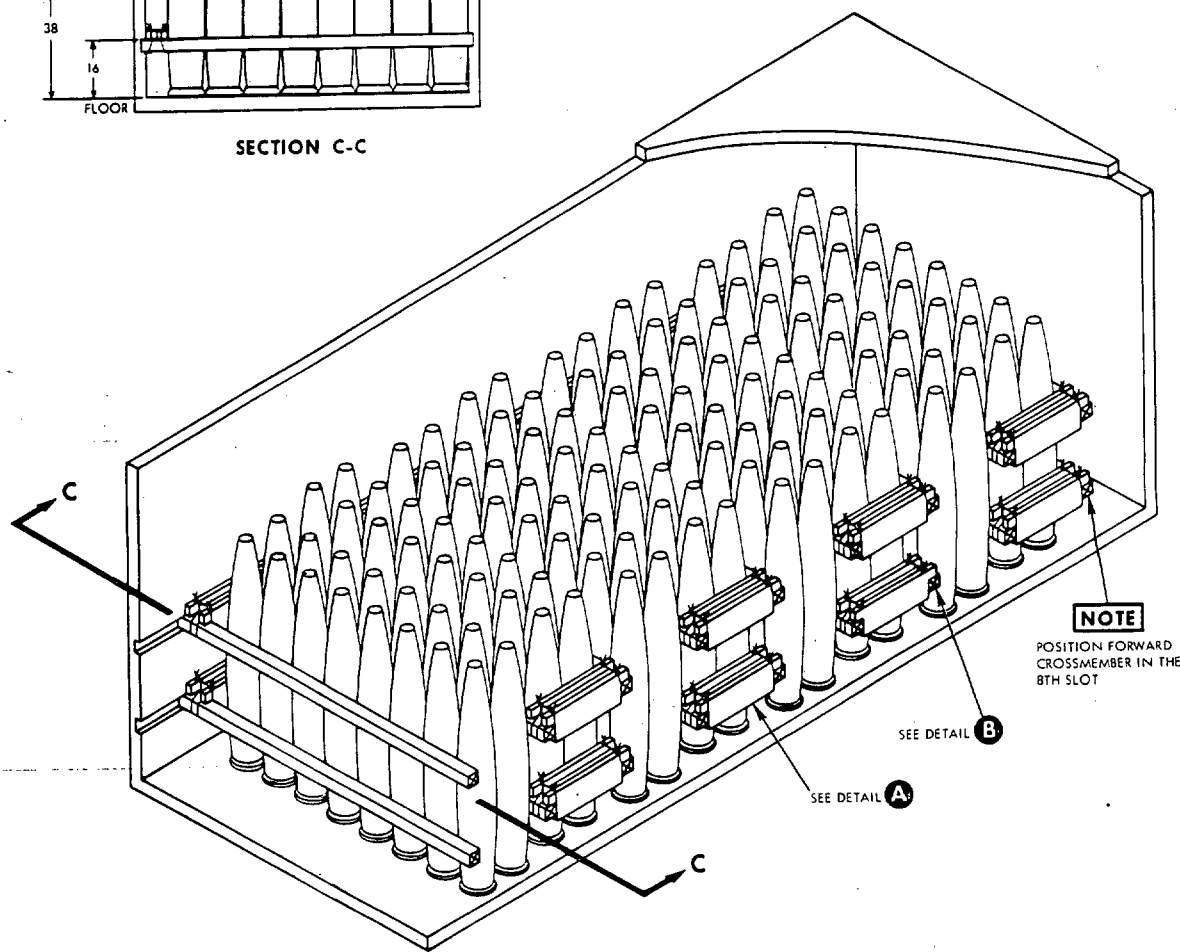
1. WHEN THIS CONTAINER LOAD IS TO BE MOVED VIA TOFC, REDUCE THE QUANTITY OF BOMB BODIES TO 112 (SEVEN BAYS). POSITION THE FORWARD CROSSMEMBER IN THE 13TH SLOT AND LOAD THE CONTAINER USING THE PRINCIPLES OF THIS DOCUMENT.
2. LOADED MILVAN CONTAINERS SHALL BE ON 20 FT MILVAN CHASSIS EQUIPPED WITH TWO BOGIE ASSEMBLIES WHEN BEING MOVED IN TOFC SERVICE.
3. MILVAN CONTAINERS WHEN LOADED WITH 112 BOMB BODIES MAY ALSO BE SHIPPED:
 - a. CONTAINER-ON-FLAT-CAR.
 - b. HIGHWAY, USING A MILVAN CHASSIS EQUIPPED WITH TWO BOGIES OR COMMERCIAL EQUIPMENT OF SUITABLE CAPACITY.



MIL-STD-1386-44 (NAVY)



SECTION C-C

**NOTE**

POSITION FORWARD
CROSSMEMBER IN THE
8TH SLOT

CONTAINER LOAD DATA

NUMBER OF BOMBS 128
 NUMBER OF CROSSMEMBERS 18
 LOAD WEIGHT (APPROXIMATE) 38,528 LBS
 DUNNAGE WEIGHT (APPROXIMATE) 385 LBS
 CONTAINER WEIGHT 5,785 LBS
 GROSS WEIGHT (APPROXIMATE) 44,698 LBS

3	FILLER	1 x 8 x 21	16	2	8	8d CLINCHED
2	FILLER	2 x 8 x 21	16	SEE 3	-	-
1	SPACER	2 x 8 x 26 1/2	32	2 & 3	8	16d
PIECE NO.	DESCRIPTION	SIZE	NO. PCS REQD	NAIL TO	NUMBER	SIZE
LIST OF MATERIALS AND NAILING DATA						
NAILS						

COFC AND HIGHWAY

REVIEW ACTIVITY:
 NAVY - OS, AS

PREPARING ACTIVITY:
 NAVY - OS
 (PROJECT NO. 8140-N-246)

SPECIFICATION ANALYSIS SHEET		Form Approved Budget Bureau No. 22-R255
INSTRUCTIONS: This sheet is to be filled out by personnel, either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.		
SPECIFICATION MIL-STD-1386-44 (NAVY)		
ORGANIZATION		
CITY AND STATE	CONTRACT NUMBER	
MATERIAL PROCURED UNDER A <input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT		
1. HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE? A. GIVE PARAGRAPH NUMBER AND WORDING.		
B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES		
2. COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID		
3. IS THE SPECIFICATION RESTRICTIVE? <input type="checkbox"/> YES <input type="checkbox"/> NO (If "yes", in what way?)		
4. REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity)		
SUBMITTED BY (Printed or typed name and activity - Optional)		DATE

DD FORM 1 JAN 66 1426

REPLACES EDITION OF 1 OCT 64 WHICH MAY BE USED.

S/N. 0102-014-1801

C-25254

OLD

POSTAGE AND FEES PAID

OFFICIAL BUSINESS

Commanding Officer
Naval Ammunition Depot Earle
Naval Weapons Handling Laboratory
Colts Neck, New Jersey 07722

Attn: 803

OLD

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