

MIL-M-81288(WP)  
1 Jan 1966

## MILITARY SPECIFICATION

### MOUNTING BASES, FLEXIBLE PLASTIC FOAM

This specification has been approved by the  
Bureau of Naval Weapons, Department of the Navy

#### 1. SCOPE

1.1 Scope - This specification covers the design and performance of mounting bases using flexible plastic foam to absorb shock and vibration energy.

#### 2. APPLICABLE DOCUMENTS

2.1 General - The documents listed in 6.5 of the issue in effect on the date of invitation for bids form a part of this specification to the extent specified herein.

#### 3. REQUIREMENTS

3.1 Preproduction - This specification makes provision for preproduction testing.

3.2 Materials - In the selection of materials, fulfillment of major design and performance objectives shall be the prime consideration.

3.2.1 Plastic Foam - The plastic foam used for the resilient medium for shock and vibration energy absorption shall be in accordance with MIL-F-81334. See 6.8.

3.2.2 Corrosion Resistance - All metals shall be of corrosion-resistant types or shall be processed to resist corrosion and be entirely adequate for the intended purpose.

3.2.3 Dissimilar Metals - Protection of dissimilar metal combinations shall be in accordance with MIL-STD-454, Requirement 16.

3.2.4 Finishes - Parts fabricated from aluminum alloys 3003, 5052, 6053, 6061, 6063, or 7072 shall be cleaned with a deoxidizing solution other than Caustic dip and may be used with or without other surface treatment. Other alloys shall be anodized in accordance with MIL-A-8625.

## MIL-M-81288(WP)

3.2.5 Adhesives - The adhesive used to secure the foam shall be Goodyear Aircraft Company, Pliobond #30 or approved equivalent. Preparation of the surfaces and the bonding procedure recommended by the adhesive manufacturer shall be followed.

3.3 Design and Construction - The mounting base shall conform with all the requirements for design, construction and workmanship, specified herein.

3.3.1 Total Weight - The total weight of the mounting base shall be the minimum required to pass the tests specified herein consistent with good design.

3.3.2 Mechanical Interference - The design must minimize projections of the equipment and rack below the top surface of the foam. See 3.4.1.3(2).

3.3.3 Safety Wiring - Safety wiring, passing through holes provided for the purpose in the thumb nuts or wing nuts of the fastener assembly and in the mounting base, shall be used to prevent loosening thereof under vibration. Safety wiring may be eliminated if suitable automatic locking devices are used. Such devices, if used, must be proven adequate to the satisfaction of the U. S. Naval Air Development Center (NAVAIRDEVCON).

3.3.4 Bonding Jumpers - Bonding jumpers shall be provided for an electrical conducting path around the plastic foam isolation element and other mating parts. The bonding jumpers shall be braided beryllium copper, or phosphor-bronze silver-plated, or cadmium-plated metal strip having a width-to-length ratio of not less than 1 to 5. A minimum of two bonding jumpers, preferably located externally at diagonally opposite corners of the mounting base, shall be provided. Bonding jumpers shall be of such length and resilience so as not to have any effect on the natural resonance of the mounting system.

3.3.5 Distribution of Load - The total load (including cables and connectors) shall be uniformly distributed over the entire foam pad. Compression of foam shall be no more than 10% of its free height. Applied weight per square inch of foam shall be determined by the desired natural frequency and satisfactory shock isolation, but in no instance shall it be less than 0.1 lb. per square inch nor greater than 0.5 lb. per square inch.

3.3.6 Foam - The foam shall be applied to the metal surfaces of the mounting base in a manner such that bulging or shrinking does not result. The outer edge of the foam shall not be closer than

## MIL-M-81288(WP)

1/16 inch from the radii of all curved surfaces such as the top and bottom plate. All external surfaces of the foam shall be smooth and continuous.

3.3.6.1 Sealing - All outer surfaces of the foam shall not be coated or sealed in any way.

3.3.7 Motion Limiting Devices - Motion limiting devices shall not be used.

3.4 Performance -

3.4.1 Static Parameters -

3.4.1.1 Loaded Height - When the mounted unit is examined as specified in paragraph 4.5.2.1, the maximum loaded height shall be 1.563 inches. The total load (including connectors and cables) shall be uniformly distributed over the entire foam pad in such a manner that the mounted unit is parallel to its mounting surface  $\pm 1/16$  inch.

3.4.1.2 Electrical Bonding - When measured as specified in paragraph 4.5.2.2, the d-c resistance shall not exceed six milliohms.

3.4.1.3 Sway Space - When tested as specified in paragraph 4.5.2.3, the mounted unit shall meet the following requirements:

- (1) No part of the equipment or mock-up shall move from its normal position by more than the amount shown on Figure 1.
- (2) There shall be no contact between non-resilient members.
- (3) There shall be no failure of, or damage to, the mounting base.

3.4.2 Dynamic Parameters -

3.4.2.1 Vibration - (see paragraph 4.5.3.1).

3.4.2.1.1 Isolation Efficiency - When the mounted unit is tested as specified in paragraph 4.5.3.1.1, the transmissibility along each axis shall not exceed that shown on Figure 2.

3.4.2.1.2 Fatigue - When the mounted unit is tested as specified in paragraph 4.5.3.1.2, there shall be no evidence of mounting base

## MIL-M-81288(WP)

damage, nor shall there be repetitive bouncing between mounting base members normally not in contact. Transmissibility at resonance shall not exceed five.

3.4.2.1.3 Isolation Efficiency After Fatigue (See Paragraph 4.5.3.1 3) - The requirements of paragraph 3.4.2.1.1 shall apply.

3.4.2.2 Shock - (See Paragraph 4.5.3.2).

3.4.2.2.1 Service Shock - When the mounted unit is tested as specified in paragraph 4.5.3.2.1, there shall be no tearing of foam, evidence of adhesive failure, bending or distortion.

3.4.2.2.2 Shock Transmissibility - When the mounted unit is tested as specified in paragraph 4.5.3.2.2, the shock transmissibility shall not exceed 90 per cent.

3.4.2.2.3 Crash Safety - When the mounted unit is tested as specified in paragraph 4.5.3.2.3, tearing of the foam and distortion of the sheet metal shall be permitted, but the mockup must remain captive.

3.4.2.2.4 Integrity - When the mounted unit is tested as specified in paragraph 4.5.3.2.4, tearing of the foam and distortion of the sheet metal shall be permitted. However, the mock-up must remain captive, and there shall be no evidence that the adhesive is failing.

3.5 Standard Conditions - The following conditions shall be used to establish normal performance characteristics under standard conditions and for making laboratory tests:

Temperature	Room Ambient (25 °C $\pm$ 5°C)
Altitude	Normal Ground
Vibration	None
Humidity	Room Ambient up to 90% R.H.

3.6 Service Conditions - The mounting base shall operate satisfactorily under any of the environmental service conditions or reasonable combination of these conditions as specified in Specification MIL-E-5400 for Class 2 equipment.

3.7 Design Data - No data is required by this specification (other than reports accompanying samples submitted for testing covering the results of the contractor tests) or by applicable documents, unless specified in the contract or order (See paragraph 6.4).

3.8 Nomenclature and Nameplates - Nomenclature and nameplates shall be in accordance with MIL-N-13307.

MIL-M-81288(WP)

#### 4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for Inspection - Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified, the supplier may utilize his own facilities or any commercial laboratory acceptable to the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.1.1 Test Equipment and Inspection Facilities - Test equipment and inspection facilities shall be of sufficient accuracy, quality and quantity to permit performance of the required tests. The manufacturer shall establish adequate calibration of test equipment to the satisfaction of the Government.

4.1.2 Classification of Tests - Items covered by this specification shall be subjected to the following tests to determine compliance with all applicable requirements:

- (1) Preproduction Tests
- (2) Initial Production Tests
- (3) Acceptance Tests

4.2 Preproduction Tests - Preproduction tests shall be made on one mounting base representative of the production mounting base to be supplied under the contract. Preproduction tests shall be accomplished under the responsibility of the contractor and shall be conducted in accordance with the procedures set forth in paragraph 4.2.2. The government inspectors and the procuring activity shall be advised when tests are to be conducted so that a representative may be designated to witness or supervise the tests when so desired. Contractors not having adequate facilities to conduct all required tests shall obtain the services of a commercial testing laboratory acceptable to the Government.

4.2.1 Preproduction Test Data - The contractor shall submit all data collected in conducting these tests to NAVAIRDEVGEN for review and approval.

4.2.2 Scope of Tests - Preproduction tests shall consist of all tests of this specification.

4.2.3 Preproduction Approval - Approval of the preproduction

MIL-M-81288(WP)

sample shall be by NAVAIRDEVCON upon satisfactory completion of all tests. No production mounting base shall be delivered prior to the approval of the preproduction sample. Prefabrication of a production mounting base prior to the approval of the preproduction sample is at the contractor's own risk. The approved preproduction sample shall be retained by the contractor for his use in the fabrication and testing of mounting bases to be submitted for acceptance. The preproduction sample shall not be considered as one of the mounting bases under the contract.

4.2.4 Production Mounting Bases - Mounting bases supplied under the contract shall in all respects, including design, construction, workmanship, performance and quality, be equivalent to the approved preproduction sample. Each mounting base shall be capable of successfully passing the same tests as imposed on the preproduction sample. Evidence of non-compliance with the above shall constitute cause for rejection and for mounting bases already accepted by the Government, it shall be the obligation of the contractor to make necessary corrections as approved by the procuring activity.

4.3 Initial Production Tests - One of the first ten production mounting bases shall be selected and sent at the contractor's expense to NAVAIRDEVCON. This mounting base shall be selected by the procuring activity after the mounting base has successfully passed all individual tests. The preproduction sample shall not be selected for this test.

4.3.1 Scope of Tests - This mounting base may be subjected to any and all tests which NAVAIRDEVCON deems necessary to assure that the production sample is equivalent to the previously approved preproduction sample in design, construction, workmanship, performance and quality and that it meets all applicable requirements.

4.3.2 Initial Production Sample Approval - Approval of the Initial Production Sample shall be by NAVAIRDEVCON upon satisfactory completion of all tests. Any design, material or performance defect made evident during this test shall be corrected by the contractor to the satisfaction of NAVAIRDEVCON. Failure of the Initial Production Sample to pass any of the tests shall be cause for deliveries of mounting bases under the contract to cease until proper corrective action is approved and accomplished. Corrective action shall also be accomplished on mounting bases previously accepted when requested by the procuring activity.

4.3.3 Reconditioning of Initial Production Test Sample - On completion of the initial production test, the sample may be reworked

MIL-M-81288(WP)

by the contractor replacing all worn or damaged items. After reworking, the contractor may submit the mounting base to NAVAIRDEVCON for examination and approval prior to acceptance for delivery on the contract.

4.4 Acceptance Tests - The contractor shall furnish all samples and shall be responsible for accomplishing the acceptance tests. All inspection and testing shall be under the supervision of the government inspector. Contractors not having testing facilities satisfactory to the procuring activity shall engage the service of a commercial testing laboratory acceptable to the procuring activity. The contractor shall furnish test reports showing quantitative results for all acceptance tests to NAVAIRDEVCON. Such reports shall be signed by an authorized representative of the contractor or laboratory, as applicable. Acceptance or approval of material during the course of manufacture shall not be construed as a guarantee of the acceptance of the finished product. Acceptance tests shall consist of the following:

(1) Individual Tests

(2) Sampling Tests

4.4.1 Individual Tests - Each mounting base submitted for acceptance shall be subjected to the individual tests. These tests shall be adequate to determine compliance with the requirements of material, workmanship, operational adequacy and reliability. As a minimum, each mounting base accepted shall have passed the following tests:

(1) Examination of Product

4.4.1.1 Examination of Product - Mounting bases shall be inspected to verify that the materials, design, construction, physical dimensions, identification marking, and workmanship are in accordance with this specification. (See 3.2 and 3.3).

4.4.2 Sampling Tests - Mounting bases selected for sampling tests shall first have passed the individual tests. Mounting bases shall be selected for sampling tests by the government inspector in accordance with the following unless otherwise specified in the contract or orders:

<u>Quantity of Equipments Offered for Acceptance</u>	<u>Quantity to be Selected for Sampling Tests</u>
First 10	1
Next 50	1
Next 100	1
	1 for each additional 200 or fraction thereof

MIL-M-81288(WP)

4.4.2.1 Scope of Tests - Sampling tests shall consist of shock, and crash safety tests.

4.4.2.2 Reconditioning of Tested Sample - Samples which have been subjected to Sampling Tests may be reconditioned by the contractor by replacing all worn or damaged items. After reworking the contractor may submit the sample to NAVAIRDEVGEN for examination and approval prior to acceptance for delivery on the contract.

4.5 Test Methods -

4.5.1 Preparation for Test -

4.5.1.1 Test Units - The tests specified herein shall be performed on mounted units consisting of equipments (or mock-ups) mounted on the mounting base specimens. All electrical bonding provided in the bases shall be in normal operating positions during test. When the specific equipment for which the mounting base has been designed is available, its use in the test unit is preferable for all tests except shock tests of paragraphs 4.5.3.2.3 and 4.5.3.2.4. Equipments (or mock-ups) are used as part of the test unit only for the purpose of applying the load or measuring the result; they are not items subject to test in themselves.

4.5.1.2 Mock-ups - A mock-up may be used in place of an actual equipment. It shall have the same weight, center of gravity location, and dimensional outline of the specific equipment which it represents. Mounting hardware shall be identical to that of the equipment. The same mock-up shall be used for all tests.

4.5.2 Static Tests -

4.5.2.1 Loaded Height - The specified load shall be applied. The loaded height, measured to the equipment mounting surfaces, shall be recorded. (See 3.4.1.1).

4.5.2.2 Electrical Bonding - The mounting base with the bonding straps in place shall be mounted to a flat, bare-metal plate in a manner comparable to actual service installation. The d-c resistance shall be measured between the holding devices and the metal plate, using an instrument having a maximum error of  $\pm 1.9$  per cent. (See 3.4.1.2).

4.5.2.3 Sway Space - (See 3.4.1.3) - The mounted unit shall be subjected to a force extending through the center of gravity of the equipment or mock-up along each of its three principal axes, in turn. This force shall be seven and one-half times the equipment weight. At the conclusion of each application of force the following data shall be recorded.

## MIL-M-81288(WP)

- (1) The greatest distance the equipment or mock-up moves from its normal position.
- (2) Any contact between non-resilient members.
- (3) The amount of damage or failure sustained by the mounting base.

4.5.3 Dynamic Tests -4.5.3.1 Vibration -

4.5.3.1.1 Isolation Efficiency - The mounted unit shall be rigidly mounted on a vibration platform by its normal mounting means and in its normal attitude. An input of simple harmonic motion shall be applied along each of the three mutually perpendicular principal axes of the mounting base, in turn. The frequency shall be varied uniformly between 5 and 500 cps. The entire range of frequencies from 5 to 500 cps and return to 5 cps shall be traversed. The applied vibration amplitude shall be in accordance with Figure 3. The response shall be measured along each of the three mutually perpendicular axes of the mounted unit, for each of the three input axes. The transmissibility shall then be determined. Where pick-ups are used, the sensitive elements shall be located within 3/4 inch of the upper corners of the mounted unit. (See 3.4.2.1.1).

4.5.3.1.2 Fatigue - The mounted unit shall be rigidly mounted by normal mounting means on a vibration platform. The mounted unit shall be vibrated for two hours along each of the axes specified in 3.4.2.1.2 at the predominant resonant frequency determined by this test. The applied vibration amplitude shall be in accordance with Figure 3. If this amplitude results in a response acceleration of the mounted unit in excess of 15g, the applied amplitude shall be reduced in order to limit the response to 15g. (See 3.4.2.1.2).

4.5.3.1.3 Isolation Efficiency After Fatigue - Following the fatigue test of 4.5.3.1.2, the mounted unit shall again be subjected to the test of 4.5.3.1.1. (See 3.4.2.1.3).

4.5.3.2 Shock - The mounting unit shall be secured by its normal mounting means to the test apparatus and tested as specified in 4.5.3.2.1 and 4.5.3.2.4.

4.5.3.2.1 Service Shock - One impact shock shall be applied in each direction along each of the three principal axes in the numerical order shown on Figure 4 (a total of 6 shocks). Direction of shocks of each group applied to the mounted unit shall be so oriented that both

MIL-M-81288(WP)

senses along each of the axes are represented. For each shock the mounted unit shall be accelerated in such a manner that during the first 11 milliseconds the peak acceleration shall be 15g. (See 6.7) The mounted unit shall then be examined for mechanical failure. (See 3.4.2.2.1).

4.5.3.2.2 Shock Transmissibility - One impact shock shall be applied in each direction along each of the three principal axes in the numerical order shown on Figure 4 (a total of 6 shocks). For each shock the mounted unit shall be accelerated in such a manner (See 6.7) that during the first 11 milliseconds the peak acceleration shall be 15g. The response shall be measured in the direction of the applied shock. The transmissibility shall then be determined. The sensitive elements of response pick-ups shall be located within 3/4 inch of the upper corners of the mounted unit. This test may be run concurrently with the service shock test of 4.5.3.2.1.

4.5.3.2.3 Crash Safety - One impact shock shall be supplied in each direction along each of the three principal axes in the numerical order shown on Figure 4 (a total of 6 shocks). For each shock the mounted unit shall be accelerated in such a manner (See 6.7) that during the first 11 milliseconds the peak acceleration shall be 60g on the shock platform. The mounted unit shall then be examined for mechanical failure. (See 3.4.2.2.3).

4.5.3.2.4 Integrity - One impact shock shall be applied in the direction Y(2) of Figure 4. The peak acceleration of the shock platform shall be 90g during the first 11 milliseconds. The mounted unit shall then be examined for mechanical failure. (See 3.4.2.2.4).

4.6 Presubmission Testing - No mounting base or portion thereof shall be submitted by the contractor until it has been previously subjected to the individual tests and inspected by the contractor and found to comply, to the best of his knowledge and belief, with all applicable requirements.

4.7 Rejection and Retest - A mounting base which has been rejected may be reworked or have parts replaced to correct the defects and resubmitted for acceptance. Before resubmitting, full particulars concerning previous rejection and the action taken to correct the defects found in the original shall be furnished to the Government Inspector.

## 5. PREPARATION FOR DELIVERY

5.1 General - All major units and parts of the equipment shall be preserved, packaged, packed and marked for the level of shipment specified in the contract or order in accordance with Specification MIL-E-17555.

MIL-M-81288(WP)

## 6. NOTES

6.1 Intended Use - Shock and Vibration mounting bases covered by this specification are intended for use with electronic equipment mounted in all aircraft.

6.2 Performance Objectives - Minimum size and weight, simplicity of operation, ease of maintenance, and an improvement in the performance and reliability of equipment functions beyond the requirements of this specification are objectives which shall be considered in the production of this mounting base. Where it appears a substantial reduction in size and weight or improvement in simplicity of design, performance, ease of maintenance or reliability will result from the use of materials, parts, and processes other than those specified herein, it is desired their use be investigated. When investigation shows advantages can be realized, a request for approval shall be submitted to the procuring activity for consideration. Each request shall be accompanied by complete supporting information.

6.3 Precedence of Documents - When the requirements of the contract, this specification, or applicable subsidiary specifications are in conflict, the following precedence shall apply:

- (1) Contract - The contract shall have precedence over any specification.
- (2) This Specification - This specification shall have precedence over all applicable subsidiary specifications. Any deviation from this specification, or from subsidiary specifications where applicable, shall be specifically approved in writing by the procuring activity.
- (3) Referenced Specifications - Any referenced specification shall have precedence over all applicable subsidiary specifications referenced therein. All referenced specifications shall apply to the extent specified.

6.4 Ordering Data - Purchasers should exercise any desired options offered herein, and procurement documents should specify the following:

- (1) Title, number, and date of this specification.
- (2) Selection of applicable levels of packaging and packing. (See 5.1).
- (3) Data Requirements (See 3.7).

MIL-M-81288(WP)

6.5

Applicable Documents -

SPECIFICATIONS

Military

MIL-E-5400 - Electronic Equipment, Aircraft,  
General Specification for

MIL-F-81334 - Foam, Plastic, Flexible, Open Cell  
Polyester Type Polyurethane

MIL-E-17555 - Electronic and Electrical Equipment  
and Associated Repair Parts, Preparation  
for delivery of

MIL-A-8625 - Anodic Coatings for Aluminum and  
Aluminum Alloys

MIL-N-18307 - Nomenclature and Nameplates for  
Aeronautical Electronic and Associated  
Equipment

STANDARDS

Military

MIL-STD-454 - Standard General Requirements for  
Electronic Equipment

PUBLICATIONS

Reports

NADC Report No. NADC-EL-6159 of 17 Oct 1961

NADC Report No. NADC-AE-6522 of 2 Dec 1965

6.5.1 Availability of Documents - When requested specifica-  
tions, standards, drawings, and publications refer to both title and  
number.

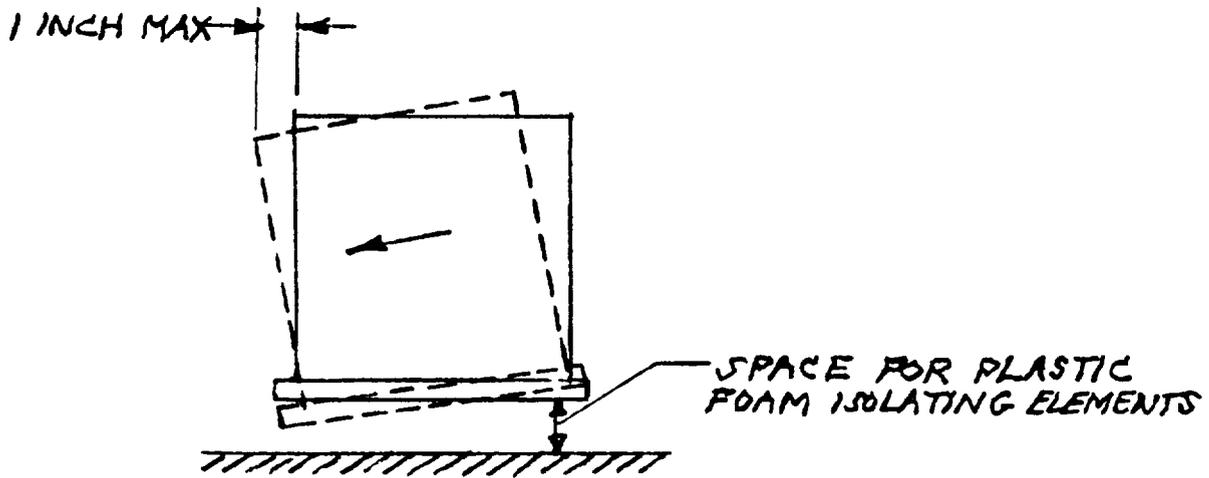
MIL-M-81288(WP)

- (1) Copies of this specification and applicable specifications required by contractors in connection with specific procurement functions may be obtained upon application to the Commanding Officer, Naval Supply Depot, Code 105, 5801 Tabor Avenue, Philadelphia, Pennsylvania.
- (2) Copies of reports may be obtained from NAVAIRDEVCON Johnsville, Code AEHE, Warminster Pennsylvania 18974.

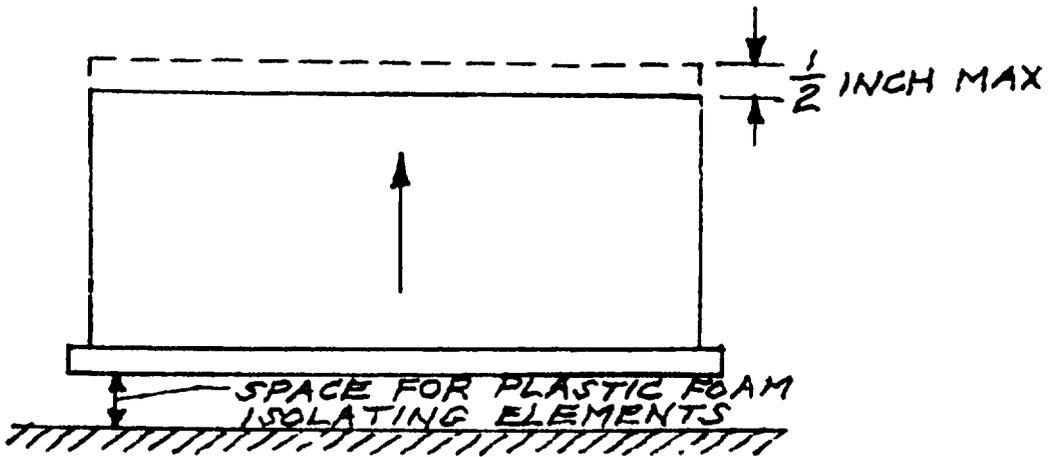
6.6                    Control of Foam - It should be noted that Figure 2 has been generalized inasmuch as the plastic foam is being rigidly controlled by MIL-F-81334.

6.7                    The shock wave shall be developed as specified in Specification MIL-T-5422.

6.f                    Application of the foam to shock and vibration isolating systems shall be in general accordance with NADC Reports NADC-EL-6159 of 17 Oct 1961 and NADC-AE-6522 of 2 Dec 1965.

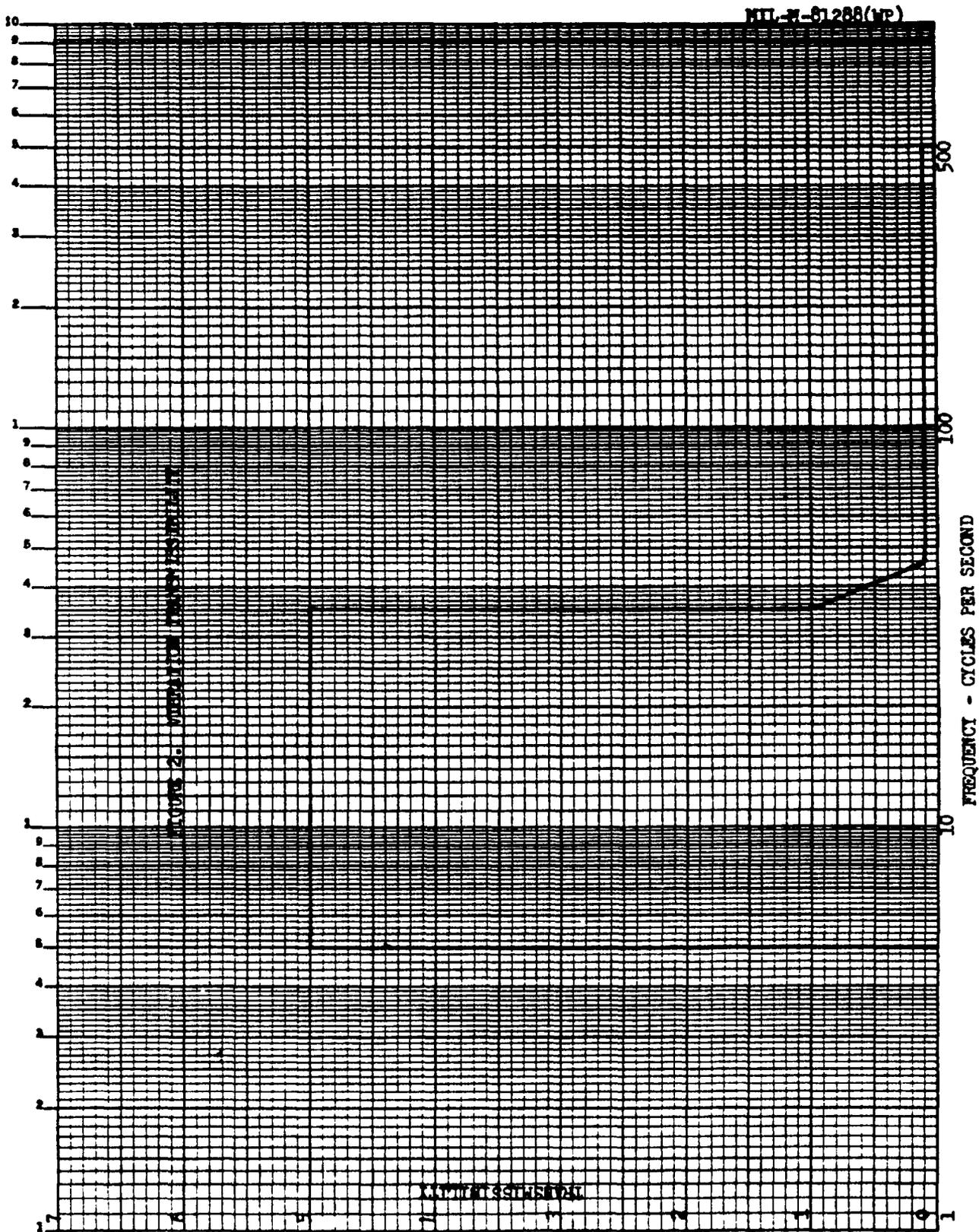


VIEW ACROSS THE NARROW AXIS



VIEW ACROSS THE LONG AXIS

Figure 1. Sway space for mounting bases



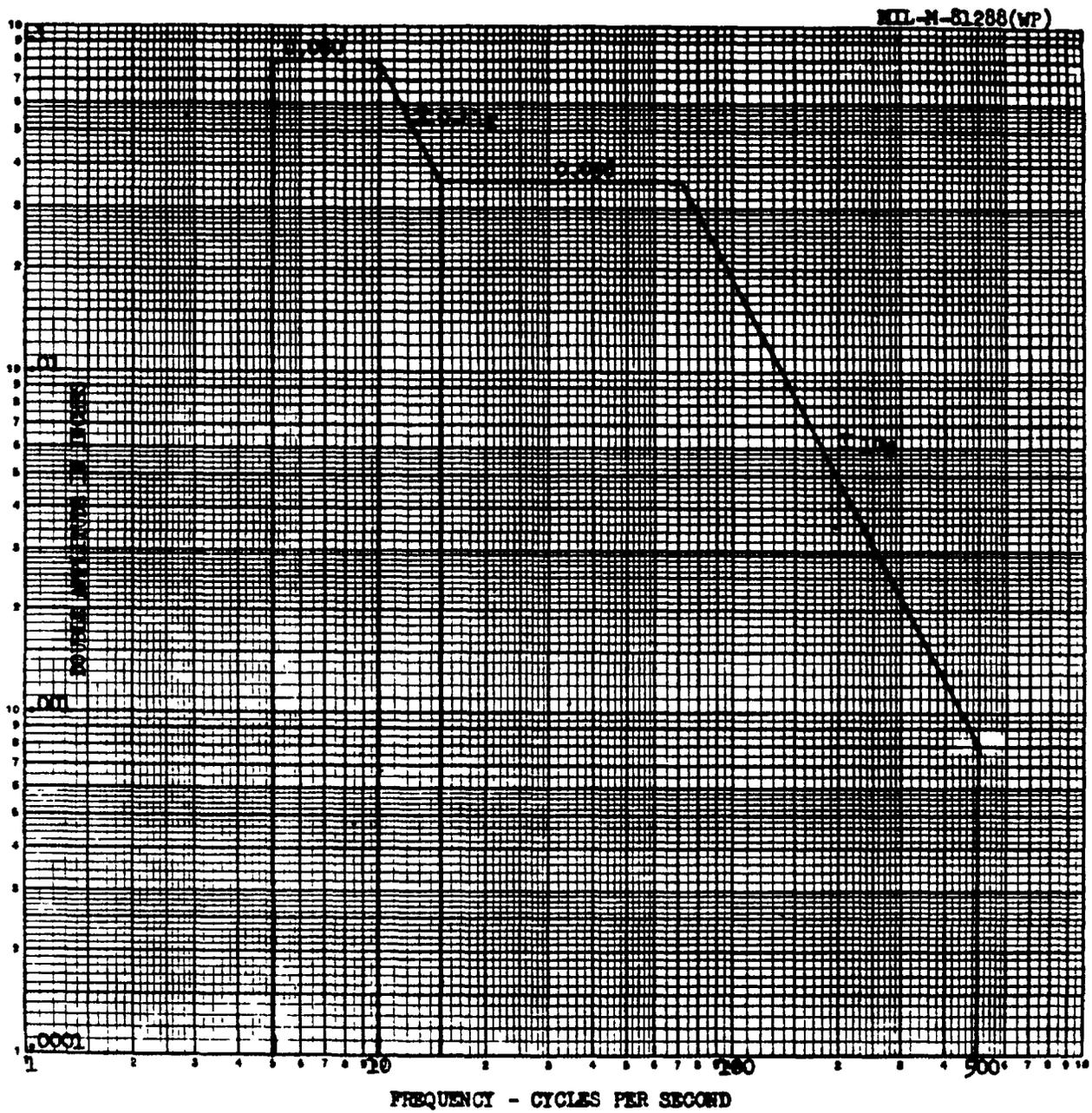


FIGURE 3. APPLIED VIBRATION

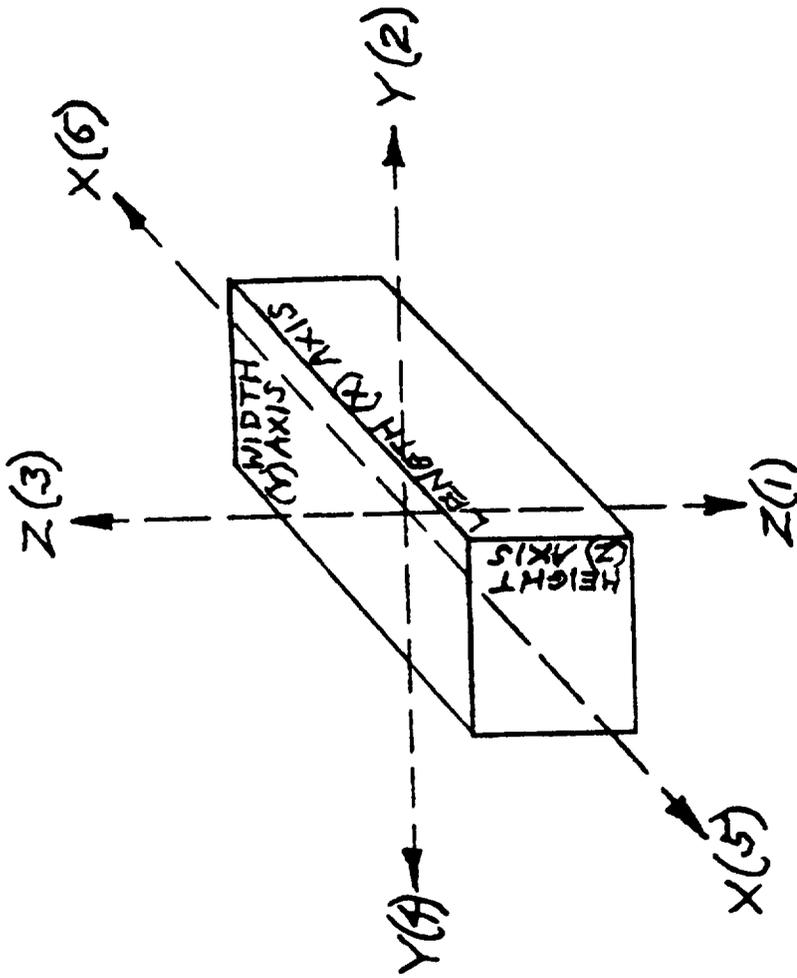


Figure 4. Numerical order and orientation of shock

SPECIFICATION ANALYSIS SHEET		Form Approved Budget Bureau No 119-R004
<b>INSTRUCTIONS</b>		
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 (as indicated on reverse hereof).		
SPECIFICATION MIL-M-31298(WP) Mounting Bases, Flexible Plastic Foam		
ORGANIZATION (Of submitter)		CITY AND STATE
CONTRACT NO.	QUANTITY OF ITEMS PROCURED	DOLLAR AMOUNT \$
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)		DATE

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MIL-M-81288(AS)  
Amendment 1  
15 July 1968

MILITARY SPECIFICATION

MOUNTING BASES, FLEXIBLE PLASTIC FOAM

This amendment forms a part of Military Specification MIL-M-81288(WP) dated 1 January 1966 and has been approved by the Naval Air Systems Command; Department of the Navy

By this amendment basic MIL-M-81288(WP) is changed to MIL-M-81288(AS) and throughout the specification, Bureau of Naval Weapons shall be changed to Naval Air Systems Command

Page 2, paragraph 3.2.5: Delete and substitute

"3.2.5 Adhesives - The adhesive used to secure the foam shall be Minnesota Mining and Manufacturing Company part number EC-1300 or other odorless approved equivalents. Preparation of the surfaces and the bonding procedure recommended by the adhesive manufacturer shall be followed."

Page 4, paragraph 3.4.2.2.2, line 3: Delete "90" and substitute

"100"

Page 8, Paragraph 4.5.2.3, make the following changes:

line 2: Delete "force" and substitute "15g shock"

line 3: Delete "each of its three principle" and substitute "Y(2), Y(4)"

second sentence: Delete and substitute "The mounted unit shall be accelerated in such a manner that during the first 11 milliseconds the peak acceleration shall be 15g."

Pages 9 and 10, paragraph 4.5.3.2.1: Delete

Page 15, Figure 2: Extend right hand vertical portion of curve from 35 cycles to 45 cycles (resulting in one straight line).

**INCH-POUND**

**NOTICE  
OF VALIDATION**

**MIL-M-81288(AS)  
NOTICE 1  
28 October 1991**

**MILITARY SPECIFICATION  
MOUNTING BASES, FLEXIBLE PLASTIC FOAM**

**MIL-M-81288(AS) (1), dated 15 July 1968, has been reviewed and determined to be valid for use in acquisition.**

**Preparing activity.  
Navy - AS**

**AMSC N/A**

**FSC 5340**

**DISTRIBUTION STATEMENT A. Approved for public release, distribution is unlimited.**