

A-A-51276A
25 October 1989
SUPERSEDING
A-A-51276
9 December 1985

COMMERCIAL ITEM DESCRIPTION

STRETCHER, AMBULANCE

The General Services Administration has authorized the use of this Commercial Item Description as a replacement for Military Specification MIL-S-36439B which is cancelled.

This Commercial Item Description covers a multi-level ambulance stretcher suitable for use in ambulances and for transferring patients between ambulance and hospital bed.

Salient characteristics:

The ambulance stretcher shall be a multi-level stretcher with a minimum of two levels, low for use in the ambulance and high (hospital bed height) for transfer of patient (see figure 1). The stretcher may have intermediate levels.

The stretcher shall be approximately 22 inches wide by 75 inches long, easily maneuverable, sturdy, and with wheel base and tire tread such that when in the fully raised position, and supporting an adult person, the stretcher will be stable. The stretcher shall be constructed of tubing and forged, or cast, fittings of suitable aluminum alloys or other corrosion-resisting metals, to provide minimum weight with strength and stability.

The stretcher shall consist of the following:

- A base frame mounted on casters.
- A bed frame having a square head end, adjustable back rest and side rails, and a foot rest, all mounted on the base frame by a suitable mechanism permitting manual raising and lowering of the bed frame, including an automatic locking mechanism for locking the bed frame in the raised position, with a suitable manual release for the automatic locking mechanism so designed to minimize inadvertent release.

AMSC N/A

FSC 6530

DISTRIBUTION STATEMENT A. Approved for public release;
distribution is unlimited.

A-A-51276A

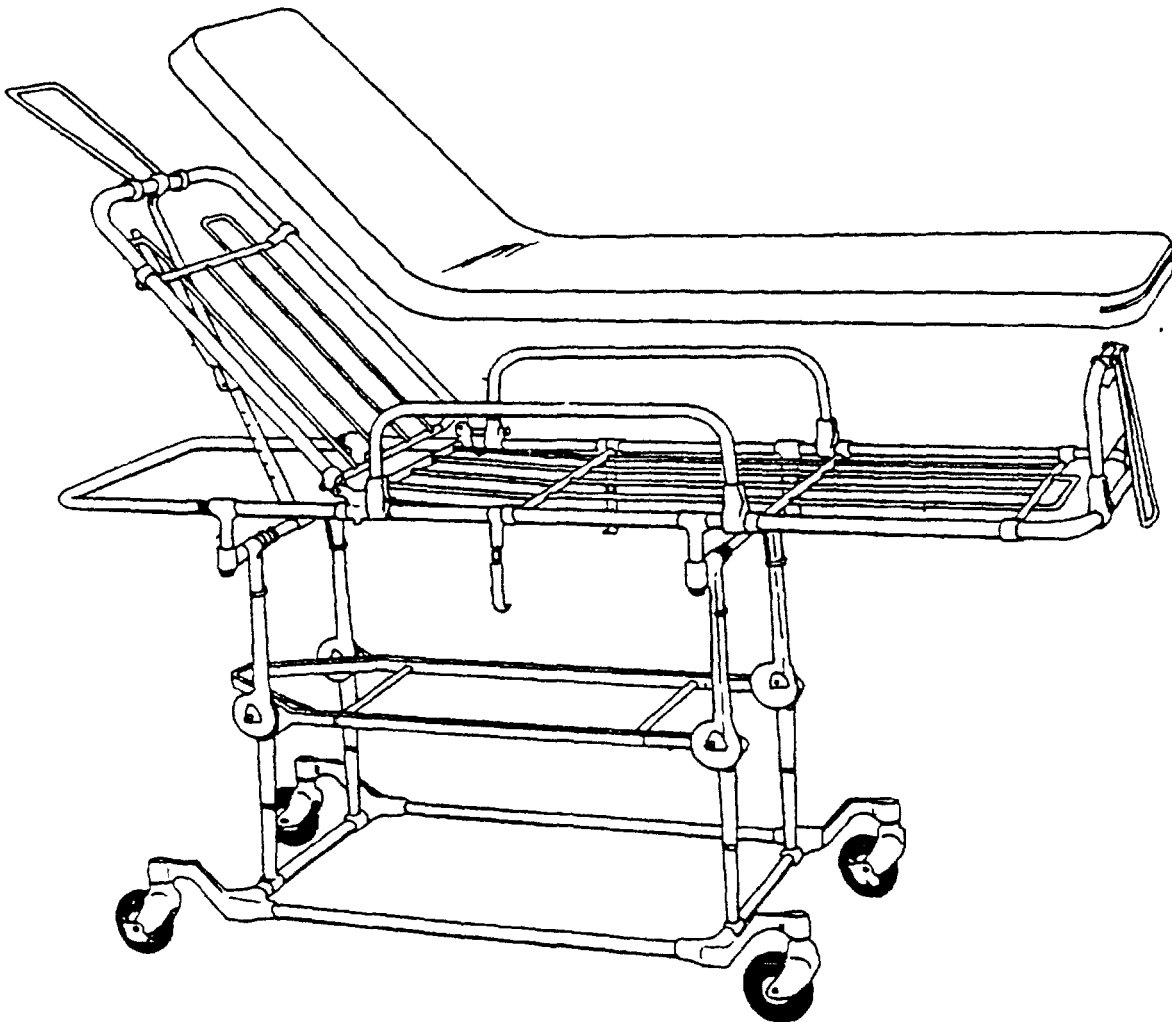


FIGURE 1. Ambulance stretcher.

A-A-51276A

- Four swivel casters.
- Head and foot end lead handles.
- A 3 inch plus or minus 1/2 inch thick foam rubber mattress covered with an artificial leather, or other suitable material cover.

In the fully lowered position the top of the bed frame shall be 12 inches or less above the floor. In the fully raised position the top of the bed frame shall be 34 inches plus or minus 1 inch above the floor. The backrest shall be adjustable through an arc of 90° from the horizontal to the vertical.

The bed frame, including the backrest, shall have a suitable spring fabric, series of metal strip supports, or other suitable means of supporting the mattress.

The stretcher shall be provided with four double ball-bearing swivel casters having rubber tires or solid rubber wheels which shall be between 4 inches and 6 inches in diameter. Caster forks, wheels (if used), axles and other parts, may be made of metals of suitable corrosion resistance and appearance. Two of the casters mounted on diagonally opposite corners, shall be provided with positive locking, foot operated, wheel locks.

Welding shall be durable, sound in every detail and in accordance with the latest practices recommended by the American Welding Society. Surfaces to be welded shall be free from grease, oil, oxide, or other foreign matter. All weld joints shall blend into the adjacent metal in gradual, smooth curves. Beads shall be smooth and free of slag, excessive undercut, or excessive splatter. Sufficient metal shall be added to provide a suitable fillet or reinforcement. All welds shall be continuous with no visible voids, pin holes, or cracks.

All stretcher tubing shall have a satin finish or better. All stretcher finish shall be uniform and free of scratches, discoloration, and rough grind marks. The stretcher shall have no sharpness on exposed surfaces, edges, or corners. The stretcher shall be clean and free of oil, grease, dirt, or other contamination.

A-A-51276A

The stretcher shall roll smoothly and easily when tested with a 600 pound load as specified. The stretcher shall have no distortion or permanent set to parts when tested with a load of 600 pounds, for a period of 1 hour, as specified.

Workmanship. The ambulance stretcher shall be free from defects which detract from its appearance or impair its serviceability.

Unit. Each (EA). One ambulance stretcher, as specified, constitutes one unit.

Quality Assurance Provisions.

Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by 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.

Records. Records of examinations and tests performed by or for the contractor shall be maintained by the contractor and made available to the Government upon the Government's request, at any time, or from time to time, during the performance of the contract and for a period of three years after delivery of the supplies to which such records relate.

Inspection. Inspection, as used herein, is defined as both examination (such as visual or auditory investigation without the use of special laboratory appliances or procedures) and testing (determination by technical means of physical and chemical properties) of the item.

Tests. Tests shall be conducted to determine compliance with specification requirements. Where feasible, the same sample shall be used for the determination of two or more test characteristics.

A-A-51276A

Sampling for tests. Sampling for tests, including dimensional test, shall be conducted in accordance with MIL-STD-105, with an AQL of 2.5 (percent defective) and an inspection level of S-1. The unit of product for test purposes shall be one ambulance stretcher.

Tests.

Maneuverability. Six hundred pounds shall be distributed over a 6-foot section of the stretcher, in the raised position, 400 pounds to be placed in the body section and 200 pounds to be placed on the head section. With this load in place, the stretcher shall be rolled on a smooth surface in all directions on the casters. This test shall be repeated with the head section adjusted in all possible positions. Failure to roll smoothly and easily under loading, shall constitute a defect.

Load-bearing capability. The stretcher, in the raised position, shall be supported by means of horses at the extreme end of the foot section frame and at the crossbar of the telescoping frame, so that casters are off the floor. The frame shall be in the fully-extended position. The head section shall be in a horizontal position. The stretcher shall be loaded as specified above. Load shall be applied for a minimum of 1 hour. At the conclusion of the test, the telescoping frames shall be tested for freedom and ease of motion. Any evidence of distortion or permanent set to parts shall constitute a defect.

Metric products. Products manufactured to metric dimensions will be considered on an equal basis with those manufactured using inch-pound units, providing they fall within the tolerances specified using conversion tables contained in the latest revision of Federal Standard 376, and all other requirements of this document are met.

If a product is manufactured to metric dimensions and those dimensions exceed the tolerances specified in the inch/pound units, a request should be made to the contracting officer to determine if the product is acceptable.

The contracting officer has the option of accepting or rejecting the product.

A-A-51276A

Contractor certification. The contractor shall certify that the product offered meets the salient characteristics of this description and conforms to the producers' own drawings, specifications, standards, and quality assurance practices. The Government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

Regulatory requirements.

Federal Food, Drug and Cosmetic Act. If the product covered by this document has been determined by the U.S. Food and Drug Administration to be under its jurisdiction, the offeror/contractor shall comply, and be responsible for compliance by its subcontractors/suppliers, with the requirements of the Federal Food, Drug and Cosmetic Act, as amended, and regulations promulgated thereunder. In addition, the offeror/contractor shall comply, and be responsible for compliance by its subcontractors/suppliers, with the requirements of all other applicable Federal, State, and local statutes, ordinances, and regulations.

Recovered materials. The offeror/contractor is encouraged to use recovered material in accordance with Public Law 94-580, as amended, and as implemented by Federal Acquisition Regulation Subpart 23.4 to the maximum extent practical.

Preservation, packaging, packing, labeling, and marking. Unless otherwise specified, preservation, packaging, and packing shall be to a degree of protection to preclude damage to containers and/or contents thereof under normal shipping conditions, handling, etc., involving shipment from the supply source to the receiving activity, plus reshipment from receiving activity, and shall conform to applicable carrier's rules and regulations. Intermediate and exterior package quantities and labeling and marking shall be as specified in the contract and/or order.

NOTE: The following National Stock Number is covered by this document:

6530-00-982-2042

NOTE: The ambulance stretcher shall be suitable for use with stretcher mattress, NSN 6530-00-784-2120.

Ordering data. Intermediate/exterior package quantities, labeling, and marking must be specified in the contract and/or order.

A-A-51276A

MILITARY INTERESTS:

PREPARING ACTIVITY:

Custodians:

DoD - MB

Army - MD

Agent:

Navy - MS

Air Force - 03

DLA-DM

CIVIL AGENCY COORDINATING ACTIVITIES:

VA-OSS

PHS

FDA-MPQAS

Project No. 6530-2080

Location:

CID/STRETCHER/AMBULANCE/H13-35

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

DOCUMENT NUMBER
A-A-51276A2 DOCUMENT TITLE
STRETCHER, AMBULANCE

3a NAME OF SUBMITTING ORGANIZATION

4 TYPE OF ORGANIZATION (Mark one)

☐ VENDOR☐ USER☐ MANUFACTURER☐ OTHER (Specify).

b ADDRESS (Street City State ZIP Code)

5 PROBLEM AREAS

a. Paragraph Number and Wording

b. Recommended Wording

c. Reason/Rationale for Recommendation

6 REMARKS

7 NAME OF SUBMITTER (Last First MI) - Optional

b. WORK TELEPHONE NUMBER (Include Area Code) - Optional

c. MAILING ADDRESS (Street City State ZIP Code) - Optional

8 DATE OF SUBMISSION (YYMMDD)

INSTRUCTIONS In a continuing effort to make our standardization documents better, the DoD provides this form for use in submitting comments and suggestions for improvements. All users of military standardization documents are invited to provide suggestions. This form may be detached, folded along the lines indicated, taped along the loose edge (*DO NOT STAPLE*), and mailed. In block 5, be as specific as possible about particular problem areas such as wording which required interpretation, was too rigid, restrictive, loose, ambiguous, or was incompatible, and give proposed wording changes which would alleviate the problems. Enter in block 6 any remarks not related to a specific paragraph of the document. If block 7 is filled out an acknowledgement will be mailed to you within 30 days to let you know that your comments were received and are being considered.

NOTE This form may not be used to request copies of documents, nor to request waivers, deviations, or clarification of specification requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

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