

RR-F-191K/GEN  
14 May 1990  
SUPERSEDING  
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July 22, 1981

## FEDERAL SPECIFICATION

### FENCING, WIRE AND POST METAL (AND GATES, CHAIN-LINK FENCE FABRIC, AND ACCESSORIES) (GENERAL SPECIFICATION)

This Federal specification is approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies.

#### 1. SCOPE AND CLASSIFICATION

1.1 Scope. This specification covers general requirements for chain-link fencing and accessories.

1.2 Classification. Classification for the various parts of chain-link fencing are included in the detail specifications.

- RR-F-191/1 - Fencing, Wire and Post, Metal (Chain-Link Fence Fabric).
- RR-F-191/2 - Fencing, Wire and Post, Metal (Chain-Link Fence Gates).
- RR-F-191/3 - Fencing, Wire and Post, Metal (Chain-Link Fence Posts, Top Rails, and Braces).
- RR-F-191/4 - Fencing, Wire and Post, Metal (Chain-Link Fence Accessories).

#### 2. APPLICABLE DOCUMENTS

##### 2.1 Government documents.

2.1.1 Specification and standards. The following specification and standards form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6.2).

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commanding Officer (Code 156), Naval Construction Battalion Center, Port Hueneme, CA 93043-5000, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

FSC 5660

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

SPECIFICATIONS

Federal Specification

PPP-B-601 - Boxes, Wood, Cleated-Plywood.

Federal Standards

FED-STD-151 - Metals, Test Methods.

FED-STD-123 - Marking for shipment (Civil Agencies).

Military Standard

MIL-STD-105 - Sampling Procedures and Tables for Inspection  
by Attributes.

(Unless otherwise indicated, copies of federal and military specifications and standards are available from the Standardization Documents Order Desk, Bldg. 4D, 700 Robbins Avenue, Philadelphia, PA 19120-5094.)

2.1.2 Other non-Government documents. The following other non-Government documents form a part of this specification to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

ASTM

ASTM D 3951 - Commercial Packaging.

ASTM D 3953 - Strapping, Flat Steel and Seals.

ASTM F 552 - Standard Definitions of Terms Relating to Chain Link Fencing.

(Application for copies should be addressed to ASTM, 1916 Race Street, Philadelphia, PA 19103.)

3. REQUIREMENTS

3.1 Materials. Materials used shall be free from defects which would adversely affect the performance or maintainability of individual components or of the overall assembly. Materials not specified herein shall be of the same quality used for the intended purpose in commercial practice. Unless otherwise specified herein, all equipment, material, and articles incorporated in the work covered by this specification are to be new and fabricated using materials produced from recovered materials to the maximum extent possible without jeopardizing the intended use. The term "recovered materials" means materials which have been collected or recovered from solid waste and reprocessed to become a source of raw materials, as opposed to virgin raw materials. Unless otherwise specified, none of the above shall be interpreted to mean that the use of used or rebuilt products are allowed under this specification.

3.2 Dimensional tolerances. Unless otherwise specified dimensional tolerances shall be  $\pm 1$  percent. Minimum dimensions specified are the minimum dimensions allowed and the  $\pm 1$  percent tolerances does not apply.

3.3 Workmanship. All fence components shall be free from pits, excessive roughness, blisters, loose rust and mill scale, cracks, and seams to an extent that would be detrimental to the intended end use. Coated surfaces shall be free from uncoated areas except ends of wires on selvage. Polyvinyl-chloride coated components shall be free from cuts or cracks that permit access of water to the base metal. All fencing components, except barbed wire and barb selvage of fabric, shall be free from sharp edges.

3.4 Definitions. Definitions of fencing components not specified herein shall be in accordance with ASTM F 552.

#### 4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements (examinations and tests) as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any other 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 documents where such inspections are deemed necessary to ensure supplies and services conform to prescribed requirements.

4.2 Inspection lot. All fence components of the same type, size and class, offered for delivery at the same time shall be considered a lot for the purposes of inspection.

4.3 Sampling . (See 6.4)

4.4 Examination of preparation for delivery. An examination shall be made to determine compliance with the requirements of section 5. The sample unit shall be one shipping container fully prepared for delivery.

4.5 Test methods.

4.5.1 Frequency of tests. Unless otherwise specified (see 6.2), tests for chemical composition shall be performed on the initial inspection, and thereafter only when changes are made in the material.

4.5.2 Chemical analysis. Chemical analysis shall be in accordance with Methods 111.2 or 112.2 of FED-STD-151. In case of dispute, referee analysis shall be by the wet method in Method 112.2.

#### 5. PREPARATION FOR DELIVERY

5.1 Packing. Packing shall be level A, B or commercial as specified (see 6.2).

5.1.1 Level A.

5.1.1.1 Fabric. Each length of fabric shall be rolled in a tight roll. The ends of the roll shall be secured with a minimum of four ties, evenly spaced, of soft annealed wire in a manner to prevent unrolling or loosening during shipment and storage.

5.1.1.2 Gates. Gates shall be strapped to a skid-type base. Strapping shall conform to ASTM D 3953, grade optional, with a protective finish.

5.1.1.3 Rails, posts and braces. Rails, posts and braces shall be bundled. Strapping shall conform to ASTM D 3953, grade optional, with a protective finish.

5.1.1.4 Accessories Accessories shall be packed in boxes conforming to PP-B-601, overseas type. The contents shall be blocked, braced, and cushioned to prevent movement within the boxes.

5.1.2 Level B. The items shall be packed as specified in 5.1.1, except that where boxes are required they shall comply with PPP-B-601, domestic type, and where strapping is required, the protective finish shall not be required.

5.1.3 Commercial. The items shall be packed in accordance with ASTM D 3951.

5.2 Marking.

5.2.1 Military agencies. Marking shall be in accordance with FED-STD-123.

5.2.2 Civil agencies. Marking shall be in accordance with the requirements of ASTM D 3951.

## 6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Intended use. Fencing fabric, with proper posts, gates, and accessories, for complete fencing is intended for domestic, commercial, and industrial use.

6.2 Ordering data. Purchasers should select the preferred options permitted herein and include the following information in acquisition documents:

- a. Title, number, and date of this specification.
- b. Issue of DODISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.1.1).
- c. Frequency of tests (see 4.5.1).
- d. Selection of applicable level of packing required (see 5.1).

6.3 Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue, due to the extensiveness of the changes.

6.4 Sampling. A random sample of like fence components shall be selected from each lot in accordance with MIL-STD-105.

6.4.1 Sampling for examination and tests. A random sample for examination and tests shall be selected in accordance with MIL-STD-105 based on examination level II, and test level S-2. The Acceptable Quality Level (AQL) shall be 2.5 percent defective for major defects and 4.0 percent defective for minor defects.

MILITARY CUSTODIANS:

Army - ME  
Navy - YD  
Air Force - 99

CIVIL AGENCY COORDINATING ACTIVITIES:

GSA - FSS  
HHS - FEC  
INTERIOR - BLM  
USDA - AFS

Review Activities

Air Force - 84  
DLA - CS

PREPARING ACTIVITY:

Navy - YD

User Activity

Army - CE

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Orders for this publication are to be placed with General Services Administration, acting as an agent for the Superintendent of Documents. See section 2 of this specification to obtain extra copies and other documents referenced herein.