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**Fences
(English Translation)**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document supersedes GB/T 26941.1-2011 "Isolation Fences - Part 1: General Rules" and GB/T 26941.2-2011 "Isolation Fences - Part 1: General Rules".

Part 2: Posts, Braces and Gates; GB/T 26941.3-2011 "Guarding Fence Part 3: Welded Wire Mesh"; GB/T 26941.4-2011 "Guarding Fence Part 2: Posts, Braces and Gates"...2.Posts, GB/T 26941.5-2011 "Fence Part 4: Barbed Wire Mesh", GB/T 26941.6-GB/T 26941.1-2011 "Guarding Fence - Part 6: Expanded Metal Mesh". This document is based on GB/T 26941.1-2011 and integrates GB/T 26941.2~ GB/T 26941.6-2011. Compared with GB/T 26941.1-2011, the main technical changes, apart from structural adjustments and editorial modifications, are as follows.

- a) Added terms and definitions for fencing and barbed wire (see 3.1 and 3.2);
- b) The composition of the isolation fence has been changed (see 4.1, 3.1 in the 2011 version);
- c) The content of the categories has been changed (see 4.2, 3.2 in the 2011 version);
- d) Added designation requirements for various types of fencing (see 4.3);
- e) The "General Requirements" were changed to "Appearance Quality," and its requirements were revised (see 5.1, 4.1 of the 2011 edition);

- f) Increased requirements for structural dimensions, precision, materials, and processing (see 5.2~5.4);
- g) The technical requirements and test methods for the quality of the anti-corrosion coating have been revised (see 5.5, 6.4, and 4.2 and 5.4.2 in the 2011 edition);
- h) The requirements for experimental environment conditions, reagents, experimental instruments and equipment have been deleted (see 5.1~5.3 of the 2011 edition);
- i) Test methods for structural dimensions and mechanical properties have been added (see 6.2 and 6.3);
- j) The inspection rules have been changed (see Chapter 7, Chapter 6 in the 2011 edition);
- k) Changes have been made to the requirements for marking, packaging, transport, and storage (see Chapter 8, 7.1-7.4 of the 2011 edition);
- l) The requirement for accompanying documents has been removed (see 7.5 in the 2011 version).

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the National Technical Committee on Standardization of Transportation Engineering Facilities (Highway) (SAC/TC223).

1 Scope

This document specifies the composition, classification and designation, technical requirements, test methods, inspection rules, and marking, packaging, transportation, and other aspects of fencing.

Storage requirements, etc.

This document applies to the production and inspection of fencing products.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

GB/T 228.1 Metallic materials - Tensile testing - Part 1: Test method at room temperature
GB/T 700 Carbon Structural Steel GB/T 2518 Continuously hot-dip galvanized and zinc

alloy coated steel sheets and strips GB/T 3098.1 Mechanical properties of fasteners - bolts, screws and studs GB/T 3274 Hot-rolled steel plates and strips of carbon structural steel and low-alloy structural steel GB/T 3280 Stainless steel cold-rolled sheet and strip GB/T 4240 Stainless Steel Wire GB/T 6728 Cold-formed hollow steel sections for structural use GB/T 8358 Method for determining the breaking tensile strength of steel wire rope GB/T 11253 Cold-rolled carbon structural steel plates and strips GB/T 13793 Straight seam electric welded steel pipe GB/T 18226 Technical Requirements for Corrosion Protection of Steel Components in Highway Traffic Engineering GB/T 33275 Expanded Metal Mesh YB/T 4761 Continuously hot-dip galvanized aluminum-magnesium alloy coated steel sheets and strips YB/T 5294 General Purpose Low Carbon Steel Wire

3 Terms and Definitions

The following terms and definitions apply to this document.

Mesh structures used to isolate different functional areas or restrict the entry and exit of people, animals, etc., into specific areas.

Razorbarbed wire mesh Symmetrical butterfly-shaped pieces with acute-angled ends, formed by stamping from steel or stainless steel plates, are combined with steel or stainless steel wire cores to form butterfly-shaped barbs.

Rope, or barbed wire, forms a net through its own curling or interweaving.