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DRAFT Jamaican Standard

Specification

for

**High-Strength Low-Alloy Structural Steel, up to 50 ksi [345 MPa] Minimum Yield Point, with Atmospheric Corrosion Resistance**



**BUREAU OF STANDARDS JAMAICA**

**This Jamaican National Standard is identical to ASTM A588/A588M-15, Standard Specification for High-Strength Low-Alloy Structural Steel, up to 50 ksi [345 MPa] Minimum Yield Point, with Atmospheric Corrosion Resistance, Copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428, USA. Published and reprinted pursuant to license agreement with ASTM International.**

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DJS ASTM A588/A588M-15: 2018

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The general policies of the JBS Certification Mark Programme are as follows:

- The JBS provides certification services for manufacturers participating in the programme and licensed to use the gazetted JBS Certification Marks to indicate conformity with Jamaican Standards.
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Product Certification Marks



Plant Certification Mark



Certification of Agricultural Produce  
(CAP) Mark



Jamaica-Made Mark

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**Month 2018**

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First published Month 2018

This standard was circulated in draft form for comments under the reference DJS ASTM A588/A588M-15: 2018.

Jamaican Standards establish requirements in relation to commodities, processes and practices, but do not purport to include all the necessary provisions of a contract.

The attention of those using this specification is called to the necessity of complying with any relevant legislation.

Amendments

No.	Date of Issue	Remarks	Entered by and date

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**NOTE**

Informative Annex – gives additional information intended to assist in the understanding or use of the document. They do not contain requirements.

Normative Annex – gives provisions additional to those in the body of a document. They contain requirements.





## INTERNATIONAL Designation: A588/A588M – 15

### National foreword

This standard is an adoption of and is identical to ASTM A588/A588M–15 Standard Specification for High-Strength Low-Alloy Structural Steel, up to 50 ksi [345 MPa] Minimum Yield Point, with Atmospheric Corrosion Resistance published by ASTM International.

### Scope

1.1 This specification covers high-strength low-alloy structural steel shapes, plates, and bars for welded, riveted, or bolted construction but intended primarily for use in welded bridges and buildings where savings in weight or added durability are important. The atmospheric corrosion resistance of this steel in most environments is substantially better than that of carbon structural steels with or without copper addition (see Note 1).

When properly exposed to the atmosphere, this steel is suitable for many applications in the bare (unpainted) condition. This specification is limited to material up to 8 in. [200 mm] inclusive in thickness.

NOTE 1—For methods of estimating the atmospheric corrosion resistance of low-alloy steels, see Guide G101.

1.2 When the steel is to be welded, a welding procedure suitable for the grade of steel and intended use or service is to be utilized. See Appendix X3 of Specification A6/A6M for information on weldability.

1.3 The values stated in either inch-pound units or SI units are to be regarded separately as standard. Within the text, the SI units are shown in brackets. The values stated in each system are not exact equivalents; therefore, each system is to be used independently of the other, without combining values in any way.

1.4 The text of this specification contains notes, footnotes, or both, that provide explanatory material. Such notes and footnotes, excluding those in tables and figures, do not contain any mandatory requirements.

1.5 For structural products produced from coil and furnished without heat treatment or with stress relieving only, the additional requirements, including additional testing requirements and the reporting of additional test results, of Specification A6/A6M apply.

### Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

A6/A6M Specification for General Requirements for Rolled Structural Steel Bars, Plates, Shapes, and Sheet Piling

G101 Guide for Estimating the Atmospheric Corrosion Resistance of Low-Alloy Steels

This standard is compulsory.

### Committee representation

The revision of this standard for the Standards Council, established under the Standards Act, 1969 was carried out under the supervision of the Bureau's Building and Associated Materials Technical Committee, which at the time comprised the following members:

D Christie (Chairman)

Trelawny Aggregates Ltd.

C Laidlaw

Ministry of Transport and Mining



G Martin	Concrete Blocks and Aggregates Ltd.
H Chin	Jamaica Institutes of Engineers
K Strachan	Carib Cement
L Kelly	Incorporated Master Builders Association of Jamaica
L Smith	Carib Cement
M Greaves	Tank Weld Ltd
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P Shiner	Surrey Paving
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W Francis	Bureau of Standards Jamaica
J Jackson (Recording Secretary)	Bureau of Standards Jamaica
S Satchell-Knight (Facilitator)	Bureau of Standards Jamaica

**Acknowledgment**

Acknowledgement is made to ASTM International for permission to adopt ASTM A588/A588M–15.

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