DJS ASTM A242/A242M-13(2018): 2018 ICS 77.140.10

IC COMMIT **DRAFT** Jamaican Standard Specification for **High-Strength Low-Alloy Structural Steel** Bureau of Standards Jamaica B **BUREAU OF STANDARDS JAMAICA**

This Jamaican National Standard is identical to ASTM A242/A242M-13(2018), Standard Specification for High-Strength Low-Alloy Structural Steel, Copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428, USA. Published and reprinted pursuant to license agreement with ASTM International.

COMMENT PERIOD: JULY 22, 2018 TO SEPTEMBER 22, 2018

MARIA MARIANDA BARDANC COMMENT

MPORTANT NOTICE

Jamaican standards are subjected to periodic review. The next amendment will be sent without charge if you cut along the dotted line and return the self-addressed label. If we do not receive this label we have no record that you wish to be kept up-to-date. Our address:

Bureau of Standards Jamaica 6 Winchester Road P.O. Box 113 Kingston 10 Jamaica W.I.

(Xcut along the line)	
ORA Cut along the fine sector of the sector	DJS ASTM A242/A242M-13(2018): 2018
NAME OR DESIGNATION	
ADDRESS	

JBS CERTIFICATION MARK PROGRAMME

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.
- Where feasible, programmes will be developed to meet special requirements of the submitter. Where applicable, certification may form the basis for acceptance by inspection authorities responsible for enforcement of regulations.
- In performing its functions in accordance with its policies, JBS will not assume or undertake any responsibility of the manufacturer or any other party.

Participants in the programme should note that in the event of failure to resolve an issue arising from interpretation of requirements, there is a formal appeal procedure.

Further information concerning the details of the JBS Certification Mark Programme may be obtained from the Bureau of Standards, 6 Winchester Road, Kingston 10.

CERTIFICATION MARKS



Certification of Agricultural Produce (CAP) Mark



Plant Certification Mark



Jamaica-Made Mark

1C COMMENT

Jamaican Standard

Specification

for

High-Strength Low-Alloy Structural Steel

.ct Bureau of Standards Jamaica 6 Winchester Road P.O. Box 113 Kingston 10 Jamaica W. I. Tel: (876) 926 -3140-5, (876) 618-1534 or (876) 632-4275 Fax: (876) 929 -4736 E-mail: info@bsj.org.jm Website: www.bsj.org.jm

Month 2018

This Jamaican National Standard is identical to ASTM A242/A242M-13(2018), Standard Specification for High-Strength Low-Alloy Structural Steel, Copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428, USA. Published and reprinted pursuant to license agreement with ASTM International.

© 2018 Bureau of Standards Jamaica

All rights reserved. Unless otherwise specified, no part of a Bureau of Standards publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including, photocopying microfilm or scanning, without permission in writing.

ISBN XXX-XXX-XXX-XXX-X

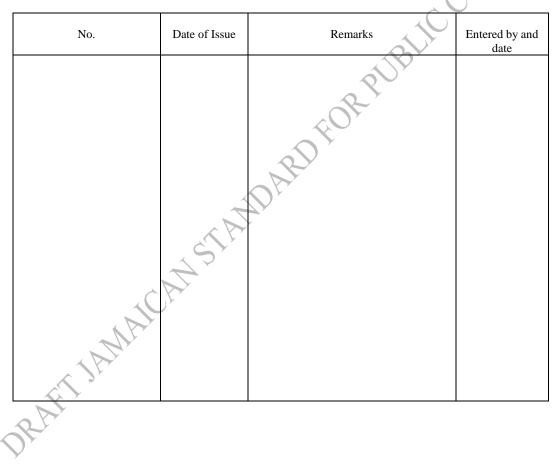
Declared by the Bureau of Standards to be a standard method of test pursuant to section 7 of the Standards Act 1969.

First published Month 2018

This standard was circulated in draft form for comments under the reference DJS ASTM A242/A242M-13 (2018): 2018.

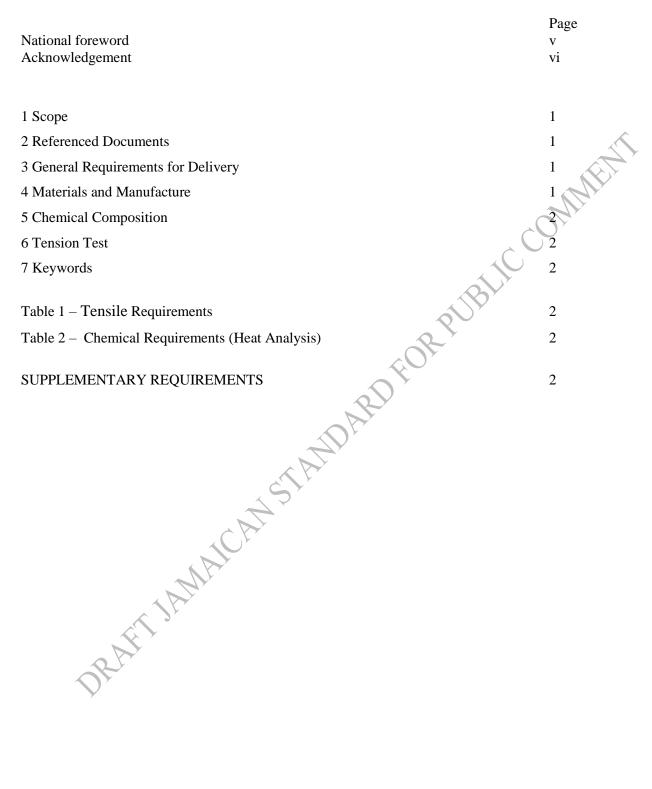
Jamaican Standards establish requirements in relation to commodities, processes and practices, but do not purport to include all the necessary provisions of a contract.

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



Amendments

MTERMATIONAL Designation: A242/A242M – 13 (Reapproved 2018) Contents





NOTE

sp 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.



National foreword

This standard is an adoption of and is identical to ASTM A242/A242M -13 (2018) Standard Specification for High-Strength Low-Alloy Structural Steel 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 intended primarily for use as structural members where savings in weight [mass] or added durability are important. The atmospheric corrosion resistance of the steel in most environments is substantially better than that of carbon structural steels with or without copper addition. When properly exposed to the atmosphere, this steel can be used bare (unpainted) for many applications (see Note 1). This specification is limited to material up to 4 in. [100 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, it is presupposed that a welding procedure suitable for the grade of steel and intended use or service will 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 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 must be used independently of the other. Combining values from the two systems may result in non-conformance with the specification.

1.4 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.

1.5 This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.

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.

ASTM Standards:

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.

A242/A242M- 13 (Reapproved 2018)

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
P Jervis	Peter Jervis and Associates
P Shiner	Surrey Paving
T Givans	University of Technology, Jamaica
W Pena	Carib Cement
G Thomas	National Compliance and Regulatory Authority
J Steadford	National Compliance and Regulatory Authority
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 A242/A242M–13(2018).