
DRAFT Jamaican Standard

Specification

for

**Carbon-Steel Wire and Welded Wire Reinforcement, Plain
and Deformed, for Concrete**



BUREAU OF STANDARDS JAMAICA

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CERTIFICATION MARKS



Product Certification Marks



Plant Certification Mark



Certification of Agricultural Produce (CAP) Mark



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Jamaican Standard
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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



Contents

	Page
National foreword	v
Acknowledgement	vi
1 Scope	1
2 Referenced Documents	1
3 Terminology	1
4 Ordering Information	3
5 Materials	3
6 Manufacture	4
7 Mechanical Property Requirements—Wire, Plain and Deformed	4
8 Mechanical Property Requirements—Welded Wire Reinforcement	6
9 Weld Shear Test Apparatus and Methods	7
10 Dimensions and Permissible Variations for Welded Wire Reinforcement	7
11 Sampling	9
12 Inspection	9
13 Rejection and Retest	9
14 Certification	9
15 Packaging and Marking	10
16 Keywords	10
Table 1 – Dimensional Requirements for Plain Wire—Inch-Pound Units	2
Table 2 – Dimensional Requirements for Plain Wire—SI Units	2
Table 3 - Dimensional Requirements for Deformed Wire—Inch-Pound Units	3
Table 4 - Dimensional Requirements for Deformed Wire—SI Units	4
Table 5 - Tension Test Requirements—Plain Wire	4
Table 6 - Tension Test Requirements—Plain Wire for Welded Wire Reinforcement	5
Table 7 - Permissible Variation in Plain Wire Diameter	5
Table 8 - Bend Test Requirements—Plain Wire	5
Table 9 - Tension Test Requirements—Deformed Wire	5
Table 10 - Tension Test Requirements—Deformed Wire for Welded Wire Reinforcement	5
SUMMARY OF CHANGES	10



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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.



National foreword

This standard is an adoption of and is identical to ASTM A1064/A1064M–17 Standard Specification for Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete published by ASTM International.

Scope

1.1 This specification covers carbon-steel wire and welded wire reinforcement produced from hot-rolled rod to be used for the reinforcement of concrete. The steel wire is cold-worked, drawn or rolled, plain (non-deformed, as-drawn or galvanized), or deformed. Welded wire reinforcement is made from plain or deformed wire, or a combination of plain and deformed wire.

Common wire sizes and dimensions are given in Table 1, Table 2, Table 3, and Table 4. Actual wire sizes are not restricted to those shown in the tables.

NOTE 1—Welded wire for concrete reinforcement has historically been described by various terms: welded wire fabric, WWF, fabric, and mesh.

The wire reinforcement industry has adopted the term welded wire reinforcement (WWR) as being more representative of the applications of the products being manufactured. Therefore, the term welded wire fabric has been replaced with the term welded wire reinforcement in this specification and in related specifications.

1.2 The values stated in either inch-pound or SI units are to be regarded separately as standard. Within the text the SI units are shown in brackets (except in Table 2 and Table 4). The values stated in each system are not exact equivalents; therefore, each system must be used independently of the other. Combining values may result in nonconformance with the specification.

1.3 This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

1.4 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:

A370	Test Methods and Definitions for Mechanical Testing of Steel Products
A641/A641M	Specification for Zinc-Coated (Galvanized) Carbon Steel Wire
E83	Practice for Verification and Classification of Extensometer Systems

U.S. Military Standard:

MIL-STD-129	Marking for Shipment and Storage
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Fed. Std. No. 123 Marking for Shipments (Civil Agencies)

American Concrete Institute (ACI) Standard:

ACI 318 Building Code Requirements for Structural Concrete

Adjuncts:

Weld Tester Drawing

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.
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W Francis	Bureau of Standards Jamaica
J Jackson (Recording Secretary)	Bureau of Standards Jamaica
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Acknowledgment

Acknowledgement is made to ASTM International for permission to adopt ASTM A1064/A1064M-17.