DJS ASTM F414: 2023
ICS 83.160.10

Draft Jamaican Standard

Method of Test

for

Energy absorbed by a tire when deformed by slow- moving plunger

BUREAU OF STANDARDS JAMAICA

NON-OBJECTION PERIOD: 3 December 2023 to 1 January 2024

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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
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DJS ASTM F414: 2023

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- 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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This standard was circulated in draft form for thirty (30) days non-objection under the reference DJS ASTM F414: 2023.

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

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

Amendments

No.	Date of Issue	Remarks	Entered by and date

Contents Pages

National Foreword

This standard is an adoption and is identical to ASTM F414: 2021 Standard method of test for Energy absorbed by a tire when deformed by slow-moving plunger published by American Society for Testing Materials (ASTM) International.

Scope of the Standard

1.1 This test method covers the determination of tire plunger energy required to completely penetrate the tread area of an inflated tire as indicated by a rupture, loss of inflation pressure, sudden drop in plunger force or bottom-out. The test requires utilization of a laboratory testing machine capable of slowly penetrating the tread surface of a tire with a plunger having a hemispherical end.

1.2 This test method is applicable to pneumatic tires for vehicles normally used on the road.

1.3 The values stated in SI units are to be regarded as the standard. The values given in parentheses are provided for information only.

1.4 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, health, and environmental practices and determine the applicability of regulatory limitations prior to use.

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.

Where the words 'International Standard' appear, referring to this standard, they should be read as 'Jamaican Standard'.

Where reference is made to informative and normative annexes the following definitions should be noted:

- 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.

Users should note that all standards undergo revision from time to time and that any reference made herein to any standard implies its latest edition, unless otherwise stated.

This standard is voluntary.

Acknowledgement
Acknowledgement is made to American Society for Testing Materials (ASTM) International for permission to adopt ASTM F414: 2021.