
Draft Jamaican Standard

Specification

for

Road vehicles –

**Pressure test connection for compressed- air pneumatic braking
equipment**



BUREAU OF STANDARDS JAMAICA

NON OBJECTION PERIOD: 9 April 2023 to 8 May 2023

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DJS ISO 3583: 2023

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National Foreword

This standard is an adoption and is identical to **ISO 3583: 1984** Road vehicles – Pressure test connection for compressed- air pneumatic braking equipment published by International Organization for Standardization.

Scope of the Standard

This International Standard specifies the main characteristics of two types (A and B) of connections used for checking response times and pressure levels for compressed–air braking equipment fitted on road vehicles.

This International Standard also specifies the open space requirements that shall surround the pressure test connection and the protection against corrosion.

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

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Acknowledgement

Acknowledgement is made to the International Organization for Standardization (ISO) for permission to adopt **ISO 3583: 1984**.

Draft Jamaican Standard

Specification

for

Road vehicles –

Connectors for the electrical connection of towing and towed vehicles –
**Part 1: Connectors for braking systems and running gear of vehicles
with 24 V nominal supply voltage**



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National Foreword

This standard is an adoption and is identical to **ISO 7638-1: 2018** Road vehicles – Connectors for the electrical connection of towing and towed vehicles – Part 1: Connectors for braking systems and running gear of vehicles with 24 V nominal supply voltage published by International Organization for Standardization.

Scope of the Standard

This part of ISO 7638 gives the dimensions of, and specifies the contact allocation and tests and test requirements for, connectors for the electrical connection of the braking systems and running gear of towing and towed vehicles with 24 V nominal supply voltage. In addition, it specifies a park socket used to receive and store the plug when disconnected.

This International Standard also specifies the open space requirements that shall surround the pressure test connection and the protection against corrosion.

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Draft Jamaican Standard

Specification

for

Road vehicles –

Connectors for the electrical connection of towing and towed vehicles –
**Part 2: Connectors for braking systems and running gear of vehicles
with 12 V nominal supply voltage**



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National Foreword

This standard is an adoption and is identical to **ISO 7638-2: 2018** Road vehicles – Connectors for the electrical connection of towing and towed vehicles – Part 2: Connectors for braking systems and running gear of vehicles with 12 V nominal supply voltage published by International Organization for Standardization.

Scope of the Standard

This part of ISO 7638 gives the dimensions of, and specifies the contact allocation and tests and test requirements for, connectors for the electrical connection of the braking systems and running gear of towing and towed vehicles with 12 V nominal supply voltage. In addition, it specifies a park socket used to receive and store the plug when disconnected.

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Specification

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Road vehicles –

Interchange of digital information on electrical connections between
towing and towed vehicles –

Part 1: Physical and data-link layers



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National Foreword

This standard is an adoption and is identical to **ISO 11992-1: 2019** Road vehicles –Interchange of digital information on electrical connections between towing and towed vehicles – Part 1: Physical and data-link layers published by International Organization for Standardization.

Scope of the Standard

This document describes the data link layer (DLL) and physical layer (PHY) for the two CAN-based network interfaces specified in the 11992- series.

The DLL sub-clauses are composed of:

- DLL protocol entity requirements;
- DLL device interface requirements; and
- DLL network system requirements.

Normally, the physical signalling sub-layer is implemented in the CAN protocol controller. The physical medium attachment sub-layer is normally implemented in the CAN transceiver or the System Base Chip (SBC). Optionally, it can comprise also additional protection circuitry. The media-dependent sub-layer comprises the connectors and the cabling.

The physical signalling (PS) sub-clauses are composed of:

- PS entity requirements;
- PS device interface requirements; and
- PS network system requirements.

The physical medium attachment (PMA) sub-clauses are composed of:

- PMA protocol entity requirements; and
- PMA device interface requirements.

The physical medium dependent (PMD) sub-clauses are composed of:

- PMD entity requirements;
- PMD device interface requirements; and
- PMD network system requirements.

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Part 2: Application layer for brakes and running gear




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National Foreword

This standard is an adoption and is identical to **ISO 11992-2: 2023** Road vehicles –Interchange of digital information on electrical connections between towing and towed vehicles – Part 2: Application layer for brakes and running gear published by International Organization for Standardization.

Scope of the Standard

This document specifies the SAE J1939-based application layer, the payload of messages, and parameter groups for electronically controlled braking systems, including anti-lock braking systems (ABS), vehicle dynamics control systems (VDC), and running gears equipment, to ensure the interchange of digital information between road vehicles with a maximum authorized total mass greater than 3500 kg and their towed vehicles, including communication between towed vehicles.

Conformance and interoperability test plans are not part of this document.

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

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