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**Rolling stock — Logie — Strength test —
Part 2: Methods for on-track testing**

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Contents

	Page
1	Scope 1
2	Normative references 1
3	Terms and definitions 1
4	Test method 2
4.1	Selection of stress measurement point 2
4.2	Test section 2
4.3	Running conditions 2
4.4	Preparation before measurements 2
4.5	Measurement 3
4.6	Waveform processing 3
5	Indication method 3

Foreword

This Japanese Industrial Standard has been established by the Minister of Land, Infrastructure, Transport and Tourism through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Japan Association of Rolling Stock Industries (JARI)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act.

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JIS E 4208 series consists of the following 2 parts under the general title *Rolling stock-Bogie-Strength test*:

Part 1 : Methods for static load testing

Part 2 : Methods for on-track testing

Rolling stock — Bogie — Strength test — Part 2 : Methods for on-track testing

1 Scope

This Japanese Industrial Standard specifies the methods for on-track testing (hereafter referred to as test) for confirming, by rolling stock operations, the strength of bogie frames, beams or the combination of bogie frames and beams (hereafter referred to as bogie frames, etc.) of bogies used for a rolling stock.

This Standard does not apply to the bogie frames and beams used for special railway cars (such as a trolleybus, a monorail car, a modified-personal-rapid-transit car and a magnetically supported vehicle) which use e.g. a rubber tire.

2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 0153 *Glossary of terms used in mechanical vibration and shock*

JIS E 4001 *Railway rolling stock — Vocabulary*

JIS E 4207 *Rolling stock — Bogie — General rules for design of bogie frame strength*

JIS E 4208-1 *Rolling stock — Bogie — Strength test — Part 1 : Methods for static load testing*

JIS Z 2300 *Terms and definitions of nondestructive testing*

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions, and those given in JIS B 0153, JIS E 4001, JIS E 4208-1 and JIS Z 2300 apply.

3.1

storage gauge

combined gauge prepared by connecting a gauge/gauges used in a static load test or a newly attached gauge/gauges and a temperature compensating dummy gauge or the like attached close to the afore-mentioned gauge/gauges and then treated with water-tight coating, which is used for measuring varying stresses during on-track testing of railway rolling stock

3.2

fully loaded rolling stock condition