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**Method of tensile stress relaxation test  
for metallic materials**

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In the event of any doubts arising as to the contents,  
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## Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by the Japan Iron and Steel Federation (JISF) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently, **JIS Z 2276** : 2000 is replaced with this Standard.

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Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public or utility model right. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public or utility model right.

# Method of tensile stress relaxation test for metallic materials

## Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **ISO 15630-3** published in 2010. In **ISO 15630-3**, test methods of tensile stress relaxation on steel bars and strands for reinforcement and prestressing concrete at only room temperature are specified; however, in this Standard, requirements on the test at especially over room temperature that are of **JIS** own are added.

The portions given sidelines or dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JA.

## 1 Scope

This Standard specifies the method of tensile stress relaxation test in which the relaxation [the change of test force (stress) over time] of tensile test force (stress) for metallic materials is measured under the condition of a constant tensile total strain and of a constant temperature.

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

**ISO 15630-3** : 2010 *Steel for the reinforcement and prestressing of concrete — Test methods — Part 3 : Prestressing steel* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

Warning Persons carrying out tests based on this Standard should be familiar with normal laboratory practice. This Standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this Standard to establish appropriate safety and health practices.

## 2 Normative references

The following standards contain provisions which, 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 7721 *Tension/compression testing machines — Verification and calibration of the force-measuring system*

NOTE : Corresponding International Standard : **ISO 7500-1** *Metallic materials — Verification of static uniaxial testing machines — Part 1 : Ten-*