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**Ultrasonic testing of stainless steel
plates**

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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 the proposal for revision of Japanese Industrial Standard submitted by Japan Stainless Steel Association (JSSA)/ Japanese Standards Association (JSA) 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 G 0802:1998** is replaced with this Standard.

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

Ultrasonic testing of stainless steel plates

Introduction

This Japanese Industrial Standard has been prepared based on the second edition of **ISO 17577**, published in 2016, with some modifications of the technical contents.

The vertical lines on both sides and dotted underlines indicate addition to the corresponding International Standard. A list of modifications with the explanations is given in Annex JE.

1 Scope

This Standard specifies the ultrasonic testing of stainless steel plates of 6 mm or over up to and including 200 mm in thickness.

This ultrasonic testing also applies to nickel plates, nickel alloy plates and superalloy plates. (Stainless steel plates, nickel plates, nickel alloy plates and superalloy plates will hereinafter be collectively referred to as flat products.)

Additionally, this Standard may be applied to products less than 6 mm or over 200 mm in thickness by agreement between the purchaser and the manufacturer.

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

ISO 17577:2016 *Steel—Ultrasonic testing of steel flat products of thickness equal to or greater than 6 mm (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**.

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 0601 *Geometrical Product Specifications (GPS)—Surface texture: Profile method—Terms, definitions and surface texture parameters*

JIS B 8266 *Alternative standard for construction of pressure vessels*

JIS G 0431 *Steel products—Employer's qualification system for non-destructive testing (NDT) personnel*

JIS G 4304 *Hot-rolled stainless steel plate, sheet and strip*

JIS G 4305 *Cold-rolled stainless steel plate, sheet and strip*

JIS Z 2300 *Terms and definitions of nondestructive testing*

JIS Z 2305 *Non-destructive testing—Qualification and certification of NDT personnel*