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**Dimensions, mass and permissible  
variations of hot rolled steel sections**

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In the event of any doubts arising as to the contents,  
the original JIS is to be the final authority.

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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 G 3192:2010** is replaced with this Standard.

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# Dimensions, mass and permissible variations of hot rolled steel sections

## Introduction

This Japanese Industrial Standard has been prepared based on the first editions of **ISO 657-1** and **ISO 657-2** published in 1989, the first edition of **ISO 657-5** published in 1976, the first editions of **ISO 657-11**, **ISO 657-15**, **ISO 657-16**, **ISO 657-18** and **ISO 657-19** published in 1980, and the first edition of **ISO 657-21** published in 1983 with some modifications of the technical contents.

The portions with continuous 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 appearance, shapes and permissible variations thereof, and the dimensions, mass and their tolerances of hot rolled steel sections (hereafter, referred to as “steel sections”).

The application of this Standard is specified in respective product standards.

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

ISO 657-1:1989 *Hot-rolled steel sections—Part 1: Equal-leg angles—Dimensions*

ISO 657-2:1989 *Hot-rolled steel sections—Part 2: Unequal-leg angles—Dimensions*

ISO 657-5:1976 *Hot-rolled steel sections—Part 5: Equal-leg angles and unequal-leg angles—Tolerances for metric and inch series*

ISO 657-11:1980 *Hot-rolled steel sections—Part 11: Sloping flange channel section (Metric series)—Dimensions and sectional properties*

ISO 657-15:1980 *Hot-rolled steel sections—Part 15: Sloping flange beam sections (Metric series)—Dimensions and sectional properties*

ISO 657-16:1980 *Hot-rolled steel sections—Part 16: Sloping flange column sections (metric series)—Dimensions and sectional properties*

ISO 657-18:1980 *Hot-rolled steel sections—Part 18: L sections for ship-building (metric series)—Dimensions, sectional properties and tolerances*

ISO 657-19:1980 *Hot-rolled steel sections—Part 19: Bulb flats (metric series)—Dimensions, sectional properties and tolerances*

ISO 657-21:1983 *Hot-rolled steel sections—Part 21: T-sections with equal depth and flange width—Dimensions (overall evaluation: MOD)*

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