

JIS

JAPANESE INDUSTRIAL STANDARD

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

JIS G 3192—1994

Translated and Published

by

Japanese Standards Association

Printed in Japan

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Dimensions, mass and permissible variations
of hot rolled steel sections

G 3192-1994

1. **Scope** This Japanese Industrial Standard specifies the dimensions, mass and their tolerances of hot rolled steel sections as well as the appearance, shapes and permissible variations thereof.

Remarks 1. The application of this Standard is specified in the relevant product standards.

2. The following standard is cited in this Standard:



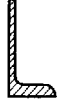





JIS Z 8401 Rules for rounding off of numerical values

2. **Definition** For the main term used in this Standard, the following definition applies:

steel sections The steels which are hot rolled to the sectional shape specified in 3., and then cut in specified length to be supplied.

3. **Sectional shape and classification** The sectional shapes of the steel sections and their classification shall be as given in Table 1.

Table 1. Sectional shape of steel sections and classification

Classification		Sectional shape diagram
Angles	Equal legs	
	Unequal legs	
	Unequal legs and thicknesses	
I sections		
Channels		
Bulb flats		
T sections		
H sections		

4. Expression of size The size of the steel sections shall be expressed by each sectional dimension in millimeter and the length in meter.

5. Standard dimensions The standard dimensions shall be as follows:

- (1) The standard sectional dimensions of the steel sections shall be as given in Attached Tables 1 to 8.
- (2) The standard lengths of the steel sections shall be as given in Table 2.

Table 2. Standard length

										Unit: m
6.0	6.5	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0

6. Shape and dimensional tolerances The shape and dimensional tolerances of the steel sections shall be as follows. The tolerances of the steel sections other than those specified in (1) and (2) shall be agreed upon between the purchaser and supplier.

- (1) The shapes and dimensional tolerances of the angles, I sections, channels, bulb flats and T sections shall be as given in Table 3.
- (2) The shape and dimensional tolerances of the H sections shall be as given in Table 4. The tolerances on ends-out-of-square, however, shall be applied on the request of the purchaser.