
Vroče valjani profili I z nagnjenimi notranjimi ploskvami pasnic - Tolerance oblike in mer

Hot rolled taper flange I sections - Tolerances on shape and dimensions

Warmgewalzte I-Profil mit geneigten inneren Flanschflächen - Grenzabmaße und Formtoleranzen

Poutrelles en I a ailes inclinées laminées a chaud - Tolérances de forme et de dimensions

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Steel profiles

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European Committee for Standardization
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Foreword

This European Standard has been prepared by ECISS/TC 11 "Structural steel sections", the secretariat of which is held by BSI.

The discussion within ECISS/TC 11 were based on proposals by ECISS/TC 11/WG 3 and prEN 10034.

This European Standard shall be given the status of a National Standard, either by publication of an identical text or by endorsement, at the latest by September 1995, and conflicting national standards shall be withdrawn at the latest by September 1995.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

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1 Scope

This European Standard specifies requirements for tolerances on dimensions, shape and mass of hot-rolled taper flange I sections. These requirements do not apply to taper flange I sections produced from stainless steel.

2 Normative references

This European Standard incorporates by dated or undated reference provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 10079 Definition of steel products

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3 Definitions

For the purpose of this European Standard the definitions given in EN 10079 apply.

4 Tolerances on dimensions and shape

4.1 Height (h)

The deviation from nominal on height (h) shall be within the tolerance given in table 1.

4.2 Flange width (b)

The deviation from nominal on flange width (b) shall be within the tolerance given in table 1.

4.3 Web thickness (s)

The deviation from nominal on web thickness, when measured at the mid-width position of the web, shall be within the tolerance given in table 1.

4.4 Flange thickness (t) (standards.iteh.ai)

The deviation from nominal on flange thickness, when measured at a distance of $\frac{b}{4}$ from the mid-width position of the flange, shall be within the tolerance given in table 1.

4.5 Out of square ($k + k^1$)

The out of squareness of the section shall not exceed the maximum given in table 1.

4.6 Web off centre (e)

The mid-thickness of the web shall not deviate from the mid-width position on the flange by more than the distance (e) given in table 1.

4.7 Straightness (q_x or q_y)

The straightness shall comply with the requirements given in table 1.

5 Tolerance on mass

The mass of a batch or piece shall be within $\pm 4.0 \%$ of the calculated mass (see table 1).

The mass deviation is the difference between the actual mass of the batch or piece and the calculated (theoretical) mass.

The calculated mass shall be determined using a density of 7.85 kg/dm^3 .

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6 Tolerance on length

The sections shall be cut to ordered lengths to tolerances of either

a) ± 50 mm

or, by agreement,

b) $+ 100$ mm.
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(See table 1.)

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