



**SLOVENSKI STANDARD**  
**SIST EN 10248-2:1998**  
**01-avgust-1998**

---

**Vročje valjana obešala iz nelegiranih jekel - 2. del: Mejni odstopki mer in tolerance oblik**

Hot rolled sheet piling of non alloy steels - Part 2: Tolerances on shape and dimensions

Warmgewalzte Spundbohlen aus unlegierten Stählen - Teil 2: Grenzabmaße und Formtoleranzen

Palplanches laminées a chaud en aciers non alliés - Partie 2: Tolérances sur forme et dimensions

**iTeh STANDARD PREVIEW**

(standards.iteh.ai)

SIST EN 10248-2:1998

Ta slovenski standard je istoveten z: **EN 10248-2:1995**

<https://standards.iteh.ai/catalog/standards/sist/cdb26d51-ba7d-4914-9193-25cdcc099b9c/sist-en-10248-2-1998>

---

**ICS:**

77.140.45	Nelegirana jekla	Non-alloyed steels
77.140.70	Jekleni profili	Steel profiles

**SIST EN 10248-2:1998**

**en**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN 10248-2:1998

<https://standards.iteh.ai/catalog/standards/sist/cdb26d51-ba7d-4914-9193-25cdee099b9c/sist-en-10248-2-1998>

EUROPEAN STANDARD

EN 10248-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 1995

ICS 77.140.70

Descriptors: iron and steel products, hot rolled products, sheet piling, steels, unalloyed steels, dimensions, dimensional tolerances, form tolerances

English version

## Hot rolled sheet piling of non alloy steels - Part 2: Tolerances on shape and dimensions

Planchettes laminées à chaud en aciers non alliés - Partie 2: Tolérances sur forme et dimensions

Warmegewalzte Spundbohlen aus unlegierten Stählen Teil 2: Grenzabmaße und Formtoleranzen

**STANDARD PREVIEW**  
(standards.iteh.ai)

SIST EN 10248-2:1998

<https://standards.iteh.ai/catalog/standards/sist/cdb26d51-ba7d-4914-9193-25cdee099b9c/sist-en-10248-2-1998>

This European Standard was approved by CEN on 1995-05-19. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

# CEN

European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

© 1995

All rights of reproduction and communication in any form and by any means reserved in all countries to CEN and its members.

Ref. No. EN 10248-2:1995 E

## Contents

<b>Foreword</b> .....	<b>3</b>
<b>1 Scope</b> .....	<b>4</b>
<b>2 Normative references</b> .....	<b>4</b>
<b>3 Height of profiles</b> .....	<b>4</b>
3.1 U-sheet piles.....	4
3.2 Z-sheet piles.....	5
3.3 H-sheet piles.....	5
<b>4 Width of profiles</b> .....	<b>5</b>
4.1 U-sheet piles.....	5
4.2 Z-sheet piles.....	6
4.3 Flat profiles.....	6
4.4 H-sheet piles.....	6
<b>5 Wall thicknesses of profiles</b> .....	<b>7</b>
5.1 U-sheet piles.....	7
5.2 Z-sheet piles.....	7
5.3 Flat profiles.....	8
5.4 H-sheet piles.....	8
<b>6 Straightness of profiles (deviation from straight line)</b> .....	<b>9</b>
<b>7 Length of profiles</b> .....	<b>9</b>
<b>8 Squareness of ends for all profiles</b> .....	<b>9</b>
<b>9 Mass of all profiles</b> .....	<b>10</b>
<b>10 Interlocks of profiles</b> .....	<b>10</b>
<b>11 Options</b> .....	<b>12</b>

**Foreword**

This European Standard was prepared by SC4 "Sheet piling" of Technical Committee ECISS/TC10 "Structural steels - Qualities" the secretariat of which is held by NNI.

EN 10248 is composed of two parts :

- Part 1 : Technical delivery conditions,
- Part 2 : Tolerances on shape and dimensions.

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 December 1995, and conflicting national standards shall be withdrawn at the latest by December 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.

## **iTeh STANDARD PREVIEW** **(standards.iteh.ai)**

SIST EN 10248-2:1998

<https://standards.iteh.ai/catalog/standards/sist/cdb26d51-ba7d-4914-9193-25cdee099b9c/sist-en-10248-2-1998>

## 1 Scope

This part of this European Standard specifies the tolerances on dimensions, squareness of ends, straightness and mass of hot rolled non alloy steel sheet piles which are defined in EN 10248-1.

## 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 10248-1** Hot rolled sheet piling of non alloy steels - Part 1 : Technical delivery conditions.

## 3 Height of profiles

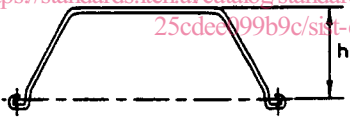
### 3.1 U-sheet piles

The tolerances on the height of U-sheet piles are given in table 1.

Table 1 : Height of U-sheet piles

iTeh STANDARD PREVIEW

Dimensions in millimetres

Designation	Figure	Nominal dimension	Tolerance
Height h	 <p>SIST EN 10248-2:1998  <a href="https://standards.iteh.ai/catalog/standards/sist/cdb26d51-ba7d-4914-9193-25cdee099b9c/sist-en-10248-2-1998">https://standards.iteh.ai/catalog/standards/sist/cdb26d51-ba7d-4914-9193-25cdee099b9c/sist-en-10248-2-1998</a></p>	$h \leq 200$  $h > 200$	$\pm 4$  $\pm 5$

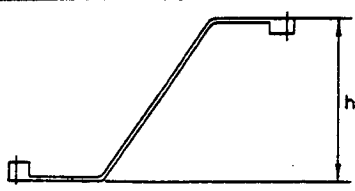
Tolerances on the height of sections made of a pair of crimped or welded piles may be agreed at the time of the enquiry and order.

Option 1, see 11.2.

### 3.2 Z-sheet piles

The tolerances on the height of Z-sheet piles are given in table 2.


Table 2 : Height of Z-sheet piles

Dimensions in millimetres			
Designation	Figure	Nominal dimension	Tolerance
Height h		$h \leq 200$	$\pm 5$
		$200 < h < 300$	$\pm 6$
		$h \geq 300$	$\pm 7$

### 3.3 H-sheet piles

The tolerances on the height of H-sheet piles are given in table 3.

Table 3 : Height of H-sheet piles


Dimensions in millimetres			
Designation	Figure	Nominal dimension	Tolerance
Height h		$h < 500$	$\pm 5$
		$h \geq 500$	$\pm 7$

## 4 Width of profiles <sup>1)</sup>

### 4.1 U-sheet piles

The tolerance on the width of U-sheet piles is given in table 4.

Table 4 : Width of U-sheet piles

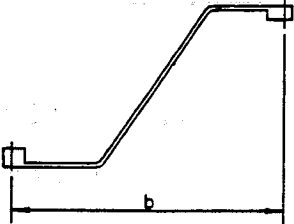
Designation	Figure	Nominal dimension	Tolerance
Width b		all	$\pm 2 \% b$

<sup>1)</sup> For sections interlocked in double or triple piles, the tolerance from the total nominal width may be  $\pm 3 \%$

## 4.2 Z-sheet piles

The tolerance on the width of Z-sheet piles is given in table 5.


Table 5 : Width of Z-sheet piles

Designation	Figure	Nominal dimension	Tolerance
Width b		all	$\pm 2 \% b$

## 4.3 Flat profiles

The tolerance on the width of flat profiles is given in table 6.

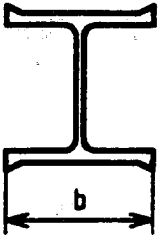
Table 6 : Width of flat profiles

Designation	Figure	Nominal dimension	Tolerance
Width b		all	$\pm 2 \% b$

## 4.4 H-sheet piles

The tolerance on the width of H-sheet piles is given in table 7.

Table 7 : Width of H-sheet piles

Designation	Figure	Nominal dimension	Tolerance
Width b		all	$\pm 2 \% b$

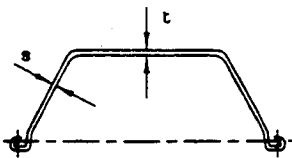


## 5 Wall thicknesses of profiles <sup>2)</sup>

### 5.1 U-sheet piles

The tolerances on wall thicknesses of U-sheet piles are given in table 8.

Table 8 : Wall thicknesses of U-sheet piles

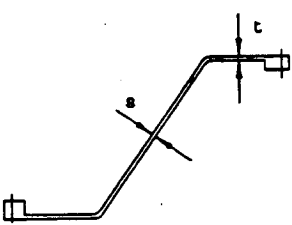
Dimensions in millimetres			
Designation	Figure	Nominal dimension	Tolerance
Thicknesses s and t		$t \leq 8,5$	$\pm 0,5$
		$t > 8,5$	$\pm 6 \% t$
		$s \leq 8,5$	$- 0,5$ <sup>1)</sup>
		$s > 8,5$	$- 6 \% s$ <sup>1)</sup>
<p>1) Normally the positive tolerance shall be at the discretion of the manufacturer. At the time of the enquiry and order, a limitation on the positive tolerance can be agreed. In this case, the following values should be chosen : + 0,5 mm for <math>s &lt; 8,5</math> mm and + 6 % s for <math>s &gt; 8,5</math> mm (option 2, see 11.3)</p>			

### 5.2 Z-sheet piles

(standards.iteh.ai)

The tolerances on wall thicknesses of Z-sheet piles are given in table 9.

Table 9 : Wall thicknesses of Z-sheet piles

Dimensions in millimetres			
Designation	Figure	Nominal dimension	Tolerance
Thicknesses s and t		$t, s \leq 8,5$	$\pm 0,5$
		$t, s > 8,5$	$\pm 6 \% s$ and $t$

<sup>2)</sup> Measured at centre.