



SLOVENSKI STANDARD
oSIST prEN 10248-2:2006
01-junij-2006

Vročje valjane zagate iz nelegiranih jekel - 2. del: Mejni odstopki mer in tolerance oblik

Hot rolled steel sheet piling - 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 les dimensions et la forme

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ICS:

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

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EUROPEAN STANDARD
NORME EUROPÉENNE
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English Version

Hot rolled steel sheet piling - Part 2: Tolerances on shape and dimensions

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

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee ECISS/TC 10.

If this draft becomes a European Standard, 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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (prEN 10248-2:2006) has been prepared by Technical Committee ECISS/TC 10 “Structural steels - Grades and qualities”, the secretariat of which is held by NEN.

This document is currently submitted to the CEN Enquiry.

This document is a draft of revision of EN 10248-2:1995.

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prEN 10248-2:2006 (E)

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 (including amendments).

prEN 10248-1, *Hot rolled steel sheet piling - Part 1 : Technical delivery conditions.*

3 General Requirement

The determination of sheet-piling dimensions and tolerances must comply with the following preparation before any measurement is carried out. This requirement applies in the workshop or on-site without any distinction.

The sheet piling to be measured must be extracted from the storing stack and must be laid down on the ground separately. The reference ground must be flat and free of any local relief over the length of the sheet piling. Transverse supports, e.g. blocks, may be used for supporting the sheet piling on the ground, but the distance between supports must not exceed five meters. The sheet piling must be laid down with the lower flange on the ground parallel to it : in particular, double U-piles and single Z-piles must be supported by blocks or any suitable supporting device.

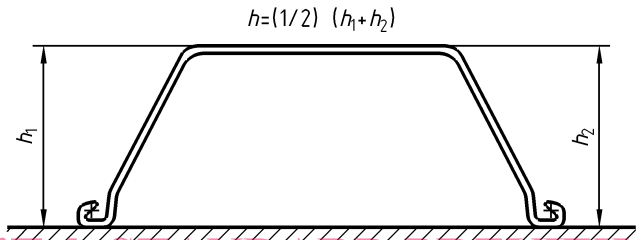
4 Height of profiles

4.1 U-sheet piles

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

Table 1 — Height of U-sheet piles

Dimensions in millimetres

Designation	Figure	Nominal dimension	Tolerance
Height h		$h \leq 200$	± 4
		$h > 200$	± 5

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

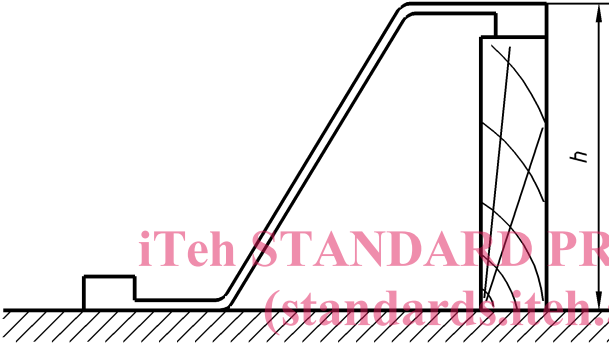
Option 1: See 12.2. [oSIST prEN 10248-2:2006](https://standards.iteh.ai/catalog/standards/sist/792c4575-92c7-42e8-a9ee-60dc1e96ed4c/osist-pren-10248-2-2006)
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4.2 Z-sheet piles

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 <i>h</i>		$h \leq 200$	± 5
		$200 < h < 300$	± 6
		$h \geq 300$	± 7

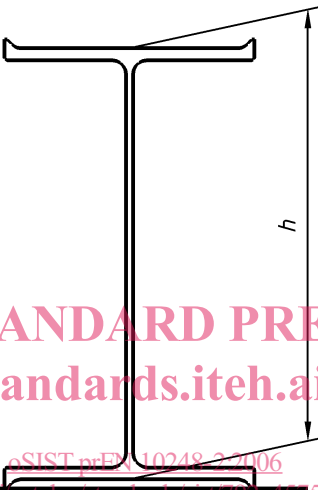
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4.3 H-sheet piles

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

Table 3 — Height of H-sheet piles

Dimensions in millimetres

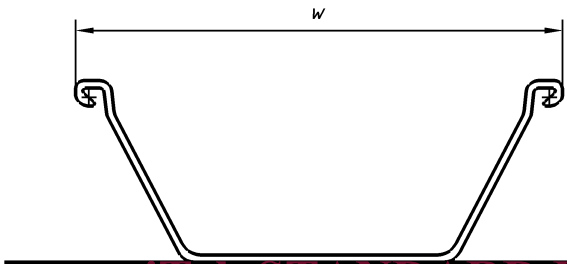
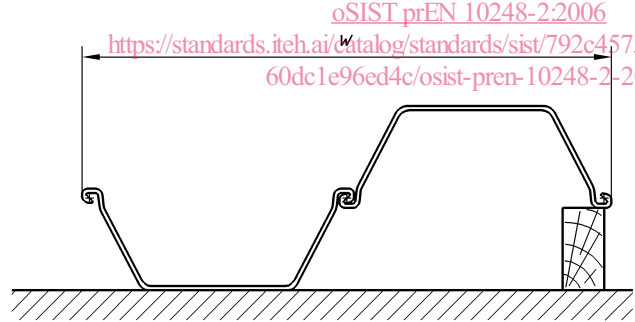
Designation	Figure	Nominal dimension	Tolerance
Height h	 <p style="text-align: center;">iTeh STANDARD PREVIEW (standards.iteh.ai)</p> <p style="text-align: center;">oSIST prEN 10248-2:2006 https://standards.iteh.ai/en/standards/72247/5-92c7-42e8-a9ee-60dc1e96ed4c/osist-pr-en-10248-2-2006</p>	$h < 500$	± 5
		$h \geq 500$	± 7

5 Width of profiles

5.1 U-sheet piles

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

Table 4 — Width of U-sheet piles

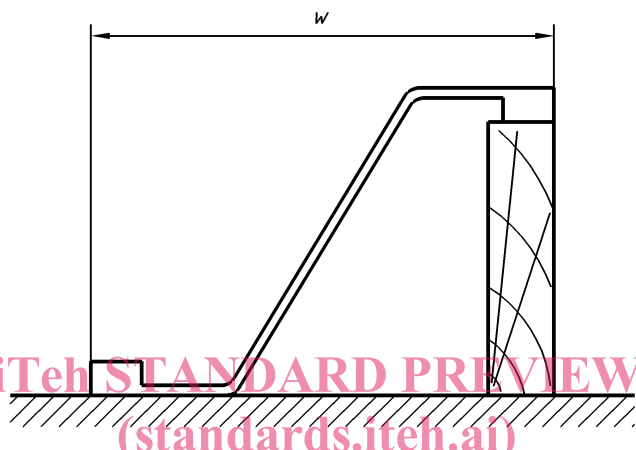
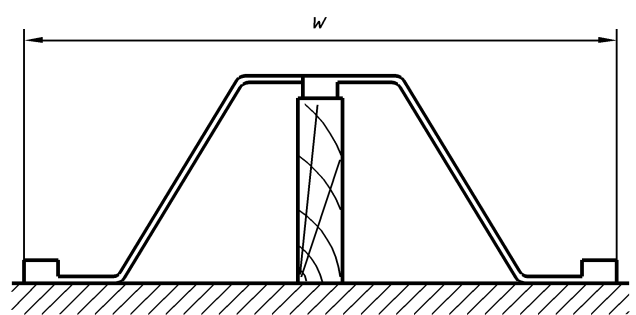
Designation	Figure	Nominal dimension	Tolerance
Single pile Width w		all	$\pm 2 \% w$
Double pile Width w	 <p data-bbox="300 1554 999 1615">NOTE : To prevent any interlock swing, an additional support might be required beneath common interlock</p>	all	$\pm 3 \% w$

For sections interlocked in triple piles, the tolerance from the total nominal width w shall be $\pm 3 \% w$.

5.2 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
Single Pile Width w	 <p data-bbox="462 985 1117 1097">iTeh STANDARD PREVIEW (standards.iteh.ai)</p> <p data-bbox="654 1131 941 1164">oSIST prEN 10248-2:2006</p>	all	$\pm 2 \% w$
Double Pile Width w	 <p data-bbox="430 1176 1149 1232">https://standards.iteh.ai/catalog/standards/sist/792c4575-92c7-42e8-a9cc-60dc1e96ed4c/osist-pren-10248-2-2006</p>	all	$\pm 3 \% w$

For sections interlocked in triple piles, the tolerance from the total nominal width w shall be $\pm 3 \% w$.