

## **Cold formed sheet piling of non alloy steels – Part 2: Tolerances on shape and dimensions**

The European Standard EN 10 249-2:1995 has the status of a Swedish Standard. This document contains the official English version of EN 10 249-2:1995.

Swedish Standards corresponding to documents referred to in this Standard are listed in "Catalogue of Swedish Standards", annually issued by SIS. The Catalogue lists, with reference number and year of Swedish approval, International and European Standards approved as Swedish Standards as well as other Swedish Standards.

## **Kallformade spontplankor av olegerade stål – Del 2: Toleranser för form och dimensioner**

Europastandarden EN 10 249-2:1995 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 10 249-2:1995.

Motsvarigheten och aktualiteten i svensk standard till de publikationer som omnämns i denna standard framgår av "Katalog över svensk standard", som årligen ges ut av SIS. I katalogen redovisas internationella och europeiska standarder som fastställts som svenska standarder och övriga gällande svenska standarder.



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English version

**Cold formed sheet piling of non alloy steels –  
Part 2: Tolerances on shape and dimensions**

Palplanches profilées à froid en aciers non alliés –  
Partie 2: Tolérances sur forme et dimensions

Kaltgeformte Spundbohlen aus unlegierten  
Stählen – Teil 2: Grenzabmaße und Formtoleranzen

This European Standard was approved by CEN on 1995-05-05. 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

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## 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 10249 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.

## 1 Scope

This part of this European Standard specifies the tolerances on dimensions, squareness of ends, straightness and mass of cold formed non alloy steel sheet piles which are defined in EN 10249-1.

## 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 10051** Continuously hot-rolled uncoated plate, sheet and strip of non-alloy and alloy steels - Tolerances on dimensions and shape.

**EN 10249-1** Cold formed sheet piling of non alloy steels. Part 1 : Technical delivery conditions.

## 3 Control of tolerances - General


**3.1** All the measurements are taken outside of the zone deformed by cutting at a distance from the ends of at least 250 mm.

**3.2** The dimensions are measured by instruments of appropriate accuracy.

## 4 Height of profiles

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

Table 1 : Tolerances on the height of sheet piles <sup>1)</sup>

Dimensions in millimetres			
Designation	Figure	Nominal dimension	Tolerance
Height h		$h \leq 200$ $200 < h \leq 300$ $300 < h \leq 400$ $400 < h$	$\pm 4$ $\pm 6$ $\pm 8$ $\pm 10$

## 5 Width of profiles

The tolerances on the width of profiles are as follows :

- individual sheet pile :  $\pm 2$  % of the nominal width
- pair of interlocked sheet piles :  $\pm 3$  % of the nominal width.

<sup>1)</sup> Applicable to the different shapes of cold formed sheet piles, the figure shows a trench sheet.