

**Hot finished structural hollow sections of  
non-alloy and fine grain steels - Part 2:  
Tolerances, dimensions and sectional  
properties**

Hot finished structural hollow sections of non-alloy  
and fine grain steels - Part 2: Tolerances,  
dimensions and sectional properties

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 10210-2:2006 sisaldab Euroopa standardi EN 10210-2:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 29.05.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 10210-2:2006 consists of the English text of the European standard EN 10210-2:2006.</p> <p>This document is endorsed on 29.05.2006 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b></p> <p>This part of EN 10210 specifies tolerances for hot finished circular, square, rectangular and elliptical structural hollow sections, manufactured in wall thicknesses up to 120 mm, in the following size ranges: Circular: Outside diameters up to 2 500 mm Square: Outside dimensions up to 800 mm x 800 mm Rectangular: Outside dimensions up to 750 mm x 500 mm Elliptical: Outside dimensions up to 500 mm x 250 mm</p>	<p><b>Scope:</b></p> <p>This part of EN 10210 specifies tolerances for hot finished circular, square, rectangular and elliptical structural hollow sections, manufactured in wall thicknesses up to 120 mm, in the following size ranges: Circular: Outside diameters up to 2 500 mm Square: Outside dimensions up to 800 mm x 800 mm Rectangular: Outside dimensions up to 750 mm x 500 mm Elliptical: Outside dimensions up to 500 mm x 250 mm</p>
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ICS 77.140.75

Võtmesõnad:

English Version

## Hot finished structural hollow sections of non-alloy and fine grain steels - Part 2: Tolerances, dimensions and sectional properties

Profils creux pour la construction finis à chaud en aciers  
non alliés et à grains fins - Partie 2 : Tolérances,  
dimensions et caractéristiques de profil

Warmgefertigte Hohlprofile für den Stahlbau aus  
unlegierten Baustählen und aus Feinkornbaustählen - Teil  
2: Grenzabmaße, Maße und statische Werte

This European Standard was approved by CEN on 16 March 2006.

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.

This European Standard exists 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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## Foreword

This European Standard (EN 10210-2:2006) has been prepared by Technical Committee ECISS/TC 10 "Structural steels - Grades and qualities", the secretariat of which is held by NEN.

This 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 October 2006, and conflicting national standards shall be withdrawn at the latest by October 2006.

This European Standard supersedes EN 10210-2:1997.

This standard consists of the following parts under the general title 'Hot finished structural hollow sections of non-alloy and fine grain steels':

- Part 1: Technical delivery conditions
- Part 2: Tolerances, dimensions and sectional properties

It forms part of a series of standards on hollow sections together with EN 10219-1 and 2, which are also under revision.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

## 1 Scope

This part of EN 10210 specifies tolerances for hot finished circular, square, rectangular and elliptical structural hollow sections, manufactured in wall thicknesses up to 120 mm, in the following size ranges:

Circular: Outside diameters up to 2 500 mm

Square: Outside dimensions up to 800 mm x 800 mm

Rectangular: Outside dimensions up to 750 mm x 500 mm

Elliptical: Outside dimensions up to 500 mm x 250 mm

The formulae for calculating sectional properties of sections manufactured to the dimensional tolerances of this standard, to be used for the purposes of structural design, are given in Annex A.

Dimensions and sectional properties for a limited range of sizes are given in Annex B.

Technical delivery conditions are specified in EN 10210-1.

NOTE The designation of the sections' major axis (yy) and its minor axis (zz) align with the axis designation used for structural design in the structural Eurocodes.

## 2 Normative references

The following referenced documents are indispensable for the application of this European Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 10210-1:2006, *Hot finished structural hollow sections of non-alloy and fine grain steels — Part 1: Technical delivery conditions*

## 3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 10210-1:2006 apply.

## 4 Symbols

For the purposes of this European Standard, the symbols defined in Table 1 apply.