

**Hot rolled spring steel flat bars - Part 2:
Ribbed and grooved spring leaves -
Dimensions and tolerances on shape
and dimensions**

Hot rolled spring steel flat bars - Part 2: Ribbed and
grooved spring leaves - Dimensions and tolerances
on shape and dimensions

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 10092-2:2003 sisaldab Euroopa standardi EN 10092-2:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 23.12.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 10092-2:2003 consists of the English text of the European standard EN 10092-2:2003.</p> <p>This document is endorsed on 23.12.2003 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>Käsitlusala:</p> <p>This Part of this European Standard specifies the nominal dimensions and the tolerances on dimensions and shape of hot rolled spring steel flat bars for ribbed and grooved spring leaves. This standard applies only for steel flats produced from steel grades specified in EN 10089.</p>	<p>Scope:</p> <p>This Part of this European Standard specifies the nominal dimensions and the tolerances on dimensions and shape of hot rolled spring steel flat bars for ribbed and grooved spring leaves. This standard applies only for steel flats produced from steel grades specified in EN 10089.</p>
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ICS 77.140.25, 77.140.60

Võtmesõnad: acceptance testing, flat ro, form tolerances, hot rolled, limit deviations, measurement, metal bars, properties, ribbed, specification (approval), specifications, spring steels, steel grades, steels, strips, structural steels, tolerances, tolerances (measurement)

ICS 77.140.25; 77.140.60

English version

**Hot rolled spring steel flat bars - Part 2: Ribbed and grooved
spring leaves - Dimensions and tolerances on shape and
dimensions**

Plats laminés à chaud en aciers à ressort - Partie 2: Plats
pour lames de ressorts rainées et nervurées - Dimensions
et tolérances sur la forme et les dimensions

Warmgewalzte Flachstäbe aus Federstahl - Teil 2:
Gerippter Federstahl - Maße, Formtoleranzen und
Grenzabmaße

This European Standard was approved by CEN on 4 September 2003.

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 Management Centre 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 Management Centre has the same status as the official versions.

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



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (EN 10092-2:2003) has been prepared by Technical Committee ECISS/TC 11 "*Structural steel sections and hot rolled steel bars for engineering use — Dimensions and tolerances*", the secretariat of which is held by BSI.

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 April 2004, and conflicting national standards shall be withdrawn at the latest by April 2004.

This European Standard replaces:

EURONORM 92-75 *Hot rolled flats for spring leaves.*

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

1 Scope

This Part of this European Standard specifies the nominal dimensions and the tolerances on dimensions and shape of hot rolled spring steel flat bars for ribbed and grooved spring leaves.

This standard is applicable only to steel flats produced from steel grades specified in EN 10089.

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).

EN 10079:1992, *Definition of steel products*

EN 10089, *Hot-rolled steels for quenched and tempered springs - Technical delivery conditions*

3 Terms and definitions

For the purposes of this European Standard the terms and definitions given in EN 10079:1992 apply.

4 Designation

The designation of hot-rolled spring steel flat bars for spring leaves shall comprise:

- the term " Spring steel flat bar";
- the number of this European Standard (EN 10092-2);
- dimensions in mm (width x thickness x length (M, F or E, see table 3));
- the number of the quality standard (EN 10089) and the steel name or steel number of the ordered steel;

EXAMPLE

Spring steel flat bar EN 10092-2 - 60x10x3000F
steel EN 10089 - 51CrV4

5 Dimensions

Hot rolled flats for ribbed and grooved spring leaves complying with this European Standard shall be produced with the specified dimensions given in table 1 and illustrated in figure 1.