SLOVENSKI STANDARD
SIST EN ISO 2162-2:1998

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Tehnična dokumentacija izdelkov - Vzmeti - 2. del: Prikazovanje podatkov vijačnih valjastih tlačno obremenjenih vzmeti

Technical product documentation - Springs - Part 2: Presentation of data for cylindrical helical compression springs (ISO 2162-2:1993)

Technische Produktdokumentation - Federn - Teil 2: Angaben für zylindrische Schraubendruckfedern (ISO 2162-2:1993)

Documentation technique de produits - Ressorts - Partie 2: Présentation des données techniques des ressorts cylindriques de compression (ISO 2162-2:1993)

Ta slovenski standard je istoveten z: **EN ISO 2162-2:1996**

ICS:

01.110	Tehnična dokumentacija za izdelke	Technical product documentation
21.160	Vzmeti	Springs

SIST EN ISO 2162-2:1998 **en**

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English version

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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.

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CEN

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

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

Foreword

The text of the International Standard from Technical Committee ISO/TC 10 "Technical drawings, product defintion and related documentation" of the International Organization for Standardization (ISO) has been taken over as an European Standard by the Technical Board of CEN.

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of an identical text or by endorsement, at the latest by January 1997, and conflicting national standards shall be withdrawn at the latest by January 1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of 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 and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 2162-2:1993 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

Annex ZA (normative)
Normative references to international publications with their relevant European publications

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.

Publication	Year	Title	EN	Year
ISO 2162-1	1993	Technical product documentation - Springs - Part 1: Simplified representation	EN ISO 2162-1	1996
ISO 2162-3	1993	Technical product documentation - Springs - Part 3: Vocabulary	EN ISO 2162-3	1996

INTERNATIONAL STANDARD

ISO 2162-2

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Technical product documentation — Springs —

Part 2: Presentation of data for cylindrical helical compression springs

Documentation technique de produits — Ressorts —

Partie 2: Présentation des données techniques des ressorts cylindriques de compression

Reference number
ISO 2162-2:1993(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 2162-2 was prepared by Technical Committee ISO/TC 10, *Technical drawings, product definition and related documentation*, Sub-Committee SC 6, *Mechanical engineering documentation.*

ISO 2162 consists of the following parts under the general title *Technical product documentation — Springs*:

— *Part 1: Simplified representation*

— *Part 2: Presentation of data for cylindrical helical compression springs*

— *Part 3: Vocabulary*

Annexes A and B of this part of ISO 2162 are for information only.

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Technical product documentation — Springs —

Part 2:
Presentation of data for cylindrical helical compression springs

1 Scope

This part of ISO 2162 establishes a uniform system for the presentation of technical data and for the representation of cylindrical helical compression springs to be used in technical product documentation intended for e.g. tender and/or order drawings.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 2162. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this part of ISO 2162 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 2162-1:1993, *Technical product documentation — Springs — Part 1: Simplified representation.*

ISO 2162-3:1993, *Technical product documentation — Springs — Part 3: Vocabulary.*

3 Definitions

For the purposes of this part of ISO 2162, the definitions given in ISO 2162-3 apply.

4 Letter symbols

See table 1.

5 Presentation of data

5.1 General

The data presented shall comprise

a) graphical representation, information on action and on the type of finish to ends; and

b) design and manufacturing data.

5.2 Representation, data on the spring action and indication of the type of spring ends

Graphical representation of the spring shall be in accordance with ISO 2162-1.

Data on the spring action shall be indicated preferably by means of a load deflection chart (or graph) showing the predominant requirements necessary for the functioning of the spring together with any additional requirements.

The type of spring ends shall be indicated in accordance with table 2.

5.3 Technical data list

The technical data list presented shall include all information necessary for the manufacture of the springs. Possibilities for the adaptation of a certain spring to given requirements during manufacture shall be specified.