

SLOVENSKI STANDARD
SIST EN 10222-4:2000/A1:2002
01-september-2002

>Y_`Yb]n_cj_]nUhU bYdcgcXY!("XY.JUr]j UXfcVbcnf bUhU`Y_Unj Y]c
Xc[cj cfbc `bUdYlcghtc `hY Yb1U

Steel forgings for pressure purposes - Part 4: Weldable fine grain steels with high proof strength

Schmiedestücke aus Stahl für Druckbehälter - Teil 4: Schweißgeeignete Feinkornbaustähle mit hoher Dehngrenze

iTeh STANDARD PREVIEW

Pieces forgées en acier pour appareils à pression - Partie 4: Aciers soudables a grains fins avec limite d'élasticité élevée

[SIST EN 10222-4:2000/A1:2002](#)

Ta slovenski standard je istoveten z: [EN 10222-4:1998/A1:2001](https://standards.iteh.ai/catalog/standards/sist/462d51a9-8099-4cc4-a0ab-83f0da1bed/sist-en-10222-4:1998/a1:2001)

ICS:

77.140.30

77.140.85

SIST EN 10222-4:2000/A1:2002 en

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN 10222-4:2000/A1:2002

<https://standards.iteh.ai/catalog/standards/sist/462d51a9-8099-4cc4-a0ab-3a310bfd1b0d/sist-en-10222-4-2000-a1-2002>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 10222-4:1998/A1

July 2001

ICS 77.140.30; 77.140.85

English version

Steel forgings for pressure purposes - Part 4: Weldable fine
grain steels with high proof strength

Pièces forgées en acier pour appareils à pression - Partie
4: Aciers soudables à grains fins avec limite d'élasticité
élevée

Schmiedestücke aus Stahl für Druckbehälter - Teil 4:
Schweißgeeignete Feinkornbaustähle mit hoher
Dehngrenze

This amendment A1 modifies the European Standard EN 10222-4:1998; it was approved by CEN on 20 April 2001.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant 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 amendment 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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

THE STANDARD REVIEW
(Standards Review)

[SIST EN 10222-4:2000/A1:2002](#)

<https://standards.iteh.ai/catalog/standards/sist/462d51a9-8099-4cc4-a0ab-3a310bfd1b0d/sist-en-10222-4-2000-a1-2002>



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Foreword

This Amendment EN 10222-4:1998/A1:2001 to the EN 10222-4:1998 has been prepared by Technical Committee ECISS/TC 28 "Steel forgings", 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 January 2002, and conflicting national standards shall be withdrawn at the latest by January 2002.

This Amendment to the European Standard EN 10222-4:1998 has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN 10222-4:2000/A1:2002

<https://standards.iteh.ai/catalog/standards/sist/462d51a9-8099-4cc4-a0ab-3a310bfd1b0d/sist-en-10222-4-2000-a1-2002>

Table 1 - Chemical composition, mechanical properties and heat treatment

¹⁾ Elements not listed in this table shall not be intentionally added to the steel without the approval of the purchaser except for finishing the cast. All appropriate measures shall be taken to prevent the addition from scrap or other materials used in steelmaking of these elements which may adversely affect the mechanical properties and usability.

²⁾ Minimum Al level need not apply when Nb, V and Ti is used to control N content.

³⁾ The thickness ranges given in this column apply for the as heat treated thickness of forgings with the ruling section. This is characterized by rectangular shape, a width to thickness ratio ≥ 2 and a length to thickness ratio of ≥ 4 . For forgings with other sections the equivalent thickness shall be determined according to annex B of EN 10222-1 or be agreed at the time of enquiry and order.

⁴⁾ Until the yield point criteria are harmonized in the various National Codes, determinations of R_{eh} may be replaced by determination of $R_{\text{p}0.2}$. In this case the $R_{\text{p}0.2}$ values are 10 N/mm² lower for R_{eh} values up to 355 N/mm² and 15 N/mm² lower for R_{eh} values greater than 355 N/mm².

⁵⁾ l – longitudinal t – tangential tr - transverse

⁶⁾ N - normalized QT - quenched and tempered

7) a - air o - oil w - water