

Kuumuskindlad terased ja niklisulamid

Heat resisting steels and nickel alloys

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 10095:1999 sisaldab Euroopa standardi EN 10095:1999 + AC:2001 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 23.11.1999 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 10095:1999 consists of the English text of the European standard EN 10095:1999 + AC:2001.</p> <p>This document is endorsed on 23.11.1999 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 European Standard covers the grades of wrought steels and alloys which are usually employed for products, for which the main requirement is their resistance to the effects of hot gases and products of combustion at temperatures above 550°C.</p>	<p>Scope:</p> <p>This European Standard covers the grades of wrought steels and alloys which are usually employed for products, for which the main requirement is their resistance to the effects of hot gases and products of combustion at temperatures above 550°C.</p>
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ICS 77.120.40, 77.140.20

Võtmesõnad:

ICS 77.120.40; 77.140.20

English version

Heat resisting steels and nickel alloys

Aciers et alliages de nickel réfractaires Hitzebeständige Stähle und Nickel-
legierungen

This European Standard was approved by CEN on 1999-03-01.

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CEN

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

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Contents

	page
Foreword	3
1 Scope	4
2 Normative references	4
3 Definitions	6
4 Classification and designation	6
4.1 Classification	6
4.2 Designation	6
5 Information to be supplied by the purchaser	6
5.1 Mandatory information	6
5.2 Options	7
6 Manufacturing process	8
6.1 General	8
6.2 Delivery condition	8
7 Requirements	8
7.1 General	8
7.2 Chemical composition	8
7.3 Mechanical properties	8
7.4 Surface quality	8
7.5 Dimensions and tolerances on dimensions	9
7.6 Calculation of mass and tolerances on mass	9
8 Inspection and testing	9
8.1 General	9
8.2 Types and contents of inspection documents	10
8.3 Specific inspection and testing	10
8.4 Test methods	11
8.5 Retest	11
9 Marking	11
Annex A (informative): Applicable dimensional standards	24

Annex B (informative):	Technical information on heat resisting steels and nickel alloys	25
Annex C (informative):	Bibliography	32
Annex D (informative):	Grades from EN 10088-1 and prEN 10028-7 used as heat resisting steels	33

Foreword

This European Standard has been prepared by Technical Committee ECISS/TC 23 "Steels for heat treatment, alloy steels and free-cutting steels - Qualities and dimensions", the secretariat of which is held by DIN.

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 September 1999, and conflicting national standards shall be withdrawn at the latest by September 1999.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association. This European Standard is considered to be a supporting standard to those application and product standards which in themselves support an essential safety requirement of a New Approach Directive and which make reference to this European Standard.

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.

NOTE: The clauses marked with a point (•) contain information relating to agreements which are to be made at the time of ordering. The clauses marked with two points (••) contain information relating to agreements which may be made at the time of ordering.

1 Scope

1.1 This European standard covers the grades of wrought steels and nickel alloys listed in tables 1 to 3 which are usually employed for products, for which the main requirement is their resistance to the effects of hot gases and products of combustion at temperatures above 550 °C.

1.2 This EN 10095 specifies the technical delivery conditions for semi-finished products, for hot or cold rolled sheet/plate and strip, hot or cold formed bars, rods and sections of heat resisting steels and nickel alloys.

1.3 Some grades from EN 10088-1 and prEN 10028-7 may be used as heat resisting steels. These grades are listed in the informative annex D.

1.4 The general technical delivery conditions specified in EN 10021 apply in addition to the specifications of this European Standard, unless otherwise specified in this Standard.

1.5 This European Standard does not apply to components manufactured by further processing the product forms listed in 1.2 with quality characteristics altered as a result of such further processing.

1.6 This European Standard is not intended for pressure purposes.

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 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 10002-1	Metallic materials - Tensile testing - Part 1: Method of testing (at ambient temperature)
EN 10002-5	Metallic materials - Tensile testing - Part 5: Method of test at elevated temperature
EN 10003-1	Metallic materials - Hardness test - Brinell - Part 1: Test method
EN 10021	General technical delivery requirements for steel and iron products
EN 10027-1	Designation systems for steels - Part 1: Steel names, principal symbols

EN 10027-2	Designation systems for steels - Part 2: Numerical system
EN 10052	Vocabulary of heat treatment terms for ferrous products
EN 10079	Definition of steel products
EN 10163-2	Delivery requirements for surface condition of hot rolled steel plates, wide flats and sections - Part 2: Plate and wide flats
EN 10204	Metallic products - Types of inspection documents
EN 10221	Surface quality classes for hot-rolled bars and rods - Technical delivery conditions
EN ISO 377	Steel and steel products - Location and preparation of samples and test pieces for mechanical testing.
EN ISO 9001	Quality systems - Model for quality assurance in design/development, production, installation and servicing
EN ISO 9002	Quality systems - Model for quality assurance in production, installation and servicing
EU 168-86 ¹⁾	Iron and steel products - Inspection documents - Contents
ISO 14284	Steel and iron - Sampling and preparation of samples for the determination of chemical composition

1) •• It may be agreed at the time of ordering, until this EURONORM has been adopted as a European Standard, that either this Euronorm or a corresponding national standard should be applied.