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**Livarstvo – Avstenitna siva litina**

Founding - Austenitic cast irons

Gießereiwesen - Austenitische Gusseisen

Fonderie - Fonte austénitique

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**Ta slovenski standard je istoveten z: EN 13835:2002/A1:2006**

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[SIST EN 13835:2003/A1:2006](https://standards.iteh.ai/catalog/standards/sist/0d853d96-c112-48a2-975c-3c8cd08d064d/sist-en-13835-2003-a1-2006)

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English Version

## Founding - Austenitic cast irons

Fonderie - Fonte austénitique

Gießereiwesen - Austenitische Gusseisen

This amendment A1 modifies the European Standard EN 13835:2002; it was approved by CEN on 27 April 2006.

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 Central Secretariat 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 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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Contents	Page
Foreword.....	3
1 <b>Modification to the Introduction</b> .....	4
2 <b>Modification to Clause 2 Normative references</b> .....	4
3 <b>Modification to Table 3</b> .....	4
4 <b>Modification to Table 4</b> .....	4
5 <b>Add Clause 11 Inspection documentation</b> .....	4
6 <b>Modification to Table C.1</b> .....	5
7 <b>Add Annex ZA</b> .....	5
<b>Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 97/23/EC</b> .....	6

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## Foreword

This document (EN 13835:2002/A1:2006) has been prepared by Technical Committee CEN/TC 190 “Foundry technology”, the secretariat of which is held by DIN.

This Amendment to the European Standard EN 13835:2002 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2006, and conflicting national standards shall be withdrawn at the latest by December 2006.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of a EU Directive.

For relationship with the EU Directive, see informative Annex ZA, which is an integral part of this document.

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.

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## 1 Modification to the Introduction

*Add as last sentence:*

Austenitic spheroidal graphite cast iron can be used for pressure equipment, e.g. for compressor housings.

The suitable material grades for pressure applications and the conditions for their use are given in specific product or application standards.

For the design of pressure equipment, specific design rules apply.

## 2 Modification to Clause 2 Normative references

*Amend the standard paragraph to read as follows:*

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

*Add a new item:*

EN 10204:2004, *Metallic products — Types of inspection documents*

## 3 Modification to Table 3

*Amend the table heading as follows:*

Table 3 — Mechanical properties of austenitic cast irons at  $(23 \pm 5)^\circ\text{C}$  — Engineering grades

<https://standards.iteh.ai/catalog/standards/sist/0d853d96-c112-48a2-975c-3c8cd08d064d/sist-en-13835-2003-a1-2006>

## 4 Modification to Table 4

*Amend the table heading as follows:*

Table 4 — Mechanical properties of austenitic cast irons at  $(23 \pm 5)^\circ\text{C}$  — Special purpose grades

*Amend the symbol for material EN-JS3091 in column as follows:*

EN-GJSA-XNiSiCr30-5-5

## 5 Add Clause 11 Inspection documentation

### 11 Inspection documentation

When ordering material for pressure equipment applications, the equipment manufacturer has the obligation to request appropriate inspection documentation according to EN 10204:2004, Annex ZA, affirming conformity to the specification for the material contained in this standard.

For other applications, when requested by the purchaser and agreed with the manufacturer, the manufacturer shall issue for the products the appropriate inspection document in accordance with EN 10204.

## 6 Modification to Table C.1

*Amend the table heading as follows:*

Table C.1 — Examples of values for mechanical properties grades at  $(23 \pm 5) ^\circ\text{C}$

## 7 Add Annex ZA

(see text)

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## Annex ZA (informative)

### Relationship between this European Standard and the Essential Requirements of EU Directive 97/23/EC

This European Standard has been prepared under a Mandate given to CEN by the European Commission and the European Free Trade Association to provide a means of conforming to Essential Requirements of the New Approach Directive 97/23/EC.

Once this standard is cited in the Official Journal of the European Communities under that Directive and has been implemented as a national standard in at least one Member State, compliance with the clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

For this harmonized supporting standard for materials, presumption of conformity to the Essential Requirements of the Directive is limited to technical data of the material in the standard and does not presume adequacy of the material to specific equipment. Consequently the technical data stated in the material standard should be assessed against the design requirements of the specific equipment to verify that the Essential Requirements of the Pressure Equipment Directive (PED) are satisfied.

**Table ZA.1 — Correspondence between this European Standard and Directive 97/23/EC**

Clause(s)/ subclause(s) of this EN	Subject	Qualifying remarks/Notes
Tables 3 and 4	Material properties  <a href="https://standards.iteh.ai/catalog/standards/sist/0d853d96-c112-48a2-975c-3c8cd08d064d/sist-en-13835-2003-a1-2006">SIST EN 13835:2003/A1:2006</a> <a href="https://standards.iteh.ai/catalog/standards/sist/0d853d96-c112-48a2-975c-3c8cd08d064d/sist-en-13835-2003-a1-2006">https://standards.iteh.ai/catalog/standards/sist/0d853d96-c112-48a2-975c-3c8cd08d064d/sist-en-13835-2003-a1-2006</a>	Annex I, 4.1 a) of the Directive
11	Conformity of material and manufacturer's certified documentation	Annex I, 4.3 of the Directive

**WARNING** — Other requirements and other EU Directives may be applicable to the product(s) falling within the scope of this standard.