Steel and steel products - Location and preparation of samples and test pieces for mechanical testing (ISO 377:2013, Corrected version 2015-06-01)



EESTI STANDARDI EESSÕNA

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Steel and steel products - Location and preparation of samples and test pieces for mechanical testing (ISO 377:2013, Corrected version 2015-06-01)

Acier et produits en acier - Position et préparation des échantillons et éprouvettes pour essais mécaniques (ISO 377:2013, Version corrigée 2015-06-01)

Stahl und Stahlerzeugnisse - Lage und Vorbereitung von Probenabschnitten und Proben für mechanische Prüfungen (ISO 377:2013, korrigierte Fassung 2015-06-01)

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Foreword

This document (EN ISO 377:2013) has been prepared by Technical Committee ISO/TC 17 "Steel" in collaboration with Technical Committee ECISS/TC 100 "General issues" 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of an identical text or by endorsement, at the latest by January 2014, and conflicting national standards shall be withdrawn at the latest by January 2014.

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Endorsement notice

The text of ISO 377:2013, Corrected version 2015-06-01 has been approved by CEN as EN ISO 377:2013 without any modification.

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Foreword

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The committee responsible for this document is ISO/TC 17, *Steel*, Subcommittee SC 20, *General technical delivery conditions, sampling and mechanical testing methods*.

This third edition cancels and replaces the second edition (ISO 377:1997), which has been technically revised and includes ISO 377:1997/Cor.1:1997.

Steel and steel products — Location and preparation of samples and test pieces for mechanical testing

1 Scope

This International Standard specifies requirements for the identification, location and preparation of samples and test pieces intended for mechanical tests on steel sections, bars, rod, flat products and tubular products as defined in ISO 6929. If agreed in the order, this International Standard can also apply to other metallic products. These samples and test pieces are for use in tests that are carried out in conformity with the methods specified in the product or material standard or, in the absence of this, in the standard for the test method.

Where the requirements of the order or product standard differ from those given in this International Standard, then the requirements of the order or product standard apply.

2 Normative references

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

ISO 3785, Metallic materials — Designation of test specimen axes in relation to product texture

ISO 6929, Steel products — Vocabulary

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 6929 and the following apply.

3.1

test unit

 $number\ of\ pieces\ or\ the\ tonnage\ of\ products\ to\ accept\ or\ reject\ together,\ on\ the\ basis\ of\ the\ verification\ tests\ carried\ out\ on\ sample\ products\ in\ accordance\ with\ the\ requirements\ of\ the\ product\ standard\ or\ order$

Note 1 to entry: See Figure 1.

3.2

sample product

item (e.g. bar, sheet, coil) selected for inspection or testing

Note 1 to entry: See Figure 1.

3.3

sample

sufficient quantity of material taken from the sample product for the purpose of producing one or more test pieces

Note 1 to entry: See Figure 1.

Note 2 to entry: In certain cases, the sample can be the sample product.