SLOVENSKI STANDARD
SIST EN ISO 10275:2014

01-september-2014

Kovinski materiali - Pločevina in trakovi - Ugotavljanje koeficienta utrjanja (ISO 10275:2007)

Metallic materials - Sheet and strip - Determination of tensile strain hardening exponent (ISO 10275:2007)

Metallische Werkstoffe - Blech und Band - Bestimmung des Verfestigungsexponenten im Zugversuch (ISO 10275:2007)

Matériaux métalliques - Tôles et bandes - Détermination du coefficient d'écrouissage en traction (ISO 10275:2007)

Ta slovenski standard je istoveten z: **EN ISO 10275:2014**

ICS:

77.040.10	Mehansko preskušanje kovin	Mechanical testing of metals
77.140.50	Ploščati jekleni izdelki in polizdelki	Flat steel products and semi-products

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EUROPEAN STANDARD

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EUROPÄISCHE NORM

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English Version

Metallic materials - Sheet and strip - Determination of tensile strain hardening exponent (ISO 10275:2007)

Matériaux métalliques - Tôles et bandes - Détermination du coefficient d'écrouissage en traction (ISO 10275:2007)

Metallische Werkstoffe - Blech und Band - Bestimmung des Verfestigungsexponenten im Zugversuch (ISO 10275:2007)

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Foreword

The text of ISO 10275:2007 has been prepared by Technical Committee ISO/TC 164 “Mechanical testing of metals” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 10275:2014 by Technical Committee ECISS/TC 101 “Test methods for steel (other than chemical analysis)” the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by December 2014, and conflicting national standards shall be withdrawn at the latest by December 2014.

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Endorsement notice

The text of ISO 10275:2007 has been approved by CEN as EN ISO 10275:2014 without any modification.

INTERNATIONAL STANDARD

ISO 10275

Second edition
2007-06-01

Metallic materials — Sheet and strip — Determination of tensile strain hardening exponent

Matériaux métalliques — Tôles et bandes — Détermination du coefficient d'écrouissage en traction

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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.

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ISO 10275 was prepared by Technical Committee ISO/TC 164, *Mechanical testing of metals*, Subcommittee SC 2, *Ductility testing*.

This second edition cancels and replaces the first edition (ISO 10275:1993), which has been technically revised.

Introduction

In the former version of this International Standard, for the calculation of the true strain, the elastic strain did not need to be subtracted from the total strain if it was lower than 10 % of the total strain.

In this new International Standard, the elastic strain is subtracted from the total strain for calculation of the true strain, which is now referred to as “true plastic strain”.