

DIN EN ISO 14556**DIN**

ICS 77.040.10

Supersedes
DIN EN ISO 14556:2000-09

**Steel –
Charpy V-notch pendulum impact test –
Instrumented test method (ISO 14556:2000 + Amd.1:2006)
(includes Amendment A1:2006)
English version of DIN EN ISO 14556:2006-10**

Stahl –
Kerbschlagbiegeversuch nach Charpy (V-Kerb) –
Instrumentiertes Prüfverfahren (ISO 14556:2000 + Amd.1:2006)
(enthält Änderung A1:2006)
Englische Fassung DIN EN ISO 14556:2006-10

Document comprises 26 pages

National foreword

This standard is based on *Stahl-Eisen-Prüfblatt* (Iron and steel testing specification) SEP 1315 *Kerbschlagbiegeversuch mit Ermittlung von Kraft und Weg* (Notch bend impact test — Determination of force and displacement), May 1987 edition, and *DVM-Merkblatt* (DVM Code of practice) 001 *Messtechnische Anforderungen beim instrumentierten Kerbschlagbiegeversuch* (Instrumentation requirements for instrumented notch bend tests), September 1986 edition. It has been prepared by Technical Committee ISO/TC 164 “Mechanical testing of metals” in collaboration with Technical Committee ECISS/TC 1 “Steel — Mechanical testing”.

The responsible German body involved in its preparation was the *Normenausschuss Materialprüfung* (Materials Testing Standards Committee), Technical Committee NA 062-01-44 AA *Prüfverfahren mit schlagartiger Beanspruchung für Metalle*.

It should be noted that, according to investigations made, the precision of the method as set out in this standard will only be reached if a pendulum with a 2 mm striker as in ISO 148-2 is used. However, there is every reason to believe that the reproducibility of results will be impaired in cases where an 8 mm striker as in ISO 148-1 is used. This is particularly true for the indicated impact energy as compared with that calculated from the force-displacement diagram.

The DIN Standards corresponding to the International Standards referred to in clause 2 of the EN are as follows:

ISO 148-1 DIN EN 10045-1
ISO 148-2 DIN EN 10045-2

Amendments

This standard differs from DIN EN ISO 14556:2000-09 as follows:

- a) A new informative Annex D has been included.

Previous editions

DIN EN ISO 14556: 2000-09

National Annex NA (informative)

Bibliography

DIN EN ISO 10045-1, *Metallic materials — Charpy impact test — Part 1: Method of test*

DIN EN ISO 10045-2, *Metallic materials — Charpy impact test — Part 2: Verification of pendulum impact testing machines*

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English version

**Steel — Charpy V-notch pendulum impact test — Instrumented
test method (ISO 14556:2000 + Amd. 1:2006)
(includes Amendment A1:2006)**

Aciers — Essai de flexion par choc sur éprouvette Charpy à
entaille en V — Méthode d'essai instrumenté
(ISO 14556:2000 + Amd. 1:2006)
(amendement A1:2006 inclus)

Stahl — Kerbschlagbiegeversuch nach Charpy (V-Kerb) —
Instrumentiertes Prüfverfahren
(ISO 14556:2000 + Amd. 1:2006)
(enthält Änderung A1:2006)

EN ISO 14556:2000 was approved by CEN on 2000-04-30 and Amendment A1 on 2006-06-30.

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