

Charpy impact test on metallic materials —

Part 1: Test method (V-and U-notches)

This European Standard EN 10 045-1 has the status of a
British Standard

UDC 669:620.178.746.22

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

Cooperating organizations

The European Committee for Standardization, under whose supervision this European Standard was prepared, comprises the national standards organizations of the following Western European countries.

Austria	Oesterreichisches Normungsinstitut
Belgium	Institut belge de normalisation
Denmark	Dansk Standardiseringsraad
Finland	Suomen Standardisoimisliito, r.y.
France	Association française de normalisation
Germany	Deutsches Institut für Normung e.V.
Greece	Hellenic Organization for Standardization
Iceland	Technological Institute of Iceland
Ireland	National Standards Authority of Ireland
Italy	Ente Nazionale Italiano di Unificazione
Luxemburg	Inspection du Travail et des Mines
Netherlands	Nederlands Normalisatie-instituut
Norway	Norges Standardiseringsforbund
Portugal	Instituto Português da Qualidade
Spain	Asociación Española de Normalización y Certificación
Sweden	Standardiseringskommissionen i Sverige
Switzerland	Association suisse de normalisation
United Kingdom	British Standards Institution

This British Standard, having been prepared under the direction of the Iron and Steel and the Non-ferrous Metals Standards Policy Committees, was published under the authority of the Board of BSI and comes into effect on 31 October 1990

© BSI 12-1998

First published, as BS 131-2 and 131-3, August 1920
Second edition, as BS 131-2 and 131-3, August 1933
Third edition, BS 131-2, November 1959
BS 131-3, June 1962
Fourth edition, as BS 131-2 and 131-3, March 1972
Fifth edition, as BS EN 10 045-1, October 1990

The following BSI references relate to the work on this standard:
Committee reference ISM/NFM/4
Draft for comment 87/37631 DC

ISBN 0 580 18809 4

Amendments issued since publication

Amd. No.	Date of issue	Comments

Contents

	Page
Cooperating organizations	Inside front cover
National foreword	ii
Brief history	2
Foreword	2
Text of EN 10 045-1:1990	3
National appendix A	Inside back cover
National appendix B	Inside back cover

National foreword

This Part of BS EN 10 045 has been prepared under the direction of the Iron and Steel and the Non-ferrous Metals Standards Policy Committees and is the English language version of EN 10 045-1 “Metallic materials — Charpy impact test — Part 1: Test method”, ratified by CEN/BT on 27 November 1989. It combines requirements for both V- and U- notches and supersedes BS 131-2:1972 and BS 131-3:1972 which are withdrawn.

A further Part of EN 10 045, in course of preparation, is listed in the foreword to EN 10 045-1 and annex A.

Cross-references. Where there are British Standards corresponding to European Standards and international standards quoted in this standard the relationship is given in national appendix B.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

UDC 669:620.178.746.22

Key words: Metal products, mechanical tests, Charpy impact tests, test specimens, testing conditions.

English version

Metallic materials — Charpy impact test — Part 1: Test method

Matériaux métalliques — Essai de flexion par
choc sur éprouvette Charpy —
Partie 1: Méthode d'essai

Metallische Werkstoffe —
Kerbschlagbiegeversuch nach Charpy —
Teil 1: Prüfverfahren

This European Standard was accepted by CEN on 27 November 1989. CEN members are bound to comply with the requirements of the CEN/CENELEC Common Rules which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Central Secretariat or to any CEN member.

This European Standard 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 CEN Central Secretariat has the same status as the official versions.

CEN members are the national standard organizations of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxemburg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

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

Central Secretariat: Rue Bréderode 2, B-1000 Brussels