

Welding consumables — Test methods —

Part 3: Classification testing of positional capacity and root penetration of welding consumables in a fillet weld

ICS 25.160.20

National foreword

This British Standard is the UK implementation of EN ISO 15792-3:2008. It is identical with ISO 15792-3:2000, incorporating corrigendum November 2006. It supersedes BS EN 1597-3:1997 which is withdrawn.

The start and finish of text introduced or altered by corrigendum is indicated in the text by tags. Text altered by ISO corrigendum November 2006 is indicated in the text by AC1 AC1.

The UK participation in its preparation was entrusted to Technical Committee WEE/39, Welding consumables.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 July 2008

© BSI 2008

ISBN 978 0 580 59117 4

Amendments/corrigenda issued since publication

Date	Comments
31 July 2008	Implementation of ISO corrigendum November 2006

English Version

Welding consumables - Test methods - Part 3: Classification testing of positional capacity and root penetration of welding consumables in a fillet weld (ISO 15792-3:2000 including Cor 1:2006)

Produits consommables pour le soudage - Méthodes d'essai - Partie 3: Évaluation de l'aptitude au soudage en position et de la pénétration en racine des produits consommables pour les soudures d'angle (ISO 15792-3:2000, Cor 1:2006 inclus)

Schweißzusätze - Prüfverfahren - Teil 3: Prüfung zur Einteilung der Schweißzusätze nach ihrer Eignung für Schweißpositionen und Wurzeleinbrand an Kehlnähten (ISO 15792-3:2000, enthält Cor. 1:2006)

This European Standard was approved by CEN on 5 April 2008.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations 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 Management Centre 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 the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, 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.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Foreword

The text of ISO 15792-3:2000/Cor 1:2006 has been prepared by Technical Committee ISO/TC 44 “Welding and allied processes” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 15792-3:2008 by Technical Committee CEN/TC 121 “Welding” the secretariat of which is held by DIN.

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 November 2008, and conflicting national standards shall be withdrawn at the latest by November 2008.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 1597-3:1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, 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 the United Kingdom.

Requests for official interpretations of any aspect of this part of ISO 15792 should be directed to the Secretariat of ISO/TC 44/SC 3 via your national standards body. A complete listing of these bodies can be found at www.iso.org.

Endorsement notice

The text of ISO 15792-3:2000/Cor 1:2006 has been approved by CEN as a EN ISO 15792-3:2008 without any modification.

Contents

Introduction	v
1 Scope	1
2 Normative references	1
3 General requirements	1
4 Test plate material	1
5 Preparation of the test piece	2
6 Examination of the test piece	3
7 Test report	5
Figure 1 --- Preparation of fillet weld test piece	2
Figure 2 --- Dimensions of fillet welds	4
Figure 3 --- Alternative methods for facilitating fillet weld fracture	5