

SLOVENSKI STANDARD oSIST prEN ISO 15610:2023

01-december-2023

Popis in kvalifikacija varilnih postopkov za kovinske materiale - Kvalifikacija na podlagi preskušenih dodajnih in pomožnih materialov (ISO/FDIS 15610:2023)

Specification and qualification of welding procedures for metallic materials - Qualification based on tested welding consumables (ISO/FDIS 15610:2023)

Anforderung und Qualifizierung von Schweißverfahren für metallische Werkstoffe - Qualifizierung aufgrund des Einsatzes von geprüften Schweißzusätzen (ISO/FDIS 15610:2023)

Descriptif et qualification d'un mode opératoire de soudage pour les matériaux métalliques - Qualification basée sur des produits consommables soumis à essais (ISO/FDIS 15610:2023)

oSIST prEN ISO 15610:2023

https://Ta.slovenski.standard.je.istoveten.z::d03-prEN ISO 15610/2db0f24a7d/osist-pren-iso-15610-2023

ICS:

25.160.10 Varilni postopki in varjenje Welding processes

oSIST prEN ISO 15610:2023 en,fr,de

oSIST prEN ISO 15610:2023

iTeh Standards (https://standards.iteh.ai) Document Preview

oSIST prEN ISO 15610:2023

https://standards.iteh.ai/catalog/standards/sist/fefbad03-4cc1-4cce-9de4-232db0f24a7d/osist-pren-iso-15610-2023

FINAL DRAFT

INTERNATIONAL STANDARD

ISO/FDIS 15610

ISO/TC 44/SC 10

Secretariat: DIN

Voting begins on: **2023-10-12**

Voting terminates on:

2024-01-04

Specification and qualification of welding procedures for metallic materials — Qualification based on tested welding consumables

Descriptif et qualification d'un mode opératoire de soudage pour les matériaux métalliques — Qualification basée sur des produits consommables soumis à essais

iTeh Standards (https://standards.iteh.ai) Document Preview

oSIST prEN ISO 15610:2023

https://standards.iteh.ai/catalog/standards/sist/fefbad03-4cc1-4cce-9de4-232db0f24a7d/osist-pren-iso-15610-2023

ISO/CEN PARALLEL PROCESSING

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.



Reference number ISO/FDIS 15610:2023(E)

ISO/FDIS 15610:2023(E)

iTeh Standards (https://standards.iteh.ai) Document Preview

https://standards.iteh.ai/catalog/standards/sist/fefbad03-4cc1-4cce-9de4-232db0f24a7d/osist-pren-iso-15610-2023



COPYRIGHT PROTECTED DOCUMENT

© ISO 2023

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office CP 401 • Ch. de Blandonnet 8 CH-1214 Vernier, Geneva Phone: +41 22 749 01 11 Email: copyright@iso.org Website: www.iso.org

Published in Switzerland

ii

ISO/FDIS 15610:2023(E)

Foreword Introduction			Page
			iv
			v
1	Scop	oe	1
2		mative references	
3	Terms and definitions		
4	Limits of the application of this document		2
	4.1	Limits related to the welded joint	2
		4.1.1 Parent material	
		4.1.2 Parent material thickness, <i>t</i>	
		4.1.3 Fillet weld throat thickness, <i>a</i>	
	4.2	Limits common to all welding processes	3
		4.2.1 Multiple-process welding procedures	
		4.2.2 Welding positions	
		4.2.3 Welding consumables	
		4.2.4 Type of current	3
	4.3	Limits specific for the welding process	3
		4.3.1 Processes 131, 132, 133, 135, 136 and 138	3
		4.3.2 Processes 141 and 15	4
		4.3.3 Process 121	4
5	Preliminary welding procedure specification (pWPS)		
6	Qual	lification of the pWPS	4
7	Weld	ding procedure qualification record (WPQR)	4
Anne	x A (in	nformative) Example of a WPQR form	5
Bibli	ograpl	hy	6

SIST prEN ISO 15610:2023

https://standards.iteh.ai/catalog/standards/sist/fefbad03-4cc1-4cce-9de4-232db0f24a7d/osist-pren-iso-15610-2023

ISO/FDIS 15610:2023(E)

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 44, Welding and allied processes, Subcommittee SC 10, Quality management in the field of welding, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 121, Welding and allied processes, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 15610:2023), of which it constitutes a minor revision. The changes are as follows:

scope reworded regarding butt and fillet welds.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html. Official interpretations of ISO/TC 44 documents, where they exist, are available from this page: https://committee.iso.org/sites/tc44/home/interpretation.html.