

**Non-destructive testing of welds - Acceptance levels for
radiographic testing - Part 2: Aluminium and its alloys
(ISO 10675-2:2010)**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 10675-2:2013 sisaldab Euroopa standardi EN ISO 10675-2:2013 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 10675-2:2013 consists of the English text of the European standard EN ISO 10675-2:2013.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 14.08.2013.	Date of Availability of the European standard is 14.08.2013.
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English Version

**Non-destructive testing of welds - Acceptance levels for
radiographic testing - Part 2: Aluminium and its alloys (ISO
10675-2:2010)**

Essais non destructifs des assemblages soudés - Niveaux
d'acceptation pour évaluation par radiographie - Partie 2:
Aluminium et ses alliages (ISO 10675-2:2010)

Zerstörungsfreie Prüfung von Schweißverbindungen -
Zulässigkeitsgrenzen für die Durchstrahlungsprüfung - Teil
2: Aluminium und seine Legierungen (ISO 10675-2:2010)

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Foreword

The text of ISO 10675-2:2010 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 10675-2:2013 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of an identical text or by endorsement, at the latest by February 2014, and conflicting national standards shall be withdrawn at the latest by February 2014.

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Endorsement notice

The text of ISO 10675-2:2010 has been approved by CEN as EN ISO 10675-2:2013 without any modification.

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Non-destructive testing of welds — Acceptance levels for radiographic testing —

Part 2: Aluminium and its alloys

1 Scope

This part of ISO 10675 specifies acceptance levels for indications from imperfections in aluminium butt welds detected by radiographic testing. If agreed, the acceptance levels may be applied to other types of welds or materials.

The acceptance levels may be related to welding standards, application standards, specifications or codes.

This part of ISO 10675 assumes that the radiographic testing has been carried out in accordance with ISO 17636.

When assessing whether a weld meets the requirements specified for a weld quality level, the sizes of imperfections permitted by standards are compared with the dimensions of indications revealed by a radiograph made of the weld.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6520-1, *Welding and allied processes — Classification of geometric imperfections in metallic materials — Part 1: Fusion welding*

ISO 10042, *Welding — Arc-welded joints in aluminium and its alloys — Quality levels for imperfections*

ISO 17636, *Non-destructive examination of welds — Radiographic examination of welded joints*

3 Radiographic technique

Depending on the weld quality level, radiographic technique A or B in accordance with ISO 17636 shall be used as shown in Table 1.

Table 1 — Radiographic testing

Quality levels in accordance with ISO 10042	Testing techniques and classes in accordance with ISO 17636	Acceptance levels in accordance with this part of ISO 10675
B	B	1
C	B ^a	2
D	A	3
^a However, the minimum number of exposure for circumferential weld testing may correspond to the requirements of class A of ISO 17636.		