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### **Keevitajate atesteerimine. Sulakeevitus**

**Laansoo, Andres** 2010 [https://www.ester.ee/record=b2594976\\*est](https://www.ester.ee/record=b2594976*est)

## **Keevitajate atesteerimine. Sulakeevitus**

Laansoo, Andres 2010 [https://www.ester.ee/record=b2595016\\*est](https://www.ester.ee/record=b2595016*est)

## **Keevitajate kvalifitseerimise katse [Võrguteavik] : sulakeevitus. Osa 1, Terased = Qualification testing of welders : fusion welding. Part 1, Steels (ISO 9606-1:2012 including Cor 1:2012 and Cor 2:2013) / Eesti Standardikeskus**

2017 [http://www.ester.ee/record=b4741221\\*est](http://www.ester.ee/record=b4741221*est)

## **Keevitamine : laboratorsete tööde juhend**

1973 [https://www.ester.ee/record=b1317423\\*est](https://www.ester.ee/record=b1317423*est)

## **Keevitamine : laboratorsete tööde juhend**

1983 [https://www.ester.ee/record=b1255980\\*est](https://www.ester.ee/record=b1255980*est)

## **Keevitamine : laboratorsete tööde juhend**

1990 [https://www.ester.ee/record=b1212458\\*est](https://www.ester.ee/record=b1212458*est)

## **Keevitamine : MIG/MAG-keevitus**

Laansoo, Andres 2010 [https://www.ester.ee/record=b2623612\\*est](https://www.ester.ee/record=b2623612*est)

## **Keevitamine : MIG/MAG-keevitus**

Laansoo, Andres 2014 [https://www.ester.ee/record=b3071456\\*est](https://www.ester.ee/record=b3071456*est)

## **Keevitamine : soovitud metallmaterjalide keevitamiseks. Osa 2, Ferriitteraste kaarkeevitus = Welding : recommendations for welding of metallic materials. Part 2, Arc welding of ferritic steels**

2012 [https://www.ester.ee/record=b2889109\\*est](https://www.ester.ee/record=b2889109*est)

## **Keevitamine : soovitud metallmaterjalide keevitamiseks. Osa 3, Roostevabade teraste kaarkeevitus = Welding : recommendations for welding of metallic materials. Part 3, Arc welding of stainless steels**

2012 [https://www.ester.ee/record=b2873974\\*est](https://www.ester.ee/record=b2873974*est)

## **Keevitamine automaatmasinatega**

Selja, R. T 1935 / lk. 60-62

## **Keevitamine ja külgnevad protsessid [Võrguteavik] : keevitusasendid = Welding and allied processes : welding positions (ISO 6947:2019)**

2019 [https://www.ester.ee/record=b5287657\\*est](https://www.ester.ee/record=b5287657*est)

## **Keevitamine ja seonduvad protsessid [Võrguteavik] : sõnastik. Osa 1, Üldterminid = Welding and allied processes : vocabulary. Part 1, General terms (ISO/TR 25901-1:2016)**

2021 [https://www.ester.ee/record=b5368695\\*est](https://www.ester.ee/record=b5368695*est)

## **Keevitamine poolautomaadiga**

Laansoo, Andres Ehitaja 2003 / 10, lk. 60-61 : ill [https://artiklid.elnet.ee/record=b1013730\\*est](https://artiklid.elnet.ee/record=b1013730*est)

## **Keevitamine [Võrguteavik] : metallmaterjalide tihvtkaarkeevitus = Welding : arc stud welding of metallic materials (ISO 14555:2017)**

2021 [https://www.ester.ee/record=b5455705\\*est](https://www.ester.ee/record=b5455705*est)

## **Keevitamine, kõvajoodisjootmine, pehmejoodisjootmine ja termolõikamine : protsesside nomenklatuur ja viitenumbrid = Welding, brazing, soldering and cutting : nomenclature of processes and reference numbers (ISO 4063:2023)**

2024 [https://www.ester.ee/record=b5682835\\*est](https://www.ester.ee/record=b5682835*est)

## **Keevitamise kasud**

Käsitööstuskoja Teataja 1939 / lk. 60

## **Keevitamisest**

Tehnika Kõigile 1937 / lk. 157-160 : fot

## **Keevitamistöõde kursused [Tallinnas : eelteade]**

Tehnika Kõigile 1940 / lk. 99

## **Keevitus ja külgnevad protsessid : soovitud liidete ettevalmistuseks. Osa 1, Teraste käsikaarkeevitus, kaarkeevitus kaitsegaasis, gaaskeevitus, TIG-keevitus ja kiirguskeevitus = Welding and allied processes : recommendations for joint preparation. Part 1, Manual metal-arc welding, gas-shielded metal-arc welding, gas welding, TIG welding and beam welding of steels (ISO 9692-1:2003)**

2012 [https://www.ester.ee/record=b2867061\\*est](https://www.ester.ee/record=b2867061*est)

**Keevitus ja külgnevad protsessid [Võrguteavik] : keevisliidete tähistamine tingmärkidega joonistel = Welding and allied processes : symbolic representation on drawings. Welded joints (ISO 2553:2013)**

2015 [http://www.ester.ee/record=b4478056\\*est](http://www.ester.ee/record=b4478056*est)

**Keevitus ja külgnevad protsessid [Võrguteavik] : protsesside nomenklatuur ja viitenumbrid = Welding and allied processes : nomenclature of processes and reference numbers (ISO 4063:2009, Corrected version 2010-03-01)**

2016 [http://www.ester.ee/record=b4604543\\*est](http://www.ester.ee/record=b4604543*est)

**Keevitus ja külgnevad protsessid [Võrguteavik] : tingmärkidega tähistamine joonistel. Keevisliited = Welding and allied processes : symbolic representation on drawings. Welded joints (ISO 2553:2019)**

2019 [https://www.ester.ee/record=b5234002\\*est](https://www.ester.ee/record=b5234002*est)

**Keevitus ja külgnevad protsessid. Metallide keevisliidete geomeetriliste defektide liigitus**

Laansoo, Andres 2010 [https://www.ester.ee/record=b2594992\\*est](https://www.ester.ee/record=b2594992*est)

**Keevitus ja külgnevad protsessid. Metallide keevisliidete geomeetriliste defektide liigitus**

Üksti, Lembit; Laansoo, Andres; Laurfeld, Toomas 2004 [https://www.ester.ee/record=b1860516\\*est](https://www.ester.ee/record=b1860516*est)

**Keevitus [Võrguteavik] : juhised eelkuumutustemperatuuri, läbimitevahelise temperatuuri ja eelkuumutuse hoidmistemperatuuri määramiseks = Welding : guidance on the measurement of preheating temperature, interpass temperature and preheat maintenance temperature (ISO 13916:2017)**

2017 [http://www.ester.ee/record=b4768949\\*est](http://www.ester.ee/record=b4768949*est)

**Keevitus [Võrguteavik] : terase, nikli, titaani ja nende sulamite sulakeevitusliited (välja arvatud kiirguskeevituse meetodid) ; Kvaliteeditasemed keevitusdefektide järgi = Welding : fusion-welding joints in steel, nickel, titanium and their alloys (beam welding excluded) ; Quality levels for imperfections (ISO 5817:2003)**

2015 [http://www.ester.ee/record=b4502650\\*est](http://www.ester.ee/record=b4502650*est)

**Keevitus. Teras, nikli, titaani ja nende sulamite sulakeevitusliited (välja arvatud kiirguskeevituse meetodid).**

**Kvaliteeditasemed keevitusdefektide järgi = Welding. Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded). Quality levels for imperfections (ISO 5817:2003)**

2011 [https://www.ester.ee/record=b2652603\\*est](https://www.ester.ee/record=b2652603*est)

**Keevituse kvaliteedinõuded metallide sulakeevitusel. Osa 1, Sobiva kvaliteedinõuete taseme valiku kriteeriumid = Quality requirements for fusion welding of metallic materials. Part 1, Criteria for the selection of the appropriate level of quality requirements (ISO 3834-1:2005)**

2011 [https://www.ester.ee/record=b2708243\\*est](https://www.ester.ee/record=b2708243*est)

**Keevituse kvaliteedinõuded metallide sulakeevitusel. Osa 5, Dokumendid, mis on vajalikud kvaliteedinõuete vastavushindamiseks standardi ISO 3834-2, ISO 3834-3 või ISO 3834-4 järgi = Quality requirements for fusion welding of metallic materials. Part 5, Documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4 (ISO 3834-5:2005)**

2011 [https://www.ester.ee/record=b2743102\\*est](https://www.ester.ee/record=b2743102*est)

**Keevituse kvaliteedinõuded. Metallide sulakeevitus. Osa 2, Laialdased kvaliteedinõuded = Quality requirements for fusion welding of metallic materials. Part 2, Comprehensive quality requirements (ISO 3834-2:2005)**

2011 [https://www.ester.ee/record=b2670351\\*est](https://www.ester.ee/record=b2670351*est)

**Keevituse laboratoorsete tööde aruanded**

1974 [https://www.ester.ee/record=b2429980\\*est](https://www.ester.ee/record=b2429980*est)

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Laansoo, Andres Ehitaja 2003 / 9, lk. 54-56 : ill [https://artiklid.elnet.ee/record=b1013482\\*est](https://artiklid.elnet.ee/record=b1013482*est)

**Keevituse vooluallikate valik ja koormatavus**

Laansoo, Andres Kaarleek : Kemppi Oy ja Femker Oy tarbijaleht 1997 / lk. 4-5 [https://www.ester.ee/record=b5668719\\*est](https://www.ester.ee/record=b5668719*est)

**Keevitusmaterjalid : standardid, markeering, koostis, omadused : [käsiraamat]**

1995 [https://www.ester.ee/record=b1068939\\*est](https://www.ester.ee/record=b1068939*est)

**Keevitustehnika**

Laansoo, Andres 1996 [https://www.ester.ee/record=b1058609\\*est](https://www.ester.ee/record=b1058609*est)



## **Keevitustehnoloogia**

**Laansoo, Andres** 2011 [http://www.ester.ee/record=b2738782\\*est](http://www.ester.ee/record=b2738782*est) <https://digikogu.taltech.ee/et/Item/da9f0818-d5d9-4a5e-9355-ed5d225e09f3>

## **Keevitustehnoloogia. 2**

**Laansoo, Andres** 2021 [https://www.ester.ee/record=b5461458\\*est](https://www.ester.ee/record=b5461458*est) <https://digikogu.taltech.ee/et/Item/f0d6a441-2451-402f-bade-cebd9a426305>

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Rava, R. Tehnika Kõigile 1936 / lk. 241-242 : joon

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Rava, R. Õiendus // Samas (1936) 9, lk. 283 : joon

## **Keevitustööd : õppematerjal kutsekoolidele**

**Laansoo, Andres**; Pihl, Toomas 2014 [https://www.ester.ee/record=b4443922\\*est](https://www.ester.ee/record=b4443922*est)

## **Keevitustööde atsetüleeniparaatidest**

Truu, H. Tehnika Kõigile 1938 / lk. 113-116 : joon., fot

## **Keevitustööde koordineerimine : ülesanded ja kohustused = Welding coordination : tasks and responsibilities (ISO 14731:2006)**

2011 [https://www.ester.ee/record=b2670362\\*est](https://www.ester.ee/record=b2670362*est)

## **Keevitustööde kvaliteet ja ehitus**

**Laansoo, Andres** Ehitaja 2001 / 6, lk. 53-54 [https://artiklid.elnet.ee/record=b1006982\\*est](https://artiklid.elnet.ee/record=b1006982*est)

## **Kempomig seeria keevitusseadmed; Multisüsteemsed PSS-seeria keevituse vooluallikad**

**Laansoo, Andres** Kaarleek : Kemppi Oy ja Femker Oy tarbijaleht 1996 / lk. 4-6: ill [https://www.ester.ee/record=b5668719\\*est](https://www.ester.ee/record=b5668719*est)

## **Kinnisliited**

**Arumäe, Heino**; **Kleis, Ilmar** 1979 [http://www.ester.ee/record=b1282362\\*est](http://www.ester.ee/record=b1282362*est)

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Krik, A. Tehnika Põllumajanduses 1934 / lk. 16-17 : joon

## **Kohase keevituselektroodi valimisest**

Tedder, O. Tehnika Kõigile 1940 / lk. 217-219

## **Konstruksioonimaterjalide tehnoloogia : metallide keevitamine : õppevahend**

**Valdma, Leo** 1992 [https://www.ester.ee/record=b1063144\\*est](https://www.ester.ee/record=b1063144*est)

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Treu, H. Tehnika Ajakiri 1933 / lk. 148-150 : joon

## **Kuidas tinutada malmi**

Käsitööstuskoja Teataja 1939 / lk. 177

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Raadio 1934 / lk. 398

## **Ligipääsmatute juhede tinutamine**

Raadio 1927 / lk. 488 : joon

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**Šklovski, Jevgeni**; **Janson, Kuno**; **Kallaste, Ants** USB proceedings : IECON 2012 - 38th Annual Conference on IEEE Industrial Electronics Society, Montreal, Canada, 25-28 October, 2012 2012 / p. 517-523 : ill <https://ieeexplore.ieee.org/document/6388771>

## **Malmi keevitamine**

**Laansoo, Andres** Kaarleek : Kemppi Oy ja Femker Oy tarbijaleht 1997 / lk. 8 [https://www.ester.ee/record=b5668719\\*est](https://www.ester.ee/record=b5668719*est)

## **Malmi keevitamisest**

Tehnika Kõigile 1940 / lk. 285-287 : joon., fot

## **Masinakulumise kohad vastupidavaks elekterkeevituse teel**

Truu, H. Tehnika Põllumajanduses 1935 / lk. 162-164

**["Metallide keetmine" : J. Veruse ja ins. Ottensoni ettekannetest E.I.Ü. ruumes]**

Tehnika Ajakiri ja Auto 1932 / lk. 72

**Metallide keetmine elektri kaartulega ja tarvitavad vooluallikad**

Ottenson, A. Tehnika Ajakiri ja Auto 1932 / lk. 217-221 : joon., fot

**Metallide keetmise proovimisi Eestis**

Veerus, J. Tehnika Ajakiri ja Auto 1932 / lk. 210-216 : joon., fot

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Treu, H. Tehnika Põllumajanduses 1933 / 4, lk. 76-79; (1934) 4, lk. 151-164; (1935) 1, lk. 35-38

**Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine**

Tallermo, Harri 1998 [https://www.ester.ee/record=b1060921\\*est](https://www.ester.ee/record=b1060921*est)

**Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine : keevitusprotseduuri katse. Osa 1, Teraste gaas- ja kaarkeevitus ning nikli ja niklisulamite kaarkeevitus = Specification and qualification of welding procedures for metallic materials : welding procedure test. Part 1, Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2004+A1:2008)**

2011 [https://www.ester.ee/record=b2730238\\*est](https://www.ester.ee/record=b2730238*est)

**Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine : keevitusprotseduuri katse. Osa 2, Alumiiniumi ja selle sulamite kaarkeevitus = Specification and qualification of welding procedures for metallic materials : welding procedure test. Part 2, Arc welding of aluminium and its alloys (ISO 15614-2:2005)**

2011 [https://www.ester.ee/record=b2730254\\*est](https://www.ester.ee/record=b2730254*est)

**Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine. Keevitusprotseduuri katse. Osa 1, Teraste gaas- ja kaarkeevitus ning nikli ja niklisulamite kaarkeevitus = Specification and qualification of welding procedures for metallic materials. Welding procedure test. Part 1, Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2004+A1:2008+A2:2012)**

2013 [https://www.ester.ee/record=b2908512\\*est](https://www.ester.ee/record=b2908512*est)

**Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine [Võrguteavik] : keevitusprotseduuri katse. Osa 1, Teraste kaar- ja gaaskeevitus ning nikli ja niklisulamite kaarkeevitus = Specification and qualification of welding procedures for metallic materials : welding procedure test. Part 1, Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2017, Corrected version 2017-10-01)**

2018 [https://www.ester.ee/record=b5145002\\*est](https://www.ester.ee/record=b5145002*est)

**Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine. Osa 3, Keevitusprotseduuri katsed teraste kaarkeevitusel**

Tallermo, Harri 1998 [https://www.ester.ee/record=b1060920\\*est](https://www.ester.ee/record=b1060920*est)

**Metallide keevitusprotseduuride spetsifitseerimine ja kvalifitseerimine [Võrguteavik] : keevitusprotseduuri katse. Osa 1, Teraste kaar- ja gaaskeevitus ning nikli ja niklisulamite kaarkeevitus = Specification and qualification of welding procedures for metallic materials : welding procedure test. Part 1, Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2017, Corrected version 2017-10-01+ISO 15614-1:2017/Amd 1:2019)**

2019 [https://www.ester.ee/record=b5272359\\*est](https://www.ester.ee/record=b5272359*est)

**Metallide keevitusprotseduuride spetsifitseerimine ja kvalifitseerimine [Võrguteavik] : üldreeglid = Specification and qualification of welding procedures for metallic materials : general rules (ISO 15607:2019)**

2019 [https://www.ester.ee/record=b5295429\\*est](https://www.ester.ee/record=b5295429*est)

**Metallide sulakeevituse kvaliteedinõuded. Osa 1, Sobiva kvaliteedinõuete taseme valiku kriteeriumid [Võrguteavik] = Quality requirements for fusion welding of metallic materials. Part 1, Criteria for the selection of the appropriate level of quality requirements (ISO 3834-1:2021)**

2021 [https://www.ester.ee/record=b5467471\\*est](https://www.ester.ee/record=b5467471*est)

**Metallide sulakeevituse kvaliteedinõuded. Osa 2, Laialdased kvaliteedinõuded [Võrguteavik] = Quality requirements for fusion welding of metallic materials. Part 2, Comprehensive quality requirements (ISO 3834-2:2021)**

2021 [https://www.ester.ee/record=b5435693\\*est](https://www.ester.ee/record=b5435693*est)

**Metallide sulakeevituse kvaliteedinõuded. Osa 3, Standardised kvaliteedinõuded [Võrguteavik] = Quality requirements for fusion welding of metallic materials. Part 3, Standard quality requirements (ISO 3834-3:2021)**

2021 [https://www.ester.ee/record=b5436439\\*est](https://www.ester.ee/record=b5436439*est)

**Metallide sulakeevituse kvaliteedinõuded. Osa 4, Elementaarsed kvaliteedinõuded [Võrguteavik] = Quality requirements for fusion welding of metallic materials. Part 4, Elementary quality requirements (ISO 3834-4:2021)**

2021 [https://www.ester.ee/record=b5436443\\*est](https://www.ester.ee/record=b5436443*est)

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Eesti Metalist : metallitööstuse käsiraamat 1934 1934 / lk. 23, 25

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Truu, H. Tehnika Ajakiri 1940 / lk. 107-111 : fot

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Kulu, Priit; Kübarsepp, Jakob; Laansoo, Andres; Pirso, Jüri; Valdma, Leo 2001 [https://www.ester.ee/record=b1526274\\*est](https://www.ester.ee/record=b1526274*est)

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1999 [https://www.ester.ee/record=b1059860\\*est](https://www.ester.ee/record=b1059860*est)

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Tehnika Põllumajanduses 1935 / lk. 75-77

#### **Metallsete materjalide keevisliidete purustav katsetamine [Võrguteavik] : löökpaindekatsed. Katsekehade asukoht, soone asend ja uurimine = Destructive tests on welds in metallic materials : impact tests. Test specimen location, notch orientation and examination (ISO 9016:2012)**

2019 [https://www.ester.ee/record=b5199009\\*est](https://www.ester.ee/record=b5199009*est)

#### **Metallsete materjalide keevisõmbuste purustav katsetamine : keevisõmbuste makroskoopiline ja mikroskoopiline uuring = Destructive tests on welds in metallic materials : macroscopic and microscopic examination of welds (ISO 17639:2022)**

2022 [https://www.ester.ee/record=b5507297\\*est](https://www.ester.ee/record=b5507297*est)

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2024 [https://www.ester.ee/record=b5678158\\*est](https://www.ester.ee/record=b5678158*est)

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2024 [https://www.ester.ee/record=b5678083\\*est](https://www.ester.ee/record=b5678083*est)

#### **Metallsete materjalide keevisõmbuste purustav katsetamine : ristsuunalised tõmbekatsed = Destructive tests on welds in metallic materials : transverse tensile test (ISO 4136:2022)**

2024 [https://www.ester.ee/record=b5678037\\*est](https://www.ester.ee/record=b5678037*est)

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2019 [https://www.ester.ee/record=b5225904\\*est](https://www.ester.ee/record=b5225904*est)

#### **Methodology for configuration of robot welding cell for SMEs under conditions of small and medium sized production using MIG/MAG process**

Talalaev, Robert; Sarkans, Martinš; Laansoo, Andres; Veinthal, Renno Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 2 2012 / p. 591-596 : ill

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Tehnika Kõigile 1938 / lk. 281-282 : joon., fot

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Jankauskas, Vytenis; Choteborsky, R.; Antonov, Maksim; Katinas, Egidijus Journal of friction and wear 2018 / p. 78-84 : ill <https://doi.org/10.3103/S1068366618010142> Journal metrics at Scopus Article at Scopus Article at WOS

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**Multicell-type current regulator based on Cuk converter for resistance welding**

Verbytskyi, Ievgen; Bondarenko, Oleksandr; **Vinnikov, Dmitri** 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [6] p. : ill <https://doi.org/10.1109/RTUCON.2017.8124844>

**Murtud vaskasjade kinnijootmisest**

Tehnika Põllumajanduses 1933 / lk. 35

**Mõnda metallide keetmisest (šveisimisest)**

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