

ABB annetas ülikoolile keevitusroboti

Mente et Manu 2008 / 12. sept., lk. 3 : fot https://www.ester.ee/record=b1242496*est

Advanced multiphase tribo-functional PTA hardfacings = Mitmeefaasilised kulumiskindlad PTA-keevispind

Zikin, Arkadi 2013 <https://digi.lib.ttu.ee/i/?908> https://www.ester.ee/record=b2956356*est

Alumiiniumi jootmine

Raadiotehnika 1935 / lk. 110

[Alumiiniumi jootmine]

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Grünreich, E. Tehnika Kõigile 1938 / lk. 85-86

Alumiiniumi keevitamisest

Tehnika Kõigile 1937 / lk. 24

Analysis of barrier inhomogeneities of P-type Al/4H-SiC Schottky barrier diodes

Ziko, Mehadi Hasan; Koel, Ants; Rang, Toomas; Toompuu, Jana Silicon Carbide and Related Materials 2019 : Selected peer-reviewed papers from International Conference on Silicon Carbide and Related Materials 2019 (ICSCRM 2019), September 29 - October 4, 2019, Kyoto, Japan Materials science forum 2020 / p. 960-972 <https://doi.org/10.4028/www.scientific.net/MSF.1004.960>
[Conference proceedings at Scopus](#) [Article at Scopus](#)

Application of statistical methods in assessing the quality of welding

Stepanov, Aleksandr; Laansoo, Andres Proceedings of the 4th International Conference Industrial Engineering - New Challenges to SME : 29-30 April 2004, Tallinn, Estonia 2004 / p. 287-289

Arcatom-keevitamine

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Atsetüleeniasjanduse järelvalvest

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Brazing and diffusion welding of tungsten free hardmetals

Surženkov, Gennadi; Laansoo, Andres; Kübarsepp, Jakob Abstracts of International Conference on Welding - Quality - Competitiveness 2002 / p. 61-63

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Characteristics of rails and rail welds

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Clamp mode package diffusion welded power SiC Schottky diodes

Korolkov, Oleg; Kuznetsova, Natalja; Rang, Toomas BEC 2006 : 2006 International Baltic Electronics Conference : Tallinn University of Technology, October 2-4, 2006, Tallinn, Estonia : proceedings of the 10th Biennial Baltic Electronics Conference 2006 / p. 55-58 : ill

Cold metal transfer (CMT) welding of thin sheet metal products

Talalaev, Robert; Veinthal, Renno; Laansoo, Andres; Sarkans, Martinš Estonian journal of engineering 2012 / p. 243-250 : ill

Comparative characteristics of 6H- and 4H-SiC surfaces in diffusion welding

Korolkov, Oleg; Rang, Toomas Proceedings of the Estonian Academy of Sciences. Engineering 2001 / 4, p. 347-353 : ill

Comparative characteristics of diffusion welded Al contacts to 6H- and 4H-SiC substrates

Korolkov, Oleg; Rang, Toomas The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 23-26 : ill

Comparative characteristics of diffusion-welded high-voltage stacks and connected in series Schottky diodes

Sleptšuk, Natalja; Korolkov, Oleg; Land, Raul; Toompuu, Jana; Annus, Paul; Rang, Toomas BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 39-42 : ill http://www.ester.ee/record=b2150914*est

Comparative study of adhesive wear for CoCr, TiC-NiMo, WC-Co as potential FSW tool materials

Kolnes, Mart; Kübarsepp, Jakob; Sergejev, Fjodor; Kolnes, Märt Materials Engineering 2017 : selected, peer reviewed papers from the 26th International Baltic Conference on Materials Engineering 2017, October 26-27, Kaunas, Lithuania 2017 / p. 224-228 : ill <https://doi.org/10.4028/www.scientific.net/SSP.267.224> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Comparison of individual SiC JBS chips and JBS stacks connected in series by diffusion welding

Sleptšuk, Natalja; Korolkov, Oleg; Toompuu, Jana; Rang, Toomas BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : proceedings of the 12th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 4-6, 2010, Tallinn, Estonia 2010 / p. 81-84 : ill

Comparison of plasma transferred arc and submerged arc welded abrasive wear resistant composite hardfacings

Simson, Taavi; Kulu, Priit; Surženkov, Andrei; Ciuplys, Antanas; **Viljus, Mart;** Zaldarys, Gintautas Materials science = Medžiagotyra 2018 / p. 172-176 : ill <https://doi.org/10.5755/j01.ms.24.2.19121> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of plasma transferred arc and submerged arc welded abrasive wear resistant composite hardfacings [Online resource]

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Comparison of Schottky parameters for diffusion-welded and sputter contacts to silicon carbide

Kuznetsova, Natalja Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK teise aastakonverentsi artiklite kogumik : 11.-12. mai 2007, Viinistu kunstimuuseum 2007 / lk. 162-165 : ill

Complementary education welding engineers in Estonia

Laansoo, Andres Proceedings of the Second International Conference on Education in Welding 2000 / p. 48-51

Compound carbide composites produced by diffusion bonding

Kübarsepp, Jakob; Klaasen, Heinrich; Laansoo, Andres EURO PM2001 : [European Congress and Exhibition on Powder Metallurgy] : October 22-24, 2001, Nice, France. Vol. 1 : proceedings 2001 / p. 158-163 : ill

Control features of multicell-type current regulator for resistance welding

Verbytskyi, Ievgen; Bondarenko, Oleksandr; **Liivik, Elizaveta** 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [5] p. : ill <https://doi.org/10.1109/RTUCON.2017.8124846>

Development of coarse recycled hardmetal reinforced hardfacings = Taaskasutatava jämekõvasulamarmatuuriga kõvapinnete arendus

Simson, Taavi 2018 <https://digi.lib.ttu.ee/i/?9946> https://www.ester.ee/record=b5054964*est

Development of Estonian welding standards and complementary education of welding engineers

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Korolkov, Oleg; Sleptšuk, Natalja; Toompuu, Jana; Rang, Toomas Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 67-70 : ill <https://eejournal.ktu.lt/index.php/elt/article/view/359>

Diffusion welding and brazing of tungsten free hardmetals

Laansoo, Andres; Kübarsepp, Jakob; Klaasen, Heinrich Proceedings of 7th International Conference "Brazing, High Temperature Brazing and Diffusion Welding" : June 15-17, 2004, Aachen, Germany 2004 / p. 27-30

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Kübarsepp, Jakob; Reshetnjak, Heinrich; **Laansoo, Andres** Proceedings of the 3rd International Conference MET-99 on Welding : Technologies, Equipment, Materials, Related Technologies : June 3-4, 1999, Riga, Latvia 1999 / p. 126-129

Diffusion welding contacts to 6H-SiC substrates

Korolkov, Oleg; Rang, Toomas 43. Internationales Wissenschaftliches Kolloquium, 21.-24.09.1998 1998 / p. 47-48

Diffusion welding techniques for power SiC Schottky packaging

Korolkov, Oleg; Rang, Toomas; Syrkin, A.; Dmitriev, V. Final program of the 12th International Conference on Silicon Carbide and Related Materials : ICSCRM2005 : Pittsburgh, PA, USA 2005 / p. 71

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Diffusion welding technology for wide bandgap materials

Rang, Toomas; Korolkov, Oleg Proceedings of the European COPEX Seminar, June 17-19, 1997, Vienna, Austria 1997 / p. 124-127

Diffusionsschweissen von Werkstoffen mit unterschiedlichen Eigenschaften = Diffusion welding of different materials = Erinevate materjalide difusioonkeevitus

Dahms, Steffen 2011 <https://digi.lib.ttu.ee/i/?605>

A digital measuring system for robot welding quality estimation

Otto, Tauno; Kurik, Lembit; Naams, Invar Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 128-129 : ill

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Kulu, Priit; Laansoo, Andres; Roosimölder, Lembit Mehaanikateaduskond 2008 2008 / lk. 54-58

Effect of Local Remelting and Recycled WC-Co Composite Reinforcement Size on Abrasive and Erosive Wear of Manual Arc Welded Hardfacings

Katinas, Egidijus; **Antonov, Maksim**; Jankauskas, Vytenis; **Goljandin, Dmitri** Coatings 2023 / art. 734

Effect of new technology implementation on welding quality and productivity

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Sundaria, Ravi; Daem, Andries; Osemwinyen, Osaruyi; Lehtikainen, Antti; Sergeant, Peter; Arkio, Antero; **Belahcen, Anouar** Journal of Magnetism and Magnetic Materials 2020 / art. 166280 <https://doi.org/10.1016/j.jmmm.2019.166280> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

EKÜ pakub keevitustööde kvaliteeti : [Eesti Kevitusühingust, koostöös TTÜga tehtavast keevituskoordineerijate täiendõppest, standarditest ja juhendmaterjalidest]

Laansoo, Andres TKK Teataja : OÜ Tehnokontrollikeskus infoleht 2000 / 3, juuli, lk. 5 : fot

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Korolkov, Oleg; Sleptšuk, Natalja; Sitnikova, A.; **Rang, Toomas** BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 91-94 : ill

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Sokkalingam, Rathinavelu; Mastanaiah, P.; Muthupandi, Veerappan; Sivaprasad, Katakam; **Prashanth, Konda Gokuldoss** Materials and manufacturing processes 2020 / p. 1885-1894 <https://doi.org/10.1080/10426914.2020.1802045> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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Elektriline keevitamine väiketööstuses

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Euroweld alustas : [keevitusinseneride täiendkoolituse õppejõudude ja koolituseks vajalike õppematerjalide ettevalmistamise projektist, millega jaanuaris 2006 ühines ka TTÜ]

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Friktsioon-jootmetall

GaAs based diffusion welded high voltage diode stacks [Electronic resource]

Toompuu, Jana; Korolkov, Oleg; Sleptsuk, Natalja; Voitovitš, Viktor; Rang, Toomas IEEE International Conference on Semiconductor Electronics CD-ROM Proceedings 2010 / [4] p <https://ieeexplore.ieee.org/document/5549505>

Geotehniliste eritööde tegemine : sulundseinad, kombi-sulundseinad, suure jäikusega seinad = Execution of special geotechnical work : sheet pile walls, combined pile walls, high modulus walls

2024 https://www.ester.ee/record=b5713882*est

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Investigation of additional states in the silicon carbide surface after diffusion welding

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Joining of CrNi steel and AlMg alloy without interlayers

Dahms, Steffen; **Kulu, Priit; Veinthal, Renno**; Basler, Ursula Estonian journal of engineering 2010 / 4, p. 273-284 : ill

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Kaskneem, A. Käsitööstuskoja Teataja 1940 / lk. 10-12 : joon

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Keevisliited

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Keevisliited ja jootliited : tähistamine joonistel

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Keevisõmbuste mittepurustav katsetamine [Võrguteavik] : kapillaarkatse. Aktsepteerimise tasemed = Non-destructive testing of welds : penetrant testing. Acceptance levels (ISO 23277:2015)

2015 http://www.ester.ee/record=b4532450*est

Keevisõmbuste mittepurustav katsetamine [Võrguteavik] : katsetamine ultraheliga. Aktsepteerimise tasemed = Non-destructive testing of welds : ultrasonic testing. Acceptance levels (ISO 11666:2010)

2014 http://www.ester.ee/record=b4440720*est

Keevisõmbuste mittepurustav katsetamine [Võrguteavik] : katsetamine ultraheliga. Meetodid, katsetamise tasemed ja hindamine = Non-destructive testing of welds : ultrasonic testing. Techniques, testing levels, and assessment (ISO 17640:2010)

2015 http://www.ester.ee/record=b4456155*est

Keevisõmbuste mittepurustav katsetamine [Võrguteavik] : magnetpulberkatse. Aktsepteerimise tasemed = Non-destructive testing of welds : magnetic particle testing. Acceptance levels (ISO 23278:2015)

2015 http://www.ester.ee/record=b4532453*est

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2018 https://www.ester.ee/record=b5189262*est

Keevitajate atesteerimine : sulakeevitus. Osa 1, Terased = Qualification test of welders : fusion welding. Part 1, Steels

2013 https://www.ester.ee/record=b2908427*est

Keevitajate atesteerimine. Sulakeevitus

Laansoo, Andres 2010 https://www.ester.ee/record=b2594976*est

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2017 http://www.ester.ee/record=b4741221*est

Keevitamine : laboratoorsete tööde juhend

1973 https://www.ester.ee/record=b1317423*est

Keevitamine : laboratoorsete tööde juhend

1983 https://www.ester.ee/record=b1255980*est

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1990 https://www.ester.ee/record=b1212458*est

Keevitamine : MIG/MAG-keevitus

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Laansoo, Andres 2014 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

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

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Laansoo, Andres Ehitaja 2003 / 10, lk. 60-61 : ill 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

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

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

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

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

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

Keevitus ja külgnevad protsessid. Metallide keevisliidete geomeetriliste defektide liigitus

Laansoo, Andres 2010 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

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

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

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

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2011 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

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

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1974 https://www.ester.ee/record=b2429980*est

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

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

1995 https://www.ester.ee/record=b1068939*est

Keevitustehnika

Laansoo, Andres 1996 https://www.ester.ee/record=b1058609*est

Keevitustehnoloogia

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Keevitustehnoloogia. 2

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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

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

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Kohase keevituselektroodi valimisest

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Valdma, Leo 1992 https://www.ester.ee/record=b1063144*est

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Kuidas tinutada malmi

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Tallermo, Harri 1998 https://www.ester.ee/record=b1060921*est

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2011 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

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

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

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

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2019 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

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

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

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

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

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2019 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)

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2024 https://www.ester.ee/record=b5678158*est

Metallsete materjalide keevisõmbuste purustav katsetamine : paindekatsed = Destructive tests on welds in metallic materials : bend tests (ISO 5173:2023)

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2024 https://www.ester.ee/record=b5678037*est

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alumiiniumkonstruktsioonidele = Execution of steel structures and aluminium structures. Part 3, Technical requirements for aluminium structures

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