

Hrvatski zavod za norme

Oglasnik za normativne dokumente

6/2018 lipanj, 2018.

Oglasnik za normativne dokumente Hrvatskog zavoda za norme sadrži popise hrvatskih norma, nacrtu hrvatskih norma, prijedloga za prihvaćanje stranih norma u izvorniku, povučene hrvatske norme, povučene nacrtu hrvatskih norma te ispravke, rezultate europske i međunarodne normizacije razvrstane po predmetnom ustroju i obavijesti HZN-a.

Tko u popisima normativnih dokumenata koji su objavljeni u ovom Oglasniku otkrije koju grešku, koja može voditi do krive primjene, moli se da o tome neodložno obavijesti Hrvatski zavod za norme, kako bi se mogli otkloniti uočeni propusti.

Izdavač:



HZN

Hrvatski zavod za norme
Croatian Standards Institute

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Rezultati hrvatske normizacije

1.1 Hrvatske norme

Temeljem Zakona o normizaciji (Narodne novine 80/2013) hrvatske norme priprema, izdaje i objavljuje Hrvatski zavod za norme, na prijedlog tehničkih odbora.

Hrvatske norme mogu nastati na ova četiri načina:

- prihvaćanjem stranih (međunarodnih/europskih/nacionalnih) norma uz prevođenje na hrvatski jezik (pp)
- prihvaćanjem stranih norma u izvorniku s hrvatskim ovitkom (po)
- prihvaćanjem stranih norma u izvorniku objavom obavijesti o prihvaćanju (pr)
- izradbom izvorne hrvatske norme (izv).

Oznaka načina prihvaćanja navedena je uz referencijsku oznaku hrvatske norme. Hrvatske su norme zainteresiranima na raspolaganju u Normoteci Hrvatskoga zavoda za norme, Ulica grada Vukovara 78, Zagreb.

HZN/TO 8, Brodogradnja

HRN EN ISO 8385:2018 en pr
Brodovi i pomorska tehnologija – Jaružala – Razredba (ISO 8385:2018; EN ISO 8385:2018)
Ships and marine technology – Dredgers – Classification (ISO 8385:2018; EN ISO 8385:2018)

HZN/TO 23, Traktori i strojevi za poljoprivredu i šumarstvo

HRN EN ISO 4254-8:2018 en pr
Poljoprivredna mehanizacija – Sigurnost – 8. dio: Rasipači krutih gnojiva (ISO 4254-8:2018; EN ISO 4254-8:2018)
Agricultural machinery – Safety – Part 8: Solid fertilizer distributors (ISO 4254-8:2018; EN ISO 4254-8:2018)

HRN EN ISO 5395-1:2014/A1:2018 en pr
Oprema za vrtove i parkove – Sigurnosni zahtjevi za kosilice trave pogonjene motorom s unutrašnjim izgaranjem – 1. dio: Nazivlje i uobičajena ispitivanja – Amandman 1: Dodatak G (Ispitno pravilo za vibraciju – Vibracija ruke i cijeloga tijela) (ISO 5395-1:2013/Amd 1:2017; EN ISO 5395-1:2013/A1:2018)
Garden equipment – Safety requirements for combustion-engine-powered lawnmowers – Part 1: Terminology and common tests – Amendment 1: Annex G (Vibration test code – Hand-arm vibration and Whole-body vibration) (ISO 5395-1:2013/Amd 1:2017; EN ISO 5395-1:2013/A1:2018)

HZN/TO 46, Bibliotekarstvo, dokumentacija i informacije

HRN ISO 20247:2018 en pr
Informacije i dokumentacija – Međunarodni identifikator jedinice knjižnične građe (ILII) (ISO 20247:2018)
Information and documentation – International library item identifier (ILII) (ISO 20247:2018)

HZN/TO 138, Plastične cijevi, spojnice i ventili za prijenos tekućina

HRN EN ISO 21225-1:2018 en pr
Plastični cijevni sustavi za zamjenu podzemnih cjevovoda bez kopanja kanala – 1. dio: Zamjena cjevovoda lomljenjem i izvlačenjem cijevi (ISO 21225-1:2018; EN ISO 21225-1:2018)
Plastics piping systems for the trenchless replacement of underground pipeline networks – Part 1: Replacement on the line by pipe bursting and pipe extraction (ISO 21225-1:2018; EN ISO 21225-1:2018)

HRN EN ISO 21225-2:2018 en pr
Plastični cijevni sustavi za zamjenu podzemnih cjevovoda bez kopanja kanala – 2. dio: Zamjena cjevovoda usmjerenim horizontalnim bušenjem i udarnim bušenjem (ISO 21225-2:2018; EN ISO 21225-2:2018)
Plastics piping systems for the trenchless replacement of underground pipeline networks – Part 2: Replacement off the line by horizontal directional drilling and impact muling (ISO 21225-2:2018; EN ISO 21225-2:2018)

HZN/TO 159, Ergonomija

HRN EN ISO 9241-11:2018 en pr
Ergonomija interakcije čovjek-sustav – 11. dio: Uporabljivost: Definicije i pojmovi (ISO 9241-11:2018; EN ISO 9241-11:2018)
Ergonomics of human-system interaction – Part 11: Usability: Definitions and concepts (ISO 9241-11:2018; EN ISO 9241-11:2018)

HZN/TO 178, Dizala, pokretne stube i pokretne trake za osobe

HRN EN 81-70:2018 en pr
Sigurnosna pravila za konstrukciju i ugradnju dizala – Posebna primjena za osobna dizala i osobna teretna dizala – 70. dio: Pristupačnost dizalima za osobe s posebnim potrebama (EN 81-70:2018)
Safety rules for the construction and installation of lifts – Particular applications for passenger and goods passenger lifts – Part 70: Accessibility to lifts for persons including persons with disability (EN 81-70:2018)

HZN/TO 196, Prirodni kamen

HRN EN 16954:2018 en pr
Kameni aglomerat – Ploče i proizvodi izrađeni po mjeri za podove i stube (unutrašnje i vanjske) (EN 16954:2018)
Agglomerated stone – Slabs and cut-to-size products for flooring and stairs (internal and external) (EN 16954:2018)

HZN/TO 503, Metalni materijali

HRN EN ISO 6892-2:2018 en pr
Metalni materijali – Vlačno ispitivanje – 2. dio: Metoda ispitivanja pri povišenoj temperaturi (ISO 6892-2:2018; EN ISO 6892-2:2018)
Metallic materials – Tensile testing – Part 2: Method of test at elevated temperature (ISO 6892-2:2018; EN ISO 6892-2:2018)

HRN EN 12861:2018 en pr
Bakar i bakrene legure – Metalni otpad (EN 12861:2018)
Copper and copper alloys – Scrap (EN 12861:2018)

HZN/TO 506, Materijali, oprema i konstrukcije za naftnu industriju, prirodni plin i geotermalnu vodu

HRN EN ISO 10426-1:2010/Ispr.2:2018 en pr
Industrija nafte i prirodnog plina – Cementi i materijali za cementaciju bušotina – 1. dio: Specifikacija – Tehnički ispravak 2 (ISO 10426-1:2009/Cor 2:2012; EN ISO 10426-1:2009/AC:2018)
Petroleum and natural gas industries – Cements and materials for well cementing – Part 1: Specification – Technical Corrigendum 2 (ISO 10426-1:2009/Cor 2:2012; EN ISO 10426-1:2009/AC:2018)

HZN/TO 517, Posebne vrste konstrukcija

HRN EN 15129:2018 en pr
Protupotesne naprave (EN 15129:2018)
Anti-seismic devices (EN 15129:2018)

HZN/TO 521, Usluge održavanja

HRN EN ISO 41001:2018 en pr
Upravljanje objektima i sustavima podrške – Sustavi upravljanja – Zahtjevi sa smjernicama za uporabu (ISO 41001:2018; EN ISO 41001:2018)
Facility management – Management systems – Requirements with guidance for use (ISO 41001:2018; EN ISO 41001:2018)

HRN EN ISO 41011:2018 en pr
Upravljanje objektima i sustavima podrške – Terminološki rječnik (ISO 41011:2017; EN ISO 41011:2018)
Facility management – Vocabulary (ISO 41011:2017; EN ISO 41011:2018)

HZN/TO 528, Oprema za željeznice

HRN EN 16951-1:2018 en pr
Željeznički sustav – Željeznički gornji ustroj – Zvučne zapreke i odgovarajući uređaji koji djeluju na rasprostiranje zvuka zrakom – Postupci za procjenjivanje dugoročne učinkovitosti – 1. dio: Akustična svojstva (EN 16951-1:2018)
Railway applications – Track – Noise barriers and related devices acting on airborne sound propagation – Procedures for assessing long term performance – Part 1: Acoustic characteristics (EN 16951-1:2018)

HZN/TO 531, *Plastika i guma*

HRI CEN/TR 17219:2018 en pr
Plastika – Biorazgradljivi plastomerni filmovi za malčiranje za uporabu u poljoprivredi i vrtlarstvu – Uputa za izračun izmjene filmova (CEN/TR 17219:2018)
Plastics – Biodegradable thermoplastic mulch films for use in agriculture and horticulture – Guide for the quantification of alteration of films (CEN/TR 17219:2018)

HZN/TO 532, *Dimnjaci*

HRN DIN V 18160-1/A1:2018 de pr
Dimnjaci – 1. dio: Projektiranje i izvedba – Nacionalni dodatak za metalne dimnjake prema normi DIN EN 1856-1, dimovode i priključne dimovode prema normi DIN EN 1856-2, dodatak za dopuštene materijale i upotrebu razreda otpornosti na koroziju (DIN V 18160-1 Dodatak 1:2015)
Abgasanlagen – Teil 1: Planung und Ausführung – Nationale Ergänzung zur Anwendung von Metall-Abgasanlagen nach DIN EN 1856-1, von Innenrohren und Verbindungsstücken nach DIN EN 1856-2, der Zulässigkeit von Werkstoffen und der Korrosionswiderstandsklassen (DIN V 18160-1 Beiblatt 1:2015)

HRN DIN V 18160-1/A2:2018 de pr
Dimnjaci – 1. dio: Projektiranje i izvedba – Dodatak 2: Nacionalni dodatak za upotrebu glineno/keramičkih dimovodnih cijevi prema normi DIN EN 1457-1 i normi DIN EN 1457-2, dodjeljivanje klasifikacijskog sustava za montažne dimnjake (DIN V 18160-1 Dodatak 2:2016)
Abgasanlagen – Teil 1: Planung und Ausführung – Beiblatt 2: Nationale Ergänzung zur Anwendung von Keramik-Innenschalen nach DIN EN 1457-1 und DIN EN 1457-2, Zuordnung der Kennzeichnungsklassen für Montage-Abgasanlagen (DIN V 18160-1 Beiblatt 2:2016)

HRN DIN V 18160-1/A3:2018 de pr
Dimnjaci – 1. dio: Projektiranje i izvedba – Dodatak 3: Nacionalni dodatak za upotrebu sustava dimnjaka s plastičnim dimovodnim cijevima prema normi DIN EN 14471 (DIN V 18160-1 Dodatak 3:2009)
Abgasanlagen – Teil 1: Planung und Ausführung – Beiblatt 3: Nationale Ergänzung zur Anwendung von System-Abgasanlagen mit Kunststoffinnenrohren nach DIN EN 14471 (DIN V 18160-1 Beiblatt 3:2009)

HRN DIN V 18160-1:2018 de pr
Dimnjaci – 1. dio: Projektiranje i izvedba (DIN V 18160-1:2006)
Abgasanlagen – Teil 1: Planung und Ausführung (DIN V 18160-1:2006)

HZN/TO 533, *Kolničke konstrukcije*

HRS CEN/TS 12697-50:2018 en pr
Bitumenske mješavine – Metode ispitivanja – 50. dio: Otpornost na habanje (CEN/TS 12697-50:2018)
Bituminous mixtures – Test methods – Part 50: Resistance to scuffing (CEN/TS 12697-50:2018)

HRN EN 13880-10:2018 en pr
Vruće brtvne mase – 10. dio: Metoda ispitivanja za određivanje adhezije i kohezije pri neprekidnom rastezanju i stlačivanju (EN 13880-10:2018)
Hot applied joint sealants – Part 10: Test method for the determination of adhesion and cohesion following continuous extension and compression (EN 13880-10:2018)

HZN/TO 537, *Tehnički crteži, dimenzijske i geometrijske specifikacije, opis proizvoda i odgovarajuća dokumentacija*

HRN EN ISO 5458:2018 en pr
Geometrijske specifikacije proizvoda (GSP) – Geometrijske tolerancije – Specifikacija uzoraka i kombinirana geometrijska specifikacija (ISO 5458:2018; EN ISO 5458:2018)
Geometrical product specifications (GPS) – Geometrical tolerancing – Pattern and combined geometrical specification (ISO 5458:2018; EN ISO 5458:2018)

HZN/TO 555, *Medicinski proizvodi*

HRN EN ISO 10993-11:2018 en pr
Biolška procjena medicinskih proizvoda – 11. dio: Ispitivanja za sustavnu toksičnost (ISO 10993-11:2017; EN ISO 10993-11:2018)
Biological evaluation of medical devices – Part 11: Tests for systemic toxicity (ISO 10993-11:2017; EN ISO 10993-11:2018)

HZN/TO 558, *Zaštita dišnih putova*

HRN EN 14593-1:2018 en pr
Zaštitne naprave za disanje – Cijevni uređaji za disanje sa stlačenim zrakom s plućnim automatom – 1. dio: Uređaji s maskom za cijelo lice – Zahtjevi, ispitivanje, označavanje (EN 14593-1:2018)
Respiratory protective devices – Compressed air line breathing devices with demand valve – Part 1: Devices with a full face mask – Requirements, testing and marking (EN 14593-1:2018)

HRN EN 14594:2018 en pr
Zaštitne naprave za disanje – Cijevni uređaji za disanje sa stalnim dotokom stlačenog zraka – Zahtjevi, ispitivanje i označavanje (EN 14594:2018)
Respiratory protective devices – Continuous flow compressed air line breathing devices – Requirements, testing and marking (EN 14594:2018)

HZN/TO 560, *Tekstilni proizvodi*

HRN EN ISO 811:2018 en pr
Tekstil – Određivanje otpornosti na prodiranje vode – Ispitivanje s hidrostatskim tlakom (ISO 811:2018; EN ISO 811:2018)
Textile – Determination of resistance to water penetration – Hydrostatic pressure test (ISO 811:2018; EN ISO 811:2018)

HRN EN ISO 3175-4:2018 en pr
Tekstil – Profesionalna njega, kemijsko čišćenje i mokro čišćenje plošnih tekstila i odjevnih predmeta – 4. dio: Postupak za ispitivanje učinka čišćenja i oplemenjivanja u simuliranom mokrom čišćenju (ISO 3175-4:2018; EN ISO 3175-4:2018)
Textiles – Professional care, drycleaning and wetcleaning of fabrics and garments – Part 4: Procedure for testing performance when cleaning and finishing using simulated wetcleaning (ISO 3175-4:2018; EN ISO 3175-4:2018)

HRN EN ISO 15496:2018 en pr
Tekstil – Mjerenje propusnosti vodene pare tekstila za kontrolu kvalitete (ISO 15496:2018; EN ISO 15496:2018)
Textiles – Measurement of water vapour permeability of textiles for the purpose of quality control (ISO 15496:2018; EN ISO 15496:2018)

HRN EN ISO 20418-1:2018 en pr
Tekstil – Kvalitativna i kvantitativna analiza proteina nekih vlakana životinjskog porijekla – 1. dio: Detekcija peptida uz pomoć LC-ESI-MS uz smanjenje proteina (ISO 20418-1:2018; EN ISO 20418-1:2018)
Textiles – Qualitative and quantitative proteomic analysis of some animal hair fibres – Part 1: Peptide detection using LC-ESI-MS with protein reduction (ISO 20418-1:2018; EN ISO 20418-1:2018)

HZN/TO 561, *Kotlovi, posude pod tlakom, cjevovodi i plinske boce*

HRN EN 13445-2:2014/A2:2018 en pr
Neložene tlačne posude – 2. dio: Materijali (EN 13445-2:2014/A2:2018)
Unfired pressure vessels – Part 2: Materials (EN 13445-2:2014/A2:2018)

HZN/TO 562, *Alatni strojevi i alati*

HRN EN ISO 19085-3:2018 en pr
Strojevi za obradu drveta – Sigurnost – 3. dio: Numeričko upravljani strojevi (NC) za bušenje i vođenje po krivulji (ISO 19085-3:2017; EN ISO 19085-3:2017)
Woodworking machines – Safety requirements – Part 3: Numerically controlled (NC) boring and routing machines (ISO 19085-3:2017; EN ISO 19085-3:2017)

HZN/TO 568, *Analiza hrane – horizontalne metode, mikrobiologija, posude i pribor u kontaktu s hranom*

HRN EN 15662:2018 en pr
Hrana biljnog podrijetla – Multirezidualna metoda za određivanje ostataka pesticida primjenom plinske i tekućinske kromatografije nakon ekstrakcije acetonitrilom i pročišćavanja disperzivnom ekstrakcijom na čvrstoj fazi (SPE) – Modularna metoda QuEChERS (EN 15662:2018)
Foods of plant origin – Multimethod for the determination of pesticide residues using GC- and LC-based analysis following acetonitrile extraction/partitioning and clean-up by dispersive SPE – Modular QuEChERS-method (EN 15662:2018)

HZN/TO 577, Metode ispitivanja za karakterizaciju krutih i tekućih sastavnica i opterećenja okoliša

HRN EN 16181:2018 en pr
Tlo, obrađeni biootpad i mulj – Određivanje policikličkih aromatskih ugljikovodika (PAU), plinskom kromatografijom (GC) i tekućinskom kromatografijom visokog učinka (HPLC) (EN 16181:2018)
Soil, treated biowaste and sludge – Determination of polycyclic aromatic hydrocarbons (PAH) by gas chromatography (GC) and high performance liquid chromatography (HPLC) (EN 16181:2018)

HZN/TO E14, Energetski transformatori

HRN EN 60076-3:2014/A1:2018 en pr
Energetski transformatori – 3. dio: Izolacijske razine, dielektrična ispitivanja i vanjski razmaci u zraku (IEC 60076-3:2013/am1:2018; EN 60076-3:2013/A1:2018)
Power transformers – Part 3: Insulation levels, dielectric tests and external clearances in air (IEC 60076-3:2013/am1:2018; EN 60076-3:2013/A1:2018)

HZN/TO E23, Električni instalacijski pribor

HRN EN 50642:2018 en pr
Sustavi za vođenje kabela – Metoda ispitivanja udjela halogena (EN 50642:2018)
Cable management systems – Test method for content of halogens (EN 50642:2018)

HRN EN IEC 61058-1:2018 en pr
Sklopke za aparate – 1. dio: Opći zahtjevi (IEC 61058-1:2016; EN IEC 61058-1:2018)
Switches for appliances – Part 1: General requirements (IEC 61058-1:2016; EN IEC 61058-1:2018)

HZN/TO E31, Eksplozivne atmosfere

HRN EN 17077:2018 en pr
Određivanje ponašanja slojeva prašine pri gorenju (EN 17077:2018)
Determination of burning behaviour of dust layers (EN 17077:2018)

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

HRN EN 60061-4:2008/A16:2018 en pr
Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 4. dio: Smjernice i opće informacije (IEC 60061-4:1990/am16:2018; EN 60061-4:1992/A16:2018)
Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 4: Guidelines and general information (IEC 60061-4:1990/am16:2018; EN 60061-4:1992/A16:2018)

HRN EN 60570:2009/A1:2018 en pr
Tračni sustavi električnoga napajanja za svjetiljke (IEC 60570:2003/am1:2017; EN 60570:2003/A1:2018)
Electrical supply track systems for luminaires (IEC 60570:2003/am1:2017; EN 60570:2003/A1:2018)

HRN EN IEC 62386-207:2018 en pr
Digitalno upravljanje rasvjetom – 207. dio: Posebni zahtjevi za predspojne naprave – Moduli za svjetleće diode (uređaji tipa 6) (IEC 62386-207:2018; EN IEC 62386-207:2018)
Digital addressable lighting interface – Part 207: Particular requirements for control gear – LED modules (device type 6) (IEC 62386-207:2018; EN IEC 62386-207:2018)

HRN EN IEC 62386-217:2018 en pr
Digitalno upravljanje rasvjetom – 217. dio: Posebni zahtjevi za predspojne naprave – Toplinska zaštita predspojne naprave (tip uređaja 16) (IEC 62386-217:2018; EN IEC 62386-217:2018)
Digital addressable lighting interface – Part 217: Particular requirements for control gear – Thermal gear protection (device type 16) (IEC 62386-217:2018; EN IEC 62386-217:2018)

HRN EN IEC 62386-218:2018 en pr
Digitalno upravljanje rasvjetom – 218. dio: Posebni zahtjevi za predspojne naprave – Izbor krivulje prigušivanja (tip uređaja 17) (IEC 62386-218:2018; EN IEC 62386-218:2018)
Digital addressable lighting interface – Part 218: Particular requirements for control gear – Dimming Curve Selection (device type 17) (IEC 62386-218:2018; EN IEC 62386-218:2018)

HRN EN IEC 62386-222:2018 en pr
Digitalno upravljanje rasvjetom – 222. dio: Posebni zahtjevi za predspojne naprave – Toplinska zaštita žarulje (tip uređaja 21) (IEC 62386-222:2018; EN IEC 62386-222:2018)
Digital addressable lighting interface – Part 222: Particular requirements for control gear – Thermal lamp protection (device type 21) (IEC 62386-222:2018; EN IEC 62386-222:2018)

HRN EN IEC 62386-224:2018 en pr
Digitalno upravljanje rasvjetom – 224. dio: Posebni zahtjevi za predspojne naprave – Izvori svjetla koji se ne mogu zamijeniti (tip uređaja 23) (IEC 62386-224:2018; EN IEC 62386-224:2018)
Digital addressable lighting interface – Part 224: Particular requirements for control gear – Non-replaceable light source (device type 23) (IEC 62386-224:2018; EN IEC 62386-224:2018)

HRN EN IEC 62386-333:2018 en pr
Digitalno upravljanje rasvjetom – 333. dio: Posebni zahtjevi za upravljačke uređaje – Ručna konfiguracija (tip značajke 33) (IEC 62386-333:2018; EN IEC 62386-333:2018)
Digital addressable lighting interface – Part 333: Particular requirements for control devices – Manual Configuration (feature type 33) (IEC 62386-333:2018; EN IEC 62386-333:2018)

HZN/TO E57, Upravljanje energetskim sustavom i pridružene komunikacije

HRN EN IEC 61968-3:2018 en pr
Integracija aplikacija u elektroprivredi – Sučelja za sustave upravljanja u distribuciji – 3. dio: Sučelje za upravljanje distribucijskom mrežom (IEC 61968-3:2017; EN IEC 61968-3:2018)
Application integration at electric utilities – System interfaces for distribution management – Part 3: Interface for network operations (IEC 61968-3:2017; EN IEC 61968-3:2018)

HRN EN IEC 61970-456:2018 en pr
Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – 456. dio: Riješeni profili stanja elektroenergetskog sustava (IEC 61970-456:2018; EN IEC 61970-456:2018)
Energy management system application program interface (EMS-API) – Part 456: Solved power system state profiles (IEC 61970-456:2018; EN IEC 61970-456:2018)

HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata

HRN EN 61770:2011/A11:2018 en pr
Električni aparati spojeni na vodovod – Izbjegavanje povratnog usisa i otkazivanja cijevnog priključka (EN 61770:2009/A11:2018)
Electric appliances connected to the water mains – Avoidance of backsiphonage and failure of hose-sets (EN 61770:2009/A11:2018)

HZN/TO E62, Električna oprema u medicinskoj praksi

HRN EN IEC 60601-2-2:2018 en pr
Medicinska električna oprema – Dio 2-2: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke visokofrekvencijskih kirurških uređaja i visokofrekvencijskih kirurških pribora (IEC 60601-2-2:2017; EN IEC 60601-2-2:2018)
Medical electrical equipment – Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories (IEC 60601-2-2:2017; EN IEC 60601-2-2:2018)

HRN EN 60601-2-43:2011/A1:2018 en pr
Medicinski električni uređaji – Dio 2-43: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke rendgenskih uređaja za intervencijske zahvate (IEC 60601-2-43:2010/am1:2017; EN 60601-2-43:2010/A1:2018)
Medical electrical equipment – Part 2-43: Particular requirements for basic safety and essential performance of X-ray equipment for interventional procedures (IEC 60601-2-43:2010/am1:2017; EN 60601-2-43:2010/A1:2018)

HZN/TO E64, Električne instalacije i zaštita od električnog udara

HRN HD 60364-7-704:2018 en pr
Niskonaponske električne instalacije – Dio 7-704: Zahtjevi za posebne instalacije ili prostore – Instalacije gradilišta i rušilišta (IEC 60364-7-704:2017; HD 60364-7-704:2018)
Low-voltage electrical installations – Part 7-704: Requirements for special installations or locations – Construction and demolition site installations (IEC 60364-7-704:2017; HD 60364-7-704:2018)

HZN/TO E65, Mjerenje, vođenje i automatizacija industrijskih procesa

HRN EN 62439-2:2018/Ispr.1:2018 en pr
Industrijske komunikacijske mreže – Automacijske mreže velike raspoloživosti – 2. dio: Protokol zalihosti sredstava (EN 62439-2:2017/AC:2018)
Industrial communication networks – High availability automation networks – Part 2: Media Redundancy Protocol (MRP) (EN 62439-2:2017/AC:2018)

HZN/TU I1, Strojarstvo 1

HRN EN 15895:2018 en pr
Nabojem pogonjeni ručni alati – Sigurnosni zahtjevi – Alati za pričvršćivanje i označavanje (EN 15895:2011+A1:2018)
Cartridge operated hand-held tools – Safety requirements – Fixing and hard marking tools (EN 15895:2011+A1:2018)

HZN/TU M1, Metalni materijali 1

HRN EN ISO 4490:2018 en pr
Metalni prah – Određivanje protoka pomoću umjernoga lijevka (Hallov mjerač protoka) (ISO 4490:2018; EN ISO 4490:2018)
Metallic powders – Determination of flow rate by means of a calibrated funnel (Hall flowmeter) (ISO 4490:2018; EN ISO 4490:2018)

HZN/TU S1, Zdravlje, okoliš i medicinska oprema 1

HRN EN ISO 6872:2015/A1:2018 en pr
Stomatologija – Keramički materijali (ISO 6872:2015/Amd 1:2018; EN ISO 6872:2015/A1:2018)
Dentistry – Ceramic materials (ISO 6872:2015/Amd 1:2018; EN ISO 6872:2015/A1:2018)

HRN EN ISO 7488:2018 en pr
Stomatologija – Uređaji za miješanje dentalnog amalgama (ISO 7488:2018; EN ISO 7488:2018)
Dentistry – Mixing machines for dental amalgam (ISO 7488:2018; EN ISO 7488:2018)

HRN EN ISO 14607:2018 en pr
Neaktivni kirurški implantati – Implantati za dojke – Posebni zahtjevi (ISO 14607:2018; EN ISO 14607:2018)
Non-active surgical implants – Mammary implants – Particular requirements (ISO 14607:2018; EN ISO 14607:2018)

HRN EN ISO 20608:2018 en pr
Stomatologija – Instrumenti i abrazivni prašci za pjeskarenje (ISO 20608:2018; EN ISO 20608:2018)
Dentistry – Powder jet handpieces and powders (ISO 20608:2018; EN ISO 20608:2018)

HRN EN ISO 28319:2018 en pr
Stomatologija – Lasersko zavarivanje i materijali za ispunu (ISO 28319:2018; EN ISO 28319:2018)
Dentistry – Laser welding and filler materials (ISO 28319:2018; EN ISO 28319:2018)

HZN/TU T1, Prijevoz, rukovanje materijalima i pakiranje 1

HRN EN 2234:2018 en pr
Zrakoplovstvo – Kabel, električni, otporan na vatru – Tehničke specifikacije (EN 2234:2018)
Aerospace series – Cable, electrical, fire resistant – Technical specification (EN 2234:2018)

HRN EN 2899:2018 en pr
Zrakoplovstvo – Vulkanizirane gume – Ispitivanje osjetljivosti na koroziju metala u dodiru s vulkaniziranim gumama u vlažnoj atmosferi (EN 2899:2018)
Aerospace series – Vulcanized rubbers – Test on the susceptibility to corrosion in a damp atmosphere of metals in contact with vulcanized rubbers (EN 2899:2018)

HRN EN 4122:2018 en pr
Zrakoplovstvo – Držač matica, samozatvarajući, od čelika otpornog na toplinu FE-PA2601 (A286), s navojem prevučeni srebrom – Klasifikacija: 1 100 MPa (pri temperaturi okoline)/650 °C (EN 4122:2018)
Aerospace series – Shank nuts, self-locking, in heat resisting steel FE-PA2601 (A286), silver plated on thread – Classification: 1 100 MPa (at ambient temperature) / 650 °C (EN 4122:2018)

HRN EN 4123:2018 en pr
Zrakoplovstvo – Držač matica, samozatvarajući, legura na bazi nikla otporna na toplinu NI-PH2601 (Inconel 718), s navojem prevučeni srebrom – Klasifikacija: 1 550 MPa (pri temperaturi okoline)/600 °C (EN 4123:2018)
Aerospace series – Shank nuts, self-locking, in heat resisting nickel base alloy NI-PH2601 (Inconel 718), silver plated on thread – Classification: 1 550 MPa (at ambient temperature)/600 °C (EN 4123:2018)

HRN EN 4124:2018 en pr
Zrakoplovstvo – Držač matica, samozatvarajući, legura na bazi nikla otporna na toplinu NI-PH1302 (Waspaloy), s navojem prevučeni srebrom, za 60° kalup – Klasifikacija: 1 210 MPa (pri temperaturi okoline)/730 °C (EN 4124:2018)
Aerospace series – Shank nuts, self-locking, in heat resisting nickel base alloy NI-PH1302 (Waspaloy), silver plated on thread, for 60° swage – Classification: 1 210 MPa (at ambient temperature) / 730 °C (EN 4124:2018)

HRN EN 4708-301:2018 en pr
Zrakoplovstvo – Navlake koje se sužavaju prilikom izlaganja toplini, za omotavanje, izolaciju i označavanje – Dio 301: Adhezivne obloge poliolefinskih navlaka – Radne temperature od -55 °C do 175 °C – Norma za proizvod (EN 4708-301:2018)
Aerospace series – Sleeving, heat-shrinkable, for binding, insulation and identification – Part 301: Adhesive lined polyolefin sleeveings – Operating temperature -55 °C to 105 °C – Product Standard (EN 4708-301:2018)

HRN EN 4731:2018 en pr
Zrakoplovstvo – Kvaliteta spektra LED svjetiljki koje se upotrebljavaju s fotoluminiscencijskim sustavom obilježavanja (EN 4731:2018)
Aerospace series – Spectral quality of LED luminaires used with photoluminescent marking systems (EN 4731:2018)

HRN EN 9100:2018 en pr
Sustavi upravljanja kvalitetom – Zahtjevi za organizacije u području zrakoplovstva, svemira i obrane (EN 9100:2018)
Quality Management Systems – Requirements for Aviation, Space and Defense Organizations (EN 9100:2018)

HRN EN 9101:2018 en pr
Sustavi upravljanja kvalitetom – Zahtjevi za audit za organizacije u području zrakoplovstva, svemira i obrane (EN 9101:2018)
Quality Management Systems – Audit Requirements for Aviation, Space, and Defence Organisations (EN 9101:2018)

HRN EN 9110:2018 en pr
Sustavi upravljanja kvalitetom – Zahtjevi za organizacije koje održavaju zrakoplove (EN 9110:2018)
Quality Management Systems – Requirements for Aviation Maintenance Organizations (EN 9110:2018)

HRN EN 9120:2018 en pr
Sustavi upravljanja kvalitetom – Zahtjevi za dobavljače u području zrakoplovstva, svemira i obrane (EN 9120:2018)
Quality Management Systems – Requirements for Aviation, Space and Defence Distributors (EN 9120:2018)

HRN EN 9136:2018 en pr
Zrakoplovstvo – Analiza uzorka i rješavanje problema (metodologija 9S) (EN 9136:2018)
Aerospace series – Root cause analysis and problem solving (9S Methodology) (EN 9136:2018)

HRN EN 16842-1:2018 en pr
Industrijska vozila na motorni pogon – Vidljivost – Metoda ispitivanja za verifikaciju – 1. dio: Opći zahtjevi (EN 16842-1:2018)
Powered industrial trucks – Visibility – Test method for verification – Part 1: General requirements (EN 16842-1:2018)

HRN EN 16842-2:2018 en pr
Industrijska vozila na motorni pogon – Vidljivost – Metode ispitivanja i verifikacija – 2. dio: Čeoni viličari i viličari za teške terene s jarbolom sa sjedalom za vozača kapaciteta do i uključujući 10 000 kg (EN 16842-2:2018)
Powered industrial trucks – Visibility – Test method for verification – Part 2: Sit-on counter balanced trucks and rough terrain masted trucks up to and including 10 000 kg capacity (EN 16842-2:2018)

HZN/TU U1, *Opća elektrotehnika 1*

HRN EN IEC 60068-2-5:2018 en pr
Ispitivanje utjecaja okoliša – Dio 2-5: Ispitivanja – S Ispitivanje:
Simulirano solarno zračenje na razini tla i uputa za
ispitivanje solarnog zračenja (IEC 60068-2-5:2018;
EN IEC 60068-2-5:2018)
Environmental testing – Part 2-5: Tests – Test S: Simulated
solar radiation at ground level and guidance for solar
radiation testing and weathering (IEC 60068-2-5:2018;
EN IEC 60068-2-5:2018)

HRN EN IEC 60721-2-7:2018 en pr
Klasifikacija uvjeta okoliša – 2. dio: Radni uvjeti
koji se pojavljuju u prirodi – Biljni i životinjski svijet
(IEC 60721-2-7:2018; EN IEC 60721-2-7:2018)
Classification of environmental conditions – Part 2:
Environmental conditions appearing in nature, Fauna and
flora (IEC 60721-2-7:2018; EN IEC 60721-2-7:2018)

HZN/TU V1, *Elektronika 1*

HRN EN 50090-3-4:2017/Ispr.1:2018 en pr
Home and Building Electronic Systems (HBES) – Part 3-4:
Secure Application Layer, Secure Service, Secure configuration
and security Resources (EN 50090-3-4:2017/AC:2018)

HRN EN 60191-4:2014/A1:2018 en pr
Mechanical standardization of semiconductor devices
– Part 4: Coding system and classification into forms of
package outlines for semiconductor device packages
(IEC 60191-4:2013/am1:2018; EN 60191-4:2014/A1:2018)

HRN EN IEC 61730-1:2018/Ispr.1:2018 en pr
Kvalifikacija sigurnosti fotonaponskog (PV) modula – 1. dio:
Zahtjevi za konstrukciju (EN IEC 61730-1:2018/AC:2018)
Photovoltaic (PV) module safety qualification – Part 1:
Requirements for construction (EN IEC 61730-1:2018/AC:2018)

HRN EN IEC 61730-2:2018/Ispr.1:2018 en pr
Svojstvo sigurnosti fotonaponskog modula – 2. dio: Zahtjevi
za ispitivanje (EN IEC 61730-2:2018/AC:2018)
Photovoltaic (PV) module safety qualification – Part 2:
Requirements for testing (EN IEC 61730-2:2018/AC:2018)

HRN EN IEC 62228-1:2018 en pr
Integrirani krugovi – Procjena elektromagnetske
kompatibilnosti (EMC) primopredajnika – 1. dio: Opći uvjeti i
definicije (IEC 62228-1:2018; EN IEC 62228-1:2018)
Integrated Circuits – EMC evaluation of transceivers
– Part 1: General conditions and definitions (IEC 62228-1:2018;
EN IEC 62228-1:2018)

HRN EN IEC 62884-3:2018 en pr
Tehnike mjerenja piezoelektričnih, dielektričnih i
elektrostatičnih oscilatora – 3. dio: Metode ispitivanja
promjene frekvencije s vremenom (IEC 62884-3:2018;
EN IEC 62884-3:2018)
Measurement techniques of piezoelectric, dielectric and
electrostatic oscillators – Part 3: Frequency aging test
methods (IEC 62884-3:2018; EN IEC 62884-3:2018)

HRN EN IEC 63093-7:2018 en pr
Feritne jezgre – Smjernice za dimenzije i granice površinskih
nepravilnosti – 7. dio: EER jezgre (IEC 63093-7:2018;
EN IEC 63093-7:2018)
Ferrite cores – Guidelines on dimensions and the limits of
surface irregularities – Part 7: EER-cores (IEC 63093-7:2018;
EN IEC 63093-7:2018)

1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

Temeljem Zakona o normizaciji (Narodne novine 80/2013) Hrvatski
zavod za norme na prijedlog tehničkih odbora objavljuje raspravu o
prijedlogu za prihvaćanje stranih norma (međunarodnih, europskih i
njemačkih norma) kao hrvatskih norma.

Pisane primjedbe na prijedloge za prihvaćanje norma dostavljaju
se Hrvatskome zavodu za norme (uz naznaku tehničkog odbora
i referencijsku oznaku norme) u roku od 30 dana od dana objave
rasprave u službenom glasilu Hrvatskoga zavoda za norme
(HZN e-glasilo).

HZN/TO 28, *Naftni proizvodi i maziva*

prEN ISO 22995 en
Petroleum products – Determination of cloud point
– Automated step-wise cooling method (ISO/DIS 22995:2018)

HZN/TO 69, *Primjena statističkih metoda*

ISO 39511:2018 en
Sequential sampling plans for inspection by variables for
percent nonconforming (known standard deviation)
Planovi sekvencijskog uzorkovanja pri pregledu po varijablama
za postotnu neusklađenost (za poznato standardno
odstupanje)

HZN/TO 135, *Nerazorna ispitivanja*

prEN ISO 15549 en
Non-destructive testing – Eddy current testing – General
principles (ISO/DIS 15549:2018)
Nerazorno ispitivanje – Ispitivanje vrtložnim strujama – Opća
načela (ISO/DIS 15549:2018)

HZN/TO 181, *Sigurnost igraćaka i proizvodi za djecu*

prEN 71-3 en
Safety of toys – Part 3: Migration of certain elements
Sigurnost igraćaka – 3. dio: Opuštanje određenih elemenata

prEN 1466 en
Child use and care articles – Carry cots and stands – Safety
requirements and test methods
Proizvodi za dojenčad i malu djecu – Nosiljke i postolja
– Sigurnosni zahtjevi i metode ispitivanja

HZN/TO 207, *Upravljanje okolišem*

prEN ISO 14090 en
Adaptation to climate change – Principles, requirements and
guidelines (ISO/DIS 14090:2018)
Prilagodba klimatskim promjenama – Načela, zahtjevi i
smjernice (ISO/DIS 14090:2018)

HZN/TO 502, *Plinski uređaji*

prEN 613 en
Independent closed-fronted gas-fired type B11, type C11,
type C31 and type C91 heaters

HZN/TO 503, *Metalni materijali*

EN 10216-2:2013/prA1 en
Seamless steel tubes for pressure purposes – Technical
delivery conditions – Part 2: Non-alloy and alloy steel tubes
with specified elevated temperature properties
Bešavne čelične cijevi za tlačne namjene – Tehnički uvjeti
isporuke – 2. dio: Cijevi od nelegiranih i legiranih čelika s
utvrđenim svojstvima pri povišenim temperaturama

prEN 17263 en
Copper and copper alloys – Eddy current testing on the outer
surface of rods, bars, hollow rods and wires for the detection
of defects by encircling test coil
Bakar i legure bakra – Ispitivanje vrtložnim strujama na
vanjskoj površini šipki, šupljih šipki i žica za otkrivanje grešaka
obuhvatnom ispitnom zavojnicom

HZN/TO 508, Ambalaža i pakiranje

prEN ISO 12821 en
Glass packaging – 26 H 180 crown finish – Dimensions (ISO/DIS 12821:2018)
Staklena ambalaža – Krunsko grlo 26 H 180 – Dimenzije (ISO/DIS 12821:2018)

HZN/TO 513, Mjerne jedinice i mjerila

ISO 21501-4:2018 en
Determination of particle size distribution – Single particle light interaction methods – Part 4: Light scattering airborne particle counter for clean spaces
Određivanje raspodjele veličine čestica – Interakcijske metode osvjjetljenja pojedinačne čestice – 4. dio: Brojač čestica u zraku pomoću raspršenja svjetlosti u čistim prostorima

HZN/TO 528, Oprema za željeznice

EN 15663:2017/prA1 en
Railway applications – Vehicle reference masses
Željeznički sustav – Referentne mase vozila

HZN/TO 529, Granici, dizalice i prenosila neprekidne dobave

prEN 13001-3-8 en
Cranes – General design – Part 3-8: Limit states and proof competence of machinery – Shafts
Granici – Osnove projektiranja – Dio 3-1: Granična stanja i dokaz sigurnosti za strojeve – Vratila

prEN 14439 en
Cranes – Tower cranes
Granici – Toranjski granici

prEN 17076 en
Tower cranes – Anti-collision systems – Safety requirements
Toranjski granici – Protusudarni sustavi – Sigurnosni zahtjevi

HZN/TO 533, Kolničke konstrukcije

prEN 12697-22 en
Bituminous mixtures – Test methods – Part 22: Wheel tracking
Bitumenske mješavine - Metode ispitivanja – 22. dio: Kolotraženje

HZN/TO 536, Vrata, prozori i staklo u graditeljstvu

prEN 14500 en
Blinds and shutters – Thermal and visual comfort – Test and calculation methods
Sjenila i zasloni – Toplinska i vizualna udobnost – Ispitivanje i proračunske metode

prEN 14501 en
Blinds and shutters – Thermal and visual comfort – Performance characteristics and classification
Sjenila i zasloni – Toplinska i vizualna udobnost – Izvedbene značajke i razredba

prEN 17257-1 en
Glass in building – Acid etched glass – Part 1: Definitions and description
Staklo u graditeljstvu – Kiselinom jetkano staklo – 1. dio: Definicije i opis

prEN 17257-2 en
Glass in building – Acid etched glass – Part 2: Product standard
Staklo u graditeljstvu – Kiselinom jetkano staklo – 2. dio: Norma za proizvod

prEN 17258-1 en
Glass in building – Sand blasted glass – Part 1: Definition and description
Staklo u graditeljstvu – Pjeskareno staklo – 1. dio: Definicije i opis

prEN 17258-2 en
Glass in building – Sand blasted glass – Part 2: Product standard
Staklo u graditeljstvu – Pjeskareno staklo – 2. dio: Norma za proizvod

HZN/TO 537, Tehnički crteži, dimenzijske i geometrijske specifikacije, opis proizvoda i odgovarajuća dokumentacija

prEN ISO 25178-73 en
Geometrical product specifications (GPS) – Surface texture: Areal – Part 73: Material measures – Terms and definitions for surface defects (ISO/DIS 25178-3:2018)

HZN/TO 539, Kemijski dezinficijensi i antiseptici

prEN 1276 en
Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas – Test method and requirements (phase 2, step 1)
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu baktericidne djelotvornosti kemijskih dezinficijensa i antiseptika koji se upotrebljavaju u područjima povezanim s hranom, u industriji, domaćinstvu i ustanovama – Metoda ispitivanja i zahtjevi (faza 2, korak 1)

prEN 1650 en
Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas – Test method and requirements (phase 2, step 1)
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu fungicidne djelotvornosti ili djelotvornosti na kvasce kemijskih dezinficijensa i antiseptika koji se upotrebljavaju u područjima povezanim s hranom, u industriji, domaćinstvu i ustanovama – Metoda ispitivanja i zahtjevi (faza 2, korak 1)

EN 13697:2015/prA1 en
Chemical disinfectants and antiseptics – Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas – Test method and requirements without mechanical action (phase 2, step 2)
Kemijski dezinficijensi i antiseptici – Kvantitativni test na neporoznoj površini za procjenu baktericidne i/ili fungicidne djelotvornosti kemijskih dezinficijensa i antiseptika koji se upotrebljavaju u područjima povezanim s hranom, u industriji, domaćinstvu i ustanovama – Metoda ispitivanja i zahtjevi bez mehaničkog djelovanja (faza 2, korak 2)

HZN/TO 541, Sustavi grijanja, ventilacije i klimatizacije u građevinama

prEN ISO 12759-4 en
Fans – Efficiency classification for fans – Part 4: Driven fans at maximum operating speed (ISO/DIS 12759-4:2018)
Ventilatori – Razredba učinkovitosti ventilatora – 4. dio: Pogon ventilatora pri maksimalnoj radnoj brzini (ISO/DIS 12759-4:2018)

HZN/TO 556, Osobna zaštitna oprema

prEN ISO 16321-1 en
Eye and face protection for occupational use – Part 1: General requirements (ISO/DIS 16321-1:2018)
Štitnici za oči i lice za profesionalnu upotrebu – 1. dio: Općeniti zahtjevi (ISO/DIS 16321-1:2018)

prEN ISO 16321-2 en
Eye and face protection for occupational use – Part 2: Additional requirements for protectors used during welding and related techniques (ISO/DIS 16321-2:2018)
Štitnici za oči i lice za profesionalnu upotrebu – 2. dio: Dodatni zahtjevi za štitnike koji se upotrebljavaju pri zavarivanju i srodnim postupcima (ISO/DIS 16321-2:2018)

prEN ISO 16321-3 en
Eye and face protection for occupational use – Part 3: Additional requirements for mesh protectors (ISO/DIS 16321-3:2018)
Štitnici za oči i lice za profesionalnu upotrebu – 3. dio: Dodatni zahtjevi za mrežaste štitnike (ISO/DIS 16321-3:2018)

prEN ISO 18526-1 en
Eye and face protection – Test methods – Part 1: Geometrical optical properties (ISO/DIS 18526-1:2018)
Štitnici za oči i lice – Metode ispitivanja – 1. dio: Geometrijske optičke osobine (ISO/DIS 18526-1:2018)

prEN ISO 18526-2 en
Eye and face protection – Test methods – Part 2 : Physical optical properties (ISO/DIS 18526-2:2018)
Štitnici za oči i lice – Metode ispitivanja – 2. dio: Fizikalne optičke osobine (ISO/DIS 18526-2:2018)

prEN ISO 18526-3 en
Eye and face protection – Test methods – Part 3: Physical and mechanical properties (ISO/DIS 18526-3:2018)
Štitnici za oči i lice – Metode ispitivanja – 3. dio: Fizikalne i mehaničke osobine (ISO/DIS 18526-3:2018)

prEN ISO 18526-4 en
Eye and face protection – Test methods – Part 4: Headforms (ISO/DIS 18526-4:2018)
Štitnici za oči i lice – Metode ispitivanja – 4. dio: Modeli glave (ISO/DIS 18526-4:2018)

prEN ISO 18527-1 en
Eye and face protectors for sports use – Part 1 – Requirements for downhill skiing and snow-boarding goggles (ISO/DIS 18527-1:2018)
Štitnici za oči i lice za sportsku upotrebu – 1. dio: Zahtjevi za naočale za skijaški spust i daskanje na snijegu (ISO/DIS 18527-1:2018)

prEN ISO 18527-2 en
Eye and face protectors for sports use – Part 2 – Requirements for eye protectors for squash and eye protectors for racquetball and squash 57 (ISO/DIS 18527-2:2018)
Štitnici za oči i lice za sportsku upotrebu – 2. dio: Zahtjevi za štitnike za oči za squash i štitnike za oči za racquetball i squash 57 (ISO/DIS 18527-2:2018)

HZN/TO 561, *Kotlovi, posude pod tlakom, cjevovodi i plinske boce*

prEN ISO 9809-1 en
Gas cylinders – Design, construction and testing of refillable seamless steel gas cylinders and tubes – Part 1: Quenched and tempered steel cylinders and tubes with tensile strength less than 1 100 MPa (ISO/DIS 9809-1:2018)
Plinske boce – Projektiranje, konstruiranje i ispitivanje ponovo punjivih bešavnih čeličnih plinskih boca i cilindričnih spremnika – 1. dio: Boce i cilindrični spremnici od poboljšanog čelika s vlačnom čvrstoćom manjom od 1100 MPa (ISO/DIS 9809-1:2018)

prEN ISO 9809-2 en
Gas cylinders – Design, construction and testing of refillable seamless steel gas cylinders and tubes – Part 2: Quenched and tempered steel cylinders and tubes with tensile strength greater than or equal to 1 100 MPa (ISO/DIS 9809-2:2018)
Plinske boce – Projektiranje, konstruiranje i ispitivanje ponovo punjivih bešavnih čeličnih plinskih boca i cilindričnih spremnika – 2. dio: Boce i cilindrični spremnici od poboljšanog čelika s vlačnom čvrstoćom većom od 1100 MPa (ISO/DIS 9809-2:2018)

prEN ISO 9809-3 en
Gas cylinders – Design, construction and testing of refillable seamless steel gas cylinders and tubes – Part 3: Normalized steel cylinders and tubes (ISO/DIS 9809-3:2018)
Plinske boce – Projektiranje, konstruiranje i ispitivanje ponovo punjivih bešavnih, čeličnih plinskih boca i cilindričnih spremnika – 3. dio: Boce i cilindrični spremnici od normaliziranog čelika (ISO/DIS 9809-3:2018)

EN 13480-6:2017/prA1 en
Metallic industrial piping – Part 6: Additional requirements for buried piping
Metalni industrijski cjevovodi – 6. dio: Dodatni zahtjevi za ukopane cjevovode

HZN/TO 563, *Sigurnost strojeva*

prEN ISO 22291 en
Safety requirements for wetlaid-nonwoven machinery (ISO/DIS 22291:2018)

HZN/TO 568, *Analiza hrane – horizontalne metode, mikrobiologija, posuđe i pribor u kontaktu s hranom*

prEN 15633-1 en
Foodstuffs – Detection of food allergens by immunological methods – Part 1: General considerations
Hrana – Dokazivanje alergena u hrani imunološkim metodama – 1. dio: Opća razmatranja

prEN 15634-1 en
Foodstuffs – Detection of food allergens by molecular biological methods – Part 1: General considerations
Hrana – Dokazivanje alergena u hrani molekularno biološkim metodama – 1. dio: Opća razmatranja

prEN 15634-2 en
Foodstuffs – Detection of food allergens by molecular biological methods – Part 2: Celery (*Apium graveolens*) – Detection of a specific DNA sequence in cooked sausages by real-time PCR

prEN 15842 en
Foodstuffs – Detection of food allergens – General considerations and validation of methods
Namirnice – Detekcija alergena u hrani – Opća razmatranja i validacija metoda

prEN 17254 en
Foodstuffs – Minimum performance requirements for determination of gluten by ELISA

prEN ISO 19036 en
Microbiology of the food chain – Estimation of measurement uncertainty for quantitative determinations (ISO/DIS 19036:2018)

HZN/TO 571, *Sport, igrališta i ostali rekreacijski sadržaji i oprema*

EN 1069-1:2017/prA1 en
Water slides – Part 1: Safety requirements and test methods
Vodeni tobogani – 1. dio: Sigurnosni zahtjevi i metode ispitivanja

HZN/TO E9, *Električna oprema za željeznicu*

prEN 62290-3:2018 en
Railway applications – Urban guided transport management and command/control systems – Part 3: System requirements specifications (IEC 62290-3:201X)

HZN/TO E17, *Sklopni i upravljački uređaji*

prEN 60947-5-2:2018 en
Low-voltage switchgear and controlgear – Part 5-2: Control circuit devices and switching elements – Proximity switches (IEC 60947-5-2:201X)
Niskonaponska sklopna aparatura – Dio 5-2: Aparati za upravljačke strujne krugove i sklopni elementi – Blizinske sklopke (IEC 60947-5-2:201X)

prEN 62271-108:2018 en
High-voltage switchgear and controlgear – Part 108: High-voltage alternating current disconnecting circuit-breakers for rated voltages above 52 kV (IEC 62271-108:201X)

HZN/TO E20, *Električni kabeli*

EN 50620:2017/prAA:2018 en
Electric cables – Charging cables for electric vehicles
Električni kabeli – Kabeli za punjenje električnih vozila

HZN/TO E31, *Eksplzivne atmosfere*

EN ISO/IEC 80079-38:2016/A1:2018 en
Explosive atmospheres – Part 38: Equipment and components in explosive atmospheres in underground mines
Eksplzivne atmosfere – 38. dio: Oprema i komponente u eksplozivnim atmosferama u podzemnim rudnicima

HZN/TO E55, *Žice za namote*

EN 60317-0-1:2014/prA1:2018 en
Specifications for particular types of winding wires – Part 0-1: General requirements – Enamelled round copper wire (IEC 60317-0-1:2013/am1:201X)
Specifikacije pojedinih vrsta žica za namote – Dio 0-1: Opći zahtjevi – Okrugla bakrena lakirana žica (IEC 60317-0-1:2013/am1:201X)

EN 60317-0-3:2008/prA2:2018 en
Specifications for particular types of winding wires – Part 0-3: General requirements – Enamelled round aluminium wire (IEC 60317-0-3:2008/am2:201X)
Specifikacije pojedinih vrsta žica za namote – Dio 0-3: Opći zahtjevi – Okrugla aluminijaska lakirana žica (IEC 60317-0-3:2008/am2:201X)

prEN 60317-80:2018 en
Specifications for particular types of winding wires – Part 80:
Polyvinyl acetal enamelled rectangular copper wire, class
120, with a bonding layer (IEC 60317-80:201X)

HZN/TO E65, Mjerenje, vođenje i automatizacija industrijskih procesa

prEN 62769-1:2018 en
Field device integration (FDI) – Part 1: Overview (IEC 62769-1:201X)
Integracija uređaja u postrojenju (FDI) – 1. dio: Pregled
(IEC 62769-1:201X)

prEN 62769-2:2018 en
Field Device Integration (FDI) – Part 2: FDI Client
(IEC 62769-2:201X)
Integracija uređaja u postrojenju (FDI) – 2. dio: FDI klijent
(IEC 62769-2:201X)

prEN 62769-3:2018 en
Field Device Integration (FDI) – Part 3: FDI Server
(IEC 62769-3:201X)

prEN 62769-4:2018 en
Field Device Integration (FDI) – Part 4: FDI Packages
(IEC 62769-4:201X)
Integracija uređaja u postrojenju (FDI) – 4. dio: FDI paketi
(IEC 62769-4:201X)

prEN 62769-5:2018 en
Field Device Integration (FDI) – Part 5: FDI Information Model
(IEC 62769-5:201X)
Integracija uređaja u postrojenju (FDI) – 5. dio: FDI
informacijski model (IEC 62769-5:201X)

prEN 62769-6:2018 en
Field Device Integration (FDI) – Part 6: FDI Technology
Mapping (IEC 62769-6:201X)
Integracija uređaja u postrojenju (FDI) – 6. dio: Tehnološko
preslikavanje (IEC 62769-6:201X)

prEN 62769-7:2018 en
Field Device Integration (FDI) – Part 7: FDI Communication
Devices (IEC 62769-7:201X)
Integracija uređaja u postrojenju (FDI) – 7. dio: Komunikacijski
uređaji (IEC 62769-7:201X)

HZN/TO E81, Zaštita od munje

prEN 62858:2018 en
Lightning density based on lightning location systems (LLS)
– General principles (IEC 62858:201X)
Određivanje gustoće udara munja na temelju sustava za
lociranje munja – Opća načela (IEC 62858:201X)

HZN/TO E88, Vjetroagregati

prEN 61004-5:2018 en
Wind energy generation systems – Part 5: Wind turbine rotor
blades (IEC 61400-5:201X)

HZN/TO E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama

EN 55016-1-4:2010/prA1:2018 en
Specification for radio disturbance and immunity measuring
apparatus and methods – Part 1-4: Radio disturbance
and immunity measuring apparatus – Antennas and
test sites for radiated disturbance measurements
(CISPR 16-1-4:2010/am1:201X {frag 1})
Specifikacija uređaja i metoda za mjerenja radiosmetnja
i otpornosti – Dio 1-4: Uređaji za mjerenje radiosmetnja i
otpornosti – Antene i ispitna mjesta za mjerenje zračenih
smetnja (CISPR 16-1-4:2010/am1:201X {frag 1})

prEN 61000-4-3:2018 en
Electromagnetic compatibility (EMC) – Part 4-3: Testing
and measurement techniques – Radiated, radiofrequency,
electromagnetic field immunity test (IEC 61000-4-3:201X)
Elektromagnetska kompatibilnost (EMC) – Dio 4-3:
Ispitne i mjerne tehnike – Ispitivanje otpornosti na
zračena radiofrekvencijska elektromagnetska polja
(IEC 61000-4-3:201X)

HZN/TO E501, Elektroakustika i ultrazvuk

prEN 60118-9:2018 en
Electroacoustics – Hearing aids – Part 9: Methods of
measurement of the performance characteristics of bone
conduction hearing aids (IEC 60118-9:201X)

prEN 60601-2-66:2018 en
Medical electrical equipment – Part 2-66: Particular
requirements for the basic safety and essential performance
of hearing instruments and hearing instrument systems
(IEC 60601-2-66:201X)
Medicinska električna oprema – Dio 2-66: Posebni zahtjevi za
osnovnu sigurnost i bitne radne značajke slušnih instrumenata
i sustava slušnih instrumenata (IEC 60601-2-66:201X)

HZN/TO E502, Elektrotehnički aspekti telekomunikacijske opreme

prEN 50600-1:2018 en
Information technology – Data centre facilities and
infrastructures – Part 1: General concepts
Informacijska tehnologija – Sredstva i infrastrukture
podatkovnih centara – 1. dio: Opći koncepti

prEN 50600-2-2:2018 en
Information technology – Data centre facilities and
infrastructures – Part 2-2: Power distribution
Informacijska tehnologija – Sredstva i infrastrukture
podatkovnih centara – Dio 2-2: Opskrba električnom
energijom

prEN 50600-2-3:2018 en
Information technology – Data centre facilities and
infrastructures – Part 2-3: Environmental control
Informacijska tehnologija – Sredstva i infrastrukture
podatkovnih centara – Dio 2-3: Kontrola okoline

HZN/TU A1, Usluge, proizvodi za kućanstvo i slobodno vrijeme 1

EN 131-1:2015/prA1 en
Ladders – Part 1: Terms, types, functional sizes
Ljestve – 1. dio: Nazivi, tipovi, funkcionalne veličine

HZN/TU C1, Kemikalije, kemijsko inženjerstvo, poljoprivredni i prehrambeni proizvodi 1

prEN ISO 7783 en
Paints and varnishes – Determination of water-vapour
transmission properties – Cup method (ISO/DIS 7783:2018)
Boje i lakovi – Određivanje svojstava prijenosa vodene pare
– Metoda s posudom (ISO/DIS 7783:2018)

prEN ISO 11343 en
Adhesives – Determination of dynamic resistance to cleavage
of high-strength adhesive bonds under impact conditions
– Wedge impact method (ISO/DIS 11343:2018)
Adhezivi – Određivanje dinamičke otpornosti na kalanje
adhezijskih veza visoke čvrstoće pod uvjetima udara – Metoda
udara klinom (ISO/DIS 11343:2018)

prEN ISO 22631 en
Adhesives – Test method for adhesives for floor and wall
coverings – Peel test (ISO/DIS 22631:2018)
Adhezivi – Metoda ispitivanja adheziva za podne i zidne
obloge – Ispitivanje ljuštenjem (ISO/DIS 22631:2018)

prEN ISO 22632 en
Adhesives – Test method for adhesives for floor and wall
coverings – Shear test (ISO/DIS 22632:2018)
Adhezivi – Metoda ispitivanja adheziva za podne i zidne
obloge – Ispitivanje smicanjem (ISO/DIS 22632:2018)

prEN ISO 22633 en
Adhesives – Test methods for adhesives for floor coverings
and wall coverings – Determination of dimensional changes
of a linoleum floor covering in contact with an adhesive
(ISO/DIS 22633:2018)
Adhezivi – Ispitne metode za adhezive za podne i zidne obloge
– Određivanje dimenzionalnih promjena podnih obloga od
linoleuma u kontaktu s adhezivom (ISO/DIS 22633:2018)

prEN ISO 22635 en
Adhesives – Test method for adhesives for plastic or rubber floor coverings or wall coverings – Determination of dimensional changes after accelerated ageing (ISO/DIS 22635:2018)
Adhezivi – Metoda ispitivanja za adhezive za plastične ili gumene podne ili zidne obloge – Određivanje dimenzijskih promjena nakon ubrzanog starenja (ISO/DIS 22635:2018)

prEN ISO 22637 en
Adhesives – Test of adhesive for floor covering – Determination of the electrical resistance of adhesive films and composites (ISO/DIS 22637:2018)

prEN ISO/ASTM 52900 en
Additive manufacturing – General principles – Terminology (ISO/ASTM DIS 52900:2018)
Proizvodnja aditiva – Opća načela – Nazivlje (ISO/ASTM DIS 52900:2018)

prEN ISO/ASTM 52902 en
Additive manufacturing – Test artefacts – Standard guideline for geometric capability assessment of additive manufacturing systems (ISO/ASTM DIS 52902:2018)

HZN/TU I2, *Strojarstvo 2*

FprCEN/TS 17273 en
Nanotechnologies – Guidance on detection and identification of nano-objects in complex matrices
Nanotehnologije – Smjernice za otkrivanje i identifikaciju nanoobjekata u složenim matricama

FprCEN/TS 17274 en
Nanotechnologies – Guidelines for determining protocols for the explosivity and flammability of powders containing nano-objects (for transport, handling and storage)
Nanotehnologije – Smjernice za određivanje protokola za eksplozivnost i zapaljivost prašaka koji sadrže nanoobjekte (za transport, rukovanje i skladištenje)

FprCEN/TS 17275 en
Nanotechnologies – Guidelines for the management and disposal of waste from the manufacturing and processing of manufactured nano-objects
Nanotehnologije – Smjernice za upravljanje i zbrinjavanje otpada od proizvodnje i prerade proizvedenih nanoobjekata

FprCEN/TS 17276 en
Nanotechnologies – Guidelines for Life Cycle Assessment – Application of EN ISO 14044:2006 to Manufactured Nanomaterials
Nanotehnologije – Smjernice za procjenu životnog ciklusa – Primjena EN ISO 14044:2006 za proizvodnju nanomaterijala

HZN/TU S1, *Zdravlje, okoliš i medicinska oprema 1*

EN ISO 7199:2017/prA1 en
Cardiovascular implants and artificial organs – Blood-gas exchangers (oxygenators) – Amendment 1: Connectors (ISO 7199:2016/DAM 1:2018)
Kardiovaskularni implantati i umjetni organi – Izmjenjivači plinova u krvi (uređaji za obogaćivanje krvi kisikom) – Amandman 1: Spojnici (ISO 7199:2016/DAM 1:2018)

prEN ISO 20342-1 en
Assistive products for tissue integrity when lying down – Part 1: General Requirements (ISO/DIS 20342-1:2018)
Proizvodi koji pomažu u sprječavanju ozljeda tkiva pri dugotrajnom ležanju – 1. dio: Opći zahtjevi (ISO/DIS 20342-1:2018)

HZN/TU T1, *Prijevoz, rukovanje materijalima i pakiranje 1*

FprEN 2267-010 en
Aerospace series – Cables, electrical, for general purpose – Operating temperatures between -55 °C and 260 °C – Part 010: DR family, single UV laser printable – Product standard
Zrakoplovstvo – Kabeli, električni, opće namjene – Radna temperatura između -55 °C i 260 °C – Dio 010: DR porodica, za ispis UV laserskim pisačem – Norma za proizvod

FprEN 2468 en
Aerospace series – Steel FE-PA11 – Softened – Tubes – 0,5 mm ≤ a ≤ 5 mm

FprEN 2470 en
Aerospace series – Steel FE-PA11 – Softened and cold drawn – Wires for rivets – 1 mm ≤ D ≤ 10 mm

FprEN 2510 en
Aerospace series – Aluminium alloy 2024 – T42 – Drawn tubes for structural applications

FprEN 2584 en
Aerospace series – Bearings, spherical plain in corrosion resisting steel with self-lubricating liner – Narrow series – Elevated load at ambient temperature – Dimensions and loads
Zrakoplovstvo – Ležajevi, kuglasti klizni sa samopodmazujućim prstenom izrađeni od čelika otpornog na koroziju – Uske serije – Visoko opterećeni pri temperaturi okoline – Dimenzije i opterećenja

FprEN 2585 en
Aerospace series – Bearing, spherical plain in corrosion resisting steel with self-lubricating liner – Wide series – Elevated load at ambient temperature – Dimensions and loads
Zrakoplovstvo – Ležajevi, kuglasti klizni sa samopodmazujućim prstenom izrađeni od čelika otpornog na koroziju – Široke serije – Visoko opterećeni pri temperaturi okoline – Dimenzije i opterećenja

FprEN 2638 en
Aerospace series – Aluminium alloy 2024 – T3 – Extruded bar and section – 1,2 mm ≤ (a or D) ≤ 150 mm with coarse peripheral grain control

FprEN 2699 en
Aerospace series – Aluminium alloy (5086) – Annealed and straightened (H111) – Drawn bar – 6 mm ≤ D ≤ 50 mm

FprEN 4529-002 en
Aerospace series – Elements of electrical and optical connection – Sealing plugs – Part 002: Index of product standards
Zrakoplovstvo – Elementi električne i optičke veze – Utikač za brtvljenje – 002. dio: Indeks norme za proizvod

FprEN 4611-003 en
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Part 003: Tin plated copper – Operating temperatures, between -65 °C and 135 °C – Single extruded wall for enclosed applications – UV laser printable – Product standard
Nizovi o zrakoplovstvu – Kabeli, električni, opće namjene, jednožilni i višežilni sklop – XLETFE porodica – 003. dio: Bakar prevučeni kositrom – Radna temperatura između -65 °C i 135 °C – Jednostruki ekstrudirani zid za zatvorenu primjenu – Ispisivanje pomoću UV lasera – Norma za proizvod

FprEN 4681-005 en
Aerospace series – Cables, electric, general purpose, with conductors in aluminium or copper-clad aluminium – Part 005: AZ family, single, for use in low pressure atmosphere – Product standard
Zrakoplovstvo – Električni kabeli opće namjene s aluminijским vodičem ili aluminijским vodičem presvučenim bakrom – Dio 005: AZ porodica, jednožilni, za upotrebu u atmosferi niskog tlaka – Norma za proizvod

FprEN 4681-006 en
Aerospace series – Cables, electric, general purpose, with conductors in aluminium or copper-clad aluminium – Part 006: AZA family, single and multicore assembly, for use in low pressure atmosphere – Product standard
Zrakoplovstvo – Električni kabeli opće namjene s aluminijским vodičem ili aluminijским vodičem presvučenim bakrom – Dio 006: AZA porodica, jednožilni i višežilni sklop, za upotrebu u atmosferi niskog tlaka – Norma za proizvod

FprEN 4706 en
Aerospace series – LED colour and brightness ranking

FprEN 4708-103 en
Aerospace series – Sleeving, heat-shrinkable, for binding, insulation and identification – Part 103: Fluoroelastomer sleeves – Operating temperature -55 °C to 200 °C – Product standard

FprEN 4859 en
Aerospace series – Sensor based clamp load determination / high tensile bolts – Technical specification

FprEN 16603-33-11 en
Space engineering – Explosive systems and devices

HZN/TU U1, *Opća elektrotehnika 1*

- prEN 50693 en
Method for quantitative eco design via life cycle assessment and environmental declarations through product category rules for EEE
- prEN 60721-3-3:2018 en
Classification of environmental conditions – Part 3: Classification of groups of environmental parameters and their severities – Section 3: Stationary use at weatherprotected locations (IEC 60721-3-3:201X)
Razredba uvjeta okoliša – 3. dio: Razredba skupina utjecaja okoliša i njihove strogosti – Uporaba na stalnome mjestu zaštićenu od vremenskih utjecaja (IEC 60721-3-3:201X)

HZN/TU V1, *Elektronika 1*

- prEN 60122-4:2018 en
Quartz crystal units of assessed quality – Part 4: Crystal units with thermistors (IEC 60122-4:201X)
- prEN 61169-1-2:2018 en
Radio-frequency connectors – Part 1-2: Electrical test methods – Insertion loss (IEC 61169-1-2:201X)
- prEN 62148-19:2018 en
Fibre optic active components and devices – Package and interface standards – Part 19: Photonic chip scale package (IEC 62148-19:201X)
- prEN 62343-1:2018 en
Dynamic modules – Part 1: Performance standards – General conditions (IEC 62343-1:201X)
- prEN 63093-4:2018 en
Ferrite cores – Guidelines on dimensions and the limits of surface irregularities – Part 4: RM-cores (IEC 63093-4:201X)
- prEN 63093-14:2018 en
Ferrite cores – Guidelines on dimensions and the limits of surface irregularities – Part 14: EFD-cores (IEC 63093-14:201X)

HZN/TU W1, *Energetska elektrotehnika 1*

- prEN 62282-2-100:2018 en
Fuel cell technologies – Part 2-100: Fuel cell modules – Safety (IEC 62282-2-100:201X)

1.4 Povučene hrvatske norme

Na prijedlog tehničkog odbora ravnatelj Hrvatskoga zavoda za norme donosi odluku o povlačenju hrvatske norme kada je donesena nova hrvatska norma ili kada je postojeća hrvatska norma postala neprimjenjiva.

Kada je koje područje uređeno propisima i neki od propisa (pravilnik, naredba, naputak) upućuje na norme koje su povučene, one se primjenjuju silom tih propisa i bit će, do izmjene propisa ili izradbe novih, na raspolaganju u Normoteci HZN-a.

HZN/TO 8, *Brodogradnja*

- HRN EN ISO 8385:2004 en
Brodovi i pomorska tehnologija – Jaružala – Razredba (ISO 8385:1999; EN ISO 8385:1999)
Ships and marine technology – Dredgers – Classification (ISO 8385:1999; EN ISO 8385:1999)
- zamijenjena s: HRN EN ISO 8385:2018

HZN/TO 159, *Ergonomija*

- HRN EN ISO 9241-11:2004 en
Ergonomski zahtjevi za uredski rad s vizualnim zaslonima (VDT) – 11. dio: Smjernice o uporabljivosti (ISO 9241-11:1998; EN ISO 9241-11:1998)
Ergonomic requirements for office work with visual display terminals (VDTs) – Part 11: Guidance on usability (ISO 9241-11:1998; EN ISO 9241-11:1998)
- zamijenjena s: HRN EN ISO 9241-11:2018

HZN/TO 503, *Metalni materijali*

- HRN EN ISO 6892-2:2011 en
Metalni materijali – Vlačno ispitivanje – 2. dio: Metoda ispitivanja pri povišenoj temperaturi (ISO 6892-2:2011; EN ISO 6892-2:2011)
Metallic materials – Tensile testing – Part 2: Method of test at elevated temperature (ISO 6892-2:2011; EN ISO 6892-2:2011)
- zamijenjena s: HRN EN ISO 6892-2:2018
- HRN EN 12861:2002 en
Bakar i bakrene legure – Metalni otpad (EN 12861:1999)
Copper and copper alloys – Scrap (EN 12861:1999)
- zamijenjena s: HRN EN 12861:2018

HZN/TO 517, *Posebne vrste konstrukcija*

- HRN EN 15129:2011 en
Protupotresne naprave (EN 15129:2009)
Anti-seismic devices (EN 15129:2009)
- zamijenjena s: HRN EN 15129:2018

HZN/TO 521, *Usluge održavanja*

- HRN EN 15221-1:2012 hr en
Upravljanje objektima i sustavima podrške – 1. dio: Nazivi i definicije (EN 15221-1:2006)
Facility Management – Part 1: Terms and definitions (EN 15221-1:2006)
- zamijenjena s: HRN EN ISO 41011:2018

HZN/TO 532, *Dimnjaci*

- HRN DIN 18160-1:2003 de
Dimnjaci – 1. dio: Projektiranje i izvedba (DIN 18160-1:2001)
Abgasanlagen – Teil 1: Planung und Ausführung (DIN 18160-1:2001)
- zamijenjena s: HRN DIN V 18160-1:2018

HZN/TO 533, *Kolničke konstrukcije*

- HRS CEN/TS 12697-50:2016 en
Bitumenske mješavine – Metode ispitivanja – 50. dio: Otpornost na habanje (CEN/TS 12697-50:2016)
Bituminous mixtures – Test methods – Part 50: Resistance to scuffing (CEN/TS 12697-50:2016)
- zamijenjena s: HRS CEN/TS 12697-50:2018

- HRN EN 13880-10:2004 en
Vruće brtvne mase – 10. dio: Ispitna metoda za određivanje adhezije i kohezije pri neprekidnom rastezanju i stlačivanju (EN 13880-10:2003)
Hot applied joint sealants – Part 10: Test method for the determination of adhesion and cohesion following continuous extension and compression (EN 13880-10:2003)
- bez zamjene

HZN/TO 537, *Tehnički crteži, dimenzijske i geometrijske specifikacije, opis proizvoda i odgovarajuća dokumentacija*

- HRN EN ISO 5458:2004 en
Geometrijska specifikacija proizvoda (GPS) – Geometrijske tolerancije – Tolerancije položaja (ISO 5458:1998; EN ISO 5458:1998)
Geometrical product specification (GPS) – Geometrical tolerancing – Positional tolerancing (ISO 5458:1998; EN ISO 5458:1998)
- zamijenjena s: HRN EN ISO 5458:2018

HZN/TO 555, *Medicinski proizvodi*

- HRN EN ISO 10993-11:2010 en
Biloška procjena medicinskih proizvoda – 11. dio: Ispitivanja za sustavnu toksičnost (ISO 10993-11:2006; EN ISO 10993-11:2009)
Biological evaluation of medical devices – Part 11: Tests for systemic toxicity (ISO 10993-11:2006; EN ISO 10993-11:2009)
- zamijenjena s: HRN EN ISO 10993-11:2018

HZN/TO 558, *Zaštita dišnih putova*

HRN EN 14593-1:2005 en

Zaštitne naprave za disanje – Cijevni uređaji za disanje sa stlačenim zrakom s plućnim automatom – 1. dio: Uređaji s maskom za cijelo lice – Zahtjevi, ispitivanje, označivanje (EN 14593-1:2005)
Respiratory protective devices – Compressed air line breathing apparatus with demand valve – Part 1: Apparatus with a full face mask – Requirements, testing, marking (EN 14593-1:2005)
- zamijenjena s: HRN EN 14593-1:2018

HRN EN 14594:2005 en

Zaštitne naprave za disanje – Cijevni uređaji za disanje sa stalnim dotokom stlačenog zraka – Zahtjevi, ispitivanje, označivanje (EN 14594:2005)
Respiratory protective devices – Continuous flow compressed air line breathing apparatus – Requirements, testing, marking (EN 14594:2005)
- zamijenjena s: HRN EN 14594:2018

HZN/TO 560, *Tekstilni proizvodi*

HRN EN ISO 3175-4:2008 en

Tekstilije – Profesionalna njega, kemijsko čišćenje i mokro čišćenje plošnih tekstila i odjevnih predmeta – 4. dio: Postupak za ispitivanje primjenom simuliranog mokrog čišćenja pri čišćenju i oplemenjivanju (ISO 3175-4:2003; EN ISO 3175-4:2003)
Textiles – Professional care, drycleaning and wetcleaning of fabrics and garments – Part 4: Procedure for testing performance when cleaning and finishing using simulated wetcleaning (ISO 3175-4:2003; EN ISO 3175-4:2003)
- zamijenjena s: HRN EN ISO 3175-4:2018

HRN EN ISO 3175-4:2008/Ispr.1:2012 en

Tekstilije – Profesionalna njega, kemijsko čišćenje i mokro čišćenje plošnih tekstila i odjevnih predmeta – 4. dio: Postupak za ispitivanje primjenom simuliranog mokrog čišćenja pri čišćenju i oplemenjivanju – Tehnički ispravak 1 (ISO 3175-4:2003/Cor 1:2009; EN ISO 3175-4:2003/AC:2012)
Textiles – Professional care, drycleaning and wetcleaning of fabrics and garments – Part 4: Procedure for testing performance when cleaning and finishing using simulated wetcleaning – Technical Corrigendum 1 (ISO 3175-4:2003/Cor 1:2009; EN ISO 3175-4:2003/AC:2012)
- zamijenjena s: HRN EN ISO 3175-4:2018

HRN EN ISO 15496:2008 en

Tekstilije – Mjerenje propusnosti vodene pare tekstila za kontrolu kvalitete (ISO 15496:2004+Cor 1:2006; EN ISO 15496:2004+AC:2006)
Textiles – Measurement of water vapour permeability of textiles for the purpose of quality control (ISO 15496:2004+Cor 1:2006; EN ISO 15496:2004+AC:2006)
- zamijenjena s: HRN EN ISO 15496:2018

HRN EN 20811:2003 en

Tekstilni plošni proizvodi – Određivanje otpornosti na prodiranje vode – Ispitivanje s hidrostatskim tlakom (ISO 811:1981; EN 20811:1992)
Textile fabrics – Determination of resistance to water penetration – Hydrostatic pressure test (ISO 811:1981; EN 20811:1992)
- zamijenjena s: HRN EN ISO 811:2018

HZN/TO 562, *Alatni strojevi i alati*

HRN EN 848-3:2013 en

Sigurnost strojeva za obradu drva – Jednostrani strojevi za oblikovanje kalupa rotirajućim alatom – 3. dio: Numeričko upravljani strojevi (NC) za bušenje i vođenje po krivulji (EN 848-3:2012)
Safety of woodworking machines – One side moulding machines with rotating tools – Part 3: Numerically controlled (NC) boring and routing machines (EN 848-3:2012)
- zamijenjena s: HRN EN ISO 19085-3:2018

HZN/TO 568, *Analiza hrane – horizontalne metode, mikrobiologija, posuđe i pribor u kontaktu s hranom*

HRN EN 15662:2008 en

Hrana biljnog porijekla – Određivanje ostataka pesticida metodom plinske kromatografije/spektrometrijom mase (GC-MS) i/ili metodom tekućinske kromatografije/tandemskom spektrometrijom mase (LC-MS/MS) nakon ekstrakcije/razdiobe acetonitrilom i čišćenja disperzivnom SPE – QuEChERS metodom (EN 15662:2008)
Foods of plant origin – Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and cleanup by dispersive SPE – QuEChERS-method (EN 15662:2008)
- zamijenjena s: HRN EN 15662:2018

HZN/TO 577, *Metode ispitivanja za karakterizaciju krutih i tekućih sastavnica i opterećenja okoliša*

HRS CEN/TS 16181:2014 en

Mulj, obrađeni biootpad i tlo – Određivanje policikličkih aromatskih ugljikovodika (PAU) plinskom kromatografijom (GC) i tekućinskom kromatografijom visokog učinka (HPLC) (CEN/TS 16181:2013)
Sludge, treated biowaste and soil – Determination of polycyclic aromatic hydrocarbons (PAH) by gas chromatography (GC) and high performance liquid chromatography (HPLC) (CEN/TS 16181:2013)
- zamijenjena s: HRN EN 16181:2018

HZN/TU I1, *Strojarstvo 1*

HRN EN 15895:2013 en

Nabojem pogonjeni ručni alati – Sigurnosni zahtjevi – Alati za pričvršćivanje i označivanje (EN 15895:2011)
Cartridge operated hand-held tools – Safety requirements – Fixing and hard marking tools (EN 15895:2011)
- zamijenjena s: HRN EN 15895:2018

HZN/TU M1, *Metalni materijali 1*

HRN EN ISO 4490:2015 en

Metalni prah – Određivanje protoka pomoću umjernoga lijevka (Hallov mjerac protoka) (ISO 4490:2014; EN ISO 4490:2014)
Metallic powders – Determination of flow rate by means of a calibrated funnel (Hall flowmeter) (ISO 4490:2014; EN ISO 4490:2014)
- zamijenjena s: HRN EN ISO 4490:2018

HZN/TU S1, *Zdravlje, okoliš i medicinska oprema 1*

HRN EN ISO 7488:2008 en

Uređaji za miješanje dentalnog amalgama (ISO 7488:1991; EN ISO 7488:1995)
Dental amalgamators (ISO 7488:1991; EN ISO 7488:1995)
- zamijenjena s: HRN EN ISO 7488:2018

HRN EN ISO 14607:2011 en

Neaktivni kirurški implantati – Implantati za dojke – Posebni zahtjevi (ISO 14607:2007; EN ISO 14607:2009)
Non-active surgical implants – Mammary implants – Particular requirements (ISO 14607:2007; EN ISO 14607:2009)
- zamijenjena s: HRN EN ISO 14607:2018

HRN EN ISO 28319:2010 en

Stomatologija – Lasersko zavarivanje (ISO 28319:2010; EN ISO 28319:2010)
Dentistry – Laser welding (ISO 28319:2010; EN ISO 28319:2010)
- zamijenjena s: HRN EN ISO 28319:2018

HZN/TU T1, *Prijevoz, rukovanje materijalima i pakiranje 1*

HRN EN 2234:2012 en

Nizovi o zrakoplovstvu – Kabel, električni, otporan na vatru – Tehničke specifikacije (EN 2234:2012)
Aerospace series – Cable, electrical, fire resistant – Technical specification (EN 2234:2012)
- zamijenjena s: HRN EN 2234:2018

HRN EN 4122:2008 en

Nizovi o zrakoplovstvu – Držač matica, samozatvarajući, od čelika otpornog na toplinu FE-PA2601 (A286), s navojem prevučeni srebrom – Klasifikacija: 1100 MPa (pri temperaturi okoline)/650 °C (EN 4122:2004)
Aerospace series – Shank nuts, self-locking, in heat resisting steel FE-PA2601 (A286), silver plated on thread – Classification: 1100 MPa (at ambient temperature)/650 °C (EN 4122:2004)
- zamijenjena s: HRN EN 4122:2018

HRN EN 4123:2008 en

Nizovi o zrakoplovstvu – Držač matica, samozatvarajući, legura na bazi nikla otporna na toplinu NI-PH2601 (Inconel 718), s navojem prevučeni srebrom – Klasifikacija: 1550 MPa (pri temperaturi okoline)/600 °C (EN 4123:2004)
Aerospace series – Shank nuts, self-locking, in heat resisting nickel base alloy NI-PH2601 (Inconel 718), silver plated on thread – Classification: 1550 MPa (at ambient temperature)/600 °C (EN 4123:2004)
- zamijenjena s: HRN EN 4123:2018

HRN EN 4124:2008 en

Nizovi o zrakoplovstvu – Držač matica, samozatvarajući, legura na bazi nikla otporna na toplinu NI-PH1302 (Waspaloy), s navojem prevučeni srebrom, za 60° kalup – Klasifikacija: 1210 MPa (pri temperaturi okoline)/730 °C (EN 4124:2004)
Aerospace series – Shank nuts, self-locking, in heat resisting nickel base alloy NI-PH1302 (Waspaloy), silver plated on thread, for 60° swage – Classification: 1210 MPa (at ambient temperature)/730 °C (EN 4124:2004)
- zamijenjena s: HRN EN 4124:2018

HRN EN 9100:2013 en

Sustav upravljanja kvalitetom – Zahtjevi za zrakoplovstvo, organizacije za svemir i obranu (EN 9100:2009)
Quality Management Systems – Requirements for Aviation, Space and Defense Organizations (EN 9100:2009)
- zamijenjena s: HRN EN 9100:2018

HRN EN 9101:2015 en

Sustavi upravljanja kvalitetom – Zahtjevi za audit za organizacije za zrakoplovstvo, svemir i obranu (EN 9101:2015)
Quality Management Systems – Audit Requirements for Aviation, Space, and Defence Organisations (EN 9101:2015)
- zamijenjena s: HRN EN 9101:2018

HRN EN 9110:2015 en

Sustavi upravljanja kvalitetom – Zahtjevi za organizacije koje održavaju zrakoplove (EN 9110:2015)
Quality Management Systems – Requirements for Aviation Maintenance Organizations (EN 9110:2015)
- zamijenjena s: HRN EN 9110:2018

HRN EN 9120:2011 en

Sustavi upravljanja kvalitetom – Zahtjevi za dobavljače u području zrakoplovstva, odbrane i svemira (EN 9120:2010)
Quality Management Systems – Requirements for Aviation, Space and Defence Distributors (EN 9120:2010)
- zamijenjena s: HRN EN 9120:2018

1.6 Ispravci hrvatskih norma

U popisima hrvatskih norma objavljenim u ranijim brojevima službenog glasila potkrale su se pogreške. Niže navodimo ispravne oznake i naslove hrvatskih norma. Navedeni ispravci smatraju se službenom informacijom i nisu nužno uključeni u norme koje su prethodno objavljene.

HZN/TO 22, Cestovna vozila

- **umjesto**

HRN EN ISO 18541-6:2018

Cestovna vozila – Normirani pristup informacijama za popravak i održavanje vozila (RMI) – 6. dio: Posebni slučajevi uporabe i zahtjevi s obzirom na RMI za vozila kategorije L (ISO 18541-6:2018; EN ISO 18541-6:2018)
Road vehicles – Standardized access to automotive repair and maintenance information (RMI) – Part 6: L-Category vehicle specific RMI use cases and requirements (ISO 18541-6:2018; EN ISO 18541-6:2018)

- **treba biti**

HRN EN ISO 18541-6:2018

Cestovna vozila – Normirani pristup informacijama za popravak i održavanje vozila (RMI) – 6. dio: Posebni slučajevi uporabe i zahtjevi s obzirom na RMI za vozila kategorije L (ISO 18541-6:2018; **ispravljena verzija 2018-05**; EN ISO 18541-6:2018)
Road vehicles – Standardized access to automotive repair and maintenance information (RMI) – Part 6: L-Category vehicle specific RMI use cases and requirements (ISO 18541-6:2018; **Corrected version 2018-05**; EN ISO 18541-6:2018)

1.10 Prijevodi hrvatskih normativnih dokumenata

HZN/TO Z2, Ocjenjivanje sukladnosti i akreditacija

Sljedeća hrvatska norma objavljena na engleskome jeziku sada je dostupna i na hrvatskome i engleskome jeziku, kao dvojezično izdanje:

HRN EN ISO/IEC 17020:2012 hr, en-en pr-pp
Ocjenjivanje sukladnosti – Zahtjevi za rad različitih vrsta tijela koja provode inspekciju (ISO/IEC 17020:2012; EN ISO/IEC 17020:2012)
Conformity assessment – Requirements for the operation of various types of bodies performing inspection (ISO/IEC 17020:2012; EN ISO/IEC 17020:2012)

2 Rezultati međunarodne i europske normizacije razvrstani po predmetnom ustroju

01.040.25 Proizvodna tehnika (Rječnici)

Europska normizacija
CEN

EN ISO 4885:2018
Ferrous materials – Heat treatments – Vocabulary
(ISO 4885:2018)

01.040.29 Elektrotehnika (Rječnici)

Međunarodna normizacija
IEC

IEC 62504 AMD 1:2018
General lighting – Light emitting diode (LED) products and related equipment – Terms and definitions; Amendment 1

IEC 62504 Edition 1.1:2018
General lighting – Light emitting diode (LED) products and related equipment – Terms and definitions

01.040.43 Cestovna vozila (Rječnici)

Međunarodna normizacija
ISO

ISO 6621-1:2018
Internal combustion engines – Piston rings – Part 1:
Vocabulary

01.040.49 Zrakoplovna i svemirska tehnika (Rječnici)

Međunarodna normizacija
ISO

ISO 8625-1:2018
Aerospace – Fluid systems – Vocabulary – Part 1: General terms and definitions related to pressure

ISO 8625-2:2018
Aerospace – Fluid systems – Vocabulary – Part 2: General terms and definitions relating to flow

ISO 8625-3:2018
Aerospace – Fluid systems – Vocabulary – Part 3: General terms and definitions relating to temperature

01.040.77 Metalurgija (Rječnici)

Europska normizacija
CEN

EN ISO 4885:2018
Ferrous materials – Heat treatments – Vocabulary
(ISO 4885:2018)

01.060 Veličine i jedinice

Europska normizacija
CEN

EN ISO 7345:2018
Thermal performance of buildings and building components – Physical quantities and definitions (ISO 7345:2018)

Međunarodna normizacija
ISO

ISO 7345:2018
Thermal performance of buildings and building components – Physical quantities and definitions

01.080.20 Grafički simboli za upotrebu na posebnoj opremi

Međunarodna normizacija
ISO

ISO 9687 AMD 1:2018
Dentistry – Graphical symbols for dental equipment – Amendment 1

01.100.25 Crteži u elektrotehnici i elektronici

Europska normizacija
CENELEC

EN IEC 60191-1:2018
Mechanical standardization of semiconductor devices – Part 1: General rules for the preparation of outline drawings of discrete devices (IEC 60191-1:2018)

01.100.30 Konstrukcijski crteži

Međunarodna normizacija
ISO

ISO 128-33:2018
Technical product documentation (TPD) – General principles of presentation – Part 33: Representation of views, sections and cuts in construction drawings

01.120 Normizacija. Opća pravila

Međunarodna normizacija
ISO

ISO/IEC Guide 14:2018
Products and related services – Information for consumers

01.140.20 Informacijske znanosti

Međunarodna normizacija
ISO

ISO/TR 20694:2018
A typology of language registers

03.100.50 Proizvodnja. Upravljanje proizvodnjom

Međunarodna normizacija
IEC

IEC/TR 62240-1:2018
Process management for avionics – Electronic components capability in operation – Part 1: Temperature uprating

03.100.70 Sustavi upravljanja

Europska normizacija
CEN

CEN/TR 17223:2018
Guidance on the relationship between EN ISO 13485: 2016 (Medical devices – Quality management systems – Requirements for regulatory purposes) and European Medical Devices Regulation and In Vitro Diagnostic Medical Devices Regulation

EN ISO 13485:2016/AC:2018
Medical devices – Quality management systems – Requirements for regulatory purposes (ISO 13485:2016)

11.040.01 Medicinska oprema općenito

Europska normizacija CEN

CEN/TR 17223:2018
Guidance on the relationship between EN ISO 13485: 2016 (Medical devices – Quality management systems – Requirements for regulatory purposes) and European Medical Devices Regulation and In Vitro Diagnostic Medical Devices Regulation

EN ISO 13485:2016/AC:2018
Medical devices – Quality management systems – Requirements for regulatory purposes (ISO 13485:2016)

11.040.10 Anestezijska, respiracijska i reanimacijska oprema

Međunarodna normizacija ISO

IEC 80601-2-30:2018
Medical electrical equipment – Part 2-30: Particular requirements for basic safety and essential performance of automated non-invasive sphygmomanometers

11.040.25 Šprice. Igle. Kateteri

Europska normizacija CEN

EN ISO 7886-1:2018
Sterile hypodermic syringes for single use – Part 1: Syringes for manual use (ISO/FDIS 7886-1:2016)

11.040.40 Implantati za kirurgiju, protetiku i ortotiku

Europska normizacija CEN

CWA 17253-1:2018
Joint implants – Part 1: Novel methods for isolating wear particles from joint replacements and related devices

CWA 17253-2:2018
Joint implants – Part 2: Tiered toolkit approach to evaluate the biological impact of wear particles from joint replacements and related devices

Međunarodna normizacija ISO

ISO 5832-2:2018
Implants for surgery – Metallic materials – Part 2: Unalloyed titanium

ISO 19227:2018
Implants for surgery – Cleanliness of orthopedic implants – General requirements

11.040.55 Dijagnostička oprema

Međunarodna normizacija ISO

IEC 80601-2-49:2018
Medical electrical equipment – Part 2-49: Particular requirements for the basic safety and essential performance of multifunction patient monitoring equipment

IEC

IEC 80601-2-30:2018
Medical electrical equipment – Part 2-30: Particular requirements for the basic safety and essential performance of automated non-invasive sphygmomanometers

IEC 80601-2-49:2018
Medical electrical equipment – Part 2-49: Particular requirements for the basic safety and essential performance of multifunction patient monitors

11.040.70 Oftalmološka oprema

Međunarodna normizacija ISO

ISO 11979-7:2018
Ophthalmic implants – Intraocular lenses – Part 7: Clinical investigations of intraocular lenses for the correction of aphakia

ISO 11979-10:2018
Ophthalmic implants – Intraocular lenses – Part 10: Clinical investigations of intraocular lenses for correction of ametropia in phakic eyes

ISO 19979:2018
Ophthalmic optics – Contact lenses – Hygienic management of multipatient use trial contact lenses

11.060.10 Stomatološki materijali

Međunarodna normizacija ISO

ISO 10139-1:2018
Dentistry – Soft lining materials for removable dentures – Part 1: Materials for short-term use

11.060.20 Stomatološka oprema

Međunarodna normizacija ISO

ISO 9687 AMD 1:2018
Dentistry – Graphical symbols for dental equipment – Amendment 1

11.080.01 Sterilizacija i dezinfekcija općenito

Europska normizacija CEN

EN ISO 13408-2:2018
Aseptic processing of health care products – Part 2: Sterilizing filtration (ISO 13408-2:2018)

11.100.20 Biološko vrednovanje medicinskih proizvoda

Europska normizacija CEN

CWA 17253-2:2018
Joint implants – Part 2: Tiered toolkit approach to evaluate the biological impact of wear particles from joint replacements and related devices

13.020.50 Ekološko označivanje

Europska normizacija CEN

EN ISO 14024:2018
Environmental labels and declarations – Type I environmental labelling – Principles and procedures (ISO 14024:2018)

13.060.20 Voda za piće

Europska normizacija CEN

- EN 13077:2018
Devices to prevent pollution by backflow of potable water – Air gap with non-circular overflow (unrestricted) – Family A – Type B

13.080.20 Fizikalna svojstva tla

Europska normizacija CEN

- EN ISO 17892-8:2018
Geotechnical investigation and testing – Laboratory testing of soil – Part 8: Unconsolidated undrained triaxial test (ISO 17892-8:2018)
- EN ISO 17892-9:2018
Geotechnical investigation and testing – Laboratory testing of soil – Part 9: Consolidated triaxial compression tests on water saturated soils (ISO 17892-9:2018)

13.100 Radna sigurnost. Industrijska higijena

Europska normizacija CEN

- EN ISO 21904-3:2018
Health and safety in welding and allied processes – Requirements, testing and marking of equipment for air filtration – Part 3: Determination of the capture efficiency of on-torch welding fume extraction devices (ISO 21904-3:2018)

13.110 Sigurnost strojeva

Međunarodna normizacija ISO

- ISO 19085-4:2018
Woodworking machines – Safety – Part 4: Vertical panel circular sawing machines
- ISO 19085-10:2018
Woodworking machines – Safety – Part 10: Building site saws (contractor saws)

IEC

- IEC 62046:2018
Safety of machinery – Application of protective equipment to detect the presence of persons

13.180 Ergonomija

Međunarodna normizacija ISO

- ISO/CIE 8995-3:2018
Lighting of work places – Part 3: Lighting requirements for safety and security of outdoor work places

13.220.40 Zapaljivost i ponašanje materijala i proizvoda pri izgaranju

Europska normizacija CENELEC

- EN IEC 61249-2-45:2018
Materials for printed boards and other interconnecting structures – Part 2-45: Reinforced base materials clad and unclad – Non- halogenated epoxide non-woven/woven E-glass reinforced laminate sheets of thermal conductivity (1.0 W/m K) and defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-45:2018)

- EN IEC 61249-2-46:2018
Materials for printed boards and other interconnecting structures – Part 2-46: Reinforced base materials clad and unclad – Non- halogenated epoxide non-woven/woven E-glass reinforced laminate sheets of thermal conductivity (1,5 W/m K) and defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-46:2018)

- EN IEC 61249-2-47:2018
Materials for printed boards and other interconnecting structures – Part 2-47: Reinforced base materials clad and unclad – Non- halogenated epoxide non-woven/woven E-glass reinforced laminate sheets of thermal conductivity (2,0 W/m K) and defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-47:2018)

Međunarodna normizacija IEC

- IEC 60331-1:2018
Tests for electric cables under fire conditions – Circuit integrity – Part 1: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter exceeding 20 mm
- IEC 60331-2:2018
Tests for electric cables under fire conditions – Circuit integrity – Part 2: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter not exceeding 20 mm
- IEC 60331-3:2018
Tests for electric cables under fire conditions – Circuit integrity – Part 3: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV tested in a metal enclosure
- IEC 60754-3:2018
Test on gases evolved during combustion of materials from cables – Part 3: Measurement of low level of halogen content by ion chromatography

13.220.50 Vatrootpornost građevnih materijala i elemenata

Međunarodna normizacija ISO

- ISO 20902-1:2018
Fire test procedures for divisional elements that are typically used in oil, gas and petrochemical industries – Part 1: General requirements

17.120.10 Protok u zatvorenim cjevovodima

Međunarodna normizacija ISO

- ISO/TR 3313:2018
Measurement of fluid flow in closed conduits – Guidelines on the effects of flow pulsations on flow-measurement instruments

17.140.50 Elektroakustika

Europska normizacija CENELEC

- EN IEC 60942:2018
Electroacoustics – Sound calibrators (IEC 60942:2017)

17.220.20 Mjerenje električnih i magnetskih veličina

Europska normizacija CENELEC

- EN IEC 60051-5:2018
Direct acting indicating analogue electrical measuring instruments and their accessories – Part 5: Special requirements for phase meters, power factor meters and synchrosopes (IEC 60051-5:2017)

- EN IEC 60051-6:2018
Direct acting indicating analogue electrical measuring instruments and their accessories – Part 6: Special requirements for ohmmeters (impedance meters) and conductance meters (IEC 60051-6:2017)
- EN IEC 60051-7:2018
Direct acting indicating analogue electrical measuring instruments and their accessories – Part 7: Special requirements for multi-function instruments (IEC 60051-7:2017)
- EN IEC 60051-8:2018
Direct acting indicating analogue electrical measuring instruments and their accessories – Part 8: Special requirements for accessories (IEC 60051-8:2017)
- EN IEC 61340-4-3:2018
Electrostatics – Part 4-3: Standard test methods for specific applications – Footwear (IEC 61340-4-3:2017)
- EN IEC 61869-10:2018
Instrument transformers – Part 10: Additional requirements for low-power passive current transformers (IEC 61869-10:2017)
- EN IEC 61869-11:2018
Instrument transformers – Part 11: Additional requirements for low-power passive voltage transformers (IEC 61869-11:2017)

Međunarodna normizacija IEC

- IEC/TR 61340-5-2:2018
Electrostatics – Part 5-2: Protection of electronic devices from electrostatic phenomena – User guide
- IEC 62052-11 AMD 1 Corrigendum 1:2018
Electricity metering equipment (a.c.) – General requirements, tests and test conditions – Part 11: Metering equipment; Amendment 1; Corrigendum 1
- IEC 62053-11 AMD 1 Corrigendum 1:2018
Electricity metering equipment (a.c.) – Particular requirements – Part 11: Electromechanical meters for active energy (classes 0,5, 1 and 2); Amendment 1; Corrigendum 1
- IEC 62053-21 AMD 1 Corrigendum 1:2018
Electricity metering equipment (a.c.) – Particular requirements – Part 21: Static meters for active energy (classes 1 and 2); Amendment 1; Corrigendum 1
- IEC 62053-23 AMD 1 Corrigendum 1:2018
Electricity metering equipment (a.c.) – Particular requirements – Part 23: Static meters for reactive energy (classes 2 and 3); Amendment 1; Corrigendum 1
- IEC 62053-24 AMD 1 Corrigendum 1:2018
Electricity metering equipment (a.c.) – Particular requirements – Part 24: Static meters for reactive energy at fundamental frequency (classes 0,5 S, 1 S and 1); Amendment 1; Corrigendum 1

17.220.99 Ostale norme koje se odnose na elektricitet i magnetizam

Europska normizacija CENELEC

- EN IEC 61340-4-5:2018
Electrostatics – Part 4-5: Standard test methods for specific applications – Methods for characterizing the electrostatic protection of footwear and flooring in combination with a person (IEC 61340-4-5:2018)

17.240 Mjerenja zračenja

Europska normizacija CENELEC

- EN 50496:2018
Determination of workers' exposure to electromagnetic fields and assessment of risk at a broadcast site

19.040 Ispitivanje utjecaja okoliša

Europska normizacija CENELEC

- EN IEC 60068-3-5:2018
Environmental testing – Part 3-5: Supporting documentation and guidance – Confirmation of the performance of temperature chambers (IEC 60068-3-5:2018)
- EN IEC 60068-3-6:2018
Environmental testing – Part 3-6: Supporting documentation and guidance – Confirmation of the performance of temperature/humidity chambers (IEC 60068-3-6:2018)

Međunarodna normizacija IEC

- IEC 60721-2-7:2018
Classification of environmental conditions – Part 2-7: Environmental conditions appearing in nature – Fauna and flora

19.120 Analiza veličine čestica. Prosijavanje

Međunarodna normizacija ISO

- ISO 18747-1:2018
Determination of particle density by sedimentation methods – Part 1: Isopycnic interpolation approach

21.100.20 Valjni ležajevi

Međunarodna normizacija ISO

- ISO 12297-2:2018
Rolling bearings – Cylindrical rollers – Part 2: Boundary dimensions, geometrical product specifications (GPS) and tolerance values for ceramic rollers

23.020.30 Tlačne posude, cilindrični plinski spremnici

Europska normizacija CEN

- EN 13445-1:2014/A2:2018
Unfired pressure vessels – Part 1: General

23.020.40 Kriogeničke posude

Međunarodna normizacija ISO

- ISO 21012:2018
Cryogenic vessels – Hoses
- ISO 21028-2:2018
Cryogenic vessels – Toughness requirements for materials at cryogenic temperature – Part 2: Temperatures between -80 degrees C and -20 degrees C

23.040.01 Cjevovodne sastavni dijelovi i cjevovodi općenito

Europska normizacija CEN

- EN 13476-1:2018
Plastics piping systems for non-pressure underground drainage and sewerage – Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 1: General requirements and performance characteristics

EN 13476-2:2018
Plastics piping systems for non-pressure underground drainage and sewerage – Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 2: Specifications for pipes and fittings with smooth internal and external surface and the system, Type A

EN 13476-3:2018
Plastics piping systems for non-pressure underground drainage and sewerage – Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 3: Specifications for pipes and fittings with smooth internal and profiled external surface and the system, Type B

23.040.20 Plastične cijevi

Europska normizacija CEN

EN ISO 11296-1:2018
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 1: General (ISO 11296-1:2018)

EN ISO 11297-1:2018
Plastics piping systems for renovation of underground drainage and sewerage networks under pressure – Part 1: General (ISO 11297-1:2018)

EN ISO 11298-1:2018
Plastics piping systems for renovation of underground water supply networks – Part 1: General (ISO 11298-1:2018)

Međunarodna normizacija ISO

ISO 21225-1:2018
Plastics piping systems for the trenchless replacement of underground pipeline networks – Part 1: Replacement on the line by pipe bursting and pipe extraction

ISO 21225-2:2018
Plastics piping systems for the trenchless replacement of underground pipeline networks – Part 2: Replacement off the line by horizontal directional drilling and impact moling

23.040.45 Plastične spojnice

Europska normizacija CEN

EN ISO 11296-1:2018
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 1: General (ISO 11296-1:2018)

EN ISO 11297-1:2018
Plastics piping systems for renovation of underground drainage and sewerage networks under pressure – Part 1: General (ISO 11297-1:2018)

EN ISO 11298-1:2018
Plastics piping systems for renovation of underground water supply networks – Part 1: General (ISO 11298-1:2018)

Međunarodna normizacija ISO

ISO 21225-1:2018
Plastics piping systems for the trenchless replacement of underground pipeline networks – Part 1: Replacement on the line by pipe bursting and pipe extraction

ISO 21225-2:2018
Plastics piping systems for the trenchless replacement of underground pipeline networks – Part 2: Replacement off the line by horizontal directional drilling and impact moling

25.040.40 Mjerenje i upravljanje u industrijskim procesima

Europska normizacija CENELEC

EN IEC 61804-2:2018
Function blocks (FB) for process control and electronic device description language (EDDL) – Part 2: Specification of FB concept (IEC 61804-2:2018)

EN IEC 62443-4-1:2018
Security for industrial automation and control systems – Part 4-1: Secure product development lifecycle requirements (IEC 62443-4-1:2018)

25.080.01 Alatni strojevi općenito

Europska normizacija CEN

EN ISO 16090-1:2018
Machine tools safety – Machining centres, Milling machines, Transfer machines – Part 1: Safety requirements (ISO 16090-1:2017)

25.140.30 Ručno pokretani alati

Međunarodna normizacija ISO

ISO 10102:2018
Assembly tools for screws and nuts – Double-headed open-ended engineers' wrenches – Outside dimensions

ISO 10103:2018
Assembly tools for screws and nuts – Doubled-headed box wrenches, flat and offset – Outside dimensions and test torques

ISO 10104:2018
Assembly tools for screws and nuts – Double-headed box wrenches, deep offset and modified offset – Outside dimensions

25.160.01 Zavarivanje, meko i tvrdo lemljenje općenito

Europska normizacija CEN

EN ISO 21904-3:2018
Health and safety in welding and allied processes – Requirements, testing and marking of equipment for air filtration – Part 3: Determination of the capture efficiency of on-torch welding fume extraction devices (ISO 21904-3:2018)

25.160.40 Zavareni spojevi i zavari

Europska normizacija CEN

EN 12814-4:2018
Testing of welded joints of thermoplastics semi-finished products - Part 4: Peel test

25.200 Toplinska obradba

Europska normizacija CEN

EN ISO 4885:2018
Ferrous materials – Heat treatments – Vocabulary (ISO 4885:2018)

25.220.20 Površinska obrada

Europska normizacija CEN

- EN ISO 7668:2018
Anodizing of aluminium and its alloys – Measurement of specular reflectance and specular gloss of anodic oxidation coatings at angles of 20 degrees, 45 degrees, 60 degrees or 85 degrees (ISO 7668:2018)
- EN ISO 10215:2018
Anodizing of aluminium and its alloys – Visual determination of image clarity of anodic oxidation coatings – Chart scale method (ISO 10215:2018)

25.220.40 Metalne prevlake

Europska normizacija CEN

- EN ISO 2081:2018
Metallic and other inorganic coatings – Electroplated coatings of zinc with supplementary treatments on iron or steel (ISO 2081:2018)

27.010 Tehnika prijenosa energije i topline općenito

Europska normizacija CENELEC

- EN IEC 62933-2-1:2018
Electrical energy storage (EES) systems – Part 2-1: Unit parameters and testing methods – General specification (IEC 62933-2-1:2017)

Međunarodna normizacija IEC

- IEC 62325-301:2018
Framework for energy market communications – Part 301: Common information model (CIM) extensions for markets

27.060.30 Kotlovi i izmjenjivači topline

Europska normizacija CEN

- EN 12953-4:2018
Shell boilers – Part 4: Workmanship and construction of pressure parts of the boiler

27.120.10 Reaktorska tehnika

Međunarodna normizacija ISO

- ISO 18075:2018
Steady-state neutronics methods for power-reactor analysis
- ISO 18077:2018
Reload startup physics tests for pressurized water reactors

27.160 Solarna energetika

Europska normizacija CEN

- EN 12977-1:2018
Thermal solar systems and components – Custom built systems – Part 1: General requirements for solar water heaters and combisystems
- EN 12977-2:2018
Thermal solar systems and components – Custom built systems – Part 2: Test methods for solar water heaters and combisystems

- EN 12977-3:2018
Thermal solar systems and components – Custom built systems – Part 3: Performance test methods for solar water heater stores

- EN 12977-5:2018
Thermal solar systems and components – Custom built systems – Part 5: Performance test methods for control equipment

Međunarodna normizacija IEC

- IEC 61215-2 Corrigendum 1:2018
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 2: Test procedures; Corrigendum 1

27.220 Upotreba otpadne topline. Toplinska izolacija

Europska normizacija CEN

- EN ISO 7345:2018
Thermal performance of buildings and building components – Physical quantities and definitions (ISO 7345:2018)

Međunarodna normizacija ISO

- ISO 7345:2018
Thermal performance of buildings and building components – Physical quantities and definitions

29.020 Elektrotehnika općenito

Europska normizacija CENELEC

- EN IEC 62559-3:2018
Use case methodology – Part 3: Definition of use case template artefacts into an XML serialized format (IEC 62559-3:2017)

29.030 Magnetni materijali

Međunarodna normizacija IEC

- IEC 60404-2 AMD 1 Corrigendum 1:2018
Magnetic materials – Part 2: Methods of measurement of the magnetic properties of electrical steel sheet and strip by means of an Epstein frame; Amendment 1; Corrigendum 1

- IEC 60404-8-11:2018
Magnetic materials – Part 8-11: Specifications for individual materials – Fe-based amorphous strip delivered in the semi-processed state

- IEC 60404-10 Corrigendum 1:2018
Magnetic materials – Part 10: Methods of measurement of magnetic properties of electrical steel strip and sheet at medium frequencies; Corrigendum 1

- IEC 60404-16:2018
Magnetic materials – Part 16: Methods of measurement of the magnetic properties of Fe-based amorphous strip by means of a single sheet tester

29.035.01 Izolacijski materijali općenito

Europska normizacija CENELEC

- EN IEC 62631-3-11:2018
Dielectric and resistive properties of solid insulating materials – Part 3-11: Determination of resistive properties (DC methods) – Volume resistance and volume resistivity – Method for impregnation and coating materials (IEC 62631-3-11:2018)

29.035.20 Plastični i gumeni izolacijski materijali

Europska normizacija CENELEC

EN IEC 62677-3-101:2018
Heat-shrinkable low and medium voltage moulded shapes – Part 3: Specification for individual materials – Sheet 101: Heat-shrinkable, polyolefin moulded shapes for low voltage applications (IEC 62677-3-101:2018)

EN IEC 62677-3-102:2018
Heat-shrinkable low and medium voltage moulded shapes – Part 3: Specification for individual materials – Sheet 102: Heat-shrinkable, polyolefin, anti-tracking moulded shapes for medium voltage applications (IEC 62677-3-102:2018)

29.035.60 Lakirani proizvodi

Europska normizacija CENELEC

EN IEC 60370:2018
Test procedure for thermal endurance of insulating resins and varnishes for impregnation purposes – Electric breakdown methods (IEC 60370:2017)

29.040.10 Izolacijska ulja

Europska normizacija CENELEC

EN IEC 61125:2018
Insulating liquids – Test methods for oxidation stability – Test method for evaluating the oxidation stability of insulating liquids in the delivered state (IEC 61125:2018)

29.060.20 Kabeli

Europska normizacija CENELEC

EN IEC 60230:2018
Impulse tests on cables and their accessories (IEC 60230:2018)

Međunarodna normizacija IEC

IEC 60331-1:2018
Tests for electric cables under fire conditions – Circuit integrity – Part 1: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter exceeding 20 mm

IEC 60331-2:2018
Tests for electric cables under fire conditions – Circuit integrity – Part 2: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter not exceeding 20 mm

IEC 60331-3:2018
Tests for electric cables under fire conditions – Circuit integrity – Part 3: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV tested in a metal enclosure

IEC 60754-3:2018
Test on gases evolved during combustion of materials from cables – Part 3: Measurement of low level of halogen content by ion chromatography

IEC 60799:2018
Electrical accessories – Cord sets and interconnection cord sets

29.080.01 Električna izolacija općenito

Međunarodna normizacija IEC

IEC 60071-2:2018
Insulation co-ordination – Part 2: Application guidelines

29.100.10 Magnetski sastavni dijelovi

Europska normizacija CENELEC

EN IEC 62024-1:2018
High frequency inductive components – Electrical characteristics and measuring methods – Part 1: Nanohenry range chip inductor (IEC 62024-1:2017)

Međunarodna normizacija IEC

IEC 63093-7:2018
Ferrite cores – Guidelines on dimensions and the limits of surface irregularities – Part 7: EER-cores

29.120.20 Naprave za povezivanje

Europska normizacija CENELEC

EN 60570:2003/A1:2018
Electrical supply track systems for luminaires (IEC 60570:2003/A1:2017)

29.120.30 Utikači, utičnice, sprežnici

Europska normizacija CENELEC

EN IEC 62613-1:2018
Plugs, socket-outlets and ship couplers for high-voltage shore connection systems (HVSC-Systems) – Part 1: General requirements (IEC 62613-1:2011)

EN IEC 62613-2:2018
Plugs, socket-outlets and ship couplers for high-voltage shore connection systems (HVSC-systems) – Part 2: Dimensional compatibility and interchangeability requirements for accessories to be used by various types of ships (IEC 62613-2:2016)

29.120.50 Osigurači i ostale naprave za nadstrujnu zaštitu

Europska normizacija CENELEC

EN 61643-11:2012/A11:2018
Low-voltage surge protective devices – Part 11: Surge protective devices connected to low-voltage power systems – Requirements and test methods

EN IEC 61643-331:2018
Components for low-voltage surge protective devices – Part 331: Performance requirements and test methods for metal oxide varistors (MOV) (IEC 61643-331:2017)

EN IEC 61643-352:2018
Components for low-voltage surge protection – Part 352: Selection and application principles for telecommunications and signalling network surge isolation transformers (SITs) (IEC 61643-352:2018)

Međunarodna normizacija IEC

IEC 62955:2018
Residual direct current detecting device (RDC-DD) to be used for mode 3 charging of electric vehicles

29.130.10 Visokonaponski rasklopni i upravljački uređaji

Europska normizacija CENELEC

- EN 62271-100:2009/A2:2017/AC:2018
High-voltage switchgear and controlgear – Part 100: Alternating-current circuit-breakers (IEC 62271-100:2008/A2:2017/COR1:2018)
- EN 62271-101:2013/A1:2018
High-voltage switchgear and controlgear – Part 101: Synthetic testing (IEC 62271-101:2012/A1:2017 + COR1:2018)
- EN IEC 62271-110:2018/AC:2018
High-voltage switchgear and controlgear – Part 110: Inductive load switching (IEC 62271-110:2017/COR1:2017, IEC 62271-110:2017/COR2:2018)

29.140.01 Svjetiljke općenito

Međunarodna normizacija IEC

- IEC/TR 63158:2018
Equipment for general lighting purposes – Objective test method for stroboscopic effects of lighting equipment

29.140.10 Kape i držači svjetiljki

Europska normizacija CENELEC

- EN 60061-1:1993/A57:2018
Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamp caps (IEC 60061-1:1969/A57:2017)
- EN 60061-2:1993/A53:2018
Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 2: Lampholders (IEC 60061-2:1969/A53:2017)
- EN 60061-3:1993/A54:2018
Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 3: Gauges (IEC 60061-3:1969/A54:2017)
- EN IEC 60238:2018
Edison screw lampholders (IEC 60238:2016)

29.140.30 Fluorescentne svjetiljke. Svjetiljke s izbojem

Međunarodna normizacija IEC

- IEC 62386-217:2018
Digital addressable lighting interface – Part 217: Particular requirements for control gear – Thermal gear protection (device type 16)
- IEC 62386-218:2018
Digital addressable lighting interface – Part 218: Particular requirements for control gear – Dimming curve selection (device type 17)

29.140.40 Rasvjetna tijela

Europska normizacija CENELEC

- EN 60570:2003/A1:2018
Electrical supply track systems for luminaires (IEC 60570:2003/A1:2017)
- EN 60598-2-4:2018
Luminaires – Part 2: Particular requirements – Section 4: Portable general purpose luminaires (IEC 60598-2-4:2017, modified)

- EN IEC 60598-2-17:2018
Luminaires – Part 2-17: Particular requirements – Luminaires for stage lighting, television and film studios (outdoor and indoor) (IEC 60598-2-17:2017)

29.140.50 Rasvjetni instalacijski sustavi

Europska normizacija CENELEC

- EN 60570:2003/A1:2018
Electrical supply track systems for luminaires (IEC 60570:2003/A1:2017)

Međunarodna normizacija IEC

- IEC 62386-224:2018
Digital addressable lighting interface – Part 224: Particular requirements for control gear – Non-replaceable light source (device type 23)

29.140.99 Ostale norme koje se odnose na svjetiljke

Međunarodna normizacija IEC

- IEC 62031:2018
LED modules for general lighting – Safety specifications
- IEC 62504 AMD 1:2018
General lighting – Light emitting diode (LED) products and related equipment – Terms and definitions; Amendment 1
- IEC 62504 Edition 1.1:2018
General lighting – Light emitting diode (LED) products and related equipment – Terms and definitions

29.180 Transformatori. Prigušnice

Europska normizacija CENELEC

- EN 50588-2:2018
Medium power transformers 50 Hz, with highest voltage for equipment not exceeding 36 kV – Part 2: Transformers with cable boxes on the high-voltage and/or low-voltage side – General requirements for transformers with rated power less than or equal to 3150 kVA
- EN 50588-3:2018
Medium power transformers 50 Hz, with highest voltage for equipment not exceeding 36 kV – Part 3: Transformers with cable boxes on the high-voltage and/or low-voltage side – Cable boxes type 1 for use on transformers meeting the requirements of EN 50588-2
- EN 50588-4:2018
Medium power transformers 50 Hz, with highest voltage for equipment not exceeding 36 kV – Part 4: Transformers with cable boxes on the high-voltage and/or low-voltage side – Cable boxes type 2 for use on transformers meeting the requirements of EN 50588-2
- EN 60310:2016/AC:2018
Railway applications – Traction transformers and inductors on board rolling stock (IEC 60310:2016/COR1:2018)

Međunarodna normizacija IEC

- IEC 60076-3 AMD 1:2018
Power transformers – Part 3: Insulation levels, dielectric tests and external clearances in air; Amendment 1
- IEC 60076-3 Edition 3.1:2018
Power transformers – Part 3: Insulation levels, dielectric tests and external clearances in air

29.200 Ispravljači. Pretvarači. Stabilizirano napajanje

Europska normizacija CENELEC

EN IEC 61204-7:2018
Low-voltage switch mode power supplies – Part 7: Safety requirements (IEC 61204-7:2016)

29.220.01 Galvanski članci i baterije općenito

Međunarodna normizacija IEC

IEC 62973-1:2018
Railway applications – Rolling stock – Batteries for auxiliary power supply systems – Part 1: General requirements

29.240.10 Podstanice. Odvodnici prenapona

Europska normizacija CENELEC

EN IEC 60099-5:2018
Surge arresters – Part 5: Selection and application recommendations (IEC 60099-5:2018)

31.020 Elektronički sastavni dijelovi općenito

Međunarodna normizacija IEC

IEC/TR 61340-5-2:2018
Electrostatics – Part 5-2: Protection of electronic devices from electrostatic phenomena – User guide

IEC 61760-4 AMD 1:2018
Surface mounting technology – Part 4: Classification, packaging, labelling and handling of moisture sensitive devices; Amendment 1

IEC 61760-4 Edition 1.1:2018
Surface mounting technology – Part 4: Classification, packaging, labelling and handling of moisture sensitive devices

31.040.20 Potenciometri, promjenjivi otpornici

Europska normizacija CENELEC

EN IEC 61643-331:2018
Components for low-voltage surge protective devices – Part 331: Performance requirements and test methods for metal oxide varistors (MOV) (IEC 61643-331:2017)

31.080.01 Poluvodičke naprave općenito

Europska normizacija CENELEC

EN IEC 60749-12:2018
Semiconductor devices – Mechanical and climatic test methods – Part 12: Vibration, variable frequency (IEC 60749-12:2017)

EN IEC 60749-26:2018
Semiconductor devices – Mechanical and climatic test methods – Part 26: Electrostatic discharge (ESD) sensitivity testing – Human body model (HBM) (IEC 60749-26:2018)

Međunarodna normizacija IEC

IEC 62969-2:2018
Semiconductor devices – Semiconductor interface for automotive vehicles – Part 2: Efficiency evaluation methods of wireless power transmission using resonance for automotive vehicles sensors

31.140 Piezoelektrične naprave

Europska normizacija CENELEC

EN 60122-1:2002/A1:2018
Quartz crystal units of assessed quality – Part 1: Generic specification (IEC 60122-1:2002/A1:2017)

EN IEC 62604-2:2018
Surface acoustic wave (SAW) and bulk acoustic wave (BAW) duplexers of assessed quality – Part 2: Guidelines for the use (IEC 62604-2:2017)

EN IEC 63041-1:2018
Piezoelectric sensors – Part 1: Generic specifications (IEC 63041-1:2017)

EN IEC 63041-2:2018
Piezoelectric sensors – Part 2: chemical and biochemical sensors (IEC 63041-2:2017)

Međunarodna normizacija IEC

IEC 62884-3:2018
Measurement techniques of piezoelectric, dielectric and electrostatic oscillators – Part 3: Frequency aging test methods

31.160 Električni filtri

Europska normizacija CENELEC

EN IEC 62604-2:2018
Surface acoustic wave (SAW) and bulk acoustic wave (BAW) duplexers of assessed quality – Part 2: Guidelines for the use (IEC 62604-2:2017)

31.180 Tiskani krugovi i pločice

Europska normizacija CENELEC

EN IEC 61249-2-45:2018
Materials for printed boards and other interconnecting structures – Part 2-45: Reinforced base materials clad and unclad – Non- halogenated epoxide non-woven/woven E-glass reinforced laminate sheets of thermal conductivity (1.0 W/m K) and defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-45:2018)

EN IEC 61249-2-46:2018
Materials for printed boards and other interconnecting structures – Part 2-46: Reinforced base materials clad and unclad – Non- halogenated epoxide non-woven/woven E-glass reinforced laminate sheets of thermal conductivity (1.5 W/m K) and defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-46:2018)

EN IEC 61249-2-47:2018
Materials for printed boards and other interconnecting structures – Part 2-47: Reinforced base materials clad and unclad – Non- halogenated epoxide non-woven/woven E-glass reinforced laminate sheets of thermal conductivity (2.0 W/m K) and defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-47:2018)

31.190 Sklopovi elektroničkih sastavnih dijelova

Europska normizacija CENELEC

- EN IEC 61190-1-3:2018
Attachment materials for electronic assembly – Part 1-3: Requirements for electronic grade solder alloys and fluxed and non-fluxed solid solder for electronic soldering applications (IEC 61190-1-3:2017)

31.220.10 Utikačke i utičničke naprave. Konektori

Europska normizacija CENELEC

- EN IEC 60512-8-3:2018
Connectors for electrical and electronic equipment – Tests and measurements – Part 8-3: Static load tests (fixed connectors) – Test 8c: Robustness of actuating lever (IEC 60512-8-3:2018)
- EN IEC 60512-15-2:2018
Connectors for electrical and electronic equipment – Tests and measurements – Part 15-2: Connector tests (mechanical) – Test 15b: Insert retention in housing (axial) (IEC 60512-15-2:2018)
- EN IEC 61076-2-111:2018
Connectors for electrical and electronic equipment – Product requirements – Part 2-111: Circular connectors – Detail specification for power connectors with M12 screw-locking (IEC 61076-2-111:2017)
- EN IEC 61076-3-119:2018
Connectors for electrical and electronic equipment – Product requirements – Part 3-119: Rectangular connectors – Detail specification for shielded and unshielded, free and fixed 10-way connectors with push-pull coupling for industrial environments for data transmission with frequencies up to 100 MHz (IEC 61076-3-119:2017)

31.240 Mehaničke konstrukcije za elektroničku opremu

Europska normizacija CENELEC

- EN IEC 60191-1:2018
Mechanical standardization of semiconductor devices – Part 1: General rules for the preparation of outline drawings of discrete devices (IEC 60191-1:2018)

Međunarodna normizacija IEC

- IEC 60191-4 AMD 1:2018
Mechanical standardization of semiconductor devices – Part 4: Coding system and classification into forms of package outlines for semiconductor device packages; Amendment 1
- IEC 60191-4 Edition 3.1:2018
Mechanical Standardization of Semiconductor Devices – Part 4: Coding system and classification into forms of package outlines for semiconductor device packages

33.060.20 Prijamna i odašiljačka oprema

Europska normizacija ETSI

- EN 300718-2 V 2.1.1:2018
Avalanche Beacons operating at 457 kHz – Transmitter-receiver systems – Part 2: Harmonised Standard for features for emergency services
- EN 302054 V 2.2.1:2018
Meteorological Aids (Met Aids) – Radiosondes to be used in the 400,15 MHz to 406 MHz frequency range with power levels ranging up to 200 mW – Harmonised Standard for access to radio spectrum

33.160.25 Televizijski prijammici

Europska normizacija CENELEC

- EN IEC 62731:2018
Text-to-speech for television – General requirements (IEC 62731:2018)

33.160.30 Audiosustavi

Europska normizacija CENELEC

- IEC 61937-2 AMD 2:2018
Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 2: Burst-info; Amendment 2
- IEC 61937-2 Edition 2.2:2018
Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 2: Burst-info

33.160.60 Multimedijski sustavi i telekonferencijska oprema

Europska normizacija CENELEC

- EN IEC 61938:2018
Multimedia systems – Guide to the recommended characteristics of analogue interfaces to achieve interoperability (IEC 61938:2018)

33.180.01 Svjetlovodni sustavi općenito

Europska normizacija CENELEC

- EN IEC 61281-1:2018
Fibre optic communication subsystems – Part 1: Generic specification (IEC 61281-1:2017)

33.180.10 Svjetlovodna vlakna i kabeli

Europska normizacija CENELEC

- EN IEC 60793-1-54:2018
Optical fibres – Part 1-54: Measurement methods and test procedures – Gamma irradiation (IEC 60793-1-54:2018)

33.180.20 Svjetlovodni vezne naprave

Europska normizacija CENELEC

- EN IEC 61754-7-2:2018
Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 7-2: Type MPO connector family – Two fibre rows (IEC 61754-7-2:2017)

33.180.30 Optička pojačala

Europska normizacija CENELEC

- EN IEC 62343-5-2:2018
Dynamic modules – Part 5-2: Test methods – 1xN fixed-grid WSS – Dynamic crosstalk measurement (IEC 62343-5-2:2018)

33.200 Daljinsko upravljanje. Daljinsko mjerjenje

Europska normizacija CEN

- EN 13757-2:2018
Communication systems for meters – Part 2: Wired M-Bus communication
- EN 13757-3:2018
Communication systems for meters – Part 3: Application protocols
- EN 13757-7:2018
Communication systems for meters – Part 7: Transport and security services
- CEN/TR 17167:2018
Communication system for meters – Accompanying TR to EN 13757-2,-3 and -7, Examples and supplementary information

Međunarodna normizacija IEC

- IEC 61970-456:2018
Energy management system application program interface (EMS-API) – Part 456: Solved power system state profiles

35.020 Informacijska tehnologija (IT) općenito

Međunarodna normizacija ISO

- ISO/IEC 30134-1 AMD 1:2018
Information technology – Data centres – Key performance indicators – Part 1: Overview and general requirements; Amendment 1
- ISO/IEC 30134-3 AMD 1:2018
Information technology – Data centres – Key performance indicators – Part 3: Renewable energy factor (REF); Amendment 1

35.030 Informatička sigurnost

Europska normizacija CENELEC

- EN IEC 62443-4-1:2018
Security for industrial automation and control systems – Part 4-1: Secure product development lifecycle requirements (IEC 62443-4-1:2018)

35.040.30 Kodiranje grafičkih i fotografskih informacija

Međunarodna normizacija ISO

- ISO/IEC 18477-5:2018
Information technology – Scalable compression and coding of continuous-tone still images – Part 5: Reference software

35.040.40 Kodiranje audioinformacija, videoinformacija, multimedijjskih i hipermedijjskih informacija

Međunarodna normizacija ISO

- ISO/IEC 23002-4:2018
Information technology – MPEG video technologies – Part 4: Video tool library

- ISO/IEC 23008-2 AMD 1:2018
Information technology – High efficiency coding and media delivery in heterogeneous environments – Part 2: High efficiency video coding – Amendment 1: Additional colour representation code point

IEC

- IEC 61937-2 AMD 2:2018
Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 2: Burst-info; Amendment 2
- IEC 61937-2 Edition 2.2:2018
Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 2: Burst-info

35.100.10 Fizikalni sloj

Europska normizacija CEN

- EN 13757-2:2018
Communication systems for meters – Part 2: Wired M-Bus communication
- EN 13757-7:2018
Communication systems for meters – Part 7: Transport and security services

35.100.20 Sloj veze između podataka

Europska normizacija CEN

- EN 13757-7:2018
Communication systems for meters – Part 7: Transport and security services

35.100.70 Sloj primjene

Europska normizacija CEN

- EN 13757-3:2018
Communication systems for meters – Part 3: Application protocols

35.200 Sučelna i spojna oprema

Europska normizacija CENELEC

- EN IEC 61938:2018
Multimedia systems – Guide to the recommended characteristics of analogue interfaces to achieve interoperability (IEC 61938:2018)

35.220.30 Optičke naprave za pohranu podataka

Međunarodna normizacija ISO

- ISO/IEC 29121:2018
Information technology – Digitally recorded media for information interchange and storage – Data migration method for optical disks for long-term data storage

35.240.15 Identifikacijske kartice i pripadajuće naprave

Europska normizacija CEN

- EN 419212-4:2018
Application Interface for Secure Elements for Electronic Identification, Authentication and Trusted Services – Part 4: Privacy specific Protocols

EN 419212-5:2018
Application Interface for Secure Elements for Electronic Identification, Authentication and Trusted Services – Part 5: Trusted eService

Međunarodna normizacija ISO

ISO/IEC 10373-6 AMD 3:2018
Identification cards – Test methods – Part 6: Proximity cards – Amendment 3: PICC loading effect

ISO/IEC 19784-1:2018
Information technology – Biometric application programming interface – Part 1: BioAPI specification

ISO/IEC 30136:2018
Information technology – Performance testing of biometric template protection schemes

35.240.50 Primjene informacijske tehnologije u industriji

Europska normizacija CENELEC

EN IEC 61804-2:2018
Function blocks (FB) for process control and electronic device description language (EDDL) – Part 2: Specification of FB concept (IEC 61804-2:2018)

EN IEC 62443-4-1:2018
Security for industrial automation and control systems – Part 4-1: Secure product development lifecycle requirements (IEC 62443-4-1:2018)

Međunarodna normizacija IEC

IEC 61970-456:2018
Energy management system application program interface (EMS-API) – Part 456: Solved power system state profiles

IEC 62325-301:2018
Framework for energy market communications – Part 301: Common information model (CIM) extensions for markets

35.240.80 Primjene informacijske tehnologije u tehnologiji zaštite zdravlja

Europska normizacija CEN

EN ISO 11073-10427:2018
Health informatics – Personal health device communication – Part 10427: Device specialization – Power status monitor of personal health devices (ISO/IEEE 11073-10427:2018)

35.240.99 Primjene IT-a u ostalim područjima

Europska normizacija CEN

EN 13757-2:2018
Communication systems for meters – Part 2: Wired M-Bus communication

EN 13757-3:2018
Communication systems for meters – Part 3: Application protocols

CEN/TR 17167:2018
Communication system for meters – Accompanying TR to EN 13757-2,-3 and -7, Examples and supplementary information

Međunarodna normizacija IEC

IEC 62386-217:2018
Digital addressable lighting interface – Part 217: Particular requirements for control gear – Thermal gear protection (device type 16)

IEC 62386-218:2018
Digital addressable lighting interface – Part 218: Particular requirements for control gear – Dimming curve selection (device type 17)

IEC 62386-224:2018
Digital addressable lighting interface – Part 224: Particular requirements for control gear – Non-replaceable light source (device type 23)

43.040.10 Električna i elektronička oprema

Međunarodna normizacija ISO

ISO 19453-1:2018
Road vehicles – Environmental conditions and testing for electrical and electronic equipment for drive system of electric propulsion vehicles – Part 1: General

ISO 19453-3:2018
Road vehicles – Environmental conditions and testing for electrical and electronic equipment for drive system of electric propulsion vehicles – Part 3: Mechanical loads

ISO 19453-4:2018
Road vehicles – Environmental conditions and testing for electrical and electronic equipment for drive system of electric propulsion vehicles – Part 4: Climatic loads

ISO 19453-5:2018
Road vehicles – Environmental conditions and testing for electrical and electronic equipment for drive system of electric propulsion vehicles – Part 5: Chemical loads

IEC

IEC 62969-2:2018
Semiconductor devices – Semiconductor interface for automotive vehicles – Part 2: Efficiency evaluation methods of wireless power transmission using resonance for automotive vehicles sensors

43.060.10 Blok motora i unutarnji sastavni dijelovi

Međunarodna normizacija ISO

ISO 6621-1:2018
Internal combustion engines – Piston rings – Part 1: Vocabulary

43.060.20 Sustavi za komprimiranje i sustavi za dovod zraka i odvod ispušnih plinova

Međunarodna normizacija ISO

ISO 5011 AMD 1:2018
Inlet air cleaning equipment for internal combustion engines and compressors – Performance testing – Amendment 1

43.060.40 Sustavi goriva

Međunarodna normizacija ISO

ISO 2974:2018
Diesel engines – 60° female cones for high-pressure fuel injection components

43.120 Električna cestovna vozila

Međunarodna normizacija ISO

- ISO 15118-4:2018
Road vehicles – Vehicle to grid communication interface
– Part 4: Network and application protocol conformance test
- ISO 15118-5:2018
Road vehicles – Vehicle to grid communication interface
– Part 5: Physical layer and data link layer conformance test

45.060.01 Željeznička tračnička vozila općenito

Međunarodna normizacija IEC

- IEC 62973-1:2018
Railway applications – Rolling stock – Batteries for auxiliary
power supply systems – Part 1: General requirements

45.060.10 Vučna vozila

Europska normizacija CENELEC

- EN 60310:2016/AC:2018
Railway applications – Traction transformers and inductors on
board rolling Stock (IEC 60310:2016/COR1:2018)

47.020.60 Električna oprema brodova i pomorskih konstrukcija

Europska normizacija CENELEC

- EN IEC 62613-1:2018
Plugs, socket-outlets and ship couplers for high-voltage shore
connection systems (HVSC-Systems) – Part 1: General
requirements (IEC 62613-1:2011)
- EN IEC 62613-2:2018
Plugs, socket-outlets and ship couplers for high-voltage shore
connection systems (HVSC-systems) – Part 2: Dimensional
compatibility and interchangeability requirements
for accessories to be used by various types of ships
(IEC 62613-2:2016)

49.080 Hidraulični i pneumatski sustavi i sastavni dijelovi za zrakoplove

Međunarodna normizacija ISO

- ISO 8625-1:2018
Aerospace – Fluid systems – Vocabulary – Part 1: General
terms and definitions related to pressure
- ISO 8625-2:2018
Aerospace – Fluid systems – Vocabulary – Part 2: General
terms and definitions relating to flow
- ISO 8625-3:2018
Aerospace – Fluid systems – Vocabulary – Part 3: General
terms and definitions relating to temperature
- ISO 22431:2018
Aerospace series – Pipe coupling 8°30' – Dynamic beam seal
end for ferrule, welded – Geometric configuration
- ISO 22433:2018
Aerospace series – Pipe coupling 8°30' – Dynamic beam seal
end for elbows, tees and crosses – Geometric configuration
- ISO 22436:2018
Aerospace series – Pipe coupling 8°30' – Thread end
– Geometric configuration

- ISO 22437:2018
Aerospace series – Pipe coupling 8°30' in titanium alloy – Nut
for welded ferrule

- ISO 22438:2018
Aerospace series – Pipe coupling 8°30' in titanium alloy
– Thrust wires

49.090 Oprema i instrumenti u zrakoplovu

Međunarodna normizacija IEC

- IEC/TR 62240-1:2018
Process management for avionics – Electronic components
capability in operation – Part 1: Temperature uprating

59.060.01 Tekstilna vlakna općenito

Međunarodna normizacija ISO

- ISO 20418-1:2018
Textiles – Qualitative and quantitative proteomic analysis of
some animal hair fibres – Part 1: Peptide detection using
LC-ESI-MS with protein reduction

59.080.01 Tekstili općenito

Međunarodna normizacija ISO

- ISO 3175-4:2018
Textiles – Professional care, drycleaning and wetcleaning
of fabrics and garments – Part 4: Procedure for testing
performance when cleaning and finishing using simulated
wetcleaning
- ISO 15496:2018
Textiles – Measurement of water vapour permeability of
textiles for the purpose of quality control
- ISO/TR 17881-3:2018
Textiles – Determination of certain flame retardants – Part 3:
Chlorinated paraffin flame retardants

59.080.30 Tekstilni proizvodi

Međunarodna normizacija ISO

- ISO 811:2018
Textiles – Determination of resistance to water penetration
– Hydrostatic pressure test

59.080.70 Geotekstili

Europska normizacija CEN

- EN 13361:2018
Geosynthetic barriers – Characteristics required for use in the
construction of reservoirs and dams
- EN 13362:2018
Geosynthetic Barriers – Characteristics required for use in the
construction of canals
- EN 13491:2018
Geosynthetic barriers – Characteristics required for use in the
construction of tunnels and associated underground
structures
- EN 13492:2018
Geosynthetic barriers – Characteristics required for use in the
construction of liquid waste disposal sites, transfer stations or
secondary containment
- EN 13493:2018
Geosynthetic barriers – Characteristics required for use in the
construction of solid waste storage and disposal sites

EN 15382:2018
Geosynthetic barriers – Characteristics required for use in transportation infrastructure

EN 16993:2018
Geosynthetic barriers – Characteristics required for use in the construction of storage lagoons, secondary containment (above and below ground) and other containment applications for chemicals, polluted water and produced liquids

EN 16994:2018
Clay Geosynthetic Barriers – Characteristics required for use in the construction of underground structures (other than tunnels and associated structures)

61.060 Obuća

Međunarodna normizacija ISO

- ISO 18896:2018
Footwear – Test methods for shanks – Longitudinal stiffness
- ISO 20863:2018
Footwear – Test methods for stiffeners and toepuffs – Bondability
- ISO 20866:2018
Footwear – Test methods for insoles – Delamination resistance
- ISO 20867:2018
Footwear – Test methods for insoles – Heel pin holding strength
- ISO 20871:2018
Footwear – Test methods for outsoles – Abrasion resistance
- ISO 20872:2018
Footwear – Test methods for outsoles – Tear strength
- ISO 20873:2018
Footwear – Test methods for outsoles – Dimensional stability
- ISO 20874:2018
Footwear – Test methods for outsoles – Needle tear strength
- ISO 20875:2018
Footwear – Test methods for outsoles – Determination of split tear strength and delamination resistance
- ISO 20876:2018
Footwear – Test methods for insoles – Resistance to stitch tear
- ISO 22650:2018
Footwear – Test methods for whole shoe – Heel attachment

65.080 Gnojiva

Međunarodna normizacija ISO

- ISO 7409:2018
Fertilizers – Marking – Presentation and declarations

67.100.30 Sir

Međunarodna normizacija ISO

- ISO 9233-1:2018
Cheese, cheese rind and processed cheese – Determination of natamycin content – Part 1: Molecular absorption spectrometric method for cheese rind
- ISO 9233-2:2018
Cheese, cheese rind and processed cheese – Determination of natamycin content – Part 2: High-performance liquid chromatographic method for cheese, cheese rind and processed cheese

67.250 Materijali i predmeti u dodiru s hranom

Europska normizacija CEN

- EN ISO 8442-9:2018
Materials and articles in contact with foodstuffs – Cutlery and table holloware – Part 9: Requirements for ceramic knives (ISO 8442-9:2018)

71.040.40 Kemijska analiza

Međunarodna normizacija ISO

- ISO 20289:2018
Surface chemical analysis – Total reflection X-ray fluorescence analysis of water
- ISO 20411:2018
Surface chemical analysis – Secondary ion mass spectrometry – Correction method for saturated intensity in single ion counting dynamic secondary ion mass spectrometry

71.040.50 Fizikalnokemijske metode analize

Međunarodna normizacija ISO

- ISO 25498:2018
Microbeam analysis – Analytical electron microscopy – Selected area electron diffraction analysis using a transmission electron microscope

71.080.60 Alkoholi. Eteri

Europska normizacija CEN

- CEN/TR 15993:2018
Automotive fuels – Ethanol (E85) automotive fuel – Background to the parameters required and their respective limits and determination

73.060.10 Željezove rude

Međunarodna normizacija ISO

- ISO 21283:2018
Iron ores – Determination of specific surface area – Test method using air-permeability apparatus (Blaine)

75.160.20 Tekuća goriva

Europska normizacija CEN

- EN 13016-1:2018
Liquid petroleum products – Vapour pressure – Part 1: Determination of air saturated vapour pressure (ASVP) and calculated dry vapour pressure equivalent (DVPE)
- EN 13016-3:2018
Liquid petroleum products – Vapour pressure – Part 3: Determination of vapour pressure and calculated dry vapour pressure equivalent (DVPE) (Triple Expansion Method)
- CEN/TR 15993:2018
Automotive fuels – Ethanol (E85) automotive fuel – Background to the parameters required and their respective limits and determination

75.200 Oprema za rukovanje naftnim proizvodima i prirodnim plinom

Europska normizacija CEN

- EN ISO 16923:2018
Natural gas fuelling stations – CNG stations for fuelling vehicles (ISO 16923:2016)
- EN ISO 16924:2018
Natural gas fuelling stations – LNG stations for fuelling vehicles (ISO 16924:2016)

77.040.10 Mehaničko ispitivanje metala

Europska normizacija CEN

- EN ISO 6507-4:2018
Metallic materials – Vickers hardness test – Part 4: Tables of hardness values (ISO 6507-4:2018)
- EN ISO 7500-1:2018
Metallic materials – Calibration and verification of static uniaxial testing machines – Part 1: Tension/compression testing machines – Calibration and verification of the force-measuring system (ISO 7500-1:2018)

Međunarodna normizacija ISO

- ISO 4506:2018
Hardmetals – Compression test

77.080.01 Metali na bazi željeza općenito

Međunarodna normizacija ISO

- ISO 4829-1:2018
Steel and cast iron – Determination of total silicon contents – Reduced molybdsilicate spectrophotometric method – Part 1: Silicon contents between 0,05 % and 1,0 %

77.140.01 Proizvodi od željeznog lijeva i čelika općenito

Europska normizacija CEN

- EN ISO 4885:2018
Ferrous materials – Heat treatments – Vocabulary (ISO 4885:2018)

77.160 Metalurgija praha

Međunarodna normizacija ISO

- ISO 4506:2018
Hardmetals – Compression test

79.120.10 Strojevi za obradu drva

Međunarodna normizacija ISO

- ISO 19085-4:2018
Woodworking machines – Safety – Part 4: Vertical panel circular sawing machines
- ISO 19085-10:2018
Woodworking machines – Safety – Part 10: Building site saws (contractor saws)

81.060.30 Tehnička keramika

Međunarodna normizacija ISO

- ISO 19652:2018
Fine ceramics (advanced ceramics, advanced technical ceramics) – Test method for complete decomposition performance of semiconducting photocatalytic materials under indoor lighting environment – Decomposition of acetaldehyde
- ISO 20323:2018
Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at ambient temperature in air atmospheric pressure – Determination of tensile properties of tubes

83.080.01 Plastika općenito

Europska normizacija CEN

- EN ISO 11357-6:2018
Plastics – Differential scanning calorimetry (DSC) – Part 6: Determination of oxidation induction time (isothermal OIT) and oxidation induction temperature (dynamic OIT) (ISO 11357-6:2018)

Međunarodna normizacija ISO

- ISO 11357-3:2018
Plastics – Differential scanning calorimetry (DSC) – Part 3: Determination of temperature and enthalpy of melting and crystallization
- ISO 11357-6:2018
Plastics – Differential scanning calorimetry (DSC) – Part 6: Determination of oxidation induction time (isothermal OIT) and oxidation induction temperature (dynamic OIT)

83.100 Pjenasti materijali

Međunarodna normizacija ISO

- ISO 4898:2018
Rigid cellular plastics – Thermal insulation products for buildings – Specifications

83.140.40 Crijeva

Međunarodna normizacija ISO

- ISO 21012:2018
Cryogenic vessels – Hoses

83.140.50 Brtve

Međunarodna normizacija ISO

- ISO 9631:2018
Rubber seals – Joint rings for pipelines for hot-water supply up to 110 °C – Specification for the material

83.140.99 Ostali gumeni i plastični proizvodi

Međunarodna normizacija ISO

- ISO 20819:2018
Plastics – Wood-plastic recycled composites (WPRC) – Specification

87.020 Procesi premazivanja bojom

Europska normizacija CEN

EN ISO 12944-5:2018
Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 5: Protective paint systems (ISO 12944-5:2018)

87.060.10 Pigmenti i punila

Međunarodna normizacija ISO

ISO 18473-3:2018
Functional pigments and extenders for special application – Part 3: Fumed silica for silicone rubber application

91.100.01 Građevni materijali općenito

Europska normizacija CEN

EN ISO 12570:2000/A2:2018
Hygrothermal performance of building materials and products – Determination of moisture content by drying at elevated temperature (ISO 12570:2000/Amd 2:2018)

Međunarodna normizacija ISO

ISO 12570 AMD 2:2018
Hygrothermal performance of building materials and products – Determination of moisture content by drying at elevated temperature; Amendment 2

91.100.23 Keramičke pločice

Europska normizacija CEN

EN ISO 10545-3:2018
Ceramic tiles – Part 3: Determination of water absorption, apparent porosity, apparent relative density and bulk density (ISO 10545-3:2018)

91.100.50 Veziva. Materijali za brtvljenje

Europska normizacija CEN

EN 13361:2018
Geosynthetic barriers – Characteristics required for use in the construction of reservoirs and dams

EN 13362:2018
Geosynthetic Barriers – Characteristics required for use in the construction of canals

EN 13491:2018
Geosynthetic barriers – Characteristics required for use in the construction of tunnels and associated underground structures

EN 13492:2018
Geosynthetic barriers – Characteristics required for use in the construction of liquid waste disposal sites, transfer stations or secondary containment

EN 13493:2018
Geosynthetic barriers – Characteristics required for use in the construction of solid waste storage and disposal sites

EN 16993:2018
Geosynthetic barriers – Characteristics required for use in the construction of storage lagoons, secondary containment (above and below ground) and other containment applications for chemicals, polluted water and produced liquids

EN 16994:2018
Clay Geosynthetic Barriers – Characteristics required for use in the construction of underground structures (other than tunnels and associated structures)

91.100.60 Materijali za toplinsku i zvučnu izolaciju

Međunarodna normizacija ISO

ISO 4898:2018
Rigid cellular plastics – Thermal insulation products for buildings – Specifications

91.120.40 Zaštita od groma

Europska normizacija CENELEC

EN IEC 62561-2:2018
Lightning protection system components (LPSC) – Part 2: Requirements for conductors and earth electrodes (IEC 62561-2:2018)

EN IEC 62561-6:2018
Lightning protection system components (LPSC) – Part 6: Requirements for lightning strike counters (LSC) (IEC 62561-6:2018)

EN IEC 62561-7:2018
Lightning protection system components (LPSC) – Part 7: Requirements for earthing enhancing compounds (IEC 62561-7:2018)

91.140.10 Sustavi centralnoga grijanja

Europska normizacija CEN

EN 12977-1:2018
Thermal solar systems and components – Custom built systems – Part 1: General requirements for solar water heaters and combisystems

EN 12977-2:2018
Thermal solar systems and components – Custom built systems – Part 2: Test methods for solar water heaters and combisystems

EN 12977-3:2018
Thermal solar systems and components – Custom built systems – Part 3: Performance test methods for solar water heater stores

91.140.40 Sustavi opskrbe plinom

Europska normizacija CEN

EN 12261:2018
Gas meters - Turbine gas meters

91.140.50 Sustavi opskrbe električnom energijom

Europska normizacija CEN

EN 13757-2:2018
Communication systems for meters – Part 2: Wired M-Bus communication

EN 13757-3:2018
Communication systems for meters – Part 3: Application protocols

CEN/TR 17167:2018
Communication system for meters – Accompanying TR to EN 13757-2,-3 and -7, Examples and supplementary information

Međunarodna normizacija IEC

- IEC 60364-7-711:2018
Low voltage electrical installations – Part 7-711: Requirements for special installations or locations – Exhibitions, shows and stands
- IEC 62052-11 AMD 1 Corrigendum 1:2018
Electricity metering equipment (a.c.) – General requirements, tests and test conditions – Part 11: Metering equipment; Amendment 1; Corrigendum 1
- IEC 62052-21 AMD 1 Corrigendum 1:2018
Electricity metering equipment (a.c.) – General requirements, tests and test conditions – Part 21: Tariff and load control equipment; Amendment 1; Corrigendum 1
- IEC 62053-11 AMD 1 Corrigendum 1:2018
Electricity metering equipment (a.c.) – Particular requirements – Part 11: Electromechanical meters for active energy (classes 0,5, 1 and 2); Amendment 1; Corrigendum 1
- IEC 62053-21 AMD 1 Corrigendum 1:2018
Electricity metering equipment (a.c.) – Particular requirements – Part 21: Static meters for active energy (classes 1 and 2); Amendment 1; Corrigendum 1
- IEC 62053-22 AMD 1 Corrigendum 1:2018
Electricity metering equipment (a.c.) – Particular requirements – Part 22: Static meters for active energy (classes 0,2 S and 0,5 S); Amendment 1; Corrigendum 1
- IEC 62053-23 AMD 1 Corrigendum 1:2018
Electricity metering equipment (a.c.) – Particular requirements – Part 23: Static meters for reactive energy (classes 2 and 3); Amendment 1; Corrigendum 1
- IEC 62053-24 AMD 1 Corrigendum 1:2018
Electricity metering equipment (a.c.) – Particular requirements – Part 24: Static meters for reactive energy at fundamental frequency (classes 0,5 S, 1 S and 1); Amendment 1; Corrigendum 1
- IEC 62054-11 AMD 1 Corrigendum 1:2018
Electricity metering (a.c.) – Tariff and load control – Part 11: Particular requirements for electronic ripple control receivers; Amendment 1; Corrigendum 1
- IEC 62054-21 AMD 1 Corrigendum 1:2018
Electricity metering (AC) – Tariff and load control – Part 21: Particular requirements for time switches; Amendment 1; Corrigendum 1
- IEC 62055-41:2018
Electricity metering – Payment systems – Part 41: Standard transfer specification (STS) – Application layer protocol for one-way token carrier systems

91.140.65 Oprema za grijanje vode

Europska normizacija CEN

- EN 12977-1:2018
Thermal solar systems and components – Custom built systems – Part 1: General requirements for solar water heaters and combisystems
- EN 12977-2:2018
Thermal solar systems and components – Custom built systems – Part 2: Test methods for solar water heaters and combisystems
- EN 12977-3:2018
Thermal solar systems and components – Custom built systems – Part 3: Performance test methods for solar water heater stores

91.140.70 Sanitarne instalacije

Europska normizacija CEN

- CEN/TR 17221:2018
Guidance on the application of CE marking and preparation of Declaration of Performance for sanitary appliances

91.140.80 Odvodni sustavi

Europska normizacija CEN

- EN ISO 11296-1:2018
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 1: General (ISO 11296-1:2018)
- EN ISO 11297-1:2018
Plastics piping systems for renovation of underground drainage and sewerage networks under pressure – Part 1: General (ISO 11297-1:2018)

Međunarodna normizacija ISO

- ISO 21225-1:2018
Plastics piping systems for the trenchless replacement of underground pipeline networks – Part 1: Replacement on the line by pipe bursting and pipe extraction
- ISO 21225-2:2018
Plastics piping systems for the trenchless replacement of underground pipeline networks – Part 2: Replacement off the line by horizontal directional drilling and impact moling

91.140.90 Dizala. Pokretne stube

Europska normizacija CEN

- EN 81-21:2018
Safety rules for the construction and installation of lifts – Lifts for the transport of persons and goods – Part 21: New passenger and goods passenger lifts in existing building

91.160.10 Unutrašnja rasvjeta

Međunarodna normizacija ISO

- ISO/CIE 8995-3:2018
Lighting of work places – Part 3: Lighting requirements for safety and security of outdoor work places

93.020 Zemljani radovi. Iskopavanja. Temeljenje. Podzemni radovi

Europska normizacija CEN

- EN ISO 17892-8:2018
Geotechnical investigation and testing – Laboratory testing of soil – Part 8: Unconsolidated undrained triaxial test (ISO 17892-8:2018)
- EN ISO 17892-9:2018
Geotechnical investigation and testing – Laboratory testing of soil – Part 9: Consolidated triaxial compression tests on water saturated soils (ISO 17892-9:2018)

Međunarodna normizacija ISO

- ISO 22477-4:2018
Geotechnical investigation and testing – Testing of geotechnical structures – Part 4: Testing of piles: dynamic load testing

93.025 Vanjski vodovodni sustavi

Europska normizacija CEN

- EN ISO 11298-1:2018
Plastics piping systems for renovation of underground water supply networks – Part 1: General (ISO 11298-1:2018)

93.030 Vanjski kanalizacijski sustavi

Europska normizacija
CEN

- EN 13476-1:2018
Plastics piping systems for non-pressure underground drainage and sewerage – Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 1: General requirements and performance characteristics
- EN 13476-2:2018
Plastics piping systems for non-pressure underground drainage and sewerage – Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 2: Specifications for pipes and fittings with smooth internal and external surface and the system, Type A
- EN 13476-3:2018
Plastics piping systems for non-pressure underground drainage and sewerage – Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 3: Specifications for pipes and fittings with smooth internal and profiled external surface and the system, Type B
- EN ISO 11296-1:2018
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 1: General (ISO 11296-1:2018)
- EN ISO 11297-1:2018
Plastics piping systems for renovation of underground drainage and sewerage networks under pressure – Part 1: General (ISO 11297-1:2018)

93.080.20 Materijali za gradnju cesta

Europska normizacija
CEN

- EN 15382:2018
Geosynthetic barriers – Characteristics required for use in transportation infrastructure

93.100 Gradnja željezničkih pruga

Europska normizacija
CEN

- EN 16729-3:2018
Railway applications – Infrastructure – Non-destructive testing on rails in track – Part 3: Requirements for identifying internal and surface rail defects

97.020 Kućno gospodarstvo općenito

Međunarodna normizacija
ISO

- ISO/IEC Guide 14:2018
Products and related services – Information for consumers

97.040.30 Kućanski rashladni uređaji

Međunarodna normizacija
IEC

- IEC 60335-2-24 AMD 2 Interpretation Sheet 1:2018
Household and similar electrical appliances – Safety – Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers; Amendment 2; Interpretation sheet 1

97.040.60 Pribor za kuhanje, pribor za jelo i tanjuri

Europska normizacija
CEN

- EN ISO 8442-9:2018
Materials and articles in contact with foodstuffs – Cutlery and table holloware – Part 9: Requirements for ceramic knives (ISO 8442-9:2018)

97.140 Namještaj

Međunarodna normizacija
ISO

- ISO 19833:2018
Furniture – Beds – Test methods for the determination of stability, strength and durability

97.200.10 Oprema za kazalište, scenu i studio

Europska normizacija
CENELEC

- EN IEC 60598-2-17:2018
Luminaires – Part 2-17: Particular requirements – Luminaires for stage lighting, television and film studios (outdoor and indoor) (IEC 60598-2-17:2017)

97.200.50 Igračke

Međunarodna normizacija
ISO

- ISO 8124-1:2018
Safety of toys – Part 1: Safety aspects related to mechanical and physical properties

97.220.10 Sportski objekti

Europska normizacija
CEN

- EN 16837:2018
Surfaces for sports areas – Determination of linear shoe/surface friction

97.220.20 Oprema za zimske sportove

Europska normizacija
ETSI

- EN 300718-2 V 2.1.1:2018-01
Avalanche Beacons operating at 457 kHz – Transmitter-receiver systems – Part 2: Harmonised Standard for features for emergency services