

Hrvatski zavod za norme

Oglasnik za normativne dokumente

5/2018 svibanj, 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 nacрте 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 5, *Metalne cijevi i priključci*

HRN EN 1092-1:2018 en pr
Prirubnice i njihovi spojevi – Kružne prirubnice za cijevi, ventile, spojne dijelove i pribor, označene PN oznakom – 1. dio: Čelične prirubnice (EN 1092-1:2018)
Flanges and their joints – Circular flanges for pipes, valves, fittings and accessories, PN designated – Part 1: Steel flanges (EN 1092-1:2018)

HZN/TO 8, *Brodogradnja*

HRN EN ISO 15085:2005/A2:2018 en pr
Mala plovila – Čovjek u moru, sprečavanje i spašavanje (ISO 15085:2003/Amd 2:2017; EN ISO 15085:2003/A2:2018)
Small craft – Man-overboard prevention and recovery (ISO 15085:2003/Amd 2:2017; EN ISO 15085:2003/A2:2018)

HZN/TO 21, *Protupožarna i vatrogasna oprema*

HRN ISO 8201:2018 en pr
Sustavi za dojavu – Čujni signal za hitnu evakuaciju – Zahtjevi (ISO 8201:2017)
Alarm systems – Audible emergency evacuation signal – Requirements (ISO 8201:2017)

HZN/TO 22, *Cestovna vozila*

HRN EN 1645-1:2018 en pr
Vozila za odmor – Prikolice za stanovanje (kamp-prikolice) – 1. dio: Smještajni zahtjevi koji se odnose na zdravlje i sigurnost (EN 1645-1:2018)
Leisure accommodation vehicles – Caravans – Part 1: Habitation requirements relating to health and safety (EN 1645-1:2018)

HZN/TO 25, *Ljevarstvo*

HRN EN 287-6:2018 en pr
Provjera osposobljenosti zavarivača – Zavarivanje taljenjem – 6. dio: Željezni lijev (EN 287-6:2018)
Qualification test of welders – Fusion welding – Part 6: Cast iron (EN 287-6:2018)

HRN EN 1011-8:2018 en pr
Zavarivanje – Preporuke za zavarivanje metalnih materijala – 8. dio: Zavarivanje željeznih lijevova (EN 1011-8:2018)
Welding – Recommendations for welding of metallic materials – Part 8: Welding of cast irons (EN 1011-8:2018)

HZN/TO 92, *Zaštita od požara*

HRN EN 1366-11:2018 en pr
Ispitivanja otpornosti na požar servisnih instalacija – 11. dio: Sustavi zaštite od požara za sustave kabela i pripadajuće dijelove (EN 1366-11:2018)
Fire resistance tests for service installations – Part 11: Fire protective systems for cable systems and associated components (EN 1366-11:2018)

HRN EN 15254-5:2018 en pr
Proširena primjena rezultata ispitivanja otpornosti na požar – Nenosivi zidovi – 5. dio: Konstrukcija metalnih sendvič panela (EN 15254-5:2018)
Extended application of results from fire resistance tests – Non-loadbearing walls – Part 5: Metal sandwich panel construction (EN 15254-5:2018)

HRN EN 15254-7:2018 en pr
Proširena primjena rezultata ispitivanja otpornosti na požar – Nenosivi stropovi – 7. dio: Konstrukcija metalnih sendvič panela (EN 15254-7:2018)
Extended application of results from fire resistance tests – Non-loadbearing ceilings – Part 7: Metal sandwich panel construction (EN 15254-7:2018)

HRN EN 15269-11:2018 en pr
Proširena primjena rezultata ispitivanja otpornosti na požar i/ili dimopropusnosti vrata, zaslona i prozora koji se mogu otvarati, uključujući pripadajući okov – 11. dio: Otpornost na požar zavjesa od tkanine koje se otvaraju (EN 15269-11:2018)
Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware – Part 11: Fire resistance for operable fabric curtains (EN 15269-11:2018)

HZN/TO 120, *Koža i obuća*

HRN EN ISO 20863:2018 en pr
Obuća – Metode ispitivanja lubova i kapica – Povezanost (ISO 20863:2018; EN ISO 20863:2018)
Footwear – Test methods for stiffeners and toepuffs – Bondability (ISO 20863:2018; EN ISO 20863:2018)

HZN/TO 136, *Namještaj*

HRI CEN/TR 17202:2018 en pr
Namještaj – Opće sigurnosne smjernice – Opasna mjesta za prste (CEN/TR 17202:2018)
Furniture – General safety guidelines – Entrapment of fingers (CEN/TR 17202:2018)

HZN/TO 146, *Kvaliteta zraka*

HRN EN 689:2018 en pr
Profesionalna izloženost – Mjerenje izloženosti udisanjem kemijskih agensa – Strategija za provjeru usklađenosti s graničnim vrijednostima profesionalne izloženosti (EN 689:2018)
Workplace exposure – Measurement of exposure by inhalation to chemical agents – Strategy for testing compliance with occupational exposure limit values (EN 689:2018)

HZN/TO 172, *Optika i optički instrumenti*

HRN EN ISO 11979-7:2018 en pr
Oftalmološki implantati – Intraokularne leće – 7. dio: Klinička istraživanja intraokularnih leća s obzirom na korekciju afakije (ISO 11979-7:2018; EN ISO 11979-7:2018)
Ophthalmic implants – Intraocular lenses – Part 7: Clinical investigations of intraocular lenses for the correction of aphakia (ISO 11979-7:2018; EN ISO 11979-7:2018)

HRN EN ISO 11979-10:2018 en pr
Oftalmološki implantati – Intraokularne leće – 10. dio: Klinička istraživanja intraokularnih leća s obzirom na korekciju ametropije očiju s prirodnom lećom (ISO 11979-10:2018; EN ISO 11979-10:2018)
Ophthalmic implants – Intraocular lenses – Part 10: Clinical investigations of intraocular lenses for correction of ametropia in phakic eyes (ISO 11979-10:2018; EN ISO 11979-10:2018)

HRN EN ISO 12870:2018 en pr
Oftalmološka optika – Okviri za naočale – Zahtjevi i metode ispitivanja (ISO 12870:2016; EN ISO 12870:2018)
Ophthalmic optics – Spectacle frames – Requirements and test methods (ISO 12870:2016; EN ISO 12870:2018)

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

HRN EN 81-21:2018 en pr
Sigurnosna pravila za konstrukciju i ugradnju dizala – Dizala za transport osoba i tereta – 21. dio: Nova osobna dizala i osobna teretna dizala u postojećim zgradama (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 (EN 81-21:2018)

HRN EN 81-28:2018 en pr
Sigurnosna pravila za konstrukciju i ugradnju dizala – Dizala za prijevoz osoba i tereta – 28. dio: Daljinska dojava opasnosti na osobnim i osobno teretnim dizalima (EN 81-28:2018)
Safety rules for the construction and installation of lifts – Lifts for the transport of persons and goods – Part 28: Remote alarm on passenger and goods passenger lifts (EN 81-28:2018)

HZN/TO 182, Geotehničke konstrukcije

HRN EN ISO 22477-4:2018 en pr
Geotehničko istraživanje i ispitivanje – Ispitivanje geotehničkih konstrukcija – 4. dio: Ispitivanje pilota: Dinamičko ispitivanje (ISO 22477-4:2018; EN ISO 22477-4:2018)
Geotechnical investigation and testing – Testing of geotechnical structures – Part 4: Testing of piles: dynamic load testing (ISO 22477-4:2018; EN ISO 22477-4:2018)

HZN/TO 211, Geoinformacije/Geomatika

HRN EN ISO 19157:2014/A1:2018 en pr
Geographic information – Data quality – Amendment 1: Describing data quality using coverages (ISO 19157:2013/Amd 1:2018; EN ISO 19157:2013/A1:2018)

HZN/TO 503, Metalni materijali

HRN EN ISO 4829-1:2018 en pr
Čelik i željezni lijev – Određivanje ukupnog sadržaja silicija – Spektrofotometrijska metoda pomoću reduciranog molibdensilikata – 1. dio: Sadržaj silicija između 0,05 i 1,0 % (ISO 4829-1:2018; EN ISO 4829-1:2018)
Steel and cast iron – Determination of total silicon contents – Reduced molybdosilicate spectrophotometric method – Part 1: Silicon contents between 0,05 % and 1,0 % (ISO 4829-1:2018; EN ISO 4829-1:2018)

HRN EN 15024-2:2018 en pr
Bakar i legure bakra – Određivanje sadržaja cinka – 2. dio: Metoda plamene atomske apsorpcijske spektrometrije (FAAS) (EN 15024-2:2018)
Copper and copper alloys – Determination of zinc content – Part 2: Flame atomic absorption spectrometric method (FAAS) (EN 15024-2:2018)

HZN/TO 509, Cestovna oprema

HRS CEN/TS 16786:2018 en pr
Zaštitni cestovni sustavi – Ublaživači udara ugrađeni na teretno vozilo – Razredi izvedbe, kriterij prihvatljivosti ispitivanja udara i metode ispitivanja (CEN/TS 16786:2018)
Road restraint systems – Truck Mounted Attenuators – Performance classes, impact test acceptance criteria and test methods (CEN/TS 16786:2018)

HZN/TO 521, Usluge održavanja

HRN EN 16991:2018 en pr
Okvir za inspekciju utemeljenu na rizicima (EN 16991:2018)
Risk-based inspection framework (EN 16991:2018)

HZN/TO 525, Hidroizolacijski materijali i proizvodi za pokrivanje krovova

HRN EN 492:2018 en pr
Ploče i pomoćni dijelovi od cementa ojačanog vlaknima – Specifikacija proizvoda i metode ispitivanja (EN 492:2012+A2:2018)
Fibre-cement slates and fittings – Product specification and test methods (EN 492:2012+A2:2018)

HRN EN 12467:2018 en pr
Ravne ploče od cementa ojačanog vlaknima – Specifikacija proizvoda i metode ispitivanja (EN 12467:2012+A2:2018)
Fibre-cement flat sheets – Product specification and test methods (EN 12467:2012+A2:2018)

HZN/TO 528, Oprema za željeznice

HRN EN 16910-1:2018 en pr
Željeznički sustav – Željeznička vozila – Zahtjevi za nerazorna ispitivanja podvozja u željezničkom održavanju – 1. dio: Osovinski sklopovi (EN 16910-1:2018)
Railway applications – Rolling stock – Requirements for non-destructive testing on running gear in railway maintenance – Part 1: Wheelsets (EN 16910-1:2018)

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

HRN EN 13135:2018 en pr
Granici – Sigurnost – Projektiranje – Zahtjevi za opremu (EN 13135:2013+A1:2018)
Cranes – Safety – Design – Requirements for equipment (EN 13135:2013+A1:2018)

HZN/TO 531, Plastika i guma

HRN EN ISO 11357-3:2018 en pr
Plastika – Diferencijalna pretražna kalorimetrija – 3. dio: Određivanje tališta, kristališta i entalpije taljenja i kristalizacije (ISO 11357-3:2018; EN ISO 11357-3:2018)
Plastics – Differential scanning calorimetry (DSC) – Part 3: Determination of temperature and enthalpy of melting and crystallization (ISO 11357-3:2018; EN ISO 11357-3:2018)

HZN/TO 534, Spremnici za teret

HRN EN ISO 21028-2:2018 en pr
Kriogenične posude – Zahtjevi za žilavost za materijale pri niskim temperaturama – 2. dio: Temperature između -80 °C i -20 °C (ISO 21028-2:2018; EN ISO 21028-2:2018)
Cryogenic vessels – Toughness requirements for materials at cryogenic temperature – Part 2: Temperatures between -80 degrees C and -20 degrees C (ISO 21028-2:2018; EN ISO 21028-2:2018)

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

HRN EN 12216:2018 en,fr,de pr
Zaslони, vanjska sjenila, unutarnja sjenila – Nazivlje, glosarij i definicije (EN 12216:2018)
Shutters, external blinds, internal blinds – Terminology, glossary and definitions (EN 12216:2018)

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

HRN EN 12977-4:2018 en pr
Solarni toplinski sustavi i komponente – Sustavi izrađeni po narudžbi – 4. dio: Metode ispitivanja radnih značajka solarnih kombiniranih spremnika (EN 12977-4:2018)
Thermal solar systems and components – Custom built systems – Part 4: Performance test methods for solar combistores (EN 12977-4:2018)

HZN/TO 544, Strojni elementi

HRN EN 14399-9:2018 en pr
Visokočvrsti konstrukcijski predopterećeni vijčani spojevi – 9. dio: Sustav HR ili HV – Izravni indikatori opterećenja za spojeve vijka i matice (EN 14399-9:2018)
High-strength structural bolting assemblies for preloading – Part 9: System HR or HV – Direct tension indicators for bolt and nut assemblies (EN 14399-9:2018)

HRN EN 14399-10:2018 en pr
Visokočvrsti konstrukcijski predopterećeni vijčani spojevi – 10. dio: Sustav HRC – Spojevi vijka i matice s kalibriranim predopterećenjem (EN 14399-10:2018)
High-strength structural bolting assemblies for preloading – Part 10: System HRC – Bolt and nut assemblies with calibrated preload (EN 14399-10:2018)

HZN/TO 548, Konstrukcijski eurokodovi

HRN EN 1993-4-1:2014/NA:2018 hr-en izv
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 4-1: Silosi – Nacionalni dodatak
Eurocode 3: Design of steel structures – Part 4-1: Silos – National Annex

HRN EN 1993-4-2:2014/NA:2018 hr-en izv
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 4-2: Spremnici – Nacionalni dodatak
Eurocode 3: Design of steel structures – Part 4-2: Tanks – National Annex

HZN/TO 553, *Predgotovljeni proizvodi*

HRN EN 13369:2018 en pr
Opća pravila za predgotovljene betonske elemente
(EN 13369:2018)
Common rules for precast concrete products (EN 13369:2018)

HZN/TO 556, *Osobna zaštitna oprema*

HRN EN ISO 10256-2:2018 en pr
Zaštitna oprema za hokej na ledu – 2. dio: Zaštita glave za klizače (ISO 10256-2:2016; EN ISO 10256-2:2018)
Protective equipment for use in ice hockey – Part 2: Head protection for skaters (ISO 10256-2:2016; EN ISO 10256-2:2018)

HRN EN ISO 10256-3:2018 en pr
Zaštitna oprema za hokej na ledu – 3. dio: Štitnici za lice klizača (ISO 10256-3:2016; EN ISO 10256-3:2018)
Protective equipment for use in ice hockey – Part 3: Face protectors for skaters (ISO 10256-3:2016; EN ISO 10256-3:2018)

HRN EN ISO 10256-4:2018 en pr
Zaštitna oprema za hokej na ledu – 4. dio: Zaštita glave i lica za vratare (ISO 10256-4:2016; EN ISO 10256-4:2018)
Protective equipment for use in ice hockey – Part 4: Head and face protection for goalkeepers (ISO 10256-4:2016; EN ISO 10256-4:2018)

HZN/TO 557, *Zaštitna odjeća*

HRN EN ISO 18640-2:2018 en pr
Zaštitna odjeća za vatrogasce – Fiziološki utjecaj – 2. dio: Određivanje fiziološkoga toplinskog opterećenja uzrokovanog zaštitnom odjećom koju nose vatrogasci (ISO 18640-2:2018; EN ISO 18640-2:2018)
Protective clothing for firefighters – Physiological impact – Part 2: Determination of physiological heat load caused by protective clothing worn by firefighters (ISO 18640-2:2018; EN ISO 18640-2:2018)

HZN/TO 558, *Zaštita dišnih putova*

HRN EN 144-1:2018 en pr
Zaštitne naprave za disanje – Ventilni plinskih boca – 1. dio: Ulazni spojevi (EN 144-1:2018)
Respiratory protective devices – Gas cylinder valves – Part 1: Inlet connections (EN 144-1:2018)

HRN EN 144-2:2018 en pr
Zaštitne naprave za disanje – Ventilni plinskih boca – 2. dio: Izlazni spojevi (EN 144-2:2018)
Respiratory protective devices – Gas cylinder valves – Part 2: Outlet connections (EN 144-2:2018)

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

HRN EN 13445-3:2014/A4:2018 en pr
Neložene tlačne posude – 3. dio: Projektiranje (EN 13445-3:2014/A4:2018)
Unfired pressure vessels – Part 3: Design (EN 13445-3:2014/A4:2018)

HZN/TO 562, *Alatni strojevi i alati*

HRN EN ISO 19085-1:2017/Ispr.1:2018 en pr
Strojevi za obradu drveta – Sigurnost – 1. dio: Opći zahtjevi (EN ISO 19085-1:2017/AC:2018)
Woodworking machines – Safety – Part 1: Common requirements (EN ISO 19085-1:2017/AC:2018)

HRN EN ISO 19085-4:2018 en pr
Strojevi za obradu drveta – Sigurnost – 4. dio: Vertikalne kružne pile za ploče (ISO 19085-4:2018; EN ISO 19085-4:2018)
Woodworking machines – Safety – Part 4: Vertical panel circular sawing machines (ISO 19085-4:2018; EN ISO 19085-4:2018)

HZN/TO 566, *Mlijeko i mliječni proizvodi*

HRN EN ISO 9233-1:2018 en pr
Sir, kora sira i topljeni sir – Određivanje udjela natamicina – 1. dio: Metoda molekularne apsorpcijske spektrometrije za koru sira (ISO 9233-1:2018; EN ISO 9233-1:2018)
Cheese, cheese rind and processed cheese – Determination of natamycin content – Part 1: Molecular absorption spectrometric method for cheese rind (ISO 9233-1:2018; EN ISO 9233-1:2018)

HRN EN ISO 9233-2:2018 en pr
Sir, kora sira i topljeni sir – Određivanje udjela natamicina – 2. dio: Metoda tekućinske kromatografije visokog učinka za sir, koru sira i topljeni sir (ISO 9233-2:2018; EN 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 (ISO 9233-2:2018; EN ISO 9233-2:2018)

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

HRN EN ISO 11260:2018 en pr
Kvaliteta tla – Određivanje stvarnog kapaciteta zamjene kationa i stupnja zasićenosti bazama s otopinom barijeva klorida (ISO 11260:2018; EN ISO 11260:2018)
Soil quality – Determination of effective cation exchange capacity and base saturation level using barium chloride solution (ISO 11260:2018; EN ISO 11260:2018)

HRN EN ISO 14254:2018 en pr
Kvaliteta tla – Određivanje zamjenjive kiselosti ekstrakcijom s otopinom barijeva klorida (ISO 14254:2018; EN ISO 14254:2018)
Soil quality – Determination of exchangeable acidity using barium chloride solution as extractant (ISO 14254:2018; EN ISO 14254:2018)

HZN/TO E9, *Električna oprema za željeznicu*

HRN EN IEC 62928:2018 en pr
Željeznički sustav – Željeznička vozila – Litij-ionske vučne baterije u vozilu (IEC 62928:2017; EN IEC 62928:2018)
Railway applications – Rolling stock – Onboard lithium-ion traction batteries (IEC 62928:2017; EN IEC 62928:2018)

HZN/TO E13, *Oprema za mjerenje električne energije te upravljanje tarifom i potrošnjom*

HRN EN 62052-11:2008/A1:2017/Ispr.1:2018 en pr
Električna brojila za izmjeničnu struju – Opći zahtjevi, ispitivanja i ispitni uvjeti – 11. dio: Mjerna oprema (IEC 62052-11:2003/am1:2016/Corr.1:2018; EN 62052-11:2003/A1:2017/AC:2018)
Electricity metering equipment (AC) – General requirements, tests and test conditions – Part 11: Metering equipment (IEC 62052-11:2003/am1:2016/Corr.1:2018; EN 62052-11:2003/A1:2017/AC:2018)

HRN EN 62052-21:2008/A1:2017/Ispr.1:2018 en pr
Električna brojila za izmjeničnu struju – Opći zahtjevi, ispitivanja i ispitni uvjeti – 21. dio: Oprema za upravljanje tarifom i potrošnjom (IEC 62052-21:2004/am1:2016/Corr.1:2018; EN 62052-21:2004/A1:2017/AC:2018)
Electricity metering equipment (AC) – General requirements, tests and test conditions – Part 21: Tariff and load control equipment (IEC 62052-21:2004/am1:2016/Corr.1:2018; EN 62052-21:2004/A1:2017/AC:2018)

HRN EN 62053-11:2008/A1:2017/Ispr.1:2018 en pr
Električna brojila za izmjeničnu struju – Posebni zahtjevi – 11. dio: Elektromehanička brojila djelatne energije (razreda 0,5, 1 i 2) (IEC 62053-11:2003/am1:2016/Corr.1:2018; EN 62053-11:2003/A1:2017/AC:2018)
Electricity metering equipment (a.c.) – Particular requirements – Part 11: Electromechanical meters for active energy (classes 0,5, 1 and 2) (IEC 62053-11:2003/am1:2016/Corr.1:2018; EN 62053-11:2003/A1:2017/AC:2018)

HRN EN 62053-21:2008/A1:2017/Ispr.1:2018 en pr
Električna brojila za izmjeničnu struju – Posebni zahtjevi – 21. dio: Statička brojila djelatne energije (razreda 1 i 2) (IEC 62053-21:2003/am1:2016/Corr.1:2018; EN 62053-21:2003/A1:2017/AC:2018)
Electricity metering equipment (a.c.) – Particular requirements – Part 21: Static meters for active energy (classes 1 and 2) (IEC 62053-21:2003/am1:2016/Corr.1:2018; EN 62053-21:2003/A1:2017/AC:2018)

HRN EN 62053-22:2008/A1:2017/Ispr.1:2018 en pr
Električna brojila za izmjeničnu struju – Posebni zahtjevi – 22. dio: Statička brojila djelatne energije (razreda 0,2 S i 0,5 S) (IEC 62053-22:2003/am1:2016/Corr.1:2018; EN 62053-22:2003/A1:2017/AC:2018)
Electricity metering equipment (a.c.) – Particular requirements – Part 22: Static meters for active energy (classes 0,2 S and 0,5 S) (IEC 62053-22:2003/am1:2016/Corr.1:2018; EN 62053-22:2003/A1:2017/AC:2018)

HRN EN 62053-23:2008/A1:2017/Ispr.1:2018 en pr
Električna brojila za izmjeničnu struju – Posebni zahtjevi – 23. dio: Statička brojila jalove energije (razreda 2 i 3) (IEC 62053-23:2003/am1:2016/Corr.1:2018; EN 62053-23:2003/A1:2017/AC:2018)
Electricity metering equipment (a.c.) – Particular requirements – Part 23: Static meters for reactive energy (classes 2 and 3) (IEC 62053-23:2003/am1:2016/Corr.1:2018; EN 62053-23:2003/A1:2017/AC:2018)

HRN EN 62053-24:2015/A1:2017/Ispr.1:2018 en pr
Električna brojila za izmjeničnu struju – Posebni zahtjevi – 24. dio: Statička brojila jalove energije osnovne frekvencije (razreda 0,5 S, 1 S i 1) (IEC 62053-24:2014/am1:2016/Corr.1:2018; EN 62053-24:2015/A1:2017/AC: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) (IEC 62053-24:2014/am1:2016/Corr.1:2018; EN 62053-24:2015/A1:2017/AC:2018)

HRN EN 62054-11:2008/A1:2017/Ispr.1:2018 en pr
Mjerenje električne energije (izmjenična struja) – Upravljanje tarifom i potrošnjom – 11. dio: Posebni zahtjevi za elektroničke tonskofrekvencijske prijamnike za upravljanje (IEC 62054-11:2004/am1:2016/Corr.1:2018; EN 62054-11:2004/A1:2017/AC:2018)
Electricity metering (a.c.) – Tariff and load control – Part 11: Particular requirements for electronic ripple control receivers (IEC 62054-11:2004/am1:2016/Corr.1:2018; EN 62054-11:2004/A1:2017/AC:2018)

HRN EN 62054-21:2008/A1:2017/Ispr.1:2018 en pr
Mjerenje električne energije (izmjenična struja) – Upravljanje tarifom i potrošnjom – 21. dio: Posebni zahtjevi za sklopne satove (IEC 62054-21:2004/am1:2017/Corr.1:2018; EN 62054-21:2004/A1:2017/AC:2018)
Electricity metering (AC) – Tariff and load control – Part 21: Particular requirements for time switches (IEC 62054-21:2004/am1:2017/Corr.1:2018; EN 62054-21:2004/A1:2017/AC:2018)

HZN/TO E23, Električni instalacijski pribor

HRN EN 63024:2018 en pr
Zahtjevi za uređaje za automatsko zatvaranje (ARD) za osigurače i strujne zaštitne sklopke sa i bez združene nadstrujne zaštite (RCBO i RCCB) za kućanstvo i slične primjene (IEC 63024:2017; EN 63024:2018)
Requirements for automatic reclosing devices (ARDs) for circuit-breakers - RCBOs, RCCBs for household and similar uses (IEC 63024:2017; EN 63024:2018)

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

HRN EN 60081:2008/A11:2018 en pr
Fluorescentne cijevi s dva podnoška – Izvedbeni zahtjevi (EN 60081:1998/A11:2018)
Double-capped fluorescent lamps – Performance specifications (EN 60081:1998/A11:2018)

HRN EN IEC 60238:2018 en pr
Grla za žarulje s Edisonovim navojem (IEC 60238:2016; EN IEC 60238:2018)
Edison screw lampholders (IEC 60238:2016; EN IEC 60238:2018)

HRN EN IEC 61347-2-14:2018 en pr
Lamp controlgear – Part 2-14: Particular requirements for d.c. and/or a.c. supplied electronic controlgear for fluorescent induction lamps (IEC 61347-2-14:2018; EN IEC 61347-2-14:2018)

HRN EN 62504:2015/A1:2018 en pr
Opća rasvjeta – Svjetleće diode (LED) i pripadajuća oprema – Nazivi i definicije (IEC 62504:2014/am1:2018; EN 62504:2014/A1:2018)
General lighting – Light emitting diode (LED) products and related equipment – Terms and definitions (IEC 62504:2014/am1:2018; EN 62504:2014/A1:2018)

HZN/TO E45, Nuklearna instrumentacija

HRN EN 60846-2:2018 en pr
Instrumentacija u zaštiti od zračenja – Ambijentni i/ili usmjereni mjeraci doznog ekvivalenta (brzine doznog ekvivalenta) i/ili monitori za beta, X i gama zračenje – 2. dio: Prijenosni instrumenti za mjerenje doze i brzine doze beta zračenja visokog dosega i fotona namijenjeni zaštiti od zračenja u interventnim okolnostima (IEC 60846-2:2015, MOD; EN 60846-2:2018)
Radiation protection instrumentation – Ambient and/or directional dose equivalent (rate) meters and/or monitors for beta, X and gamma radiation – Part 2: High range beta and photon dose and dose rate portable instruments for emergency radiation protection purposes (IEC 60846-2:2015, MOD; EN 60846-2:2018)

HZN/TO E57, Upravljanje energetskim sustavom i pridružene komunikacije

HRN EN IEC 62325-301:2018 en pr
Tehnički okvir za komunikaciju na tržištu električnom energijom – 301. dio: Proširenje zajedničkog informacijskog modela (CIM) prema zahtjevima tržišta (IEC 62325-301:2018; EN IEC 62325-301:2018)
Framework for energy market communications – Part 301: Common Information Model (CIM) extensions for markets (IEC 62325-301:2018; EN IEC 62325-301:2018)

HZN/TO E62, Električna oprema u medicinskoj praksi

HRN EN IEC 62667:2018 en pr
Medical electrical equipment – Medical light ion beam equipment – Performance characteristics (IEC 62667:2017; EN IEC 62667:2018)

HZN/TO E72, Naprave za automatsko upravljanje u kućanstvu

HRN EN IEC 60730-2-13:2018 en pr
Električne naprave za automatsko upravljanje – Dio 2-13: Posebni zahtjevi za električne regulatore vlažnosti (IEC 60730-2-13:2017; EN IEC 60730-2-13:2018)
Automatic electrical controls – Part 2-13: Particular requirements for humidity sensing controls (IEC 60730-2-13:2017; EN IEC 60730-2-13:2018)

HRN EN IEC 60730-2-13:2018/Ispr.1:2018 en pr
Električne naprave za automatsko upravljanje – Dio 2-13: Posebni zahtjevi za električne regulatore vlažnosti (IEC 60730-2-13:2017/Corr.1:2018; EN IEC 60730-2-13:2018/AC:2018)
Automatic electrical controls – Part 2-13: Particular requirements for humidity sensing controls (IEC 60730-2-13:2017/Corr.1:2018; EN IEC 60730-2-13:2018/AC:2018)

HZN/TO E81, Zaštita od munje

HRN EN IEC 62561-6:2018/Ispr.1:2018 en pr
Komponente sustava zaštite od munje (LPSC) – 6. dio: Zahtjevi za brojače udara munja i prenapona (LSC) (EN IEC 62561-6:2018/AC:2018)
Lightning protection system components (LPSC) – Part 6: Requirements for lightning strike counters (LSC) (EN IEC 62561-6:2018/AC:2018)

HZN/TO E100, Audio, video i multimedijски sustavi te njihova oprema

HRN EN 50643:2018 en pr
Električna i elektronička kućanska i uredska oprema – Mjerenje mrežne potrošnje snage praznoga hoda krajnje opreme (EN 50643:2018)
Electrical and electronic household and office equipment – Measurement of networked standby power consumption of edge equipment (EN 50643:2018)

HRN EN IEC 62684:2018 en pr
Interoperability specifications of common external power supply (EPS) for use with data-enabled mobile telephones (IEC 62684:2018; EN IEC 62684:2018)

HRN EN 62702-1-1:2016/Ispr.1:2018 en pr
Sustav za audio pohranjivanje – Dio 1-1: DVD disk i migracija podataka za dugotrajno pohranjivanje audio podataka (IEC 62702-1-1:2016/Corr.1:2018; EN 62702-1-1:2016/AC:2018)
Audio Archive System – Part 1-1: DVD disk and data migration for long term audio data storage (IEC 62702-1-1:2016/Corr.1:2018; EN 62702-1-1:2016/AC:2018)

HZN/TO E106, *Elektromagnetska polja u ljudskome okolišu*

HRN EN 50527-2-2:2018 en pr
Postupak za procjenu izloženosti elektromagnetskim poljima radnika koji nose aktivne medicinske implantate – Dio 2-2: Posebna procjena za radnike s ugrađenim kardioverter-defibrilatorima (ICD) (EN 50527-2-2:2018)
Procedure for the assessment of the exposure to electromagnetic fields of workers bearing active implantable medical devices – Part 2-2: Specific assessment for workers with cardioverter defibrillators (ICDs) (EN 50527-2-2:2018)

HZN/TO E112, *Procjena i značajke električnih izolacijskih materijala i sustava*

HRN EN IEC 62631-2-1:2018 en pr
Dielektrična i otporna svojstva čvrstih izolacijskih materijala – Dio 2-1: Relativna permitivnost i faktor gubitaka – Tehničke frekvencije (0.1 Hz - 10 MHz), metode izmjenične struje (IEC 62631-2-1:2018; EN IEC 62631-2-1:2018)
Dielectric and resistive properties of solid insulating materials – Part 2-1: Relative permittivity and dissipation factor – Technical Frequencies (0.1 Hz - 10 MHz), AC Methods (IEC 62631-2-1:2018; EN IEC 62631-2-1:2018)

HZN/TO T4, *Normizacija u telekomunikacijama*

HRN EN 303 316 V1.2.1:2018 en pr
Širokopolasne izravne komunikacije zrak-zemlja – Oprema koja radi u frekvencijskim pojasi od 1 900 MHz do 1 920 MHz i od 5 855 MHz do 5 875 MHz – Antene s mogućnošću oblikovanja usmjerenog snopa – Harmonizirana norma za pristup radijskom spektru (EN 303 316 V1.2.1:2018)
Broadband Direct Air-to-Ground Communications – Equipment operating in the 1 900 MHz to 1 920 MHz and 5 855 MHz to 5 875 MHz frequency bands – Beamforming antennas – Harmonised Standard for access to radio spectrum (EN 303 316 V1.2.1:2018)

HRN EN 305 200-4-4 V1.1.1:2018 en pr
Integrirane širokopolasne kabelaške telekomunikacijske mreže (CABLE) – Upravljanje energijom – Operativne infrastrukture – Globalni indikatori ključnih osobina (KPI) – 4. dio: Ocjenjivanja dizajna – 4. poddio: Kabelaške pristupne mreže (EN 305 200-4-4 V1.1.1:2018)
Integrated broadband cable telecommunication networks (CABLE) – Energy management – Operational infrastructures – Global KPIs – Part 4: Design assessments – Sub-part 4: Cable Access Networks (EN 305 200-4-4 V1.1.1:2018)

HRN EN 319 401 V2.2.1:2018 en pr
Elektronički potpisi i infrastrukture (ESI) – Zahtjevi općih pravila za vjerodostojne davatelje usluga (EN 319 401 V2.2.1:2018)
Electronic Signatures and Infrastructures (ESI) – General Policy Requirements for Trust Service Providers (EN 319 401 V2.2.1:2018)

HRN EN 319 411-1 V1.2.2:2018 en pr
Elektronički potpisi i infrastrukture (ESI) – Zahtjevi općih pravila i sigurnosnih pravila za vjerodostojne davatelje usluga izdavanja certifikata – 1. dio: Opći zahtjevi (EN 319 411-1 V1.2.2:2018)
Electronic Signatures and Infrastructures (ESI) – Policy and security requirements for Trust Service Providers issuing certificates – Part 1: General requirements (EN 319 411-1 V1.2.2:2018)

HRN EN 319 411-2 V2.2.2:2018 en pr
Elektronički potpisi i infrastrukture (ESI) – Zahtjevi općih pravila i zahtjevi sigurnosti za vjerodostojne davatelje usluga izdavanja certifikata – 2. dio: Zahtjevi za vjerodostojne davatelje usluga izdavanja EU kvalificiranih certifikata (EN 319 411-2 V2.2.2:2018)
Electronic Signatures and Infrastructures (ESI) – Policy and security requirements for Trust Service Providers issuing certificates – Part 2: Requirements for trust service providers issuing EU qualified certificates (EN 319 411-2 V2.2.2:2018)

HZN/TO Z1, *Informacijska tehnologija*

HRN EN 419221-5:2018 en pr
Obrasci zaštite kriptografskih modula pružatelja usluga povjerenja (TSP-a) – 5. dio: Kriptografski modul za usluge povjerenja (EN 419221-5:2018)
Protection Profiles for TSP Cryptographic Modules – Part 5: Cryptographic Module for Trust Services (EN 419221-5:2018)

HZN/TU M1, *Metalni materijali 1*

HRN EN ISO 4506:2018 en pr
Tvrdi metali – Tlačno ispitivanje (ISO 4506:2018; EN ISO 4506:2018)
Hardmetals – Compression test (ISO 4506:2018; EN ISO 4506:2018)

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

HRN EN ISO 5832-2:2018 en pr
Kirurški implantati – Metalni materijali – 2. dio: Nelegirani titan (ISO 5832-2:2018; EN ISO 5832-2:2018)
Implants for surgery – Metallic materials – Part 2: Unalloyed titanium (ISO 5832-2:2018; EN ISO 5832-2:2018)

HRN EN ISO 9687:2015/A1:2018 en pr
Stomatologija – Grafički simboli za stomatološku opremu (ISO 9687:2015/Amd 1:2018; EN ISO 9687:2015/A1:2018)
Dentistry – Graphical symbols for dental equipment (ISO 9687:2015/Amd 1:2018; EN ISO 9687:2015/A1:2018)

HRN EN ISO 10139-1:2018 en pr
Stomatologija – Mekani materijali za podlaganje mobilnih zubnih proteza – 1. dio: Materijali za kratkotrajnu upotrebu (ISO 10139-1:2018; EN ISO 10139-1:2018)
Dentistry – Soft lining materials for removable dentures – Part 1: Materials for short-term use (ISO 10139-1:2018; EN ISO 10139-1:2018)

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

HRN EN 2944:2018 en pr
Zrakoplovstvo – Zatici, sa vijčastim navojem, sa spiralnim svitkom, samozatvarajući, od čelika otpornog na koroziju FE-PA3004 (EN 2944:2018)
Aerospace series – Inserts, screw thread, helical coil, self-locking, in corrosion resisting steel FE-PA3004 (EN 2944:2018)

HRN EN 3542:2018 en pr
Zrakoplovstvo – Zatici, spiralnog navoja, spiralnog svitka, samozatvarajući, legura na bazi nikla otporna na toplinu NI-PH2801 (EN 3542:2018)
Aerospace series – Inserts, screw thread, helical coil, self-locking, in heat resisting nickel base alloy Ni-PH2801 (Inconel X750) (EN 3542:2018)

HRN EN 9300-200:2018 en pr
Zrakoplovstvo – LOTAR – Dugoročno arhiviranje i učitavanje digitalne tehničke dokumentacije za proizvode kao što su podaci 3D, CAD i PDM – 200. dio: Zajednički pojmovi u dugoročnom arhiviranju i učitavanju informacija o strukturi proizvoda (EN 9300-200:2018)
Aerospace series – LOTAR – Long Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data – Part 200: Common Concepts for Long term Archiving and Retrieval of Product Structure Information (EN 9300-200:2018)

HRN EN 16602-30:2018 en pr
Osiguranje kvalitete proizvoda za upotrebu u svemiru – Sigurnost funkcioniranja (EN 16602-30:2018)
Space product assurance – Dependability (EN 16602-30:2018)

HRN EN 16602-40:2018 en pr
Osiguranje kvalitete proizvoda za upotrebu u svemiru – Sigurnost (EN 16602-40:2018)
Space product assurance – Safety (EN 16602-40:2018)

HRN EN 16603-10:2018 en pr
Svemirsko inženjerstvo – Opći zahtjevi za projektiranje sustava (EN 16603-10:2018)
Space engineering – System engineering general requirements (EN 16603-10:2018)

HRN EN 17030:2018 en pr
Svemir – Promatranje Zemlje – Razine obrade slika (EN 17030:2018)
Space – Earth observation – Image processing levels (EN 17030:2018)

HZN/TU U1, Opća elektrotehnika 1

- HRN EN IEC 60068-3-6:2018/Ispr.1:2018 en pr
Ispitivanje utjecaja okoliša – Dio 3-6: Popratna dokumentacija i upute – Potvrda o izvedbi temperatura/vlažnost komora (EN IEC 60068-3-6:2018/AC:2018)
Environmental testing – Part 3-6: Supporting documentation and guidance – Confirmation of the performance of temperature/humidity chambers (EN IEC 60068-3-6:2018/AC:2018)
- HRN EN IEC 60071-2:2018 en pr
Usklađivanje izolacije – 2. dio: Upute za primjenu (IEC 60071-2:2018; EN IEC 60071-2:2018)
Insulation co-ordination – Part 2: Application guide (IEC 60071-2:2018; EN IEC 60071-2:2018)
- HRN EN IEC 60721-3-1:2018 en pr
Razredba uvjeta okoliša – Dio 3-1: Razredba skupina utjecaja okoliša i njihove strogosti – Skladištenje (IEC 60721-3-1:2018; EN IEC 60721-3-1:2018)
Classification of environmental conditions – Part 3-1: Classification of groups of environmental parameters and their severities – Storage (IEC 60721-3-1:2018; EN IEC 60721-3-1:2018)
- HRN EN IEC 60721-3-2:2018 en pr
Razredba uvjeta okoliša – Dio 3-2: Razredba skupina parametara okoliša i njihovog intenziteta – Prijevoz i rukovanje (IEC 60721-3-2:2018; EN IEC 60721-3-2:2018)
Classification of environmental conditions – Part 3-2: Classification of groups of environmental parameters and their severities – Transportation and Handling (IEC 60721-3-2:2018; EN IEC 60721-3-2:2018)

HZN/TU V1, Elektronika 1

- HRN EN 60068-2-58:2015/A1:2018 en pr
Environmental testing – Part 2-58: Tests – Test Td: Test methods for solderability, resistance to dissolution of metallization and to soldering heat of surface mounting devices (SMD) (IEC 60068-2-58:2015/A1:2017; EN 60068-2-58:2015/A1:2018)
- HRN EN IEC 60749-13:2018 en pr
Semiconductor devices – Mechanical and climatic test methods – Part 13: Salt atmosphere (IEC 60749-13:2018; EN IEC 60749-13:2018)
- HRN EN IEC 61010-2-120:2018 en pr
Sigurnosni zahtjevi za električnu opremu za mjerenje, upravljanje i za korištenje u laboratoriju – Dio 2-120: Posebni zahtjevi sigurnosti za strojne dijelove opreme (IEC 61010-2-120:2016; EN IEC 61010-2-120:2018)
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-120: Particular safety requirements for machinery aspects of equipment (IEC 61010-2-120:2016; EN IEC 61010-2-120:2018)
- HRN EN 61215-2:2017/Ispr.1:2018 en pr
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 2: Test procedures (EN 61215-2:2017/AC:2017)
- HRN EN 61215-2:2017/Ispr.2:2018 en pr
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 2: Test procedures (IEC 61215-2:2016/Corr.1:2018; EN 61215-2:2017/AC:2018)
- HRN EN IEC 61291-1:2018 en pr
Optical amplifiers – Part 1: Generic specification (IEC 61291-1:2018; EN IEC 61291-1:2018)
- HRN EN IEC 61340-4-4:2018 en pr
Electrostatics – Part 4-4: Standard test methods for specific applications – Electrostatic classification of flexible intermediate bulk containers (FIBC) (IEC 61340-4-4:2018; EN IEC 61340-4-4:2018)
- HRN EN IEC 61730-1:2018 en pr
Kvalifikacija sigurnosti fotonaponskog (PV) modula – 1. dio: Zahtjevi za konstrukciju (IEC 61730-1:2016; EN IEC 61730-1:2018)
Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction (IEC 61730-1:2016; EN IEC 61730-1:2018)

- HRN EN IEC 61730-2:2018 en pr
Svojstvo sigurnosti fotonaponskog modula – 2. dio: Zahtjevi za ispitivanje (IEC 61730-2:2016; EN IEC 61730-2:2018)
Photovoltaic (PV) module safety qualification – Part 2: Requirements for testing (IEC 61730-2:2016; EN IEC 61730-2:2018)
- HRN EN 61760-4:2015/A1:2018 en pr
Surface mounting technology – Part 4: Classification, packaging, labelling and handling of moisture sensitive devices (IEC 61760-4:2015/am1:2018; EN 61760-4:2015/A1:2018)
- HRN EN IEC 62969-2:2018 en pr
Semiconductor devices – Semiconductor interface for automotive vehicles – Part 2: Efficiency evaluation methods of wireless power transmission using resonance for automotive vehicles sensors (IEC 62969-2:2018; EN IEC 62969-2:2018)

HZN/TU W1, Energetska elektrotehnika 1

- HRN EN 50291-1:2018 en pr
Uređaji za otkrivanje plinova – Električna oprema za otkrivanje ugljikovog monoksida u kućanskim prostorima – 1. dio: Metode ispitivanja i izvedbeni zahtjevi (EN 50291-1:2018)
Gas detectors – Electrical apparatus for the detection of carbon monoxide in domestic premises – Part 1: Test methods and performance requirements (EN 50291-1:2018)
- HRI CLC/TR 50674:2018 en pr
Upute za verifikaciju kućanskih aparata prema energetskim oznakama i ekološkom dizajnu (CLC/TR 50674:2018)
Guidelines for the verification of household appliances under energy labelling and eco design (CLC/TR 50674:2018)
- HRN EN 61810-1:2015/Ispr.2:2018 en pr
Elektromehanički osnovni releji – 1. dio: Opći i sigurnosni zahtjevi (EN 61810-1:2015/AC:2018)
Electromechanical elementary relays – Part 1: General and safety requirements (EN 61810-1:2015/AC:2018)
- HRN EN IEC 62246-1-1:2018 en pr
Cijevni prekidači – Dio 1.1: Opća specifikacija – Prazna tiskanica za detaljnu specifikaciju (IEC 62246-1-1:2018; EN IEC 62246-1-1:2018)
Reed switches – Part 1-1: Generic specification – Blank detail specification (IEC 62246-1-1:2018; EN IEC 62246-1-1:2018)
- HRN EN IEC 62485-1:2018 en pr
Sigurnosni zahtjevi za sekundarne baterije i baterijske instalacije – 1. dio: Opće sigurnosne informacije (IEC 62485-1:2015; EN IEC 62485-1:2018)
Safety requirements for secondary batteries and battery installations – Part 1: General safety information (IEC 62485-1:2015; EN IEC 62485-1:2018)
- HRN EN IEC 62485-2:2018 en pr
Sigurnosni zahtjevi za sekundarne akumulatorne i akumulatorske instalacije – 2. dio: Nepomični akumulatori (IEC 62485-2:2010; EN IEC 62485-2:2018)
Safety requirements for secondary batteries and battery installations – Part 2: Stationary batteries (IEC 62485-2:2010; EN IEC 62485-2:2018)
- HRN EN IEC 62485-4:2018 en pr
Sigurnosni zahtjevi za sekundarne baterije i baterijske instalacije – 4. dio: Olovni akumulatori regulirani ventilom za uporabu u prijenosnim uređajima (IEC 62485-4:2015; EN IEC 62485-4:2018)
Safety requirements for secondary batteries and battery installations – Part 4: Valve-regulated lead-acid batteries for use in portable appliances (IEC 62485-4:2015; EN IEC 62485-4:2018)
- HRN EN IEC 62933-1:2018 en pr
Sustavi za pohranu električne energije (EES) – 1. dio: Rječnik (IEC 62933-1:2018; EN IEC 62933-1:2018)
Electrical Energy Storage (EES) systems – Part 1: Vocabulary (IEC 62933-1:2018; EN IEC 62933-1:2018)

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 3015 en
Petroleum and related products from natural or synthetic sources – Determination of cloud point (ISO/DIS 3015:2018)

prEN ISO 3016 en
Petroleum and related products from natural or synthetic sources – Determination of pour point (ISO/DIS 3016:2018)

FprCEN/TR 17225 en
Fuels and biofuels – Assessment on oxidation stability determination methods for distillate fuels and blends thereof with fatty acid methyl esters (FAME)
Goriva i biogoriva – Procjena metoda određivanja oksidacijske stabilnosti destilatnih goriva i njihovih mješavina s metilnim esterima masnih kiselina (FAME)

HZN/TO 34, *Poljoprivredni i prehrambeni proizvodi*

prEN ISO 34101-4 en
Sustainable and traceable cocoa – Part 4: Requirements for certification schemes (ISO/DIS 34101-4:2018)
Održivost i sljedivost kakaa – 4. dio: Zahtjevi za certifikacijske sheme (ISO/DIS 34101-4:2017)

HZN/TO 37, *Terminologija*

ISO/DIS 22259 en
Conference systems – Equipment – Requirements
Konferencijski sustavi – Oprema – Zahtjevi

ISO/DIS 24613-1 en
Language resource management – Lexical markup framework (LMF) – Part 1: Core model
Upravljanje jezičnim resursima – Okvir leksičkog obilježavanja (LMF) – 1. dio: Osnovni model

HZN/TO 43, *Akustika*

EN ISO 11203:2009/prA1 en
Acoustics – Noise emitted by machinery and equipment – Determination of emission sound pressure levels at a work station and at other specified positions from the sound power level (ISO 11203:1995/DAMd 1:2018)
Akustika – Buka koju emitiraju strojevi i oprema – Određivanje razina zvučnoga tlaka emisije na radnome mjestu i drugim specificiranim mjestima iz razine zvučne snage (ISO 11203:1995/DAMd 1:2018)

HZN/TO 44, *Zavarivanje i srodni postupci*

prEN ISO 6947 en
Welding and allied processes – Welding positions (ISO/DIS 6947:2018)
Zavarivanje i srodni postupci – Položaji pri zavarivanju (ISO/DIS 6947:2018)

prEN ISO 14174 en
Welding consumables – Fluxes for submerged arc welding and electroslag welding – Classification (ISO/DIS 14174:2018)
Dodatni i potrošni materijali za zavarivanje – Praškovi za elektrolučno zavarivanje pod praškom i elektro-zavarivanje pod troskom – Razredba (ISO/DIS 14174:2018)

prEN ISO 24598 en
Welding consumables – Solid wire electrodes, tubular cored electrodes and electrode-flux combinations for submerged arc welding of creep-resisting steels – Classification (ISO/DIS 24598:2018)
Dodatni i potrošni materijali za zavarivanje – Elektrode od pune žice, žice punjene praškom i kombinacije žica-prašak za zavarivanje EPP postupkom za čelike otporne na puzanje – Razredba (ISO/DIS 24598:2018)

HZN/TO 46, *Bibliotekarstvo, dokumentacija i informacije*

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

HZN/TO 47, *Kemija*

prEN 15154-5 en
Emergency safety showers – Part 5: Water overhead body showers for sites other than laboratories
Sigurnosni tuševi u slučaju opasnosti – 5. dio: Tuševi za tijelo s prskanjem odozgo za mjesta koja nisu laboratoriji

prEN 15154-6 en
Emergency safety showers – Part 6: Plumbed-in multiple nozzle body showers for sites other than laboratories
Sigurnosni tuševi u slučaju opasnosti – 6. dio: Tuševi za tijelo s više mlaznica s priključkom na vodovod za mjesta koja nisu laboratoriji

HZN/TO 71, *Beton*

prEN 12390-4 en
Testing hardened concrete – Part 4: Compressive strength – Specification for testing machines
Ispitivanje očvrsloga betona – 4. dio: Tlačna čvrstoća – Specifikacija uređaja za ispitivanje

prEN 12390-16 en
Testing hardened concrete – Part 16: Determination of the shrinkage of concrete
Ispitivanje očvrsluloga betona – 16. dio: Određivanje skupljanja betona

prEN 12390-17 en
Testing hardened concrete – Part 17: Determination of creep of concrete in compression
Ispitivanje očvrsluloga betona – 17. dio: Određivanje puzanja betona pod pritiskom

HZN/TO 86, *Uređaji za hlađenje, klimatizaciju i dizalice topline*

prEN ISO 22041 en
Refrigerated storage cabinets and counters for professional use – Performance and energy consumption (ISO/DIS 22041:2018)
Rashladni ormari i vitrine za skladištenje hrane za profesionalnu upotrebu – Značajke i potrošnja energije (ISO/DIS 22041:2018)

HZN/TO 89, *Furniri i drvene ploče*

prEN 622-4 en
Fibreboards – Specifications – Part 4: Requirements for softboards
Ploče vlaknatice – Specifikacije – 4. dio: Zahtjevi za lake ploče

HZN/TO 120, *Koža i obuća*

prEN ISO 17696 en
Footwear – Test methods for uppers; linings and insoles – Tear strength (ISO 17696:2004)

prEN ISO 17702 en
Footwear – Test methods for uppers – Water resistance (ISO 17702:2003)

prEN ISO 17703 en
Footwear – Test methods for uppers – High temperature behaviour (ISO 17703:2003)
Obuća – Metode ispitivanja gomjišta – Ponašanje pri povišenoj temperaturi (ISO 17703:2003)

prEN ISO 17705 en
Footwear – Test methods for uppers, lining and insoles – Thermal insulation (ISO 17705:2003)

prEN ISO 17706 en
Footwear – Test methods for uppers – Tensile strength and elongation (ISO 17706:2003)

prEN ISO 17709 en
Footwear – Sampling location; preparation and duration of conditioning of samples and test pieces (ISO 17709:2004)

prEN ISO 18218-2 en
Leather – Determination of ethoxylated alkylphenols – Part 2: Indirect method (ISO/DIS 18218-2:2018)
Koža – Određivanje etoksiliranih alkilfenola – 2. dio: Neizravna metoda (ISO/DIS 18218-2:2018)

prEN ISO 18895 en
Footwear – Test methods for shanks – Fatigue resistance (ISO 18895:2006)

prEN ISO 22653 en
Footwear – Test methods for lining and insoles – Static friction (ISO 22653:2003)

HZN/TO 136, Namještaj

EN 527-2:2016/prA1 en
Office furniture – Work tables – Part 2: Safety, strength and durability requirements
Uredski namještaj – Uredski radni stolovi – 2. dio: Zahtjevi za čvrstoću, trajnost i sigurnost

prEN 1335-1 en
Office furniture – Office work chair – Part 1: Dimensions – Determination of dimensions
Uredski namještaj – Uredske radne stolice – 1. dio: Dimenzije – Određivanje dimenzija

prEN 13150 en
Workbenches for laboratories – Dimensions, safety requirements and test methods
Radni stolovi za laboratorije – Dimenzije, sigurnosni zahtjevi i metode ispitivanja

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

prEN 1401-1 en
Plastics piping systems for non-pressure underground drainage and sewerage – Unplasticized poly(vinyl chloride) (PVC-U) – Part 1: Specifications for pipes, fittings and the systems
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i kanalizaciju – Neomekšani poli(vinil-klorid) (PVC-U) – 1. dio: Specifikacije za cijevi, spojnice i sustav

HZN/TO 146, Kvaliteta zraka

prEN ISO 22065 en
Workplace air – Procedures for measuring gases and vapours using pumped samplers – Requirements and test methods (ISO/DIS 22065:2018)
Zrak u radnom prostoru – Postupci mjerenja plinova i para uporabom prosisnih uzorkivača – Zahtjevi i metode ispitivanja (ISO/DIS 22065:2018)

HZN/TO 159, Ergonomija

prEN ISO 7933 en
Ergonomics of the thermal environment – Analytical determination and interpretation of heat stress using the predicted heat strain model (ISO/DIS 7933:2018)
Ergonomija toplinskog okoliša – Analitičko određivanje i interpretacija toplinskih naprezanja upotrebom prediktivnog modela toplinskih deformacija (ISO/DIS 7933:2018)

HZN/TO 163, Toplinska izolacija

prEN 17237 en
Thermal insulation products for buildings – External thermal insulation composite systems with renders (ETICS) – Specification

HZN/TO 207, Upravljanje okolišem

prEN ISO 14026 en
Environmental labels and declarations – Principles, requirements and guidelines for communication of footprint information (ISO 14026:2017)
Znakovi i izjave o zaštiti okoliša – Načela, zahtjevi i smjernice za komunikaciju informacija o otisku proizvoda u okolišu (ISO 14026:2017)

HZN/TO 219, Podne obloge

prEN ISO 20326 en
Resilient floor coverings – Specification for floor panels/assembly for loose laying (ISO 20326:2016)

HZN/TO 221, Geosintetici

prEN ISO 10320 en
Geosynthetics – Identification on site (ISO/DIS 10320:2018)
Geosintetici – Identifikacija na gradilištu (ISO/DIS 10320:2018)

prEN ISO 10722 en
Geosynthetics – Index test procedure for the evaluation of mechanical damage under repeated loading – Damage caused by granular material (Laboratory test method) (ISO/DIS 10722:2018)
Geosintetici – Postupak ispitivanja za indeksni pokazatelj mehaničkog oštećenja pod djelovanjem opterećenja koje se ponavlja – Oštećenje uzrokovano zrnatim materijalom (laboratorijska metoda ispitivanja) (ISO/DIS 10722:2018)

prEN ISO 13437 en
Geosynthetics – Method for installing and extracting samples in soil (ISO/DIS 13437:2018)
Geotekstil – Metoda za ugradnju uzoraka u tlo i vađenje uzoraka iz tla (ISO/DIS 13437:2018)

HZN/TO 228, Usluge u turizmu

prEN ISO 21416 en
Recreational diving services – Requirements and guidance on sustainable practices in recreational diving (ISO/DIS 21416:2018)

prEN ISO 21417 en
Recreational diving services – Requirements for training on environmental awareness for recreational divers (ISO/DIS 21417:2018)

HZN/TO 502, Plinski uređaji

prEN 1949 en
Specification for the installation of LPG systems for habitation purposes in leisure accommodation vehicles and accommodation purposes in other vehicles
Odredbe za instalacije u sustavima pogona na ukapljeni naftni plin za namjenu stanovanja u vozilima za odmor (kamp vozila) i drugim vozilima

HZN/TO 503, Metalni materijali

prEN ISO 7438 en
Metallic materials – Bend test (ISO/DIS 7438:2018)
Metalni materijali – Ispitivanje savijanjem (ISO/DIS 7438:2018)

HZN/TO 504, Korozija i zaštita metala i legura

prEN ISO 10111 en
Metallic and other inorganic coatings – Measurement of mass per unit area – Review of gravimetric and chemical analysis methods (ISO/DIS 10111:2018)
Metalne i druge anorganske prevlake – Mjerenje mase po jediničnoj površini – Pregled metoda gravimetrijskih i kemijskih analiza (ISO/DIS 10111:2018)

HZN/TO 505, Prijenos i distribucija plina

prEN 1473 en
Installation and equipment for liquefied natural gas – Design of onshore installations
Instalacije i oprema za ukapljeni prirodni plin – Projektiranje instalacija na kopnu

HZN/TO 509, Cestovna oprema

- prEN 16303 en
Road restraint systems – Validation and verification process for the use of virtual testing in crash testing against vehicle restraint system
Zaštitni cestovni sustavi – Validacija i verifikacija procesa koji se koriste pri virtualnom ispitivanju zaštitnoga sustava pri sudaru vozila

HZN/TO 526, Bitumenska veziva

- prEN 13358 en
Bitumen and bituminous binders – Determination of the distillation characteristics of cut-back and fluxed bituminous binders made with mineral fluxes
Bitumen i bitumenska veziva – Određivanje destilacijskih svojstava razrijeđenih i omekšanih bitumenskih veziva pripremljenih s mineralnim uljima za omekšavanje

HZN/TO 531, Plastika i guma

- prEN ISO 3451-1 en
Plastics – Determination of ash – Part 1: General methods (ISO/DIS 3451-1:2018)
Plastika – Određivanje pepela – 1. dio: Opće metode (ISO/DIS 3451-1:2018)
- prEN ISO 15512 en
Plastics – Determination of water content (ISO/DIS 15512:2018)
Plastika – Određivanje sadržaja vode (ISO/DIS 15512:2018)
- prEN ISO 17556 en
Plastics – Determination of the ultimate aerobic biodegradability of plastic materials in soil by measuring the oxygen demand in a respirometer or the amount of carbon dioxide evolved (ISO/DIS 17556:2018)
Plastika – Određivanje konačne aerobne biorazgradljivosti plastičnih materijala u tlu mjerenjem potrošnje kisika u respirometru ili količine nastalog ugljikova dioksida (ISO/DIS 17556:2018)

HZN/TO 532, Dimnjaci

- DIN V 18160-1:2006 de
Abgasanlagen – Teil 1: Planung und Ausführung
Dimnjaci – 1. dio: Projektiranje i izvedba
- DIN V 18160-1 Beiblatt 1:2015 de
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
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 Beiblatt 2:2016 de
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
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 Beiblatt 3:2009 de
Abgasanlagen – Teil 1: Planung und Ausführung – Beiblatt 3: Nationale Ergänzung zur Anwendung von System-Abgasanlagen mit Kunststoffinnenrohren nach DIN EN 14471
Dimnjaci – 1. dio: Projektiranje i izvedba – Dodatak 3: Nacionalni dodatak za upotrebu sustava dimnjaka s plastičnim dimovodnim cijevima prema normi DIN EN 14471
- DIN 18160-60:2014 de
Abgasanlagen – Teil 60: Nachweise für das Brandverhalten von Abgasanlagen und Bauteilen von Abgasanlagen – Begriffe, Anforderungen und Prüfungen
Dimnjaci – 60. dio: Ocjenjivanje vatrootpornosti za dimnjake i dijelove dimnjaka – Definicije, zahtjevi i metode ispitivanja

HZN/TO 534, Spremnici za teret

- prEN 17247 en
Intermodal Transport Unit 45'PW

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

- prEN 12046-1 en
Operating forces – Test method – Part 1: Windows
Sile otvaranja i zatvaranja – Metode ispitivanja – 1. dio: Prozori
- prEN 13115 en
Windows – Classification of mechanical properties – Racking, torsion and operating forces
Prozori – Razredba mehaničkih svojstava – Vertikalno opterećenje, torzija i sile otvaranja i zatvaranja

HZN/TO 539, Kemijski dezinficijensi i antiseptici

- prEN 13623 en
Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of bactericidal activity against Legionella of chemical disinfectants for aqueous systems – Test method and requirements (phase 2, step 1)
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu baktericidne djelotvornosti kemijskih dezinficijensa za obradu vode u vodenim sustavima protiv Legionelle – Metoda ispitivanja i zahtjevi (faza 2, korak 1)

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

- prEN 253 en
District heating pipes – Bonded single pipe systems for directly buried hot water networks – Factory made pipe assembly of steel service pipe, polyurethane thermal insulation and a casing of polyethylene
Cijevi za daljinsko grijanje – Povezani cijevni sustavi s jednom cijevi za ukopane vrelododne mreže – Tvornički izrađen cijevni sklop od čelične cijevi, poliuretanske toplinske izolacije i polietilenske ovojnice
- prEN 17248 en
District heating and district cooling pipe systems – Terms and definitions
Cijevi za daljinsko grijanje i hlađenje – Nazivi i definicije
- prEN ISO 22510 en
Open data communication in building automation, controls and building management – Home and building electronic systems – KNXnet/IP communication (ISO/DIS 22510:2018)
Otvorena podatkovna komunikacija u automatizaciji zgrada, nadzor i upravljanje zgradama – Elektronički sustavi za obiteljske kuće i zgrade – KNXnet/IP komunikacija (ISO/DIS 22510:2018)

HZN/TO 544, Strojni elementi

- prEN ISO 7053 en
Hexagon washer head tapping screws (ISO/DIS 7053:2018)
Vijci sa šesterokutnom prirubnom glavom (ISO/DIS 7053:2018)
- prEN ISO 10642 en
Fasteners – Hexagon socket countersunk head screws with reduced loadability (ISO/DIS 10642:2018)
Spojni elementi – Upušteni vijci sa šesterokutnim udubljenjem sa smanjenom nosivošću (ISO/DIS 10642:2018)
- prEN ISO 15480 en
Hexagon washer head drilling screws with tapping screw thread (ISO/DIS 15480:2018)
Samonarezni vijci sa šesterokutnom prirubnom glavom (ISO/DIS 15480:2018)

HZN/TO 553, Predgotovljeni proizvodi

- prEN 33 en
WC pans and WC suites – Connecting dimensions
WC školjke i WC garniture – Priključne dimenzije

HZN/TO 555, Medicinski proizvodi

- prEN ISO 10993-9 en
Biological evaluation of medical devices – Part 9: Framework for identification and quantification of potential degradation products (ISO/DIS 10993-9:2018)
Biološka procjena medicinskih proizvoda – 9. dio: Okvir za identifikaciju i količinsko određivanje moguće istrošenosti proizvoda (ISO/DIS 10993-9:2018)

prEN ISO 10993-15 en

Biological evaluation of medical devices – Part 15: Identification and quantification of degradation products from metals and alloys (ISO/DIS 10993-15:2018)
Biološka procjena medicinskih proizvoda – 15. dio: Identifikacija i količinsko određivanje istrošenosti proizvoda od metala i slitina (ISO/DIS 10993-15:2018)

prEN ISO 14160 en

Sterilization of health care products – Liquid chemical sterilizing agents for single-use medical devices utilizing animal tissues and their derivatives – Requirements for characterization, development, validation and routine control of a sterilization process for medical devices (ISO/DIS 14160:2018)
Sterilizacija medicinskih proizvoda – Tekuća kemijska sredstva za sterilizaciju jednokratnih medicinskih proizvoda u kojima se upotrebljavaju životinjska tkiva i njihovi derivati – Zahtjevi za značajke, razvoj, vrednovanje i rutinsku kontrolu sterilizacijskih postupaka medicinskih sredstava (ISO/DIS 14160:2018)

prEN ISO 14644-16 en

Cleanrooms and associated controlled environments – Part 16: Code of practice for improving energy efficiency in cleanrooms and clean air devices (ISO/DIS 14644-16:2018)
Čisti prostori i odgovarajući kontrolirani okoliš – 16. dio: Kodeks prakse za poboljšanje učinkovitosti energije u čistim prostorima i uređajima za pročišćavanje zraka (ISO/DIS 14644-16:2018)

prEN ISO 15195 en

Laboratory medicine – Requirements for the competence of calibration laboratories using reference measurement procedures (ISO/DIS 15195:2018)
Laboratorijska medicina – Zahtjevi za osposobljenost umjernih laboratorija u kojima se upotrebljavaju referentni mjerni postupci (ISO/DIS 15195:2018)

HZN/TO 558, Zaštita dišnih putova

prEN ISO 16972 en

Respiratory protective devices – Definitions of terms and pictograms (ISO/DIS 16972:2018)
Zaštitne naprave za disanje – Definicije naziva i piktogrami (ISO/DIS 16972:2018)

HZN/TO 560, Tekstilni proizvodi

prEN ISO 1833-18 en

Textiles – Quantitative chemical analysis – Part 18: Mixtures of silk with other protein fibres (method using sulfuric acid) (ISO/DIS 1833-18:2018)

prEN ISO 18254-2 en

Textiles – Method for the detection and determination of alkylphenol ethoxylates (APEO) – Part 2: Method using NPLC (ISO/DIS 18254-2:2018)

prEN ISO 21084 en

Textiles – Method for determination of alkylphenols (AP) (ISO/DIS 21084:2018)

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

prEN 764-7 en

Pressure equipment – Part 7: Safety systems for unfired pressure equipment
Tlačna oprema – 7. dio: Sigurnosni sustavi za neloženu tlačnu opremu

EN 13445-3:2014/FprA5 en

Unfired pressure vessels – Part 3: Design
Neložene tlačne posude – 3. dio: Projektiranje

HZN/TO 562, Alatni strojevi i alati

prEN ISO 19085-11 en

Woodworking machines – Safety – Part 11: Combined machines (ISO/DIS 19085-11:2018)
Strojevi za obradu drva – Sigurnost – 11. dio: Kombinirani strojevi (ISO/DIS 19085-11:2018)

prEN ISO 19085-15 en

Woodworking machines – Safety – Part 15: Presses (ISO/DIS 19085-15:2018)
Strojevi za obradu drva – Sigurnost – 15. dio: Preše (ISO/DIS 19085-15:2018)

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

prEN ISO 15216-2 en

Microbiology of the food chain – Horizontal method for determination of hepatitis A virus and norovirus in food using real-time RT-PCR – Part 2: Method for detection (ISO/DIS 15216-2:2018)
Mikrobiologija lanca hrane – Horizontalna metoda za određivanje virusa hepatitisa A i norovirusa upotrebom RT-PCR u stvarnom vremenu – 2. dio: Metoda dokazivanja (ISO/DIS 15216-2:2018)

prEN 17250 en

Foodstuffs – Determination of ochratoxin A in paprika, chilli, black & white pepper, nutmeg, spice mix, liquorice, cocoa and cocoa products by immunoaffinity column clean-up and high performance liquid chromatography with fluorescence detection
Namirnice – Određivanje okratoksina A u paprici, čiliju, crnom i bijelom papru, muškatom oraščiću, mješavini začina, sladiću, kakau i proizvodima od kakaa pročišćavanjem imunoafinitetnim kolonama i tekućinskom kromatografijom visokog učinka s fluorescentnom detekcijom

prEN 17251 en

Foodstuffs – Determination of ochratoxin A in pork meat and derived products by high performance liquid chromatography with fluorescence detection (HPLC-FLD)
Namirnice – Određivanje okratoksina A u svinjetini i proizvodima od svinjetine tekućinskom kromatografijom visokog učinka s fluorescentnom detekcijom (HPLC-FLD)

prEN 17252 en

Foodstuffs – Determination of phomopsis A in lupin seeds and lupin derived products by LC-MS/MS
Namirnice – Određivanje fomopsina A u sjemenkama vučike i proizvodima od vučike metodom LC-MS/MS

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

prEN ISO 21853 en

Kite boarding – Release system – Safety requirements and test methods (ISO/DIS 21853:2018)

HZN/TO E10, Fluidi za primjenu u elektrotehnici

prEN 60480 en

Specification for re-use of SF6 and its mixtures in electrical equipment (IEC 60480:201X)

HZN/TO E13, Oprema za mjerenje električne energije te upravljanje tarifom i potrošnjom

EN 50470-1:2006/FprAA:2018 en

Electricity metering equipment (a.c.) – Part 1: General requirements, tests and test conditions – Metering equipment (class indexes A, B and C)
Električna brojila za izmjeničnu struju – 1. dio: Opći zahtjevi, ispitivanja i ispitni uvjeti – Mjerna oprema (razredi točnosti A, B i C)

EN 50470-2:2006/FprAA:2018 en

Electricity metering equipment (a.c.) – Part 2: Particular requirements – Electromechanical meters for active energy (class indexes A and B)
Električna brojila za izmjeničnu struju – 2. dio: Posebni zahtjevi – Elektromehanička brojila djelatne energije (razredi točnosti A i B)

EN 50470-3:2006/FprAA:2018 en

Electricity metering equipment (a.c.) – Part 3: Particular requirements – Static meters for active energy (class indexes A, B and C)
Električna brojila za izmjeničnu struju – 3. dio: Posebni zahtjevi – Statička brojila djelatne energije (razredi točnosti A, B i C)

HZN/TO E15, Čvrsti elektrotehnički izolacijski materijali

prEN 62677-3-103:2018 en

Heat-shrinkable low and medium voltage moulded shapes – Part 3: Specification for individual materials – Sheet 103: Heat-shrinkable, polyolefin, conductive moulded shapes for medium voltage applications (IEC 62677-3-103:201X)

HZN/TO E17, Sklopni i upravljački uređaji

prEN 62271-107:2018 en
High-voltage switchgear and controlgear – Part 107: Alternating current fused circuit-switchers for rated voltages above 1 kV up to and including 52 kV (IEC 62271-107:201X)
Visokonaponska sklopna aparatura – 107. dio: Osigurač sklopke izmjenične struje za nazivne napone iznad 1 kV do uključujući 52 kV (IEC 62271-107:201X)

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

EN 60061-1:1993/prA59:2018 en
Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamp caps (IEC 60061-1:1969/am59:201X)
Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 1. dio: Podnošci za žarulje (IEC 60061-1:1969/am59:201X)

EN 60061-3:1993/prA56:2018 en
Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 3: Gauges (IEC 60061-3:1969/am56:201X)
Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 3. dio: Granična mjerila (IEC 60061-3:1969/am56:201X)

FprEN 61167:2017/prA1:2018 en
Metal halide lamps – Performance specification (IEC 61167:2018/am1:201X)
Metal-halogene žarulje – Izvedbeni zahtjevi (IEC 61167:2018/am1:201X)

FprEN 61167:2017/prAA en
Metal halide lamps – Performance specification
Metal-halogene žarulje – Izvedbeni zahtjevi

prEN 63128:2018 en
Lighting control interface for dimming – Analogue voltage dimming interface for electronic lamp controlgear (IEC 63128:201X)

prEN 63146:2018 en
LED packages for general lighting – Specification sheet (IEC 63146:201X)

HZN/TO E55, Žice za namote

prEN 60317-2:2018 en
Specifications for particular types of winding wires – Part 2: Solderable polyurethane enamelled round copper wire, class 130, with a bonding layer (IEC 60317-2:201X)
Specifikacije pojedinih vrsta žica za namote – 2. dio: Poliuretanom lakirana lemljiva okrugla bakrena žica, razreda 130, s vezivnim slojem (IEC 60317-2:201X)

HZN/TO E62, Električna oprema u medicinskoj praksi

prEN 60601-2-31:2018 en
Medical electrical equipment – Part 2-31: Particular requirements for the basic safety and essential performance of external cardiac pacemakers with internal power source (IEC 60601-2-31:201X)
Medicinski električni uređaji – Dio 2-31: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke vanjskih elektrostimulatora srca s vlastitim izvorom napajanja (IEC 60601-2-31:201X)

prEN 60601-2-83:2018 en
Medical electrical equipment – Part 2-83: Particular requirements for the basic safety and essential performance of home light therapy equipment (IEC 60601-2-83:201X)

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

prEN 50110-2:2018 en
Operation of electrical installations – Part 2: National annexes
Pogon električnih postrojenja – 2. dio: Nacionalni dodaci

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

EN 62734:2015/prA1:2018 en
Industrial networks – Wireless communication network and communication profiles – ISA 100.11a (IEC 62734:2014/am1:201X)
Industrijske mreže – Bežična komunikacijska mreža i komunikacijski profili – ISA 100.11a (IEC 62734:2014/am1:201X)

HZN/TO E100, Audio, video i multimedijски sustavi te njihova oprema

EN 60728-11:2017/FprAA:2018 en
Cable networks for television signals, sound signals and interactive services – Part 11: Safety
Kabelske mreže za televizijske signale, zvučne signale i usluge uzajamnog djelovanja – 11. dio: Sigurnost

HZN/TO E108, Sigurnost elektroničke opreme u području audio, video, informacijske i komunikacijske tehnologije

FprEN 62368-3:2017/prAA:2018 en
Audio/video, information and communication technology equipment – Part 3: Safety aspects for DC power transfer through communication cables and ports
Oprema audio/video, informacijske i komunikacijske tehnologije – 3. dio: Značajke sigurnosti prijenosa snage istosmjernje struje kroz komunikacijske kabele i priključke

HZN/TO E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama

prEN 55016-1-1:2018 en
Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-1: Radio disturbance and immunity measuring apparatus – Measuring apparatus (CISPR 16-1-1:201X)
Specifikacija uređaja i metoda za mjerenja radiosmetnja i otpornosti – Dio 1-1: Uređaji za mjerenje radiosmetnja i otpornosti – Mjerni uređaji (CISPR 16-1-1:201X)

prEN 61000-4-18:2018 en
Electromagnetic compatibility (EMC) – Part 4-18: Testing and measurement techniques – Damped oscillatory wave immunity test (IEC 61000-4-18:201X)
Elektromagnetska kompatibilnost (EMC) – Dio 4-18: Ispitne i mjerne tehnike – Ispitivanje otpornosti na prigušene oscilirajuće valove (IEC 61000-4-18:201X)

HZN/TO Z1, Informacijska tehnologija

prEN 17099 en
Fish and seafood products – Requirements for labelling of distribution units and pallets in the trade of fish and seafood products

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

prEN 15017 en
Funeral Services – Requirements
Pogrebne usluge – Zahtjevi

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

prEN ISO 787-25 en
General methods of test for pigments and extenders – Part 25: Comparison of the colour, in full-shade systems, of white, black and coloured pigments – Colorimetric method (ISO/DIS 787-25:2018)
Opće metode ispitivanja pigmenata i punila – 25. dio: Usporedba obojenja, u potpuno zaštićenim sustavima, bijelih, crnih i obojenih pigmenata – Kolorimetrijska metoda (ISO/DIS 787-25:2018)

prEN 927-3 en
Paints and varnishes – Coating materials and coating systems for exterior wood – Part 3: Natural weathering test
Boje i lakovi – Materijali i sustavi za premazivanje za vanjsko drvo – 3. dio: Ispitivanje prirodnim starenjem

- prEN 927-13 en
Paints and varnishes – Coating materials and coating systems for exterior wood – Part 13: Assessment of resistance to impact of a coating on a wooden substrate
Boje i lakovi – Premazna sredstva i premazni sustavi za drvo u vanjskim prostorima – 13. dio: Procjena otpornosti na udar premaza na drvenog podlozi
- prEN ISO 8130-1 en
Coating powders – Part 1: Determination of particle size distribution by sieving (ISO/DIS 8130-1:2018)
Praškasti prekrivni materijali – 1. dio: Određivanje raspodjele veličine čestica prosijavanjem (ISO/DIS 8130-1:2018)
- prEN ISO 8130-7 en
Coating powders – Part 7: Determination of loss of mass on stoving (ISO/DIS 8130-7:2018)
Praškasti prekrivni materijali – 7. dio: Određivanje gubitka mase pri pečenju (ISO/DIS 8130-7:2018)
- prEN ISO 8130-11 en
Coating powders – Part 11: Inclined-plane flow test (ISO/DIS 8130-11:2018)
Praškasti prekrivni materijali – 11. dio: Ispitivanje rasprostiranja na kosini (ISO/DIS 8130-11:2018)
- prEN ISO 8130-12 en
Coating powders – Part 12: Determination of compatibility (ISO/DIS 8130-12:2018)
Praškasti prekrivni materijali – 12. dio: Određivanje kompatibilnosti (ISO/DIS 8130-12:2018)
- prEN ISO 8130-13 en
Coating powders – Part 13: Particle size analysis by laser diffraction (ISO/DIS 8130-13:2018)
Praškasti prekrivni materijali – 13. dio: Analiza veličine čestica laserskom difrakcijom (ISO/DIS 8130-13:2018)
- prEN ISO 8130-14 en
Coating powders – Part 14: Terminology (ISO/DIS 8130-14:2018)
Praškasti prekrivni materijali – 14. dio: Terminologija (ISO/DIS 8130-14:2018)
- prEN 12878 en
Pigments for the colouring of building materials based on cement and/or lime – Specifications and methods of test
Pigmenti za bojenje građevnih materijala na bazi cementa i/ili vapna – Specifikacije i metode ispitivanja
- prEN ISO 16014-5 en
Plastics – Determination of average molecular weight and molecular weight distribution of polymers using size-exclusion chromatography – Part 5: Light-scattering method (ISO/DIS 16014-5:2018)
Plastika – Određivanje prosječne molekularne mase i distribucije molekularne mase polimera pomoću kromatografije isključenjem na osnovi veličine čestica – 5. dio: Metoda raspršenja svjetlosti (ISO/DIS 16014-5:2018)
- prEN ISO 18451-1 en
Pigments, dyestuffs and extenders – Terminology – Part 1: General terms (ISO/DIS 18451-1:2018)
Pigmenti, bojila i punila – Nazivlje – 1. dio: Opći nazivi (ISO/DIS 18451-1:2018)
- prEN ISO 18451-2 en
Pigments, dyestuffs and extenders – Terminology – Part 2: Classification of colouring materials according to colouristic and chemical aspects (ISO/DIS 18451-2:2018)
Pigmenti, bojila i punila – Nazivlje – 2. dio: Razredba materijala za bojenje prema kolorističkim i kemijskim aspektima (ISO/DIS 18451-2:2018)
- prEN ISO/ASTM 52907 en
Additive manufacturing – Technical specifications on metal powders (ISO/ASTM DIS 52907:2018)
Proizvodnja aditiva – Tehničke specifikacije za metalni prah (ISO/ASTM DIS 52907:2018)

HZN/TU M1, *Metalni materijali 1*

- prEN ISO 3252 en
Powder metallurgy – Vocabulary (ISO/DIS 3252:2018)
Metalurgija praha – Terminološki rječnik (ISO/DIS 3252:2018)
- prEN ISO 4022 en
Permeable sintered metal materials – Determination of fluid permeability (ISO/FDIS 4022:2018)
Trajno sinterirani metalni materijali – Određivanje trajnosti tekućina (ISO/FDIS 4022:2018)

- prEN ISO 4489 en
Sintered hardmetals – Sampling and testing (ISO/DIS 4489:2018)
Sinterirani tvrdi metali – Uzorkovanje i ispitivanje (ISO/DIS 4489:2018)
- prEN ISO 4499-1 en
Hardmetals – Metallographic determination of microstructure – Part 1: Photomicrographs and description (ISO/DIS 4499-1:2018)
Tvrdi metali – Metalografsko određivanje mikrostrukture – 1. dio: Fotomikrografija i opisivanje (ISO/DIS 4499-1:2018)
- prEN ISO 4884 en
Hardmetals – Sampling and testing of powders using sintered test pieces (ISO/DIS 4884:2018)
Tvrdi metali – Uzorkovanje i ispitivanje praha pomoću sinteriranih ispitnih uzoraka (ISO/DIS 4884:2018)

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

- prEN ISO 3630-1 en
Dentistry – Endodontic instruments – Part 1: General requirements (ISO/DIS 3630-1:2018)
Stomatologija – Endodontski instrumenti – 1. dio: Opći zahtjevi (ISO/DIS 3630-1:2018)
- prEN ISO 14708-2 en
Implants for surgery – Active implantable medical devices – Part 2: Cardiac pacemakers (ISO/DIS 14708-2:2018)
Kirurški implantati – Aktivni implantabilni medicinski uređaji – 2. dio: Elektrostimulatori srca (ISO/DIS 14708-2:2018)
- prEN ISO 14708-6 en
Implants for surgery – Active implantable medical devices – Part 6: Particular requirements for active implantable medical devices intended to treat tachyarrhythmia (including implantable defibrillators) (ISO/DIS 14708-6:2018)
Kirurški implantati – Aktivni implantabilni medicinski uređaji – 6. dio: Posebni zahtjevi za aktivne implantabilne medicinske uređaje namijenjene liječenju tahiaritmija (uključuje implantabilne defibrilatore) (ISO/DIS 14708-6:2018)
- prEN ISO 20896 en
Dentistry – Digital impression devices – Methods for assessing accuracy (ISO/DIS 20896:2018)
Stomatologija – Uređaji za uzimanje digitalnoga dentalnog otiska – Metode mjerenja točnosti (ISO/DIS 20896:2018)

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

- prEN 1459-4 en
Rough-terrain trucks – Safety requirements and verification – Part 4: Additional requirements for variable-reach trucks handling freely suspended loads
- prEN 1459-5 en
Rough-terrain trucks – Safety requirements and verification – Part 5: Attachments and attachment interface
- FprEN 2002-16 en
Aerospace series – Metallic materials – Test methods – Part 16: Non-destructive testing – Penetrant testing
- FprEN 2002-21 en
Aerospace series – Metallic materials – Test methods – Part 21: Radiographic testing of castings
- FprEN 2379 en
Aerospace series – Fluids for assessment of non-metallic materials
- FprEN 2400 en
Aerospace series – Heat resisting nickel base alloy Ni-P96-HT – Cold drawn and precipitation treated – Wires $D \leq 10$ mm
- FprEN 2414 en
Aerospace series – Washers, chamfered, with counterbore, in alloy steel, cadmium plated
- FprEN 2868 en
Aerospace series – Nuts, hexagonal, slotted/castellated, normal height, normal across flats, in heat resisting steel, silver plated – Classification: 1 100 MPa (at ambient temperature)/650 °C
- FprEN 2876 en
Aerospace series – Nuts, hexagon, plain, reduced height, normal across flats, in aluminium alloy, anodized – Classification: 450 MPa (at ambient temperature)/120 °C

FprEN 2923 en
Aerospace series – Nuts, hexagon, plain, reduced height, reduced across flats, in heat resisting steel, silver plated – Classification: 600 MPa (at ambient temperature) / 425 °C

FprEN 2924 en
Aerospace series – Nuts, hexagon, plain, reduced height, reduced across flats, in heat resisting steel, silver plated, left hand thread – Classification: 600 MPa (at ambient temperature) / 425 °C

FprEN 3315 en
Aerospace series – Titanium alloy Ti-P64001 – Solution treated and aged – Forgings – De ≤ 75 mm

FprEN 3357 en
Aerospace series – Steel FE-PM1503 (X3CrNiMoAl 13-8-2) – Vacuum induction melted and consumable electrode remelted – Solution treated and precipitation treated – Bar for machining – a or D ≤ 150 mm – 1 200 MPa ≤ Rm ≤ 1 400 MPa

prEN ISO 3691-4 en
Industrial trucks – Safety requirements and verification – Part 4: Driverless industrial trucks and their systems (ISO/DIS 3691-4:2018)

FprEN 4641-106 en
Aerospace series – Cables, optical, 125 µm diameter cladding – Part 106: Semi-loose structure 62,5/125 µm GI fibre nominal 0,9 mm outside diameter – Product standard

FprEN 4641-200 en
Aerospace series – Cables, optical, 125 µm diameter cladding – Part 200: Semi-loose structure 9/125 µm GI fibre nominal 0,9 mm outside diameter – Product standard

FprEN 4641-201 en
Aerospace series – Cables, optical, 125 µm diameter cladding – Part 201: Semi-loose structure 9/125 µm SM fibre nominal 1,8 mm outside diameter – Product standard

FprEN 4641-202 en
Aerospace series – Cables, optical, 125 µm diameter cladding – Part 202: Semi-loose, ruggedized simplex construction 9/125 µm SM fibre nominal 2,74 mm outside diameter – Product standard

FprEN 4708-001 en
Aerospace series – Sleeving, heat-shrinkable, for binding, insulation and identification – Part 001: Technical specification
Zrakoplovstvo – Navlake, koje se sužavaju prilikom izlaganja toplini, za omotavanje, izolaciju i označavanje – Dio 001: Tehnička specifikacija

FprEN 4708-102 en
Aerospace series – Sleeving, heat-shrinkable, for binding, insulation and identification – Part 102: Very flexible polymer – Operating temperature – 75 °C to 150 °C – Product standard

FprEN 4856 en
Rotorcraft – Emergency Breathing Systems (EBS) – Requirements, testing and marking

FprEN 6059-407 en
Aerospace series – Electrical cables, installation – Protection sleeves – Test methods – Part 407: Mark adherence and print permanence

HZN/TU U1, *Opća elektrotehnika 1*

EN 60068-2-67:1996/prA1:2018 en
Environmental testing – Part 2-67: Tests – Test Cy: Damp heat, steady state, accelerated test primarily intended for components (IEC 60068-2-67:1995/am1:201X)
Ispitivanje utjecaja okoliša – Dio 2-67: Ispitivanja – Cy ispitivanje: Toplina s vlagom, stabilno stanje, ubrzano ispitivanje prije svega namijenjena za komponente (IEC 60068-2-67:1995/am1:201X)

prEN 60404-7:2018 en
Magnetic materials – Part 7: Method of measurement of the coercivity (up to 160 kA/m) of magnetic materials in an open magnetic circuit (IEC 60404-7:201X)

prEN 60404-9:2018 en
Magnetic materials – Part 9: Methods of determination of the geometrical characteristics of electrical steel strip and sheet (IEC 60404-9:201X)

prEN 60721-3-4:2018 en
Classification of environmental conditions – Part 3: Classification of groups of environmental parameters and their severities – Section 4: Stationary use at non-weatherprotected locations (IEC 60721-3-4:201X)
Razredba uvjeta okoliša – 3. dio: Razredba skupina utjecaja okoliša i njihove strogosti – Uporaba na stalnome mjestu nezaštićenu od vremenskih utjecaja (IEC 60721-3-4:201X)

prEN 61293:2018 en
Marking of electrical equipment with ratings related to electrical supply – Safety requirements (IEC 61293:201X)
Označavanje električne opreme brojčanim vrijednostima prema električnom napajanju – Sigurnosni zahtjevi (IEC 61293:201X)

HZN/TU V1, *Elektronika 1*

prEN 50411-4-1 en
Fibre organisers and closures to be used in optical fibre communication systems – Product specifications – Part 4-1: Passive optical street cabinet for category A

prEN 60384-16:2018 en
Fixed capacitors for use in electronic equipment – Part 16: Sectional specification: Fixed metallized polypropylene film dielectric d.c. capacitors (IEC 60384-16:201X)

prEN 60747-16-6:2018 en
Semiconductor devices – Part 16-6: Microwave integrated circuits – Frequency multipliers (IEC 60747-16-6:201X)

prEN 60749-17:2018 en
Semiconductor devices – Mechanical and climatic test methods – Part 17: Neutron irradiation (IEC 60749-17:201X)

prEN 60749-18:2018 en
Semiconductor devices – Mechanical and climatic test methods – Part 18: Ionizing radiation (total dose) (IEC 60749-18:201X)

prEN 60794-2-11:2018 en
Optical fibre cables – Part 2-11: Indoor optical fibre cables – Detailed specification for simplex and duplex cables for use in premises cabling (IEC 60794-2-11:201X)

prEN 60794-2-21:2018 en
Optical fibre cables – Part 2-21: Indoor optical fibre cables – Detailed specification for multi-fibre optical distribution cables for use in premises cabling (IEC 60794-2-21:201X)

prEN 60794-2-31:2018 en
Optical fibre cables – Part 2-31: Indoor cables – Detailed specification for optical fibre ribbon cables for use in premises cabling (IEC 60794-2-31:201X)

prEN 60904-4:2018 en
Photovoltaic devices – Part 4: Reference solar devices – Procedures for establishing calibration traceability (IEC 60904-4:201X)

prEN 60904-11:2018 en
Photovoltaic devices – Part 11: Measurement of light-induced degradation of crystalline silicon solar cells (IEC 60904-11:201X)

prEN 61315:2018 en
Calibration of fibre-optic power meters (IEC 61315:201X)

prEN 62446-2:2018 en
Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 2: Grid connected systems – Maintenance of PV systems (IEC 62446-2:201X)

prEN 62884-4:2018 en
Measurement techniques of piezoelectric, dielectric and electrostatic oscillators – Part 4: Short-term frequency stability test methods (IEC 62884-4:201X)

HZN/TU W1, *Energetska elektrotehnika 1*

EN 50342-1:2015/FprA1:2018 en
Lead-acid starter batteries – Part 1: General requirements and methods of test
Olovni akumulatori za pokretanje – 1. dio: Opći zahtjevi i metode ispitivanja

EN 50342-6:2015/FprA1:2018 en
Lead-acid starter batteries – Part 6: Batteries for Micro-Cycle Applications
Olovni akumulatori za pokretanje – 6. dio: Akumulatori za primjenu u mikrociklusima

prEN 50676:2018 en
Electrical equipment used for detection and concentration measurement of refrigerant gases or SF6 – Performance requirements and test methods

EN 61121:2013/FprAA:2018 en
Tumble dryers for household use – Methods for measuring the performance
Električne bubnjaste sušilice rublja za kućansku uporabu – Ispitne metode za mjerenje radnih značajka

prEN 61591:2018/prAA:2018 en
Cooking fume extractors – Methods for measuring performance

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 5, *Metalne cijevi i priključci*

HRN EN 1092-1:2013 en
Prirubnice i njihovi spojevi – Kružne prirubnice za cijevi, ventile, spojne dijelove i pribor, označene PN oznakom – 1. dio: Čelične prirubnice (EN 1092-1:2007+A1:2013)
Flanges and their joints – Circular flanges for pipes, valves, fittings and accessories, PN designated – Part 1: Steel flanges (EN 1092-1:2007+A1:2013)
- zamijenjena s: HRN EN 1092-1:2018

HRN EN 1092-1:2013/Ispr.1:2014 en
Prirubnice i njihovi spojevi – Kružne prirubnice za cijevi, ventile, spojne dijelove i pribor, označene PN oznakom – 1. dio: Čelične prirubnice (EN 1092-1:2007+A1:2013/AC:2014)
Flanges and their joints – Circular flanges for pipes, valves, fittings and accessories, PN designated – Part 1: Steel flanges (EN 1092-1:2007+A1:2013/AC:2014)
- zamijenjena s: HRN EN 1092-1:2018

HZN/TO 21, *Protupožarna i vatrogasna oprema*

HRN EN 1568-3:2008/Ispr.1:2011 en
Sredstva za gašenje požara – Pjenila – 3. dio: Specifikacija pjenila za dobivanje pjene niske ekspanzije za površinsku primjenu na tekućinama koje se ne miješaju s vodom (EN 1568-3:2008/AC:2010)
Fire extinguishing media – Foam concentrates – Part 3: Specification for low expansion foam concentrates for surface application to water-immiscible liquids (EN 1568-3:2008/AC:2010)
- zamijenjena s: HRN EN 1568-3:2018

HZN/TO 22, *Cestovna vozila*

HRN EN 1645-1:2012 en
Vozila za odmor – Prikolice za stanovanje (kamp-prikolice) – 1. dio: Smještajni zahtjevi koji se odnose na zdravlje i sigurnost (EN 1645-1:2012)
Leisure accommodation vehicles – Caravans – Part 1: Habitation requirements relating to health and safety (EN 1645-1:2012)
- zamijenjena s: HRN EN 1645-1:2018

HZN/TO 25, *Ljevarstvo*

HRN EN 287-6:2010 en
Provjera osposobljenosti zavarivača – Zavarivanje taljenjem – 6. dio: Lijeveno željezo (EN 287-6:2010)
Qualification test of welders – Fusion welding – Part 6: Cast iron (EN 287-6:2010)
- zamijenjena s: HRN EN 287-6:2018

HRN EN 1011-8:2007 en
Zavarivanje – Preporuke za zavarivanje metalnih materijala – 8. dio: Zavarivanje željeznih lijevova (EN 1011-8:2004)
Welding – Recommendations for welding of metallic materials – Part 8: Welding of cast irons (EN 1011-8:2004)
- zamijenjena s: HRN EN 1011-8:2018

HZN/TO 92, *Zaštita od požara*

HRN EN 15254-5:2010 en
Proširena primjena rezultata ispitivanja otpornosti na požar – Nenosivi zidovi – 5. dio: Konstrukcija metalnih sendvič panela (EN 15254-5:2009)
Extended application of results from fire resistance tests – Non-loadbearing walls – Part 5: Metal sandwich panel construction (EN 15254-5:2009)
- zamijenjena s: HRN EN 15254-5:2018

HRN EN 15254-7:2013 en
Proširena primjena rezultata ispitivanja otpornosti na požar – Nenosivi stropovi – 7. dio: Konstrukcija metalnih sendvič panela (EN 15254-7:2012)
Extended application of results from fire resistance tests – Non-loadbearing ceilings – Part 7: Metal sandwich panel construction (EN 15254-7:2012)
- zamijenjena s: HRN EN 15254-7:2018

HZN/TO 120, *Koža i obuća*

HRN EN ISO 20863:2008 en
Obuća – Metode ispitivanja lubova i kapica – Povezanost (ISO 20863:2004; EN ISO 20863:2004)
Footwear – Test method for stiffeners and toepuffs – Bondability (ISO 20863:2004; EN ISO 20863:2004)
- zamijenjena s: HRN EN ISO 20863:2018

HZN/TO 146, *Kvaliteta zraka*

HRN EN 689:2006 en
Atmosfera radnih prostora – Smjernica za ocjenu izloženosti kemijskim tvarima udisanjem za usporedbu s graničnim vrijednostima i za strategiju mjerenja (EN 689:1995)
Workplace atmospheres – Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy (EN 689:1995)
- zamijenjena s: HRN EN 689:2018

HZN/TO 172, *Optika i optički instrumenti*

HRN EN ISO 11979-7:2014 en
Oftalmološki implantanti – Intraokularne leće – 7. dio: Klinička istraživanja (ISO 11979-7:2014; EN ISO 11979-7:2014)
Ophthalmic implants – Intraocular lenses – Part 7: Clinical investigations (ISO 11979-7:2014; EN ISO 11979-7:2014)
- zamijenjena s: HRN EN ISO 11979-7:2018

HRN EN ISO 11979-10:2008 en
Oftalmološki implantanti – Intraokularne leće – 10. dio: Intraokularne leće za afakiju (ISO 11979-10:2006; EN ISO 11979-10:2006)
Ophthalmic implants – Intraocular lenses – Part 10: Phakic intraocular lenses (ISO 11979-10:2006; EN ISO 11979-10:2006)
- zamijenjena s: HRN EN ISO 11979-10:2018

HRN EN ISO 11979-10:2008/A1:2014 en
Oftalmološki implantanti – Intraokularne leće – 10. dio: Intraokularne leće za afakiju (ISO 11979-10:2006/Amd 1:2014; EN ISO 11979-10:2006/A1:2014)
Ophthalmic implants – Intraocular lenses – Part 10: Phakic intraocular lenses (ISO 11979-10:2006/Amd 1:2014; EN ISO 11979-10:2006/A1:2014)
- zamijenjena s: HRN EN ISO 11979-10:2018

HRN EN ISO 12870:2014 en
Oftalmološka optika – Okviri za naočale – Zahtjevi i metode ispitivanja (ISO 12870:2012; EN ISO 12870:2014)
Ophthalmic optics – Spectacle frames – Requirements and test methods (ISO 12870:2012; EN ISO 12870:2014)
- zamijenjena s: HRN EN ISO 12870:2018

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

HRN EN 81-21:2012 en

Sigurnosna pravila za konstrukciju i ugradnju dizala – Dizala za transport osoba i tereta – 21. dio: Nova osobna dizala i osobna teretna dizala u postojećim zgradama (EN 81-21:2009+A1:2012)

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 (EN 81-21:2009+A1:2012)

- zamijenjena s: HRN EN 81-21:2018

HRN EN 81-28:2003 en

Sigurnosna pravila za konstrukciju i ugradnju dizala – Dizala za prijevoz osoba i tereta – 28. dio: Daljinska dojava opasnosti na osobnim i osobno teretnim dizalima (EN 81-28:2003)

Safety rules for the construction and installation of lifts – Lifts for the transport of persons and goods – Part 28: Remote alarms on passenger and goods passenger lifts (EN 81-28:2003)

- zamijenjena s: HRN EN 81-28:2018

HZN/TO 503, Metalni materijali

HRN EN 15024-2:2008 en

Bakar i legure bakra – Određivanje sadržaja cinka – 2. dio: Metoda plamene atomske apsorpcijske spektrometrije (FAAS) (EN 15024-2:2006)

Copper and copper alloys – Determination of zinc content – Part 2: Flame atomic absorption spectrometry method (FAAS) (EN 15024-2:2006)

- zamijenjena s: HRN EN 15024-2:2018

HRN EN 24829-1:2008 en

Čelik i željezni ljev – Određivanje ukupnog sadržaja silicija – Spektrofotometrijska metoda pomoću reduciranog molibdendosilikata – 1. dio: Sadržaj silicija između 0,05 i 1,0 % (ISO 4829-1:1986; EN 24829-1:1990+AC:1991)

Steel and cast iron – Determination of total silicon content – Reduced molybdosilicate spectrophotometric method – Part 1: Silicon content between 0,05 and 1% (ISO 4829-1:1986; EN 24829-1:1990+AC:1991)

- zamijenjena s: HRN EN ISO 4829-1:2018

HZN/TO 525, Hidroizolacijski materijali i proizvodi za pokrivanje krovova

HRN EN 492:2016 en

Ploče i pomoćni dijelovi od cementa ojačanog vlaknima – Specifikacija proizvoda i metode ispitivanja (EN 492:2012+A1:2016)

Fibre-cement slates and fittings – Product specification and test methods (EN 492:2012+A1:2016)

- zamijenjena s: HRN EN 492:2018

HRN EN 12467:2016 en

Ravne ploče od cementa ojačanog vlaknima – Specifikacija proizvoda i metode ispitivanja (EN 12467:2012+A1:2016)

Fibre-cement flat sheets – Product specification and test methods (EN 12467:2012+A1:2016)

- zamijenjena s: HRN EN 12467:2018

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

HRN EN 13135:2013 en

Granici – Sigurnost – Projektiranje – Zahtjevi na opremu (EN 13135:2013)

Cranes – Safety – Design – Requirements for equipment (EN 13135:2013)

- zamijenjena s: HRN EN 13135:2018

HZN/TO 531, Plastika i guma

HRN EN ISO 11357-3:2013 en

Plastika – Diferencijalna pretražna kalorimetrija – 3. dio: Određivanje tališta, kristališta i topline taljenja i kristalizacije (ISO 11357-3:2011; EN ISO 11357-3:2013)

Plastics – Differential scanning calorimetry (DSC) – Part 3: Determination of temperature and enthalpy of melting and crystallization (ISO 11357-3:2011; EN ISO 11357-3:2013)

- zamijenjena s: HRN EN ISO 11357-3:2018

HZN/TO 534, Spremnici za teret

HRN EN 1252-2:2004 en

Kriogenične posude – Materijali – 2. dio: Zahtjevi za žilavost pri temperaturama između -80 °C i -20 °C (EN 1252-2:2001)

Cryogenic vessels – Materials – Part 2: Toughness requirements for temperatures between -80 °C and -20 °C (EN 1252-2:2001)

- zamijenjena s: HRN EN ISO 21028-2:2018

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

HRN EN 12216:2003 en,fr,de

Zasloni, vanjska sjenila, unutarnja sjenila – Nazivlje, glosarij i definicije (EN 12216:2002)

Shutters, external blinds, internal blinds – Terminology, glossary and definitions (EN 12216:2002)

- zamijenjena s: HRN EN 12216:2018

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

HRN EN 12977-4:2012 en

Thermal solar systems and components – Custom built systems – Part 4: Performance test methods for solar combistores (EN 12977-4:2012)

- zamijenjena s: HRN EN 12977-4:2018

HZN/TO 544, Strojni elementi

HRN EN 14399-9:2009 en

Visokočvrsti konstrukcijski predopterećeni vijčani spojevi – 9. dio: Sustav HR ili HV – Izravni indikatori opterećenja za spojeve vijka i matice (EN 14399-9:2009)

High-strength structural bolting assemblies for preloading – Part 9: System HR or HV – Direct tension indicators for bolt and nut assemblies (EN 14399-9:2009)

- zamijenjena s: HRN EN 14399-9:2018

HRN EN 14399-10:2009 en

Visokočvrsti konstrukcijski predopterećeni vijčani spojevi – 10. dio: Sustav HRC – Spojevi vijka i matice s kalibriranim predopterećenjem (EN 14399-10:2009)

High-strength structural bolting assemblies for preloading – Part 10: System HRC – Bolt and nut assemblies with calibrated preload (EN 14399-10:2009)

- zamijenjena s: HRN EN 14399-10:2018

HZN/TO 548, Konstrukcijski eurokodovi

HRN EN 1993-4-1:2014/NA:2014 hr-en

Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 4-1: Silosi – Nacionalni dodatak

Eurocode 3: Design of steel structures – Part 4-1: Silos – National Annex

- zamijenjena s: HRN EN 1993-4-1:2014/NA:2018

HRN EN 1993-4-2:2014/NA:2014 hr-en

Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 4-2: Spremnici – Nacionalni dodatak

Eurocode 3: Design of steel structures – Part 4-2: Tanks – National Annex

- zamijenjena s: HRN EN 1993-4-2:2014/NA:2018

HZN/TO 553, Predgotovljeni proizvodi

HRN EN 13369:2013 en

Opća pravila za predgotovljene betonske elemente (EN 13369:2013)

Common rules for precast concrete products (EN 13369:2013)

- zamijenjena s: HRN EN 13369:2018

HZN/TO 558, Zaštita dišnih putova

HRN EN 144-1/A1:2004 en

Zaštitne naprave za disanje – Ventili plinske boce – 1. dio: Spojevi s navojem za umetnutu spojnicu (EN 144-1:2000/A1:2003)

Respiratory protective devices – Gas cylinder valves – Part 1: Thread connections for insert connector (EN 144-1:2000/A1:2003)

- zamijenjena s: HRN EN 144-1:2018

HRN EN 144-1/A2:2006 en

Zaštitne naprave za disanje – Ventili plinske boce – 1. dio: Spojevi s navojem za umetnutu spojnicu (EN 144-1:2000/A2:2005)

Respiratory protective devices – Gas cylinder valves – Part 1: Thread connections for insert connector (EN 144-1:2000/A2:2005)

- zamijenjena s: HRN EN 144-1:2018

HRN EN 144-1:2002 en
Zaštitne naprave za disanje – Ventili plinske boce – 1. dio:
Spojevi s navojem za umetnutu spojnicu (EN 144-1:2000)
Respiratory protective devices – Gas cylinder valves – Part 1:
Thread connection for insert connector (EN 144-1:2000)
- zamijenjena s: HRN EN 144-1:2018

HRN EN 144-2:2002 en
Zaštitne naprave za disanje – Ventili plinske boce – 2. dio:
Izlazni spojevi (EN 144-2:1998)
Respiratory protective devices – Gas cylinder valves – Part 2:
Outlet connections (EN 144-2:1998)
- zamijenjena s: HRN EN 144-2:2018

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

HRN EN 13445-1:2014/A1:2014 en
Neložene tlačne posude – 1. dio: Općenito
(EN 13445-1:2014/A1:2014)
Unfired pressure vessels – Part 1: General
(EN 13445-1:2014/A1:2014)
- bez zamjene

HRN EN 13445-2:2014/A1:2016 en
Neložene tlačne posude – 2. dio: Materijali
(EN 13445-2:2014/A1:2016)
Unfired pressure vessels – Part 2: Materials
(EN 13445-2:2014/A1:2016)
- bez zamjene

HRN EN 13445-3:2014/A1:2015 en
Neložene tlačne posude – 3. dio: Projektiranje
(EN 13445-3:2014/A1:2015)
Unfired pressure vessels – Part 3: Design
(EN 13445-3:2014/A1:2015)
- bez zamjene

HRN EN 13445-3:2014/A2:2016 en
Neložene tlačne posude – 3. dio: Projektiranje
(EN 13445-3:2014/A2:2016)
Unfired pressure vessels – Part 3: Design
(EN 13445-3:2014/A2:2016)
- bez zamjene

HRN EN 13445-4:2015/A1:2016 en
Neložene tlačne posude – 4. dio: Proizvodnja
(EN 13445-4:2014/A1:2016)
Unfired pressure vessels – Part 4: Fabrication
(EN 13445-4:2014/A1:2016)
- bez zamjene

HRN EN 13445-6:2014/A1:2015 en
Neložene tlačne posude – 6. dio: Zahtjevi za projektiranje
i proizvodnju tlačnih posuda i dijelova posuda izrađenih od
nodularnog lijeva (EN 13445-6:2014/A1:2015)
Unfired pressure vessels – Part 6: Requirements for the
design and fabrication of pressure vessels and pressure
parts constructed from spheroidal graphite cast iron
(EN 13445-6:2014/A1:2015)
- bez zamjene

HRN EN 13445-8:2014/A1:2015 en
Neložene tlačne posude – 8. dio: Dodatni zahtjevi
za tlačne posude od aluminija i aluminijevih legura
(EN 13445-8:2014/A1:2014)
Unfired pressure vessels – Part 8: Additional requirements
for pressure vessels of aluminium and aluminium alloys
(EN 13445-8:2014/A1:2014)
- bez zamjene

HZN/TO 566, *Mlijeko i mliječni proizvodi*

HRN EN ISO 9233-1:2013 en
Sir, kora sira i topljeni sir – Određivanje udjela natamicina
– 1. dio: Metoda molekularne apsorpcijske spektrometrije
za koru sira (ISO 9233-1:2007, uključujući Amd 1:2012;
EN ISO 9233-1:2013)
Cheese, cheese rind and processed cheese
– Determination of natamycin content – Part 1: Molecular
absorption spectrometric method for cheese rind
(ISO 9233-1:2007, including Amd 1:2012; EN ISO 9233-1:2013)
- zamijenjena s: HRN EN ISO 9233-1:2018

HRN EN ISO 9233-2:2013 en
Sir, kora sira i topljeni sir – Određivanje udjela
natamicina – 2. dio: Metoda tekućinske kromatografije
visokog učinka za sir, koru sira i topljeni sir
(ISO 9233-2:2007, uključujući Amd 1:2012; EN ISO 9233-2:2013)
Cheese, cheese rind and processed cheese – Determination
of natamycin content – Part 2: High-performance liquid
chromatographic method for cheese, cheese rind and
processed cheese (ISO 9233-2:2007, including Amd 1:2012;
EN ISO 9233-2:2013)
- zamijenjena s: HRN EN ISO 9233-2:2018

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

HRN EN ISO 11260:2012 en
Kvaliteta tla – Određivanje stvarnog kapaciteta zamjene
kationa i stupnja zasićenosti bazama s otopinom barijeva
klorida (ISO 11260:1994+Cor 1:1996; EN ISO 11260:2011)
Soil quality – Determination of effective cation exchange
capacity and base saturation level using barium chloride
solution (ISO 11260:1994+Cor 1:1996; EN ISO 11260:2011)
- zamijenjena s: HRN EN ISO 11260:2018

HRN EN ISO 14254:2012 en
Kvaliteta tla – Određivanje zamjenjive kiseline u ekstraktu
barijevog klorida (ISO 14254:2001; EN ISO 14254:2011)
Soil quality – Determination of exchangeable acidity in barium
chloride extracts (ISO 14254:2001; EN ISO 14254:2011)
- zamijenjena s: HRN EN ISO 14254:2018

HZN/TU M1, *Metalni materijali 1*

HRN EN 24506:2008 en
Tvrdi metali – Tlačno ispitivanje (ISO 4506:1979; EN 24506:1993)
Hardmetals – Compression test (ISO 4506:1979; EN 24506:1993)
- zamijenjena s: HRN EN ISO 4506:2018

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

HRN EN ISO 5832-2:2012 en
Kirurški implantati – Metalni materijali – 2. dio: Nelegirani titan
(ISO 5832-2:1999; EN ISO 5832-2:2012)
Implants for surgery – Metallic materials – Part 2: Unalloyed
titanium (ISO 5832-2:1999; EN ISO 5832-2:2012)
- zamijenjena s: HRN EN ISO 5832-2:2018

HRN EN ISO 10139-1:2008 en
Stomatologija – Mekani materijali za podlaganje mobilnih
zubnih proteza – 1. dio: Materijali za kratkotrajnu upotrebu
(ISO 10139-1:2005+Cor 1:2006; EN ISO 10139-1:2005+AC:2006)
Dentistry – Soft lining materials for removable dentures
– Part 1: Materials for short-term use
(ISO 10139-1:2005+Cor 1:2006; EN ISO 10139-1:2005+AC:2006)
- zamijenjena s: HRN EN ISO 10139-1:2018

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

HRN EN 2944:2008 en
Nizovi o zrakoplovstvu – Zatici, sa vijčastim navojem, sa
spiralnim svitkom, samozatvarajući, od čelika otpornog na
koroziju FE-PA3004 (EN 2944:1998)
Aerospace series – Inserts, screw thread, helical coil,
self-locking, in corrosion resisting steel FE-PA3004
(EN 2944:1998)
- zamijenjena s: HRN EN 2944:2018

HRN EN 3542:2008 en
Nizovi o zrakoplovstvu – Zatici, spiralnog navoja, spiralnog
svitka, samozatvarajući, legura na bazi nikla otporna na
toplinu NI-PH2801 (Inconel X750) (EN 3542:1998)
Aerospace series – Inserts, screw thread, helical coil, self-
locking, in heat resisting nickel base alloy NI-PH2801 (Inconel
X750) (EN 3542:1998)
- zamijenjena s: HRN EN 3542:2018

HRN EN 13292:2008 en
Norme za svemirsko inženjerstvo – Politika i načela
(EN 13292:1999)
Space engineering standards – Policy and principles
(EN 13292:1999)
- zamijenjena s: HRN EN 16603-10:2018

HRN EN 14514:2008 en
Norme za svemirsko inženjerstvo – Funkcionalne analize
(EN 14514:2004)
Space engineering standards – Functional analysis
(EN 14514:2004)
- zamijenjena s: HRN EN 16603-10:2018

HRN EN 14607-7:2008 en
Svemirsko inženjerstvo – Strojarstvo – 7. dio: Strojarški dijelovi (EN 14607-7:2004)
Space engineering – Mechanical – Part 7: Mechanical parts (EN 14607-7:2004)
- zamijenjena s: HRN EN 16603-10:2018

HRN EN ISO 14620-1:2008 en
Svemirski sustavi – Sigurnosni zahtjevi – 1. dio: Sigurnost sustava (ISO 14620-1:2002; EN ISO 14620-1:2002)
Space systems – Safety requirements – Part 1: System safety (ISO 14620-1:2002; EN ISO 14620-1:2002)
- zamijenjena s: HRN EN 16602-40:2018

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 ISO 12345:2014
Dizelski motori – Ocjena čistoće opreme za ubrizgavanje goriva (ISO 12345:2013)
Diesel engines – Cleanliness assessment of fuel injection equipment (ISO 12345:2013)

• **treba biti**
HRN ISO 12345:2014
Dizelski motori – Ocjena čistoće opreme za ubrizgavanje goriva (ISO 12345:2013, **ispravljena verzija 2014-05**)
Diesel engines – Cleanliness assessment of fuel injection equipment (ISO 12345:2013, **Corrected version 2014-05**)

HZN/TO 44, Zavarivanje i srodni postupci

• **umjesto**
HRN EN ISO 13918:2018
Zavarivanje – Svornjaci i keramički prstenovi za elektrolučno zavarivanje svornjaka (ISO 13918:2017; EN ISO 13918:2018)
Welding – Studs and ceramic ferrules for arc stud welding (ISO 13918:2017; EN ISO 13918:2018)

• **treba biti**
HRN EN ISO 13918:2018
Zavarivanje – Svornjaci i keramički prstenovi za elektrolučno zavarivanje svornjaka (ISO 13918:2017, **ispravljena verzija 2018-05**; EN ISO 13918:2018)
Welding – Studs and ceramic ferrules for arc stud welding (ISO 13918:2017, **Corrected version 2018-05**; EN ISO 13918:2018)

HZN/TO 135, Nerazorna ispitivanja

• **umjesto**
HRN EN ISO 16371-2:2017
Nerazorno ispitivanje – Industrijska računalna radiografija s pohranom slike upotrebom fosfornih ploča – 2. dio: Osnovna načela za ispitivanje metalnih materijala upotrebom X zraka i gama zraka (ISO 16371-2:2017; EN ISO 16371-2:2017)
Non-destructive testing – Industrial computed radiography with storage phosphor imaging plates – Part 2: General principles for testing of metallic materials using X-rays and gamma rays (ISO 16371-2:2017; EN ISO 16371-2:2017)

• **treba biti**
HRN EN ISO 16371-2:2017
Nerazorno ispitivanje – Industrijska računalna radiografija s pohranom slike upotrebom fosfornih ploča – 2. dio: Osnovna načela za ispitivanje metalnih materijala upotrebom X zraka i gama zraka (ISO 16371-2:2017, **ispravljena verzija 2018-05**; EN ISO 16371-2:2017)
Non-destructive testing – Industrial computed radiography with storage phosphor imaging plates – Part 2: General principles for testing of metallic materials using X-rays and gamma rays (ISO 16371-2:2017, **Corrected version 2018-05**; EN ISO 16371-2:2017)

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

• **umjesto**
HRN EN ISO 11623:2016
Plinske boce – Kompozitna konstrukcija – Periodični pregled i ispitivanje (ISO 11623:2015; EN ISO 11623:2015)
Gas cylinders – Composite construction – Periodic inspection and testing (ISO 11623:2015; EN ISO 11623:2015)

• **treba biti**
HRN EN ISO 11623:2016
Plinske boce – Kompozitna konstrukcija – Periodični pregled i ispitivanje (ISO 11623:2015, **ispravljena verzija 2017-02**; EN ISO 11623:2015)
Gas cylinders – Composite construction – Periodic inspection and testing (ISO 11623:2015, **Corrected version 2017-02**; EN ISO 11623:2015)

• **umjesto**
HRN EN ISO 12209:2013/A1:2017
Plinske boce – Izlazni priključci ventila plinskih boca za zrak za disanje – Amandman 1: Izlazni priključci do maksimalno 500 bara radnoga tlaka boca (ISO 12209:2013/Amd 1:2016; EN ISO 12209:2013/A1:2016)
Gas cylinders – Outlet connections for gas cylinder valves for compressed breathable air – Amendment 1: Outlet connection up to a maximum cylinder working pressure of 500 bar (ISO 12209:2013/Amd 1:2016; EN ISO 12209:2013/A1:2016)

• **treba biti**
HRN EN ISO 12209:2013/A1:2017
Plinske boce – Izlazni priključci ventila plinskih boca za zrak za disanje – Amandman 1: Izlazni priključci do maksimalno 500 bara radnoga tlaka boca (ISO 12209:2013/Amd 1:2016, **ispravljena verzija 2017-03**; EN ISO 12209:2013/A1:2016)
Gas cylinders – Outlet connections for gas cylinder valves for compressed breathable air – Amendment 1: Outlet connection up to a maximum cylinder working pressure of 500 bar (ISO 12209:2013/Amd 1:2016, **Corrected version 2017-03**; EN ISO 12209:2013/A1:2016)

• **umjesto**
HRN EN 13445-1:2014
Neložene tlačne posude – 1. dio: Općenito (EN 13445-1:2014)
Unfired pressure vessels – Part 1: General (EN 13445-1:2014)

• **treba biti**
HRN EN 13445-1:2014
Neložene tlačne posude – 1. dio: Općenito (EN 13445-1:2014, **4. izdanje 2017-07**)
Unfired pressure vessels – Part 1: General (EN 13445-1:2014, **Issue 4 2017-07**)

• **umjesto**
HRN EN 13445-2:2014
Neložene tlačne posude – 2. dio: Materijali (EN 13445-2:2014)
Unfired pressure vessels – Part 2: Materials (EN 13445-2:2014)

• **treba biti**
HRN EN 13445-2:2014
Neložene tlačne posude – 2. dio: Materijali (EN 13445-2:2014, **4. izdanje 2017-07**)
Unfired pressure vessels – Part 2: Materials (EN 13445-2:2014, **Issue 4 2017-07**)

• **umjesto**
HRN EN 13445-3:2014
Neložene tlačne posude – 3. dio: Projektiranje (EN 13445-3:2014)
Unfired pressure vessels – Part 3: Design (EN 13445-3:2014)

• **treba biti**
HRN EN 13445-3:2014
Neložene tlačne posude – 3. dio: Projektiranje (EN 13445-3:2014, **4. izdanje 2017-07**)
Unfired pressure vessels – Part 3: Design (EN 13445-3:2014, **Issue 4 2017-07**)

- **umjesto**

HRN EN 13445-4:2015
Neložene tlačne posude – 4. dio: Proizvodnja (EN 13445-4:2014)
Unfired pressure vessels – Part 4: Fabrication (EN 13445-4:2014)

- **treba biti**

HRN EN 13445-4:2015
Neložene tlačne posude – 4. dio: Proizvodnja (EN 13445-4:2014,
4. izdanje 2017-07)
Unfired pressure vessels – Part 4: Fabrication (EN 13445-4:2014,
Issue 4 2017-07)

- **umjesto**

HRN EN 13445-5:2014
Neložene tlačne posude – 5. dio: Pregled i ispitivanje
(EN 13445-5:2014)
Unfired pressure vessels – Part 5: Inspection and testing
(EN 13445-5:2014)

- **treba biti**

HRN EN 13445-5:2014
Neložene tlačne posude – 5. dio: Pregled i ispitivanje
(EN 13445-5:2014, **4. izdanje 2017-07**)
Unfired pressure vessels – Part 5: Inspection and testing
(EN 13445-5:2014, **Issue 4 2017-07**)

- **umjesto**

HRN EN 13445-6:2014
Neložene tlačne posude – 6. dio: Zahtjevi za projektiranje
i proizvodnju tlačnih posuda i dijelova posuda izrađenih od
nodularnog lijeva (EN 13445-6:2014)
Unfired pressure vessels – Part 6: Requirements for the
design and fabrication of pressure vessels and pressure
parts constructed from spheroidal graphite cast iron
(EN 13445-6:2014)

- **treba biti**

HRN EN 13445-6:2014
Neložene tlačne posude – 6. dio: Zahtjevi za projektiranje
i proizvodnju tlačnih posuda i dijelova posuda izrađenih od
nodularnog lijeva (EN 13445-6:2014, **4. izdanje 2017-07**)
Unfired pressure vessels – Part 6: Requirements for the
design and fabrication of pressure vessels and pressure
parts constructed from spheroidal graphite cast iron
(EN 13445-6:2014, **Issue 4 2017-07**)

- **umjesto**

HRN EN 13445-8:2014
Neložene tlačne posude – 8. dio: Dodatni zahtjevi za tlačne
posude od aluminija i aluminijevih legura (EN 13445-8:2014)
Unfired pressure vessels – Part 8: Additional requirements
for pressure vessels of aluminium and aluminium alloys
(EN 13445-8:2014)

- **treba biti**

HRN EN 13445-8:2014
Neložene tlačne posude – 8. dio: Dodatni zahtjevi za tlačne
posude od aluminija i aluminijevih legura (EN 13445-8:2014,
4. izdanje 2017-07)
Unfired pressure vessels – Part 8: Additional requirements
for pressure vessels of aluminium and aluminium alloys
(EN 13445-8:2014, **Issue 4 2017-07**)

2 Rezultati međunarodne i europske normizacije razvrstani po predmetnom ustroju

01.020 Nazivlje (načela i usklađivanje)

Međunarodna normizacija
ISO

ISO 24615-2:2018
Language resource management – Syntactic annotation framework (SynAF) – Part 2: XML serialization (Tiger vocabulary)

01.040.03 Usluge. Ustrojstvo poduzeća, upravljanje i kvaliteta. Administracija. Prijevoz. Sociologija. (Rječnici)

Europska normizacija
CEN

EN ISO 22300:2018
Security and resilience – Vocabulary (ISO 22300:2018)

Međunarodna normizacija
ISO

ISO 22300:2018
Security and resilience – Vocabulary

01.040.13 Okoliš. Zaštita zdravlja. Sigurnost (Rječnici)

Međunarodna normizacija
ISO

ISO 12749-5:2018
Nuclear energy, nuclear technologies, and radiological protection – Vocabulary – Part 5: Nuclear reactors

01.040.23 Hidraulički i pneumatski sustavi i sastavni dijelovi za opću upotrebu (Rječnici)

Europska normizacija
CEN

EN 736-1:2018
Valves – Terminology – Part 1: Definition of types of valves

01.040.25 Proizvodna tehnika (Rječnici)

Međunarodna normizacija
ISO

ISO 1703:2018
Assembly tools for screws and nuts – Nomenclature

ISO 4885:2018
Ferrous materials – Heat treatments – Vocabulary

01.040.27 Prijenos energije i topline (Rječnici)

Međunarodna normizacija
IEC

IEC 62933-1:2018
Electrical energy storage (EES) systems – Part 1: Vocabulary

01.040.35 Informacijska tehnologija. Uredski strojevi (Rječnici)

Međunarodna normizacija
ISO/IEC

ISO/IEC 27000:2018
Information technology – Security techniques – Information security management systems – Overview and vocabulary

01.040.77 Metalurgija (Rječnici)

Međunarodna normizacija
ISO

ISO 4885:2018
Ferrous materials – Heat treatments – Vocabulary

01.080.20 Grafički simboli za upotrebu na posebnoj opremi

Međunarodna normizacija
ISO

ISO 11532:2018
Aircraft ground equipment – Graphical symbols

01.100.01 Tehnički crteži općenito

Međunarodna normizacija
ISO

ISO 129-1:2018
Technical product documentation (TPD) – Presentation of dimensions and tolerances – Part 1: General principles

01.120 Normizacija. Opća pravila

Europska normizacija
CEN/CENELEC

CEN/CENELEC Internal Regulation Part 1:2018
Organization and structure

CEN/CENELEC Internal Regulation Part 2:2017
Common Rules For Standardization Work

CEN/CENELEC Internal Regulation Part 3:2017
Principles and rules for the structure and drafting of CEN and CENELEC documents (ISO/IEC Directives – Part 2:2016, modified)

CEN/CENELEC Internal Regulation Part 4:2014
Certification

01.140.20 Informacijske znanosti

Međunarodna normizacija
IEC

IEC 62702-1-1 Corrigendum 1:2018
Audio archive system – Part 1-1: DVD disk and data migration for long term audio data storage; Corrigendum 1

03.100.01 Ustroj poduzeća i upravljanje poduzećem općenito

Europska normizacija
CEN

EN ISO 22300:2018
Security and resilience – Vocabulary (ISO 22300:2018)

Međunarodna normizacija ISO

- ISO 22300:2018
Security and resilience – Vocabulary
- ISO 31000:2018
Risk management – Guidelines

03.100.10 Nabava. Opskrba. Logistika

Europska normizacija CEN

- CEN/TR 17014-101:2018
Electronic public procurement – Business interoperability interfaces (BII), e-Tendering – Part 101: Overview
- CEN/TR 17015-101:2018
Electronic public procurement – Business interoperability interfaces (BII), e-Catalogue – Part 101: Overview

03.100.70 Sustavi upravljanja

Međunarodna normizacija ISO/IEC

- ISO/IEC 27000:2018
Information technology – Security techniques – Information security management systems – Overview and vocabulary

07.100.20 Mikrobiologija vode

Europska normizacija CEN

- EN ISO 11133:2014/A1:2018
Microbiology of food, animal feed and water – Preparation, production, storage and performance testing of culture media – Amendment 1 (ISO 11133:2014/Amd 1:2018)

Međunarodna normizacija ISO

- ISO 11133 AMD 1:2018
Microbiology of food, animal feed and water – Preparation, production, storage and performance testing of culture media; Amendment 1

07.100.30 Mikrobiologija hrane

Europska normizacija CEN

- EN ISO 11133:2014/A1:2018
Microbiology of food, animal feed and water – Preparation, production, storage and performance testing of culture media – Amendment 1 (ISO 11133:2014/Amd 1:2018)

Međunarodna normizacija ISO

- ISO 11133 AMD 1:2018
Microbiology of food, animal feed and water – Preparation, production, storage and performance testing of culture media; Amendment 1

11.040.10 Anestezijska, respiracijska i reanimacijska oprema

Europska normizacija CEN

- EN ISO 80601-2-55:2018
Medical electrical equipment – Part 2-55: Particular requirements for the basic safety and essential performance of respiratory gas monitors (ISO 80601-2-55:2018)

Međunarodna normizacija ISO

- ISO 80601-2-55:2018
Medical electrical equipment – Part 2-55: Particular requirements for the basic safety and essential performance of respiratory gas monitors

IEC

- IEC 60601-2-4 AMD 1:2018
Medical electrical equipment – Part 2-4: Particular requirements for the basic safety and essential performance of cardiac defibrillators; Amendment 1
- IEC 60601-2-4 Edition 3.1:2018
Medical electrical equipment – Part 2-4: Particular requirements for the basic safety and essential performance of cardiac defibrillators

11.040.40 Implantati za kirurgiju, protetiku i ortotiku

Međunarodna normizacija ISO

- ISO 17327-1:2018
Non-active surgical implants – Implant coating – Part 1: General requirements

11.060.10 Stomatološki materijali

Europska normizacija CEN

- EN ISO 13897:2018
Dentistry – Dental amalgam reusable mixing-capsules (ISO 13897:2018)
- EN ISO 19023:2018
Dentistry – Orthodontic anchor screws (ISO 19023:2018)

Međunarodna normizacija ISO

- ISO 13897:2018
Dentistry – Dental amalgam reusable mixing-capsules
- ISO 19023:2018
Dentistry – Orthodontic anchor screws

11.060.20 Stomatološka oprema

Europska normizacija CEN

- EN ISO 7492:2018
Dentistry – Dental explorer (ISO 7492:2018)

11.180.15 Pomagala za gluhe i osobe oštećenog sluha

Europska normizacija CENELEC

- EN IEC 60118-4:2015/A1:2018
Electroacoustics – Hearing aids – Part 4: Induction-loop systems for hearing aid purposes – System performance requirements (IEC 60118-4:2014/A1:2017)
- EN 62489-1:2010/A2:2018
Electroacoustics – Audio-frequency induction loop systems for assisted hearing – Part 1: Methods of measuring and specifying the performance of system components (IEC 62489-1:2010/A2:2017)

13.020.50 Ekološko označivanje

Međunarodna normizacija ISO

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

13.060.01 Kvaliteta vode općenito

Međunarodna normizacija ISO

ISO 20760-1:2018
Water reuse in urban areas – Guidelines for centralized water reuse system – Part 1: Design principle of a centralized water reuse system

13.080.05 Ispitivanje tla općenito, uključujući uzorkovanje

Europska normizacija CEN

EN ISO 14688-1:2018
Geotechnical investigation and testing – Identification and classification of soil – Part 1: Identification and description (ISO 14688-1:2017)

EN ISO 14688-2:2018
Geotechnical investigation and testing – Identification and classification of soil – Part 2: Principles for a classification (ISO 14688-2:2017)

13.080.20 Fizikalna svojstva tla

Europska normizacija CEN

EN ISO 17892-7:2018
Geotechnical investigation and testing – Laboratory testing of soil – Part 7: Unconfined compression test (ISO 17892-7:2017)

Međunarodna normizacija ISO

ISO 17892-8:2018
Geotechnical investigation and testing – Laboratory testing of soil – Part 8: Unconsolidated undrained triaxial test

ISO 17892-9:2018
Geotechnical investigation and testing – Laboratory testing of soil – Part 9: Consolidated triaxial compression tests on water saturated soils

13.080.30 Biološka svojstva tla

Europska normizacija CEN

EN ISO 17601:2018
Soil quality – Estimation of abundance of selected microbial gene sequences by quantitative PCR from DNA directly extracted from soil (ISO 17601:2016)

EN ISO 18187:2018
Soil quality – Contact test for solid samples using the dehydrogenase activity of *Arthrobacter globiformis* (ISO 18187:2016)

13.100 Radna sigurnost. Industrijska higijena

Međunarodna normizacija ISO

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 45001:2018
Occupational health and safety management systems – Requirements with guidance for use

13.140 Utjecaj buke na ljude

Europska normizacija CEN

EN ISO 389-1:2018
Acoustics – Reference zero for the calibration of audiometric equipment – Part 1: Reference equivalent threshold sound pressure levels for pure tones and supra-aural earphones (ISO 389-1:2017)

13.220.10 Vatrogastvo

Europska normizacija CEN

EN 1568-1:2018
Fire extinguishing media – Foam concentrates – Part 1: Specification for medium expansion foam concentrates for surface application to water-immiscible liquids

EN 1568-2:2018
Fire extinguishing media – Foam concentrates – Part 2: Specification for high expansion foam concentrates for surface application to water-immiscible liquids

EN 1568-4:2018
Fire extinguishing media – Foam concentrates – Part 4: Specification for low expansion foam concentrates for surface application to water-miscible liquids

13.220.40 Zapaljivost i ponašanje materijala i proizvoda pri izgaranju

Europska normizacija CEN

EN ISO 12138:2018
Textiles – Domestic laundering procedures for textile fabrics prior to flammability testing (ISO 12138:2017)

13.260 Zaštita od električnog udara. Rad pod naponom

Međunarodna normizacija IEC

IEC 60364-4-41 Edition 5.1 Corrigendum 1:2018
Low-voltage electrical installations – Part 4-41: Protection for safety – Protection against electric shock; Corrigendum 1

13.280 Zaštita od zračenja

Međunarodna normizacija ISO

ISO 12749-5:2018
Nuclear energy, nuclear technologies, and radiological protection – Vocabulary – Part 5: Nuclear reactors

13.310 Zaštita od kriminala

Međunarodna normizacija ISO

ISO/IEC 20243-1:2018
Information technology – Open Trusted Technology Provider™ Standard (O-TTPS) – Mitigating maliciously tainted and counterfeit products – Part 1: Requirements and recommendations

IEC

IEC 62820-3-2:2018
Building intercom systems – Part 3-2: Application guidelines – Advanced security building intercom systems (ASBIS)

17.040.30 Mjerni instrumenti

Međunarodna normizacija ISO

ISO 1206:2018
Rolling bearings – Needle roller bearings with machined rings – Boundary dimensions, geometrical product specifications (GPS) and tolerance values

17.140.01 Akustička mjerenja i smanjenje buke općenito

Međunarodna normizacija ISO

ISO 3743-2:2018
Acoustics – Determination of sound power levels of noise sources using sound pressure – Engineering methods for small, movable sources in reverberant fields – Part 2: Methods for special reverberation test rooms

17.140.50 Elektroakustika

Europska normizacija CENELEC

EN 62489-1:2010/A2:2018
Electroacoustics – Audio-frequency induction loop systems for assisted hearing – Part 1: Methods of measuring and specifying the performance of system components (IEC 62489-1:2010/A2:2017)

17.180.30 Optički mjerni instrumenti

Međunarodna normizacija ISO

ISO 17123-5:2018
Optics and optical instruments – Field procedures for testing geodetic and surveying instruments – Part 5: Total stations

17.220.20 Mjerenje električnih i magnetskih veličina

Europska normizacija CENELEC

EN IEC 62828-1:2018
Reference conditions and procedures for testing industrial and process measurement transmitters – Part 1: General procedures for all types of transmitters (IEC 62828-1:2017)

EN IEC 62828-2:2018
Reference conditions and procedures for testing industrial and process measurement transmitters – Part 2: Specific procedures for pressure transmitters (IEC 62828-2:2017)

19.040 Ispitivanje utjecaja okoliša

Europska normizacija CENELEC

EN IEC 60068-2-52:2018
Environmental testing – Part 2: Tests – Test Kb: Salt mist, cyclic (sodium chloride solution) (IEC 60068-2-52:2017)

Međunarodna normizacija IEC

IEC 60721-3-1:2018
Classification of environmental conditions – Part 3-1: Classification of groups of environmental parameters and their severities – Storage

IEC 60721-3-2:2018
Classification of environmental conditions – Part 3-2: Classification of groups of environmental parameters and their severities – Transportation and handling

19.060 Mehanička ispitivanja

Europska normizacija CEN

EN ISO 4545-2:2018
Metallic materials – Knoop hardness test – Part 2: Verification and calibration of testing machines (ISO 4545-2:2017)

EN ISO 4545-3:2018
Metallic materials – Knoop hardness test – Part 3: Calibration of reference blocks (ISO 4545-3:2017)

21.100.20 Valjni ležajevi

Međunarodna normizacija ISO

ISO 1206:2018
Rolling bearings – Needle roller bearings with machined rings – Boundary dimensions, geometrical product specifications (GPS) and tolerance values

ISO 15312:2018
Rolling bearings – Thermal speed rating – Calculation

23.020.35 Plinske boce

Europska normizacija CEN

EN ISO 11363-1:2018
Gas cylinders – 17E and 25E taper threads for connection of valves to gas cylinders – Part 1: Specifications (ISO 11363-1:2018)

Međunarodna normizacija ISO

ISO 20475:2018
Gas cylinders – Cylinder bundles – Periodic inspection and testing

23.020.40 Kriogeničke posude

Međunarodna normizacija ISO

ISO 21029-1:2018
Cryogenic vessels – Transportable vacuum insulated vessels of not more than 1 000 litres volume – Part 1: Design, fabrication, inspection and tests

23.040.10 Cijevi od lijevanog željeza i čelika

Europska normizacija CEN

- EN ISO 3183:2012/A1:2018
Petroleum and natural gas industries – Steel pipe for pipeline transportation systems – Amendment 1 (ISO 3183:2012/Amd 1:2017)

23.040.20 Plastične cijevi

Europska normizacija CEN

- EN ISO 11296-2:2018
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 2: Lining with continuous pipes (ISO 11296-2:2018)
- EN ISO 11296-4:2018
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 4: Lining with cured-in-place pipes (ISO 11296-4:2018)
- EN ISO 11297-2:2018
Plastics piping systems for renovation of underground drainage and sewerage networks under pressure – Part 2: Lining with continuous pipes (ISO 11297-2:2018)
- EN ISO 11297-4:2018
Plastics piping systems for renovation of underground drainage and sewerage networks under pressure – Part 4: Lining with cured-in-place pipes (ISO 11297-4:2018)
- EN ISO 11298-2:2018
Plastics piping systems for renovation of underground water supply networks – Part 2: Lining with continuous pipes (ISO 11298-2:2018)

Međunarodna normizacija ISO

- ISO 11296-1:2018
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 1: General
- ISO 11297-1:2018
Plastics piping systems for renovation of underground drainage and sewerage networks under pressure – Part 1: General
- ISO 11298-1:2018
Plastics piping systems for renovation of underground water supply networks – Part 1: General

23.040.45 Plastične spojnice

Europska normizacija CEN

- EN ISO 11296-2:2018
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 2: Lining with continuous pipes (ISO 11296-2:2018)
- EN ISO 11296-4:2018
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 4: Lining with cured-in-place pipes (ISO 11296-4:2018)
- EN ISO 11297-2:2018
Plastics piping systems for renovation of underground drainage and sewerage networks under pressure – Part 2: Lining with continuous pipes (ISO 11297-2:2018)
- EN ISO 11297-4:2018
Plastics piping systems for renovation of underground drainage and sewerage networks under pressure – Part 4: Lining with cured-in-place pipes (ISO 11297-4:2018)
- EN ISO 11298-2:2018
Plastics piping systems for renovation of underground water supply networks – Part 2: Lining with continuous pipes (ISO 11298-2:2018)

Međunarodna normizacija ISO

- ISO 11296-1:2018
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 1: General
- ISO 11297-1:2018
Plastics piping systems for renovation of underground drainage and sewerage networks under pressure – Part 1: General
- ISO 11298-1:2018
Plastics piping systems for renovation of underground water supply networks – Part 1: General

23.040.70 Crijeva i crijevni sklopovi

Europska normizacija CEN

- EN ISO 10619-1:2018
Rubber and plastics hoses and tubing – Measurement of flexibility and stiffness – Part 1: Bending tests at ambient temperature (ISO 10619-1:2017)
- EN ISO 28017:2018
Rubber hoses and hose assemblies, wire or textile reinforced, for dredging applications – Specification (ISO 28017:2018)

23.060.01 Zaporni uređaji općenito

Europska normizacija CEN

- EN 736-1:2018
Valves – Terminology – Part 1: Definition of types of valves

23.100.20 Cilindri

Europska normizacija CEN

- EN 12999+A2:2018
Cranes – Loader cranes
- EN 13001-3-6:2018
Cranes – General design – Part 3-6: Limit states and proof of competence of machinery – Hydraulic cylinders

23.100.40 Cijevovodi i spojnice

Međunarodna normizacija ISO

- ISO 6162-2:2018
Hydraulic fluid power – Flange connections with split or one-piece flange clamps and metric or inch screws – Part 2: Flange connectors, ports and mounting surfaces for use at a pressure of 42 MPa (420 bar), DN 13 to DN 76

25.120.10 Oprema za kovanje. Preše. Škare

Europska normizacija CEN

- EN ISO 16092-3:2018
Machine tools safety – Presses – Part 3: Safety requirements for hydraulic presses (ISO 16092-3:2017)

25.140.01 Ručni alati općenito

Međunarodna normizacija ISO

- ISO 1703:2018
Assembly tools for screws and nuts – Nomenclature

25.160.01 Zavarivanje, meko i tvrdo lemljenje općenito

Međunarodna normizacija ISO

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

25.160.30 Oprema za zavarivanje

Europska normizacija CENELEC

EN IEC 62822-3:2018
Electric welding equipment – Assessment of restrictions related to human exposure to electromagnetic fields (0 Hz to 300 Hz) – Part 3: Resistance welding equipment (IEC 62822-3:2017)

25.160.40 Zavareni spojevi i zavari

Europska normizacija CEN

EN ISO 11666:2018
Non-destructive testing of welds – Ultrasonic testing – Acceptance levels (ISO 11666:2018)

25.180.10 Električne peći

Europska normizacija CENELEC

EN IEC 60519-12:2018
Safety in installations for electroheating and electromagnetic processing – Part 12: Particular requirements for infrared electroheating (IEC 60519-12:2016)

25.200 Toplinska obradba

Međunarodna normizacija ISO

ISO 4885:2018
Ferrous materials – Heat treatments – Vocabulary

25.220.20 Površinska obrada

Europska normizacija CEN

EN ISO 7599:2018
Anodizing of aluminium and its alloys – Method for specifying decorative and protective anodic oxidation coatings on aluminium (ISO 7599:2018)

Međunarodna normizacija ISO

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 10215:2018
Anodizing of aluminium and its alloys – Visual determination of image clarity of anodic oxidation coatings – Chart scale method

25.220.40 Metalne prevlake

Europska normizacija CEN

EN ISO 2819:2018
Metallic coatings on metallic substrates – Electrodeposited and chemically deposited coatings – Review of methods available for testing adhesion (ISO 2819:2017)

Međunarodna normizacija ISO

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

27.010 Tehnika prijenosa energije i topline općenito

Međunarodna normizacija IEC

IEC 62933-1:2018
Electrical energy storage (EES) systems – Part 1: Vocabulary

27.120.10 Reaktorska tehnika

Međunarodna normizacija ISO

ISO 18229:2018
Essential technical requirements for mechanical components and metallic structures foreseen for Generation IV nuclear reactors

27.120.30 Fisijski materijali i tehnologija nuklearnog goriva

Međunarodna normizacija ISO

ISO 1709:2018
Nuclear energy – Fissile materials – Principles of criticality safety in storing, handling and processing

27.190 Biološki izvori i alternativni izvori energije

Međunarodna normizacija ISO

ISO 20675:2018
Biogas – Biogas production, conditioning, upgrading and utilization – Terms, definitions and classification scheme

29.035.01 Izolacijski materijali općenito

Međunarodna normizacija IEC

IEC 62631-2-1:2018
Dielectric and resistive properties of solid insulating materials – Part 2-1: Relative permittivity and dissipation factor – Technical frequencies (0,1 Hz to 10 MHz) – AC methods

29.040.10 Izolacijska ulja

Međunarodna normizacija IEC

IEC/TR 62697-2:2018
Test methods for quantitative determination of corrosive sulfur compounds in unused and used insulating liquids – Part 2: Test method for quantitative determination of total corrosive sulfur (TCS)

IEC/TR 62697-3:2018

Test methods for quantitative determination of corrosive sulfur compounds in unused and used insulating liquids – Part 3: Test method for quantitative determination of elemental sulfur

29.060.10 Žice

Međunarodna normizacija
IEC

IEC 60317-73:2018

Specifications for particular types of winding wires – Part 73: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular aluminium wire, class 200

IEC 60317-74:2018

Specifications for particular types of winding wires – Part 74: Polyesterimide enamelled rectangular aluminium wire, class 180

29.120.30 Utikači, utičnice, sprežnici

Međunarodna normizacija
IEC

IEC 60320-2-1:2018

Appliance couplers for household and similar general purposes – Part 2-1: Sewing machine couplers

29.120.40 Sklopke

Europska normizacija
CENELEC

EN 60669-1:2018

Switches for household and similar fixed electrical installations – Part 1: General requirements (IEC 60669-1:2017, modified)

Međunarodna normizacija
IEC

IEC 62246-1-1:2018

Reed switches – Part 1-1: Generic specification – Blank detail specification

29.120.50 Osigurači i ostale naprave za nadstrujnu zaštitu

Europska normizacija
CENELEC

EN IEC 60099-8:2018

Surge arresters – Part 8: Metal-oxide surge arresters with external series gap (EGLA) for overhead transmission and distribution lines of a.c. systems above 1 kV (IEC 60099-8:2017)

29.120.70 Sklopnici (releji)

Međunarodna normizacija
IEC

IEC 61810-1 Corrigendum 2:2018

Electromechanical elementary relays – Part 1: General and safety requirements; Corrigendum 2

IEC 62246-1-1:2018

Reed switches – Part 1-1: Generic specification – Blank detail specification

29.130.10 Visokonaponski rasklopni i upravljački uređaji

Međunarodna normizacija
IEC

IEC 62271-110 Corrigendum 2:2018

High-voltage switchgear and controlgear – Part 110: Inductive load switching; Corrigendum 2

29.140.30 Fluorescentne svjetiljke. Svjetiljke s izbojem

Europska normizacija
CENELEC

EN IEC 62386-332:2018

Digital addressable lighting interface – Part 332: Particular requirements – Input devices – Feedback (IEC 62386-332:2017)

EN IEC 62554:2011/A1:2018

Sample preparation for measurement of mercury level in fluorescent lamps (IEC 62554:2011/A1:2017)

29.140.40 Rasvjetna tijela

Europska normizacija
CENELEC

EN 60598-1:2015/A1:2018

Luminaires – Part 1: General requirements and tests (IEC 60598-1:2014/A1:2017)

29.140.99 Ostale norme koje se odnose na svjetiljke

Međunarodna normizacija
IEC

IEC 61347-2-14:2018

Lamp controlgear – Part 2-14: Particular requirements for DC and/or AC supplied electronic controlgear for fluorescent induction lamps

29.180 Transformatori. Prigušnice

Međunarodna normizacija
ISO

ISO 18095:2018

Condition monitoring and diagnostics of power transformers

IEC

IEC 60310 Corrigendum 1:2018

Railway applications – Traction transformers and inductors on board rolling stock; Corrigendum 1

29.200 Ispravljači. Pretvarači. Stabilizirano napajanje

Međunarodna normizacija
IEC

IEC 62684:2018

Interoperability specifications of common external power supplies (EPS) for use with data-enabled mobile telephones

29.280 Oprema za električnu vuču

Međunarodna normizacija
IEC

IEC 62236-1:2018

Railway applications – Electromagnetic compatibility – Part 1: General

IEC 62236-2:2018
Railway applications – Electromagnetic compatibility – Part 2:
Emission of the whole railway system to the outside world

IEC 62236-3-1:2018
Railway applications – Electromagnetic compatibility
– Part 3-1: Rolling stock – Train and complete vehicle

IEC 62236-3-2:2018
Railway applications – Electromagnetic compatibility
– Part 3-2: Rolling stock – Apparatus

IEC 62236-5:2018
Railway applications – Electromagnetic compatibility
– Part 5: Emission and immunity of fixed power supply
installations and apparatus

31.060.99 Ostali kondenzatori

Međunarodna normizacija IEC

IEC 62576:2018
Electric double-layer capacitors for use in hybrid electric
vehicles – Test methods for electrical characteristics

31.080.01 Poluvodičke naprave općenito

Europska normizacija CENELEC

EN IEC 62969-1:2018
Semiconductor devices – Semiconductor interface for
automotive vehicles – Part 1: General requirements of power
interface for automotive vehicle sensors (IEC 62969-1:2017)

Međunarodna normizacija IEC

IEC 60749-13:2018
Semiconductor devices – Mechanical and climatic test
methods – Part 13: Salt atmosphere

31.120 Elektronički uređaji za prikazivanje

Međunarodna normizacija IEC

IEC 61747-40-5:2018
Liquid crystal display devices – Part 40-5: Mechanical testing
of display cover glass for mobile devices – Strength against
dynamic impact by a sharp object with the specimen rigidly
supported

IEC 61747-40-6:2018
Liquid crystal display devices – Part 40-6: Mechanical testing
of display cover glass for mobile devices – Retained biaxial
flexural strength (abraded ring-on-ring)

IEC 62595-2-2:2018
Display lighting unit – Part 2-2: Measuring methods of LED
light bars used in LCD BLUs

IEC 62595-2-3:2018
Display lighting unit – Part 2-3: Electro-optical measuring
methods for LED frontlight unit

31.260 Optoelektronika. Laserska oprema

Međunarodna normizacija IEC

IEC 62595-2-2:2018
Display lighting unit – Part 2-2: Measuring methods of LED
light bars used in LCD BLUs

IEC 62595-2-3:2018
Display lighting unit – Part 2-3: Electro-optical measuring
methods for LED frontlight unit

33.060.40 Kabelski distribucijski sustavi

Europska normizacija CENELEC

EN IEC 60728-3:2018
Cable networks for television signals, sound signals and
interactive services – Part 3: Active wideband equipment for
cable networks (IEC 60728-3:2017)

33.070.50 Globalni sustavi za pokretne komunikacije (GSM)

Međunarodna normizacija IEC

IEC 62684:2018
Interoperability specifications of common external power
supplies (EPS) for use with data-enabled mobile telephones

33.100.01 Elektromagnetska kompatibilnost općenito

Međunarodna normizacija IEC

IEC 62236-1:2018
Railway applications – Electromagnetic compatibility
– Part 1: General

IEC 62236-2:2018
Railway applications – Electromagnetic compatibility – Part 2:
Emission of the whole railway system to the outside world

IEC 62236-3-1:2018
Railway applications – Electromagnetic compatibility
– Part 3-1: Rolling stock – Train and complete vehicle

IEC 62236-3-2:2018
Railway applications – Electromagnetic compatibility
– Part 3-2: Rolling stock – Apparatus

IEC 62236-4:2018
Railway applications – Electromagnetic compatibility
– Part 4: Emission and immunity of the signalling and
telecommunications apparatus

IEC 62236-5:2018
Railway applications – Electromagnetic compatibility
– Part 5: Emission and immunity of fixed power supply
installations and apparatus

33.100.10 Zračenje

Međunarodna normizacija IEC

IEC 61000-6-4:2018
Electromagnetic compatibility (EMC) – Part 6-4: Generic
standards – Emission standard for industrial environments

33.170 Televizijski i radijski prijenos

Europska normizacija CENELEC

EN IEC 60728-3:2018
Cable networks for television signals, sound signals and
interactive services – Part 3: Active wideband equipment for
cable networks (IEC 60728-3:2017)

33.180.01 Svjetlovodni sustavi općenito

Europska normizacija CENELEC

EN IEC 62148-1:2018
Fibre optic active components and devices – Package
and interface standards – Part 1: General and guidance
(IEC 62148-1:2017)

33.180.10 Svjetlovodna vlakna i kabeli

Europska normizacija CENELEC

- EN IEC 60793-1-45:2018
Optical fibres – Part 1-45: Measurement methods and test procedures – Mode field diameter (IEC 60793-1-45:2017)
- EN IEC 60793-1-47:2018
Optical fibres – Part 1-47: Measurement methods and test procedures – Macrobending loss (IEC 60793-1-47:2017)

33.180.30 Optička pojačala

Međunarodna normizacija IEC

- IEC 61291-1:2018
Optical amplifiers – Part 1: Generic specification

35.020 Informacijska tehnologija (IT) općenito

Međunarodna normizacija ISO

- ISO/IEC TR 20547-5:2018
Information technology – Big data reference architecture – Part 5: Standards roadmap
- ISO/IEC TR 21565:2018
Information technology – Office equipment – Viewing environment guideline for office equipment

35.030 Informatička sigurnost

Međunarodna normizacija ISO

- ISO/IEC 19896-1:2018
IT security techniques – Competence requirements for information security testers and evaluators – Part 1: Introduction, concepts and general requirements
- ISO/IEC 20243-1:2018
Information technology – Open Trusted Technology Provider™ Standard (O-TTPS) – Mitigating maliciously tainted and counterfeit products – Part 1: Requirements and recommendations
- ISO/IEC 27000:2018
Information technology – Security techniques – Information security management systems – Overview and vocabulary
- ISO/IEC TR 27103:2018
Information technology – Security techniques – Cybersecurity and ISO and IEC Standards

35.040.40 Kodiranje audioinformacija, videoinformacija, multimedijskih i hipermedijskih informacija

Međunarodna normizacija ISO

- ISO/IEC 13818-1:2018
Information technology – Generic coding of moving pictures and associated audio information – Part 1: Systems
- ISO/IEC 14496-12 AMD 2:2018
Information technology – Coding of audio-visual objects – Part 12: ISO base media file format – Amendment 2: Support for image file format
- ISO/IEC 14496-15 AMD 1:2018
Information technology – Coding of audio-visual objects – Part 15: Carriage of network abstraction layer (NAL) unit structured video in the ISO base media file format – Amendment 1: Handling of unspecified NAL unit types and other improvements

- ISO/IEC 15938-14:2018
Information technology – Multimedia content description interface – Part 14: Reference software, conformance and usage guidelines for compact descriptors for visual search

- ISO/IEC 23008-2 AMD 2:2018
Information technology – High efficiency coding and media delivery in heterogeneous environments – Part 2: High efficiency video coding – Amendment 2: Main 10 still picture profile

35.040.50 Tehnike automatskog prepoznavanja i preuzimanja podataka

Međunarodna normizacija ISO

- ISO/IEC 21277:2018
Information technology – Radio frequency identification device performance test methods – Crypto suite

35.080 Softver (programaska podrška)

Europska normizacija CEN

- EN 9223-100:2018
Programme Management – Configuration Management – Part 100: A guide for the application of the principles of configuration management
- EN 9223-101:2018
Programme Management – Configuration Management – Part 101: Configuration identification
- EN 9223-102:2018
Programme Management – Configuration Management – Part 102: Configuration status accounting
- EN 9223-103:2018
Programme Management – Configuration Management – Part 103: Configuration Verifications, Reviews and Audits
- EN 9223-104:2018
Programme Management – Configuration Management – Part 104: Configuration Control
- EN 9223-105:2018
Programme Management – Configuration Management – Part 105: Glossary

35.110 Umrežavanje

Europska normizacija CENELEC

- EN IEC 62056-6-2:2018
Electricity metering data exchange – The DLMS/COSEM suite – Part 6-2: COSEM interface classes (IEC 62056-6-2:2017)

Međunarodna normizacija ISO

- ISO/IEC/IEEE 8802-15-4:2018
Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 15-4: Wireless medium access control (MAC) and physical layer (PHY) specifications for low-rate wireless personal area networks (WPANs)
- ISO/IEC 30140-1:2018
Information technology – Underwater acoustic sensor network (UWASN) – Part 1: Overview and requirements

35.200 Sučelna i spojna oprema

Međunarodna normizacija ISO

ISO/IEC TR 11801-9905:2018
Information technology – Generic cabling systems for customer premises – Part 9905: Guidelines for the use of installed cabling to support 25GBASE-T application

ISO/IEC 14763-4:2018
Information technology – Implementation and operation of customer premises cabling – Part 4: Measurement of end-to-end (E2E)-Links

35.220.30 Optičke naprave za pohranu podataka

Međunarodna normizacija IEC

IEC 62702-1-1 Corrigendum 1:2018
Audio archive system – Part 1-1: DVD disk and data migration for long term audio data storage; Corrigendum 1

35.240.01 Primjene informacijske tehnologije općenito

Europska normizacija CENELEC

EN IEC 62919:2018
Content management – Monitoring and management of personal digital content (IEC 62919:2017)

35.240.15 Identifikacijske kartice i pripadajuće naprave

Međunarodna normizacija ISO

ISO/IEC 19794-13:2018
Information technology – Biometric data interchange formats – Part 13: Voice data

35.240.20 Primjene informacijske tehnologije u uredskom poslovanju

Europska normizacija CEN

CEN/TR 17014-101:2018
Electronic public procurement – Business interoperability interfaces (BII), e-Tendering – Part 101: Overview

CEN/TR 17015-101:2018
Electronic public procurement – Business interoperability interfaces (BII), e-Catalogue – Part 101: Overview

35.240.30 Primjene informacijske tehnologije u obavješćivanju, dokumentaciji i izdavaštvu

Europska normizacija CENELEC

EN 63029:2017/AC:2018
Audio, video and multimedia systems and equipment – Multimedia e-publishing and e-book technologies – Raster-graphics image-based e-books (IEC 63029:2017/COR1:2018)

35.240.63 Primjene informacijske tehnologije u trgovini

Europska normizacija CEN

CEN/TR 17014-101:2018
Electronic public procurement – Business interoperability interfaces (BII), e-Tendering – Part 101: Overview

CEN/TR 17015-101:2018
Electronic public procurement – Business interoperability interfaces (BII), e-Catalogue – Part 101: Overview

35.240.70 Primjene informacijske tehnologije u znanosti

Europska normizacija CEN

EN ISO 19115-1:2014/A1:2018-02
Geographic information – Metadata – Part 1: Fundamentals – Amendment 1 (ISO 19115-1:2014/Amd 1:2018)

Međunarodna normizacija ISO

ISO 19115-1 AMD 1:2018
Geographic information – Metadata – Part 1: Fundamentals; Amendment 1

35.240.80 Primjene informacijske tehnologije u tehnologiji zaštite zdravlja

Međunarodna normizacija ISO

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

35.240.99 Primjene IT-a u ostalim područjima

Europska normizacija CENELEC

EN IEC 62386-332:2018
Digital addressable lighting interface – Part 332: Particular requirements – Input devices – Feedback (IEC 62386-332:2017)

Međunarodna normizacija ISO

ISO 14223-3:2018
Radiofrequency identification of animals – Advanced transponders – Part 3: Applications

37.060.10 Filmska oprema

Međunarodna normizacija ISO

ISO 2910:2018
Cinematography – Screen luminance and chrominance for the projection of film motion pictures

37.060.20 Kinematografski filmovi. Kazete

Međunarodna normizacija ISO

ISO 17266:2018
Cinematography – Multichannel analogue and digital photographic sound and control records on 35 mm motion-picture prints and negatives, and digital sound-control records on 70 mm motion-picture prints and negatives – Position and width dimensions

39.060 Nakit

Međunarodna normizacija ISO

ISO 8654:2018
Jewellery – Colours of gold alloys – Definition, range of colours and designation

43.020 Cestovna vozila općenito

Međunarodna normizacija ISO

ISO 12214:2018
Road vehicles – Direction-of-motion stereotypes for automotive hand controls

43.040.10 Električna i elektronička oprema

Europska normizacija CENELEC

EN IEC 62969-1:2018
Semiconductor devices – Semiconductor interface for automotive vehicles – Part 1: General requirements of power interface for automotive vehicle sensors (IEC 62969-1:2017)

43.040.15 Informatika vozila. Računalni sustavi u vozilu

Europska normizacija CEN

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)

43.040.20 Uređaji za osvjetljivanje, svjetlosnu signalizaciju i upozoravanje

Europska normizacija CENELEC

EN IEC 60809:2015/A2:2018
Lamps for road vehicles – Dimensional, electrical and luminous requirements (IEC 60809:2014/A2:2017)

EN IEC 60810:2018
Lamps, light sources and led packages for road vehicles – Performance requirements (IEC 60810:2017)

43.120 Električna cestovna vozila

Međunarodna normizacija ISO

ISO 15118-8:2018
Road vehicles – Vehicle to grid communication interface – Part 8: Physical layer and data link layer requirements for wireless communication

IEC

IEC 62576:2018
Electric double-layer capacitors for use in hybrid electric vehicles – Test methods for electrical characteristics

43.180 Oprema za dijagnostiku, održavanje i ispitivanje

Europska normizacija CEN

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)

45.020 Željeznička tehnika općenito

Međunarodna normizacija IEC

IEC 62236-1:2018
Railway applications – Electromagnetic compatibility – Part 1: General

IEC 62236-2:2018
Railway applications – Electromagnetic compatibility – Part 2: Emission of the whole railway system to the outside world

IEC 62236-3-1:2018
Railway applications – Electromagnetic compatibility – Part 3-1: Rolling stock – Train and complete vehicle

IEC 62236-3-2:2018
Railway applications – Electromagnetic compatibility – Part 3-2: Rolling stock – Apparatus

IEC 62236-4:2018
Railway applications – Electromagnetic compatibility – Part 4: Emission and immunity of the signalling and telecommunications apparatus

IEC 62236-5:2018
Railway applications – Electromagnetic compatibility – Part 5: Emission and immunity of fixed power supply installations and apparatus

45.060.10 Vučna vozila

Međunarodna normizacija IEC

IEC 60310 Corrigendum 1:2018
Railway applications – Traction transformers and inductors on board rolling stock; Corrigendum 1

47.020.20 Brodski motori i propulzijski sustavi

Međunarodna normizacija ISO

ISO 20233-1:2018
Ships and marine technology – Model test method for propeller cavitation noise evaluation in ship design – Part 1: Source level estimation

47.080 Mala plovila

Europska normizacija CEN

EN ISO 8099-1:2018
Small craft – Waste systems – Part 1: Waste water retention (ISO 8099-1:2018)

49.020 Zrakoplovi i svemirska vozila općenito

Europska normizacija CEN

- EN 9223-100:2018
Programme Management – Configuration Management – Part 100: A guide for the application of the principles of configuration management
- EN 9223-101:2018
Programme Management – Configuration Management – Part 101: Configuration identification
- EN 9223-102:2018
Programme Management – Configuration Management – Part 102: Configuration status accounting
- EN 9223-103:2018
Programme Management – Configuration Management – Part 103: Configuration Verifications, Reviews and Audits
- EN 9223-104:2018
Programme Management – Configuration Management – Part 104: Configuration Control
- EN 9223-105:2018
Programme Management – Configuration Management – Part 105: Glossary

49.025.40 Guma i plastika

Europska normizacija CEN

- EN 2795:2018
Aerospace series – Fluorocarbon rubber (FKM) – Low compressions set – Hardness 50 IRHD

49.100 Zemaljska služba i oprema za održavanje

Međunarodna normizacija ISO

- ISO 1464:2018
Aerospace – Tripod jacks – Clearance dimensions
- ISO 11532:2018
Aircraft ground equipment – Graphical symbols

49.140 Svemirski sustavi i operacije

Međunarodna normizacija ISO

- ISO 23038:2018
Space systems – Space solar cells – Electron and proton irradiation test methods

53.020.20 Dizalice

Europska normizacija CEN

- EN 12999+A2:2018
Cranes – Loader cranes
- EN 13001-3-6:2018
Cranes – General design – Part 3-6: Limit states and proof of competence of machinery – Hydraulic cylinders

59.080.01 Tekstili općenito

Europska normizacija CEN

- EN ISO 15797:2018
Textiles – Industrial washing and finishing procedures for testing of workwear (ISO 15797:2017)

59.080.30 Tekstilni proizvodi

Europska normizacija CEN

- EN ISO 12138:2018
Textiles – Domestic laundering procedures for textile fabrics prior to flammability testing (ISO 12138:2017)

59.140.30 Koža i krzno

Europska normizacija CEN

- EN ISO 20701:2018
Leather – Tests for colour fastness – Colour fastness to saliva (ISO 20701:2017)

Međunarodna normizacija ISO

- ISO 4098:2018
Leather – Chemical tests – Determination of water-soluble matter, water-soluble inorganic matter and water-soluble organic matter

61.060 Obuća

Međunarodna normizacija ISO

- ISO 18454:2018
Footwear – Standard atmospheres for conditioning and testing of footwear and components for footwear

65.020.30 Stočarstvo i uzgoj

Međunarodna normizacija ISO

- ISO 14223-3:2018
Radiofrequency identification of animals – Advanced transponders – Part 3: Applications

IEC

- IEC 60335-2-87 AMD 1:2018
Household and similar electrical appliances – Safety – Part 2-87: Particular requirements for electrical animal stunning equipment
- IEC 60335-2-87 Edition 3.1:2018
Household and similar electrical appliances – Safety – Part 2-87: Particular requirements for electrical animal stunning equipment

65.060.10 Poljoprivredni traktori i priključna vozila

Međunarodna normizacija ISO

- ISO 789-1:2018
Agricultural tractors – Test procedures – Part 1: Power tests for power take-off
- ISO 789-2:2018
Agricultural tractors – Test procedures – Part 2: Rear three-point linkage lifting capacity

ISO 789-9:2018
Agricultural tractors – Test procedures – Part 9: Power tests for drawbar

ISO 789-13:2018
Agricultural tractors – Test procedures – Part 13: Vocabulary and specimen test report

65.060.20 Oprema za obradu zemlje

Međunarodna normizacija
ISO

ISO 4254-5:2018
Agricultural machinery – Safety – Part 5: Power-driven soil-working machines

65.060.80 Oprema za šumarstvo

Međunarodna normizacija
ISO

ISO 13772:2018
Forestry machinery – Portable chain-saws – Non-manually actuated chain brake performance

65.060.99 Ostali poljoprivredni strojevi i oprema

Međunarodna normizacija
IEC

IEC 60335-2-87 AMD 1:2018
Household and similar electrical appliances – Safety – Part 2-87: Particular requirements for electrical animal stunning equipment

65.120 Hrana za životinje

Europska normizacija
CEN

EN 17049:2018
Animal feeding stuffs: Methods of sampling and analysis – Identification of tylosin, spiramycin, virginiamycin, carbadox and olaquinox at sub-additive levels in compound feed – Confirmatory analysis by LC-MS

67.060 Žitarice, mahunarke i proizvodi od žitarica i mahunarka

Europska normizacija
CEN

EN ISO 11747:2012/A1:2018
Rice – Determination of rice kernel resistance to extrusion after cooking – Amendment 1 (ISO 11747:2012/Amd 1:2017)

67.100.99 Ostali mliječni proizvodi

Međunarodna normizacija
ISO

ISO 19660:2018
Cream – Determination of fat content – Acido-butyrometric method

67.250 Materijali i predmeti u dodiru s hranom

Međunarodna normizacija
ISO

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

71.040.40 Kemijska analiza

Međunarodna normizacija
ISO

ISO/TR 19693:2018
Surface chemical analysis – Characterization of functional glass substrates for biosensing applications

71.100.10 Materijali za proizvodnju aluminija

Međunarodna normizacija
ISO

ISO 12984:2018
Carbonaceous materials used in the production of aluminium – Calced coke – Determination of particle size distribution

71.100.20 Plinovi za industrijsku primjenu

Međunarodna normizacija
ISO

ISO 8573-2:2018
Compressed air – Contaminant measurement – Part 2: Oil aerosol content

ISO 10298:2018
Gas cylinders – Gases and gas mixtures – Determination of toxicity for the selection of cylinder valve outlets

71.100.70 Kozmetika. Toaletne potrepštine

Međunarodna normizacija
ISO

ISO/TR 18811:2018
Cosmetics – Guidelines on the stability testing of cosmetic products

73.060.99 Ostale rude crnih metala

Međunarodna normizacija
ISO

ISO 10258:2018
Copper sulfide concentrates – Determination of copper content – Titrimetric methods

75.020 Crpenje i obrada nafte i prirodnoga plina

Međunarodna normizacija
ISO

ISO 20675:2018
Biogas – Biogas production, conditioning, upgrading and utilization – Terms, definitions and classification scheme

75.080 Naftni proizvodi općenito

Međunarodna normizacija
ISO

ISO/TR 19441:2018
Petroleum products – Density versus temperature relationships of current fuels, biofuels and biofuel components

75.160.10 Kruta goriva

Međunarodna normizacija
ISO

ISO 18894:2018
Coke – Determination of coke reactivity index (CRI) and coke strength after reaction (CSR)

77.040.10 Mehaničko ispitivanje metala

Europska normizacija CEN

- EN ISO 4545-1:2018
Metallic materials – Knoop hardness test – Part 1: Test method (ISO 4545-1:2017)
- EN ISO 4545-2:2018
Metallic materials – Knoop hardness test – Part 2: Verification and calibration of testing machines (ISO 4545-2:2017)
- EN ISO 4545-3:2018
Metallic materials – Knoop hardness test – Part 3: Calibration of reference blocks (ISO 4545-3:2017)
- EN ISO 6507-1:2018
Metallic materials – Vickers hardness test – Part 1: Test method (ISO 6507-1:2018)
- EN ISO 6507-2:2018
Metallic materials – Vickers hardness test – Part 2: Verification and calibration of testing machines (ISO 6507-2:2018)
- EN ISO 6507-3:2018
Metallic materials – Vickers hardness test – Part 3: Calibration of reference blocks (ISO 6507-3:2018)
- EN ISO 26203-1:2018
Metallic materials – Tensile testing at high strain rates – Part 1: Elastic-bar-type systems (ISO 26203-1:2018)

Međunarodna normizacija ISO

- ISO 6507-4:2018
Metallic materials – Vickers hardness test – Part 4: Tables of hardness values
- 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

77.060 Korozija metala

Europska normizacija CEN

- EN ISO 11130:2018
Corrosion of metals and alloys – Alternate immersion test in salt solution (ISO 11130:2017)

Međunarodna normizacija ISO

- ISO 19097-1:2018
Accelerated life test method of mixed metal oxide anodes for cathodic protection – Part 1: Application in concrete
- ISO 19097-2:2018
Accelerated life test method of mixed metal oxide anodes for cathodic protection – Part 2: Application in soils and natural waters

77.080.10 Željezni lijevovi

Europska normizacija CEN

- EN ISO 945-1:2018
Microstructure of cast irons – Part 1: Graphite classification by visual analysis (ISO 945-1:2017)

77.140.01 Proizvodi od željeznog lijeva i čelika općenito

Međunarodna normizacija ISO

- ISO 4885:2018
Ferrous materials – Heat treatments – Vocabulary

79.040 Drvo, trupci i piljena građa

Međunarodna normizacija ISO

- ISO 19474:2018
Round timber – Visual characteristics – Methods of determination

81.060.30 Tehnička keramika

Međunarodna normizacija ISO

- ISO 20379:2018
Fine ceramics (advanced ceramics, advanced technical ceramics) – Measurement of thixotropic behaviour of ceramic slurry by use of a rotational viscometer

83.140.10 Filmovi i ploče

Europska normizacija CEN

- EN 13207:2018
Plastics – Thermoplastic silage films and tubes for use in agriculture
- EN 13655:2018
Plastics – Thermoplastic mulch films recoverable after use, for use in agriculture and horticulture

83.140.40 Crijeva

Međunarodna normizacija ISO

- ISO 28017:2018
Rubber hoses and hose assemblies, wire or textile reinforced, for dredging applications – Specification

83.180 Adhezivi

Europska normizacija CEN

- EN ISO 10364:2018
Structural adhesives – Determination of the pot life (working life) of multi-component adhesives (ISO 10364:2015)

87.020 Procesi premazivanja bojom

Europska normizacija CEN

- EN ISO 12944-6:2018
Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 6: Laboratory performance test methods (ISO 12944-6:2018)

Međunarodna normizacija ISO

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

87.040 Boje i lakovi

Europska normizacija CEN

- EN ISO 12944-9:2018
Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 9: Protective paint systems and laboratory performance test methods for offshore and related structures (ISO 12944-9:2018)

91.100.23 Keramičke pločice

Međunarodna normizacija ISO

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

91.100.50 Veziva. Materijali za brtvljenje

Europska normizacija CEN

- EN 12691:2018
Flexible sheets for waterproofing – Bitumen, plastic and rubber sheets for roof waterproofing – Determination of resistance to impact

91.120.10 Toplinska izolacija

Međunarodna normizacija ISO

- ISO 18523-2:2018
Energy performance of buildings – Schedule and condition of building, zone and space usage for energy calculation – Part 2: Residential buildings

91.140.40 Sustavi opskrbe plinom

Europska normizacija CEN

- EN 12480:2018
Gas meters – Rotary displacement gas meters

91.140.50 Sustavi opskrbe električnom energijom

Europska normizacija CENELEC

- EN IEC 62056-6-2:2018
Electricity metering data exchange – The DLMS/COSEM suite – Part 6-2: COSEM interface classes (IEC 62056-6-2:2017)

Međunarodna normizacija IEC

- IEC 60364-4-41 Edition 5.1 Corrigendum 1:2018
Low-voltage electrical installations – Part 4-41: Protection for safety – Protection against electric shock; Corrigendum 1

91.140.80 Odvodni sustavi

Europska normizacija CEN

- EN ISO 11296-2:2018
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 2: Lining with continuous pipes (ISO 11296-2:2018)

- EN ISO 11296-4:2018
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 4: Lining with cured-in-place pipes (ISO 11296-4:2018)

- EN ISO 11297-2:2018
Plastics piping systems for renovation of underground drainage and sewerage networks under pressure – Part 2: Lining with continuous pipes (ISO 11297-2:2018)

- EN ISO 11297-4:2018
Plastics piping systems for renovation of underground drainage and sewerage networks under pressure – Part 4: Lining with cured-in-place pipes (ISO 11297-4:2018)

Međunarodna normizacija ISO

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

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

91.220 Građevinska oprema

Europska normizacija CEN

- EN 16719:2018
Transport platforms

93.020 Zemljani radovi. Iskopavanja. Temeljenje. Podzemni radovi

Europska normizacija CEN

- EN ISO 14688-1:2018
Geotechnical investigation and testing – Identification and classification of soil – Part 1: Identification and description (ISO 14688-1:2017)

- EN ISO 14688-2:2018
Geotechnical investigation and testing – Identification and classification of soil – Part 2: Principles for a classification (ISO 14688-2:2017)

- EN ISO 14689:2018
Geotechnical investigation and testing – Identification, description and classification of rock (ISO 14689:2017)

- EN ISO 17892-7:2018
Geotechnical investigation and testing – Laboratory testing of soil – Part 7: Unconfined compression test (ISO 17892-7:2017)

Međunarodna normizacija ISO

- ISO 17892-8:2018
Geotechnical investigation and testing – Laboratory testing of soil – Part 8: Unconsolidated undrained triaxial test

- ISO 17892-9:2018
Geotechnical investigation and testing – Laboratory testing of soil – Part 9: Consolidated triaxial compression tests on water saturated soils

93.025 Vanjski vodovodni sustavi

Europska normizacija CEN

- EN ISO 11298-2:2018
Plastics piping systems for renovation of underground water supply networks – Part 2: Lining with continuous pipes (ISO 11298-2:2018)

Međunarodna normizacija ISO

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

93.030 Vanjski kanalizacijski sustavi

Europska normizacija CEN

- EN ISO 11296-2:2018
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 2: Lining with continuous pipes (ISO 11296-2:2018)
- EN ISO 11296-4:2018
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 4: Lining with cured-in-place pipes (ISO 11296-4:2018)
- EN ISO 11297-2:2018
Plastics piping systems for renovation of underground drainage and sewerage networks under pressure – Part 2: Lining with continuous pipes (ISO 11297-2:2018)
- EN ISO 11297-4:2018
Plastics piping systems for renovation of underground drainage and sewerage networks under pressure – Part 4: Lining with cured-in-place pipes (ISO 11297-4:2018)

Međunarodna normizacija ISO

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

93.100 Gradnja željezničkih pruga

Međunarodna normizacija IEC

- IEC 62236-4:2018
Railway applications – Electromagnetic compatibility – Part 4: Emission and immunity of the signalling and telecommunications apparatus

97.040.40 Strojevi za pranje posuđa

Međunarodna normizacija IEC

- IEC 60335-2-5 AMD 1:2018
Household and similar electrical appliances – Safety – Part 2-5: Particular requirements for dishwashers; Amendment 1
- IEC 60335-2-5 Edition 6.1:2018
Household and similar electrical appliances – Safety – Part 2-5: Particular requirements for dishwashers

97.040.60 Pribor za kuhanje, pribor za jelo i tanjuri

Međunarodna normizacija ISO

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

97.120 Automatsko upravljanje za kućansku upotrebu

Međunarodna normizacija IEC

- IEC 60730-2-13 Corrigendum 1:2018
Automatic electrical controls – Part 2-13: Particular requirements for humidity sensing controls; Corrigendum 1
- IEC 62820-3-2:2018
Building intercom systems – Part 3-2: Application guidelines – Advanced security building intercom systems (ASBIS)

97.150 Netekstilni podni prekrivači

Međunarodna normizacija ISO

- ISO 19322:2018
Resilient floor coverings – Specification for floor coverings based on thermoplastic polymers

97.170 Oprema za njegu tijela

Europska normizacija CEN

- EN ISO 20126:2012/A1:2018
Dentistry – Manual toothbrushes – General requirements and test methods – Amendment 1 (ISO 20126:2012/Amd 1:2018)

97.200.30 Oprema za kampiranje i kampove

Europska normizacija CEN

- EN ISO 23537-1:2016/A1:2018
Requirements for sleeping bags – Part 1: Thermal and dimensional requirements – Amendment 1 (ISO 23537-1:2016/Amd 1:2018)

97.200.50 Igračke

Europska normizacija CEN

- EN 71-7+A2:2018
Safety of toys – Part 7: Finger paints – Requirements and test methods