

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

**4/2010** kolovoz, 2010.

Oglasnik za normativne dokumente Hrvatskog zavoda za norme sadrži popise hrvatskih norma, nacrt 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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4.1	Cjenik hrvatskih norma	
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# Rezultati hrvatske normizacije

## 1.1 Hrvatske norme

Temeljem Zakona o normizaciji (Narodne novine 163/03) 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.

### HZNTO 5, *Metalne cijevi i priključci*

- HRN EN 545:2010 en pr  
Duktilne željezne cijevi, spojni dijelovi, pribor i njihovi spojevi za cjevovode za vodu – Zahtjevi i metode ispitivanja (EN 545:2010)  
Ductile iron pipes, fittings, accessories and their joints for water pipelines – Requirements and test methods (EN 545:2010)

### HZNTO 6, *Papir, karton i pulpe*

- HRN EN ISO 287:2010 en pr  
Papir i karton – Određivanje sadržaja vlage jedne pošiljke – Metoda sušenja u sušioniku (ISO 287:2009; EN ISO 287:2009)  
Paper and board – Determination of moisture content of a lot – Oven-drying method (ISO 287:2009; EN ISO 287:2009)
- HRN EN 1230-1:2010 en pr  
Papir i karton koji dolaze u dodir s prehrambenim proizvodima – Senzorska analiza – 1. dio: Neugodan miris (EN 1230-1:2009)  
Paper and board intended to come into contact with foodstuffs – Sensory analysis – Part 1: Odour (EN 1230-1:2009)
- HRN EN 1230-2:2010 en pr  
Papir i karton koji dolaze u dodir s prehrambenim proizvodima – Senzorska analiza – 2. dio: Promjena okusa (kvarenje) (EN 1230-2:2009)  
Paper and board intended to come into contact with foodstuffs – Sensory analysis – Part 2: Off-flavour (taint) (EN 1230-2:2009)
- HRN EN ISO 12625-12:2010 en pr  
Tanki upijajući papir i proizvodi od tankoga upijajućeg papira – 12. dio: Određivanje prekidne čvrstoće na perforaciji – Izračun učinkovitosti perforacije (ISO 12625-12:2010; EN ISO 12625-12:2010)  
Tissue paper and tissue products – Part 12: Determination of tensile strength of perforated lines – Calculation of perforation efficiency (ISO 12625-12:2010; EN ISO 12625-12:2010)
- HRN EN 15845:2010 en pr  
Papir i karton – Određivanje citotoksičnosti u vodenome ekstraktu (EN 15845:2010)  
Paper and board – Determination of the cytotoxicity of aqueous extracts (EN 15845:2010)

### HZNTO 28, *Naftni proizvodi i maziva*

- HRN EN 228:2010 hr pp/na  
Goriva za motorna vozila – Bezolovni motorni benzin – Zahtjevi i metode ispitivanja (EN 228:2008)  
Automotive fuels – Unleaded petrol – Requirements and test methods (EN 228:2008)
- HRN EN ISO 3924:2010 en pr  
Naftni proizvodi – Određivanje područja destilacije – Metoda plinske kromatografije (ISO 3924:2010; EN ISO 3924:2010)  
Petroleum products – Determination of boiling range distribution – Gas chromatography method (ISO 3924:2010; EN ISO 3924:2010)
- HRN EN 14078:2010 en pr  
Tekući naftni proizvodi – Određivanje količine metilnih estera masnih kiselina (FAME) u srednjim destilatima – Metoda infracrvene spektrometrije (EN 14078:2009)

Liquid petroleum products – Determination of fatty methyl ester (FAME) content in middle distillates – Infrared spectrometry method (EN 14078:2009)

- HRN EN 15779:2010 en pr  
Naftni proizvodi i derivati masti i ulja – Metilni esteri masnih kiselina (FAME) za dizelske motore – Određivanje višestruko nezasićenih (=4 dvostrukih veza) metilnih estera masnih kiselina (PUFA) plinskom kromatografijom (EN 15779:2009)  
Petroleum products and fat and oil derivatives – Fatty acid methyl esters (FAME) for diesel engines – Determination of polyunsaturated (=4 double bonds) fatty acid methyl esters (PUFA) by gas chromatography (EN 15779:2009)
- HRN EN 15837:2010 en pr  
Etanol kao komponenta za namješavanje u benzin – Određivanje količine fosfora, bakra i sumpora – Izravna metoda ICP OES (induktivno spregnuta plazma i optička emisijska spektrometrija) (EN 15837:2009)  
Ethanol as a blending component for petrol – Determination of phosphorus, copper and sulfur content – Direct method by inductively coupled plasma optical emission spectrometry (ICP OES) (EN 15837:2009)
- HRI CEN/TR 15993:2010 en pr  
Goriva za motorna vozila – Etanol (E85) gorivo za motorna vozila – Osnova zahtijevanih veličina i njihove granične vrijednosti i određivanje (CEN/TR 15993:2010)  
Automotive fuels – Ethanol (E85) automotive fuel – Background to the parameters required and their respective limits and determination (CEN/TR 15993:2010)

### HZNTO 34/PO 8, *Poljoprivredni i prehrambeni proizvodi; Mikrobiologija*

- HRN EN 15890:2010 en pr  
Foodstuffs – Determination of patulin in fruit juice and fruit based purée for infants and young children – HPLC method with liquid/liquid partition cleanup and solid phase extraction and UV detection (EN 15890:2010)
- HRN EN 15891:2010 en pr  
Foodstuffs – Determination of deoxynivalenol in cereals, cereal products and cereal based foods for infants and young children – HPLC method with immunoaffinity column cleanup and UV detection (EN 15891:2010)

### HZNTO 34/PO 17, *Poljoprivredni i prehrambeni proizvodi; Sustavi upravljanja za sigurnost hrane*

- HRS ISO/TS 22002-1:2010 hr pp  
Preduvjetni programi za sigurnost hrane – 1. dio: Proizvodnja hrane (ISO/TS 22002-1:2009)  
Prerequisite programmes on food safety – Part 1: Food manufacturing (ISO/TS 22002-1:2009)

### HZNTO 43, *Akustika*

- HRN EN ISO 7779:2010 en pr  
Akustika – Mjerenje buke koju emitira informatička i telekomunikacijska oprema (ISO 7779:2010; EN ISO 7779:2010)  
Acoustics – Measurement of airborne noise emitted by information technology and telecommunications equipment (ISO 7779:2010; EN ISO 7779:2010)
- HRN EN ISO 10052:2006/A1:2010 en pr  
Akustika – Terenska mjerenja zračne i udarne zvučne izolacije i zvuka servisne opreme – Metoda pregleda – Amandman 1 (ISO 10052:2004/Amd 1:2010; EN ISO 10052:2004/A1:2010)  
Acoustics – Field measurements of airborne and impact sound insulation and of service equipment sound – Survey method – Amendment 1 (ISO 10052:2004/Amd 1:2010; EN ISO 10052:2004/A1:2010)
- HRN EN ISO 10140-1:2010 en pr  
Acoustics – Laboratory measurement of sound insulation of building elements – Part 1: Application rules for specific products (ISO 10140-1:2010; EN ISO 10140-1:2010)
- HRN EN ISO 10140-2:2010 en pr  
Acoustics – Laboratory measurement of sound insulation of building elements – Part 2: Measurement of airborne sound insulation (ISO 10140-2:2010; EN ISO 10140-2:2010)
- HRN EN ISO 10140-3:2010 en pr  
Acoustics – Laboratory measurement of sound insulation of building elements – Part 3: Measurement of impact sound insulation (ISO 10140-3:2010; EN ISO 10140-3:2010)

- HRN EN ISO 10140-4:2010 en pr  
Acoustics – Laboratory measurement of sound insulation of building elements – Part 4: Measurement procedures and requirements (ISO 10140-4:2010; EN ISO 10140-4:2010)
- HRN EN ISO 10140-5:2010 en pr  
Acoustics – Laboratory measurement of sound insulation of building elements – Part 5: Requirements for test facilities and equipment (ISO 10140-5:2010; EN ISO 10140-5:2010)
- HRN EN ISO 10848-4:2010 en pr  
Acoustics – Laboratory measurement of the flanking transmission of airborne and impact sound between adjoining rooms – Part 4: Application to junctions with at least one heavy element (ISO 10848-4:2010; EN ISO 10848-4:2010)
- HRN EN ISO 11201:2010 en pr  
Acoustics – Noise emitted by machinery and equipment – Determination of emission sound pressure levels at a work station and at other specified positions in an essentially free field over a reflecting plane with negligible environmental corrections (ISO 11201:2010; EN ISO 11201:2010)
- HRN EN ISO 11202:2010 en pr  
Acoustics – Noise emitted by machinery and equipment – Determination of emission sound pressure levels at a work station and at other specified positions applying approximate environmental corrections (ISO 11202:2010; EN ISO 11202:2010)
- HRN EN ISO 11204:2010 en pr  
Acoustics – Noise emitted by machinery and equipment – Determination of emission sound pressure levels at a work station and at other specified positions applying accurate environmental corrections (ISO 11204:2010; EN ISO 11204:2010)
- HRN EN ISO 15186-2:2010 en pr  
Akustika – Mjerenje zvučne izolacije zgrada i elemenata zgrada uporabom jakosti zvuka – 2. dio: Terenska mjerenja (ISO 15186-2:2003; EN ISO 15186-2:2010)  
Acoustics – Measurement of sound insulation in buildings and of building elements using sound intensity – Part 2: Field measurements (ISO 15186-2:2003; EN ISO 15186-2:2010)
- HRN EN ISO 15186-3:2010 en pr  
Akustika – Mjerenje zvučne izolacije zgrada i elemenata zgrada uporabom jakosti zvuka – 3. dio: Laboratorijska mjerenja na niskim frekvencijama (ISO 15186-3:2002; EN ISO 15186-3:2010)  
Acoustics – Measurement of sound insulation in buildings and of building elements using sound intensity – Part 3: Laboratory measurements at low frequencies (ISO 15186-3:2002; EN ISO 15186-3:2010)
- HZN/TO 44, Zavarivanje i srodni postupci**
- HRN EN 1708-1:2010 en pr  
Zavarivanje – Pojednostavljeni o osnovnim oblicima zavarenih spojeva na čeliku – 1. dio: Dijelovi pod tlakom (EN 1708-1:2010)  
Welding – Basic weld joint details in steel – Part 1: Pressurized components (EN 1708-1:2010)
- HRN EN ISO 2503:2010 en pr  
Oprema za plinsko zavarivanje – Regulatori tlaka za plinske boce koje se upotrebljavaju pri zavarivanju, rezanju i srodnim postupcima za tlakove do 300 bara (30 MPa) (ISO 2503:2009; EN ISO 2503:2009)  
Gas welding equipment – Pressure regulators and pressure regulators with flow-metering devices for gas cylinders used in welding, cutting and allied processes up to 300 bar (30 MPa) (ISO 2503:2009; EN ISO 2503:2009)
- HRN EN ISO 2560:2010 en pr  
Dodatni i potrošni materijali za zavarivanje – Obložene elektrode za ručno elektrolučno zavarivanje nelegiranih i sitnozrnatih čelika – Razredba (ISO 2560:2009; EN ISO 2560:2009)  
Welding consumables – Covered electrodes for manual metal arc welding of non-alloy and fine grain steels – Classification (ISO 2560:2009; EN ISO 2560:2009)
- HRN EN ISO 3821:2010 en pr  
Oprema za plinsko zavarivanje – Gumena crijeva za zavarivanje, rezanje i srodne postupke (ISO 3821:2008; EN ISO 3821:2010)  
Gas welding equipment – Rubber hoses for welding, cutting and allied processes (ISO 3821:2008; EN ISO 3821:2010)
- HRN EN ISO 4063:2010 en pr  
Zavarivanje i srodni postupci – Nomenklatura postupaka i referentni brojevi (ISO 4063:2009; EN ISO 4063:2009)
- Welding and allied processes – Nomenclature of processes and reference numbers (ISO 4063:2009; EN ISO 4063:2009)
- HRN EN ISO 5171:2010 en pr  
Oprema za plinsko zavarivanje – Manometri koji se upotrebljavaju pri zavarivanju, rezanju i srodnim postupcima (ISO 5171:2009; EN ISO 5171:2010)  
Gas welding equipment – Pressure gauges used in welding, cutting and allied processes (ISO 5171:2009; EN ISO 5171:2010)
- HRN EN ISO 5173:2010 en pr  
Ispitivanja razaranjem zavara na metalnim materijalima – Ispitivanja savijanjem (ISO 5173:2009; EN ISO 5173:2010)  
Destructive tests on welds in metallic materials – Bend tests (ISO 5173:2009; EN ISO 5173:2010)
- HRN EN ISO 5182:2010 en pr  
Elektrotoporno zavarivanje – Materijali za elektrode i pomoćnu opremu (ISO 5182:2008; EN ISO 5182:2009)  
Resistance welding – Materials for electrodes and ancillary equipment (ISO 5182:2008; EN ISO 5182:2009)
- HRN EN ISO 5821:2010 en pr  
Elektrotoporno zavarivanje – Kapice elektroda za točkasto zavarivanje (ISO 5821:2009; EN ISO 5821:2009)  
Resistance welding – Spot welding electrode caps (ISO 5821:2009; EN ISO 5821:2009)
- HRN EN ISO 9539:2010 en pr  
Oprema za plinsko zavarivanje – Materijali za opremu koja se upotrebljava pri plinskom zavarivanju, rezanju i srodnim postupcima (ISO 9539:2010; EN ISO 9539:2010)  
Gas welding equipment – Materials for equipment used in gas welding, cutting and allied processes (ISO 9539:2010; EN ISO 9539:2010)
- HRN EN ISO 14343:2010 en pr  
Dodatni i potrošni materijali za zavarivanje – Žičane elektrode, trakaste elektrode, žice i šipke za elektrolučno zavarivanje nehrđajućih čelika i čelika otpornih na visoke temperature – Razredba (ISO 14343:2009; EN ISO 14343:2009)  
Welding consumables – Wire electrodes, strip electrodes, wires and rods for arc welding of stainless and heat resisting steels – Classification (ISO 14343:2009; EN ISO 14343:2009)
- HRN EN ISO 14344:2010 en pr  
Dodatni i potrošni materijali za zavarivanje – Nabavka dodatnih materijala i praškova (ISO 14344:2010; EN ISO 14344:2010)  
Welding consumables – Procurements of filler materials and fluxes (ISO 14344:2010; EN ISO 14344:2010)
- HRN EN ISO 15011-1:2010 en pr  
Zdravlje i sigurnost pri zavarivanju i srodnim postupcima – Laboratorijska metoda uzorkovanja dima i plinova – 1. dio: Određivanje brzine emisije dima pri elektrolučnom zavarivanju i prikupljanje dima za analizu (ISO 15011-1:2009; EN ISO 15011-1:2009)  
Health and safety in welding and allied processes – Laboratory method for sampling fume and gases – Part 1: Determination of fume emission rate during arc welding and collection of fume for analysis (ISO 15011-1:2009; EN ISO 15011-1:2009)
- HRN EN ISO 15011-2:2010 en pr  
Zdravlje i sigurnost pri zavarivanju i srodnim postupcima – Laboratorijska metoda uzorkovanja dima i plinova – 2. dio: Određivanje brzine emisije ugljičnog monoksida (CO), ugljičnog dioksida (CO<sub>2</sub>), dušičnog monoksida (NO) i dušičnog dioksida (NO<sub>2</sub>) pri elektrolučnom zavarivanju, rezanju i žlijebljenju (ISO 15011-2:2009; EN ISO 15011-2:2009)  
Health and safety in welding and allied processes – Laboratory method for sampling fume and gases – Part 2: Determination of the emission rates of carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), nitrogen monoxide (NO) and nitrogen dioxide (NO<sub>2</sub>) during arc welding, cutting and gouging (ISO 15011-2:2009; EN ISO 15011-2:2009)
- HRN EN ISO 15011-3:2010 en pr  
Zdravlje i sigurnost pri zavarivanju i srodnim postupcima – Laboratorijska metoda uzorkovanja dima i plinova – 3. dio: Određivanje brzine emisije ozona (ISO 15011-3:2009; EN ISO 15011-3:2009)  
Health and safety in welding and allied processes – Laboratory method for sampling fume and gases – Part 3: Determination of ozone emission rate (ISO 15011-3:2009; EN ISO 15011-3:2009)

- HRI CEN/TR 15068:2010 en pr  
Oprema za plinsko zavarivanje – Mjerenje buke emitirane plamenikom za zavarivanje, rezanjem, zagrijavanjem, tvrdim lemljenjem i lemljenjem – Mjerna metoda (CEN/TR 15068:2009)  
Gas welding equipment – Measurement of noise emitted by blowpipe for welding, cutting, heating, brazing and soldering – Measurement method (CEN/TR 15068:2009)
- HRN EN ISO 15609-4:2010 en pr  
Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Specifikacija postupka zavarivanja – 4. dio: Zavarivanje laserom (ISO 15609-4:2009; EN ISO 15609-4:2009)  
Specification and qualification of welding procedures for metallic materials – Welding procedure specification – Part 4: Laser beam welding (ISO 15609-4:2009; EN ISO 15609-4:2009)
- HRN EN ISO 15653:2010 en pr  
Metalni materijali – Metoda ispitivanja kvazistatične lomne žilavosti zavara (ISO 15653:2010; EN ISO 15653:2010)  
Metallic materials – Method of test for the determination of quasistatic fracture toughness of welds (ISO 15653:2010; EN ISO 15653:2010)
- HRN EN ISO 17635:2010 en pr  
Nerazorno ispitivanje zavara – Opća pravila za metalne materijale (ISO 17635:2010; EN ISO 17635:2010)  
Non-destructive testing of welds – General rules for metallic materials (ISO 17635:2010; EN ISO 17635:2010)
- HRN EN ISO 17638:2010 en pr  
Nerazorno ispitivanje zavara – Ispitivanje magnetnim česticama (ISO 17638:2003; EN ISO 17638:2009)  
Non-destructive testing of welds – Magnetic particle testing (ISO 17638:2003; EN ISO 17638:2009)
- HRN EN ISO 17663:2010 en pr  
Zavarivanje – Zahtjevi za kvalitetu toplinske obrade u vezi sa zavarivanjem i srodnim postupcima (ISO 17663:2009; EN ISO 17663:2009)  
Welding – Quality requirements for heat treatment in connection with welding and allied processes (ISO 17663:2009; EN ISO 17663:2009)
- HRN EN ISO 17672:2010 en pr  
Lemljenje – Dodatni metalni materijali (ISO 17672:2010; EN ISO 17672:2010)  
Brazing – Filler metals (ISO 17672:2010; EN ISO 17672:2010)
- HRN EN ISO 17677-1:2010 en pr  
Elektrotoporno zavarivanje – Terminološki rječnik – 1. dio: Točkasto, bradavičasto i šavno zavarivanje (ISO 17677-1:2009; EN ISO 17677-1:2009)  
Resistance welding – Vocabulary – Part 1: Spot, projection and seam welding (ISO 17677-1:2009; EN ISO 17677-1:2009)
- HRN EN ISO 18592:2010 en pr  
Elektrotoporno zavarivanje – Razorno ispitivanje zavara – Metoda ispitivanja dinamičke čvrstoće zavarenih uzoraka s više točkastih zavara (ISO 18592:2009; EN ISO 18592:2009)  
Resistance welding – Destructive testing of welds – Method for the fatigue testing of multi-spot-welded specimens (ISO 18592:2009; EN ISO 18592:2009)
- HRI CEN ISO/TR 20172:2010 en pr  
Zavarivanje – Sustavi razvrstavanja materijala – Europski materijali (ISO/TR 20172:2009; CEN ISO/TR 20172:2009)  
Welding – Grouping systems for materials – European materials (ISO/TR 20172:2009; CEN ISO/TR 20172:2009)
- HRI CEN ISO/TR 20173:2010 en pr  
Zavarivanje – Sustavi razvrstavanja materijala – Američki materijali (ISO/TR 20173:2009; CEN ISO/TR 20173:2009)  
Welding – Grouping systems for materials – American materials (ISO/TR 20173:2009; CEN ISO/TR 20173:2009)
- HRN EN ISO 23277:2010 en pr  
Nerazorno ispitivanje zavara – Ispitivanje zavara penetrantima – Razine prihvatljivosti (ISO 23277:2006; EN ISO 23277:2009)  
Non-destructive testing of welds – Penetrant testing of welds – Acceptance levels (ISO 23277:2006; EN ISO 23277:2009)
- HRN EN ISO 23278:2010 en pr  
Nerazorno ispitivanje zavara – Ispitivanje zavara magnetskim česticama – Razine prihvatljivosti (ISO 23278:2006; EN ISO 23278:2009)  
Non-destructive testing of welds – Magnetic particle testing of welds – Acceptance levels (ISO 23278:2006; EN ISO 23278:2009)
- HRN EN ISO 23279:2010 en pr  
Nerazorno ispitivanje zavara – Ultrazvučno ispitivanje – Karakterizacija indikacija u zavarima (ISO 23279:2010; EN ISO 23279:2010)  
Non-destructive testing of welds – Ultrasonic testing – Characterization of indications in welds (ISO 23279:2010; EN ISO 23279:2010)
- HRN EN ISO 24373:2010 en pr  
Dodatni potrošni materijali za zavarivanje – Pune žice i šipke za zavarivanje taljenjem bakra i legura bakra – Razredba (ISO 24373:2008; EN ISO 24373:2009)  
Welding consumables – Solid wires and rods for fusion welding of copper and copper alloys – Classification (ISO 24373:2008; EN ISO 24373:2009)
- HRN EN ISO 26304:2010 en pr  
Dodatni potrošni materijali za zavarivanje – Pune žice, žice punjene praškom i kombinacije žica-prašak za elektrolučno zavarivanje pod praškom čelika povišene čvrstoće – Razredba (ISO 26304:2008+Cor 1:2009; EN ISO 26304:2009)  
Welding consumables – Solid wire electrodes, tubular cored electrodes and electrode-flux combinations for submerged arc welding of high strength steels – Classification (ISO 26304:2008+Cor 1:2009; EN ISO 26304:2009)

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

- HRN ISO 446:2010 en pr  
Mikrografija – ISO znak i ISO ispitna karta br. 1 – Opis i upotreba (ISO 446:2004)  
Micrographics – ISO character and ISO test chart No. 1 – Description and use (ISO 446:2004)
- HRN ISO 3334:2010 en pr  
Mikrografija – ISO ispitna karta razlučivosti br. 2 – Opis i upotreba (ISO 3334:2006)  
Micrographics – ISO resolution test chart No. 2 – Description and use (ISO 3334:2006)
- HRN ISO 4087:2010 en pr  
Mikrografija – Mikrofilmiranje novina u svrhu arhiviranja na 35 mm mikrofilmu (ISO 4087:2005)  
Micrographics – Microfilming of newspapers for archival purposes on 35 mm microfilm (ISO 4087:2005)
- HRN ISO 6148:2010 en pr  
Fotografija – Mikrografski filmovi, špule i jezgre – Dimenzije (ISO 6148:2001)  
Photography – Micrographic films, spools and cores – Dimensions (ISO 6148:2001)
- HRN ISO 6196-1:2010 en pr  
Mikrografija – Terminološki rječnik – 1. dio: Opći nazivi (ISO 6196-1:1993)  
Micrographics – Vocabulary – Part 1: General terms (ISO 6196-1:1993)
- HRN ISO 6196-3:2010 en pr  
Mikrografija – Terminološki rječnik – 3. dio: Obrada mikrofilma (ISO 6196-3:1997)  
Micrographics – Vocabulary – Part 3: Film processing (ISO 6196-3:1997)
- HRN ISO 6196-4:2010 en pr  
Mikrografija – Terminološki rječnik – 4. dio: Materijali i pakiranje (ISO 6196-4:1998)  
Micrographics – Vocabulary – Part 4: Materials and packaging (ISO 6196-4:1998)
- HRN ISO 6196-5:2010 en pr  
Mikrografija – Terminološki rječnik – 5. dio: Kvaliteta slika, čitljivost i kontrola (ISO 6196-5:1987)  
Micrographics – Vocabulary – Part 5: Quality of images, legibility, inspection (ISO 6196-5:1987)
- HRN ISO 6198:2010 en pr  
Mikrografija – Čitači za prozirne mikrooblike – Izvedbene karakteristike (ISO 6198:1993)  
Micrographics – Readers for transparent microforms – Performance characteristics (ISO 6198:1993)
- HRN ISO 6199:2010 en pr  
Mikrografija – Mikrofilmiranje dokumenata na 16 mm i 35 mm srebrno-želatinoznom mikrofilmu – Postupak obrade (ISO 6199:2005)  
Micrographics – Microfilming of documents on 16 mm and 35 mm silver-gelatin type microfilm – Operating procedures (ISO 6199:2005)

- HRN ISO 6200:2010 en pr  
Mikrografija – Prva generacija srebrno-želatinoznih mikrooblika izvornih dokumenata – Specifikacije za gustoću i metoda mjerenja (ISO 6200:1999)  
Micrographics – First generation silver-gelatin microforms of source documents – Density specifications and method of measurement (ISO 6200:1999)
- HRN ISO 8126:2010 en pr  
Mikrografija – Umnažanje filma, srebrni, diazo i mjehuričasti – Optička gustoća – Specifikacije i mjerenje (ISO 8126:2000)  
Micrographics – Duplicating film, silver, diazo and vesicular – Visual density – Specifications and measurement (ISO 8126:2000)
- HRN ISO 8127-1:2010 en pr  
Mikrografija – A6 veličina mikrofilmskih košuljica – 1. dio: Peterokanalna košuljica za 16 mm mikrofilm (ISO 8127-1:1989)  
Micrographics – A6 size microfilm jackets – Part 1: Five channel jacket for 16 mm microfilm (ISO 8127-1:1989)
- HRN ISO 10196:2010 en pr  
Primjena dokumenata kao slika – Preporuke za stvaranje izvornih dokumenata (ISO 10196:2003)  
Document imaging applications – Recommendations for the creation of original documents (ISO 10196:2003)
- HRN ISO 10197:2010 en pr  
Mikrografija – Čitači–pisači za prozirne mikrooblike – Karakteristike (ISO 10197:1993)  
Micrographics – Reader-printers for transparent microforms – Characteristics (ISO 10197:1993)
- HRN ISO 10550:2010 en pr  
Mikrografija – Sustavi koračne kamere – Testni snimak za provjeru izvedbe (ISO 10550:1994)  
Micrographics – Planetary camera systems – Test target for checking performance (ISO 10550:1994)
- HRI ISO/TR 10593:2010 en pr  
Mikrografija – Upotreba mikrofilmskih košuljica (ISO/TR 10593:1997)  
Micrographics – Use of microfilm jackets (ISO/TR 10593:1997)
- HRN ISO 11142:2010 en pr  
Mikrografija – Mikrofilm u boji – Primjena tehnike osvjetljivanja za pripremu linija originala i postojanih boja originala (ISO 11142:2005)  
Micrographics – Colour microfilm – Application of the exposure technique to prepare line originals and continuous-tone originals (ISO 11142:2005)
- HRI ISO/TR 12031:2010 en pr  
Mikrografija – Provjera srebrno-želatinoznog mikrooblika za evidenciju razgradnje (ISO/TR 12031:2000)  
Micrographics – Inspection of silver-gelatin microforms for evidence of deterioration (ISO/TR 12031:2000)
- HRI ISO/TR 12036:2010 en pr  
Mikrografija – Brisanje, uklanjanje, ispravak ili dopuna zapisa na mikrooblicima (ISO/TR 12036:2000)  
Micrographics – Expungement, deletion, correction or amendment of records on microforms (ISO/TR 12036:2000)
- HRI ISO/TR 12037:2010 en pr  
Digitalizacija – Preporuke za brisanje podataka snimljenih na optičkim medijima za jednokratno snimanje (ISO/TR 12037:1998)  
Electronic imaging – Recommendations for the expungement of information recorded on write-once optical media (ISO/TR 12037:1998)
- HRN ISO 24537:2010 en pr  
Mikrografija – Dimenzije kalema za 16 mm i 35 mm mikrofilm (ISO 24537:2007)  
Micrographics – Dimensions for reels used for 16 mm and 35 mm microfilm (ISO 24537:2007)

## HZN/TO 71, Beton

- HRN EN 12350-8:2010 en pr  
Ispitivanje svježega betona – 8. dio: Samozbijajući beton – Ispitivanje rasprostranja slijeganjem (EN 12350-8:2010)  
Testing fresh concrete – Part 8: Self-compacting concrete – Slump-flow test (EN 12350-8:2010)
- HRN EN 12350-9:2010 en pr  
Ispitivanje svježega betona – 9. dio: Samozbijajući beton – Ispitivanje V-lijevkom (EN 12350-9:2010)  
Testing fresh concrete – Part 9: Self-compacting concrete – V-funnel test (EN 12350-9:2010)

- HRN EN 12350-10:2010 en pr  
Ispitivanje svježega betona – 10. dio: Samozbijajući beton – Ispitivanje L-posudom (EN 12350-10:2010)  
Testing fresh concrete – Part 10: Self-compacting concrete – L-box test (EN 12350-10:2010)
- HRN EN 12350-11:2010 en pr  
Ispitivanje svježega betona – 11. dio: Samozbijajući beton – Ispitivanje segregacije slijeganjem (EN 12350-11:2010)  
Testing fresh concrete – Part 11: Self-compacting concrete – Sieve segregation test (EN 12350-11:2010)
- HRN EN 12350-12:2010 en pr  
Ispitivanje svježega betona – 12. dio: Samozbijajući beton – Ispitivanje J-prstenom (EN 12350-12:2010)  
Testing fresh concrete – Part 12: Self-compacting concrete – J-ring test (EN 12350-12:2010)

## HZN/TO 74, Cement i vapno

- HRN EN 459-1:2010 en pr  
Građevno vapno – 1. dio: Definicije, specifikacije i kriteriji sukladnosti (EN 459-1:2010)  
Building lime – Part 1: Definitions, specifications and conformity criteria (EN 459-1:2010)
- HRN EN 459-2:2010 en pr  
Građevno vapno – 2. dio: Metode ispitivanja (EN 459-2:2010)  
Building lime – Part 2: Test methods (EN 459-2:2010)
- HRN EN 15368:2010 en pr  
Hidraulično vezivo za nekonstrukcijske primjene – Definicija, specifikacije i kriteriji sukladnosti (EN 15368:2008+A1:2010)  
Hydraulic binder for non-structural applications – Definition, specifications and conformity criteria (EN 15368:2008+A1:2010)

## HZN/TO 89, Furniri i drvene ploče

- HRN EN 312:2010 en pr  
Ploče iverice – Specifikacije (EN 312:2010)  
Particleboards – Specifications (EN 312:2010)
- HRN EN 326-2:2010 en pr  
Ploče na osnovi drva – Uzorkovanje, krojenje i provjera – 2. dio: Početno ispitivanje tipa i tvornička kontrola proizvodnje (EN 326-2:2010)  
Wood-based panels – Sampling, cutting and inspection – Part 2: Initial type testing and factory production control (EN 326-2:2010)
- HRN EN 622-4:2010 en pr  
Ploče vlaknatice – Specifikacije – 4. dio: Zahtjevi za lake ploče (EN 622-4:2009)  
Fibreboards – Specifications – Part 4: Requirements for softboards (EN 622-4:2009)
- HRN EN 622-5:2010 en pr  
Ploče vlaknatice – Specifikacije – 5. dio: Zahtjevi za ploče proizvedene suhim postupkom (MDF) (EN 622-5:2009)  
Fibreboards – Specifications – Part 5: Requirements for dry process boards (MDF) (EN 622-5:2009)
- HRN EN 1058:2010 en pr  
Ploče na osnovi drva – Određivanje karakteristične vrijednosti petog percentila i karakteristične srednje vrijednosti (EN 1058:2009)  
Wood-based panels – Determination of characteristic 5-percentile values and characteristic mean values (EN 1058:2009)
- HRN EN 12871:2010 en pr  
Ploče na osnovi drva – Uporabne specifikacije i zahtjevi za nosive ploče za podove, zidove i krovove (EN 12871:2010)  
Wood-based panels – Performance specifications and requirements for load bearing boards for use in floors, walls and roofs (EN 12871:2010)

## HZN/TO 92, Zaštita od požara

- HRN EN 13823:2010 en pr  
Ispitivanja reakcije na požar građevnih proizvoda – Građevni proizvodi osim podnih obloga izloženi termičkom opterećenju pojedinačno gorućeg elementa (SBI) (EN 13823:2010)  
Reaction to fire tests for building products – Building products excluding floorings exposed to the thermal attack by a single burning item (EN 13823:2010)
- HRN EN ISO 13943:2010 en pr  
Zaštita od požara – Terminološki rječnik (ISO 13943:2008; EN ISO 13943:2010)  
Fire safety – Vocabulary (ISO 13943:2008; EN ISO 13943:2010)

HRN EN 15725:2010 en pr  
Proširena primjena izvještaja o ponašanju u požaru građevnih proizvoda i građevnih elemenata (EN 15725:2010)  
Extended application reports on the fire performance of construction products and building elements (EN 15725:2010)

### **HZN/TO 116, Uredaji i oprema za izmjenu topline**

HRN EN 15821:2010 en pr  
Višestruko ložene peći za saune ložene cjepanicama prirodnog drveta – Zahtjevi i metode ispitivanja (EN 15821:2010)  
Multi-firing sauna stoves fired by natural wood logs – Requirements and test methods (EN 15821:2010)

### **HZN/TO 121, Anestetička i respiracijska oprema**

HRN EN 1865-1:2010 en pr  
Patient handling equipment used in road ambulances – Part 1: General stretcher systems and patient handling equipment (EN 1865-1:2010)

HRN EN 1865-2:2010 en pr  
Patient handling equipment used in road ambulances – Part 2: Power assisted stretcher (EN 1865-2:2010)

HRN EN ISO 15001:2010 en pr  
Anestetička i respiracijska oprema – Kompatibilnost s kisikom (ISO 15001:2010; EN ISO 15001:2010)  
Anaesthetic and respiratory equipment – Compatibility with oxygen (ISO 15001:2010; EN ISO 15001:2010)

### **HZN/TO 126, Duhan i duhanski proizvodi**

HRN ISO 6488:2004/Ispr.1:2010 en pr  
Duhan i duhanski proizvodi – Određivanje udjela vode – Karl Fischerova metoda (ISO 6488:2004/Cor 1:2008)  
Tobacco and tobacco products – Determination of water content – Karl Fischer method (ISO 6488:2004/Cor 1:2008)

### **HZN/TO 134, Gnojiva i poboljšivači tla**

HRN EN 15928:2010 en pr  
Gnojiva – Određivanje finoće mljevenja (suhi postupak) (EN 15928:2010)  
Fertilizers – Determination of the fineness of grinding (dry procedure) (EN 15928:2010)

HRS CEN/TS 16032:2010 en pr  
Gnojiva – Ekstrakcija i određivanje elementarnog sumpora (CEN/TS 16032:2010)  
Fertilizers – Extraction and determination of elemental sulfur (CEN/TS 16032:2010)

### **HZN/TO 135, Nerazorna ispitivanja**

HRN EN 1330-4:2010 en, fr, de pr  
Nerazorno ispitivanje – Nazivlje – 4. dio: Nazivi koji se upotrebljavaju u ispitivanju ultrazvukom (EN 1330-4:2010)  
Non-destructive testing – Terminology – Part 4: Terms used in ultrasonic testing (EN 1330-4:2010)

HRN EN 1330-9:2010 en, fr, de pr  
Nerazorno ispitivanje – Nazivlje – 9. dio: Nazivi koji se upotrebljavaju pri ispitivanju akustičnom emisijom (EN 1330-9:2009)  
Non-destructive testing – Terminology – Part 9: Terms used in acoustic emission testing (EN 1330-9:2009)

HRN EN ISO 7963:2010 en pr  
Nerazorno ispitivanje – Ispitivanje ultrazvukom – Specifikacija radnog etalona br. 2 (ISO 7963:2006; EN ISO 7963:2010)  
Non-destructive testing – Ultrasonic testing – Specification for calibration block No. 2 (ISO 7963:2006; EN ISO 7963:2010)

HRN EN 12668-1:2010 en pr  
Nerazorno ispitivanje – Karakterizacija i provjeravanje opreme za ispitivanje ultrazvukom – 1. dio: Instrumenti (EN 12668-1:2010)  
Non-destructive testing – Characterization and verification of ultrasonic examination equipment – Part 1: Instruments (EN 12668-1:2010)

HRN EN 12668-2:2010 en pr  
Nerazorno ispitivanje – Karakterizacija i provjeravanje opreme za ispitivanje ultrazvukom – 2. dio: Sonde (EN 12668-2:2010)  
Non-destructive testing – Characterization and verification of ultrasonic examination equipment – Part 2: Probes (EN 12668-2:2010)

HRN EN ISO 12706:2010 en pr  
Nerazorno ispitivanje – Ispitivanje penetrantima – Terminološki rječnik (ISO 12706:2009; EN ISO 12706:2009)  
Non-destructive testing – Penetrant testing – Vocabulary (ISO 12706:2009; EN ISO 12706:2009)

HRN EN 13477-2:2010 en pr  
Nerazorno ispitivanje akustičkom emisijom – Karakterizacija opreme – 2. dio: Provjeravanje radnih značajka (EN 13477-2:2010)  
Non destructive testing acoustic emission – Equipment characterisation – Part 2: Verification of operating characteristic (EN 13477-2:2010)

HRN EN 15856:2010 en pr  
Nerazorno ispitivanje – Akustička emisija – Opća načela ispitivanja akustičkom emisijom za otkrivanje korozije metalnih spremnika za kapljevine (EN 15856:2010)  
Non-destructive testing – Acoustic emission – General principles of AE testing for the detection of corrosion within metallic surrounding filled with liquid (EN 15856:2010)

HRN EN 15857:2010 en pr  
Nerazorno ispitivanje – Akustička emisija – Ispitivanje polimera ojačanih vlaknima – Specifična metodologija i opći kriteriji za vrednovanje (EN 15857:2010)  
Non-destructive testing – Acoustic emission – Testing of fibre-reinforced polymers – Specific methodology and general evaluation criteria (EN 15857:2010)

### **HZN/TO 136, Namještaj**

HRN EN 581-2:2010 en pr  
Namještaj za vanjsku primjenu – Namještaj za sjedenje i stolovi za kampiranje, kućnu i javnu uporabu – 2. dio: Mehanički sigurnosni zahtjevi i ispitne metode za namještaj za sjedenje (EN 581-2:2009)  
Outdoor furniture – Seating and tables for camping, domestic and contract use – Part 2: Mechanical safety requirements and test methods for seating (EN 581-2:2009)

HRI CEN/TR 1335-4:2010 en pr  
Uredski namještaj – Uredske radne stolice – 4. dio: Objašnjenja za EN 1335-1:2000 (Dimenzije) (CEN/TR 1335-4:2009)  
Office furniture – Office work chair – Part 4: Clarifications to EN 1335-1:2000 (Dimensions) (CEN/TR 1335-4:2009)

HRN EN 12227:2010 en pr  
Dječji vrtići za kućnu uporabu – Sigurnosni zahtjevi i ispitne metode (EN 12227:2010)  
Playpens for domestic use – Safety requirements and test methods (EN 12227:2010)

HRN EN 12520:2010 en pr  
Namještaj – Čvrstoća, trajnost i sigurnost – Zahtjevi za kućni namještaj za sjedenje (EN 12520:2010)  
Furniture – Strength, durability and safety – Requirements for domestic seating (EN 12520:2010)

HRN EN 12521:2010 en pr  
Namještaj – Čvrstoća, trajnost i sigurnost – Zahtjevi za stolove za kućnu uporabu (EN 12521:2009)  
Furniture – Strength, durability and safety – Requirements for domestic tables (EN 12521:2009)

HRN EN 14434:2010 en pr  
Ploče za pisanje za obrazovne ustanove – Ergonomski, tehnički i sigurnosni zahtjevi i metode njihova ispitivanja (EN 14434:2010)  
Writing boards for educational institutions – Ergonomic, technical and safety requirements and their test methods (EN 14434:2010)

HRN EN 15338:2010 en pr  
Okov za namještaj – Čvrstoća i izdržljivost izvlačnih elemenata i njihovih dijelova (EN 15338:2007+A1:2010)  
Hardware for furniture – Strength and durability of extension elements and their components (EN 15338:2007+A1:2010)

HRN EN 15706:2010 en pr  
Okov za namještaj – Čvrstoća i izdržljivost okova za posmična vrata i posmične rebrenice (rolo-vrata) (EN 15706:2009)  
Hardware for furniture – Strength and durability of slide fittings for sliding doors and roll fronts (EN 15706:2009)

HRI CEN/TR 16015:2010 en, fr, de pr  
Okov za namještaj – Pojmovi za mehanizme za zaključavanje (CEN/TR 16015:2010)  
Hardware for furniture – Terms for locking mechanisms (CEN/TR 16015:2010)

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

- HRN EN 14982:2010 en pr  
Plastični cijevni i kanalni sustavi – Plastomerna tijela ili sastavnice za kontrolne komore i kontrolna okna – Određivanje obodne krutosti (EN 14982:2006+A1:2010)  
Plastics piping and ducting systems – Thermoplastics shafts or risers for inspection chambers and manholes – Determination of ring stiffness (EN 14982:2006+A1:2010)

## **HZN/TO 146, *Kakvoća zraka***

- HRN ISO 4221:2010 en pr  
Kvaliteta zraka – Određivanje masene koncentracije sumpornog dioksida u vanjskom zraku – Thorin spektrofotometrijska metoda (ISO 4221:1980)  
Air quality – Determination of mass concentration of sulphur dioxide in ambient air – Thorin spectrophotometric method (ISO 4221:1980)
- HRN ISO 4226:2010 en pr  
Kvaliteta zraka – Opći aspekti – Mjerne jedinice (ISO 4226:2007)  
Air quality – General aspects – Units of measurement (ISO 4226:2007)
- HRN ISO 9835:2010 en pr  
Vanjski zrak – Određivanje indeksa zacrnjenja (ISO 9835:1993)  
Ambient air – Determination of black smoke index (ISO 9835:1993)
- HRN ISO 12141:2010 en pr  
Emisije iz stacionarnih izvora – Određivanje masene koncentracije čestica (prašine) niskih koncentracija – Ručna gravimetrijska metoda (ISO 12141:2002)  
Stationary source emissions – Determination of mass concentration of particulate matter (dust) at low concentration – Manual gravimetric method (ISO 12141:2002)
- HRN ISO 14164:2010 en pr  
Emisije iz stacionarnih izvora – Određivanje volumnog protoka plinova u odvodnim kanalima – Automatska metoda (ISO 14164:1999)  
Stationary source emissions – Determination of the volume flowrate of gas streams in ducts – Automated method (ISO 14164:1999)
- HRN ISO 15713:2010 en pr  
Emisije iz stacionarnih izvora – Uzorkovanje i određivanje sadržaja plinovitih fluorida (ISO 15713:2006)  
Stationary source emissions – Sampling and determination of gaseous fluoride content (ISO 15713:2006)
- HRN EN 15852:2010 en pr  
Kvaliteta vanjskog zraka – Standardna metoda za određivanje ukupne plinovite žive (EN 15852:2010)  
Ambient air quality – Standard method for the determination of total gaseous mercury (EN 15852:2010)
- HRN EN 15853:2010 en pr  
Kvaliteta vanjskog zraka – Standardna metoda za određivanje taloženja žive (EN 15853:2010)  
Ambient air quality – Standard method for the determination of mercury deposition (EN 15853:2010)

## **HZN/TO 159, *Ergonomija***

- HRN EN 894-4:2010 en pr  
Sigurnost strojarstva – Ergonomski zahtjevi za dizajn displeja i kontrolnih aktera – Dio 4: Lokacija i raspored displeja i kontrolnih aktera (EN 894-4:2010)
- HRN EN ISO 20685:2010 en pr  
3-D metodologije skeniranja za međunarodno kompatibilno pohranjivanje antropometrijskih podataka (ISO 20685:2010; EN ISO 20685:2010)  
3-D scanning methodologies for internationally compatible anthropometric databases (ISO 20685:2010; EN ISO 20685:2010)

## **HZN/TO 163, *Toplinska izolacija***

- HRN EN 15599-1:2010 en pr  
Toplinsko-izolacijski proizvodi za opremu zgrada i industrijske instalacije – Toplinska izolacija od ekspanzirano-perlitnih (EP) proizvoda oblikovana na mjestu primjene – 1. dio: Specifikacija za vezane i nevezane proizvode prije ugradnje (EN 15599-1:2010)

Thermal insulation products for building equipment and industrial installations – In-situ thermal insulation formed from expanded perlite (EP) products – Part 1: Specification for bonded and loose-fill products before installation (EN 15599-1:2010)

- HRN EN 15599-2:2010 en pr  
Toplinsko-izolacijski proizvodi za opremu zgrada i industrijske instalacije – Toplinska izolacija od ekspanzirano-perlitnih (EP) proizvoda oblikovana na mjestu primjene – 2. dio: Specifikacija za ugrađene proizvode (EN 15599-2:2010)  
Thermal insulation products for building equipment and industrial installations – In-situ thermal insulation formed from expanded perlite (EP) products – Part 2: Specification for the installed products (EN 15599-2:2010)
- HRN EN 15600-1:2010 en pr  
Toplinsko-izolacijski proizvodi za opremu zgrada i industrijske instalacije – Toplinska izolacija od ljuskasto-vermikulitnih (EV) proizvoda oblikovana na mjestu primjene – 1. dio: Specifikacija za vezane i nevezane proizvode prije ugradnje (EN 15600-1:2010)  
Thermal insulation products for building equipment and industrial installations – In-situ thermal insulation formed from exfoliated vermiculite (EV) products – Part 1: Specification for bonded and loose-fill products before installation (EN 15600-1:2010)
- HRN EN 15600-2:2010 en pr  
Toplinsko-izolacijski proizvodi za opremu zgrada i industrijske instalacije – Toplinska izolacija od ljuskasto-vermikulitnih (EV) proizvoda oblikovana na mjestu primjene – 2. dio: Specifikacija za ugrađene proizvode (EN 15600-2:2010)  
Thermal insulation products for building equipment and industrial installations – In-situ thermal insulation formed from exfoliated vermiculite (EV) products – Part 2: Specification for the installed products (EN 15600-2:2010)

## **HZN/TO 165, *Drvene konstrukcije***

- HRN EN ISO 8970:2010 en pr  
Drvene konstrukcije – Ispitivanje spojeva izvedenih mehaničkim spojalicama – Zahtjevi za gustoću drvca (ISO 8970:2010; EN ISO 8970:2010)  
Timber structures – Testing of joints made with mechanical fasteners – Requirements for wood density (ISO 8970:2010; EN ISO 8970:2010)
- HRN EN 14229:2010 en pr  
Konstrukcijsko drvo – Drveni stupovi za nadzemne vodove (EN 14229:2010)  
Structural timber – Wood poles for overhead lines (EN 14229:2010)

## **HZN/TO 176, *Upravljanje kvalitetom i osiguranje kvalitete***

- HRN EN ISO 9004:2010 en pr  
Upravljanje u svrhu trajne uspješnosti organizacije – Pristup upravljanju kvalitetom (ISO 9004:2009; EN ISO 9004:2009)  
Managing for the sustained success of an organization – A quality management approach (ISO 9004:2009; EN ISO 9004:2009)
- HRS ISO/TS 16949:2010 en pr  
Sustavi upravljanja kvalitetom – Posebni zahtjevi pri primjeni ISO 9001:2008 za serijsku proizvodnju i proizvodnju zamjenskih dijelova u automobilske industriji (ISO/TS 16949:2009)  
Quality management systems – Particular requirements for the application of ISO 9001:2008 for automotive production and relevant service part organizations (ISO/TS 16949:2009)

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

- HRN EN 81-1:2010 en pr  
Sigurnosna pravila za konstrukciju i ugradnju dizala – 1. dio: Električna dizala (EN 81-1:1998+A3:2009)  
Safety rules for the construction and installation of lifts – Part 1: Electric lifts (EN 81-1:1998+A3:2009)
- HRN EN 81-2:2010 en pr  
Sigurnosna pravila za konstrukciju i ugradnju dizala – 2. dio: Hidraulična dizala (EN 81-2:1998+A3:2009)  
Safety rules for the construction and installation of lifts – Part 2: Hydraulic lifts (EN 81-2:1998+A3:2009)



HRI CEN/TR 81-10:2010 en pr  
Sigurnosna pravila za konstrukciju i ugradnju dizala – Osnove i tumačenja – 10. dio: Sustav niza norma EN 81 (CEN/TR 81-10:2008)  
Safety rules for the construction and installation of lifts – Basics and interpretations – Part 10: System of the EN 81 series of standards (CEN/TR 81-10:2008)

HRS CEN/TS 81-83:2010 en pr  
Sigurnosna pravila za konstrukciju i ugradnju dizala – Postojeća dizala – 83. dio: Pravila za poboljšavanje otpornosti na vandalizam (CEN/TS 81-83:2009)  
Safety rules for the construction and installation of lifts – Existing lifts – Part 83: Rules for the improvement of the resistance against vandalism (CEN/TS 81-83:2009)

HRN EN 115-1:2010 en pr  
Sigurnost pokretnih stuba i pokretnih traka – 1. dio: Konstrukcija i ugradnja (EN 115-1:2008+A1:2010)  
Safety of escalators and moving walks – Part 1: Construction and installation (EN 115-1:2008+A1:2010)

HRI CEN/TR 115-3:2010 en pr  
Sigurnost pokretnih stuba i pokretnih traka – 3. dio: Međusobni odnos EN 115:1995 i njezinog amandmana te EN 115-1:2008 (CEN/TR 115-3:2009)  
Safety of escalators and moving walks – Part 3: Correlation between EN 115:1995 and its amendments and EN 115-1:2008 (CEN/TR 115-3:2009)

HRN EN 12158-1:2010 en pr  
Građevna dizala za transport materijala – 1. dio: Dizala s dozvoljenim pristupom na platformu (EN 12158-1:2000+A1:2010)  
Builders' hoists for goods – Part 1: Hoists with accessible platforms (EN 12158-1:2000+A1:2010)

HRN EN 12158-2:2010 en pr  
Građevna dizala za transport materijala – 2. dio: Kosa dizala s nedozvoljenim pristupom na platformu (EN 12158-2:2000+A1:2010)  
Builders' hoists for goods – Part 2: Inclined hoists with non-accessible load carrying devices (EN 12158-2:2000+A1:2010)

### HZN/TO 179, *Zidane konstrukcije*

HRN EN 998-1:2010 en pr  
Specifikacija morta za zide – 1. dio: Vanjska i unutarnja žbuka (EN 998-1:2010)  
Specification for mortar for masonry – Part 1: Rendering and plastering mortar (EN 998-1:2010)

HRN EN 998-2:2010 en pr  
Specifikacija morta za zide – 2. dio: Mort za zide (EN 998-2:2010)  
Specification for mortar for masonry – Part 2: Masonry mortar (EN 998-2:2010)

### HZN/TO 182/PO 3, *Geotehničke konstrukcije; Izvedba*

HRN EN 1536:2010 en pr  
Izvedba posebnih geotehničkih radova – Bušeni piloti (EN 1536:2010)  
Execution of special geotechnical work – Bored piles (EN 1536:2010)

HRN EN 1538:2010 en pr  
Izvedba posebnih geotehničkih radova – Dijafragme (EN 1538:2010)  
Execution of special geotechnical work – Diaphragm walls (EN 1538:2010)

### HZN/TO 190, *Kakvoća tla*

HRS CEN ISO/TS 21268-1:2010 en pr  
Kvaliteta tla – Postupci ispiranja za naknadna kemijska i ekotoksikološka ispitivanja tla i tvari u tlu – 1. dio: Serijsko ispitivanje uporabom tekućeg i krutog udjela u omjeru 2 l/kg suhe tvari (ISO/TS 21268-1:2007; CEN ISO/TS 21268-1:2009)  
Soil quality – Leaching procedures for subsequent chemical and ecotoxicological testing of soil and soil materials – Part 1: Batch test using a liquid to solid ratio of 2 l/kg dry matter (ISO/TS 21268-1:2007; CEN ISO/TS 21268-1:2009)

HRS CEN ISO/TS 21268-2:2010 en pr  
Kvaliteta tla – Postupci ispiranja za naknadna kemijska i ekotoksikološka ispitivanja tla i tvari u tlu – 2. dio: Serijsko ispitivanje uporabom tekućeg i krutog udjela u omjeru 10 l/kg suhe tvari (ISO/TS 21268-2:2007; CEN ISO/TS 21268-2:2009)

Soil quality – Leaching procedures for subsequent chemical and ecotoxicological testing of soil and soil materials – Part 2: Batch test using a liquid to solid ratio of 10 l/kg dry matter (ISO/TS 21268-2:2007; CEN ISO/TS 21268-2:2009)

HRS CEN ISO/TS 21268-3:2010 en pr  
Kvaliteta tla – Postupci ispiranja za naknadna kemijska i ekotoksikološka ispitivanja tla i tvari u tlu – 3. dio: Ispitivanje stalnim protokom (ISO/TS 21268-3:2007; CEN ISO/TS 21268-3:2009)  
Soil quality – Leaching procedures for subsequent chemical and ecotoxicological testing of soil and soil materials – Part 3: Up-flow percolation test (ISO/TS 21268-3:2007; CEN ISO/TS 21268-3:2009)

HRS CEN ISO/TS 21268-4:2010 en pr  
Kvaliteta tla – Postupci ispiranja za naknadna kemijska i ekotoksikološka ispitivanja tla i tvari u tlu – 4. dio: Utjecaj pH na ispiranje s početnim dodavanjem kiselina/baza (ISO/TS 21268-4:2007; CEN ISO/TS 21268-4:2009)  
Soil quality – Leaching procedures for subsequent chemical and ecotoxicological testing of soil and soil materials – Part 4: Influence of pH on leaching with initial acid/base addition (ISO/TS 21268-4:2007; CEN ISO/TS 21268-4:2009)

### HZN/TO 207, *Upravljanje okolišem*

HRN EN ISO 14001:2009/Ispr.1:2010 en pr  
Sustavi upravljanja okolišem – Zahtjevi s uputama za uporabu (ISO 14001:2004/Cor 1:2009; EN ISO 14001:2004/AC:2009)  
Environmental management systems – Requirements with guidance for use (ISO 14001:2004/Cor 1:2009; EN ISO 14001:2004/AC:2009)

### HZN/TO 502, *Plinski uređaji*

HRN EN 30-1-1:2010 en pr  
Kućanski plinski uređaji za kuhanje – Dio 1-1: Sigurnost – Općenito (EN 30-1-1:2008+A1:2010)  
Domestic cooking appliances burning gas – Part 1-1: Safety – General (EN 30-1-1:2008+A1:2010)

### HZN/TO 503, *Metalni materijali*

HRN EN ISO 2085:2010 en pr  
Anodizacija aluminija i aluminijevih legura – Provjera neprekinutosti tankih prevlaka dobivenih anodnom oksidacijom – Ispitivanje bakrenim sulfatom (ISO 2085:2010; EN ISO 2085:2010)  
Anodizing of aluminium and its alloys – Check for continuity of thin anodic oxidation coatings – Copper sulfate test (ISO 2085:2010; EN ISO 2085:2010)

HRN EN ISO 2376:2010 en pr  
Anodizacija aluminija i aluminijevih legura – Određivanje električnoga probojnog napona (ISO 2376:2010; EN ISO 2376:2010)  
Anodizing of aluminium and its alloys – Determination of electric breakdown potential (ISO 2376:2010; EN ISO 2376:2010)

HRN EN ISO 4945:2010 en pr  
Čelik – Određivanje sadržaja dušika – Spektrofotometrijska metoda (ISO 4945:1977; EN ISO 4945:2009)  
Steel – Determination of nitrogen content – Spectrophotometric method (ISO 4945:1977; EN ISO 4945:2009)

HRN EN ISO 8993:2010 en pr  
Anodizacija aluminija i aluminijevih legura – Vrijednosni sustav za vrednovanje rupičaste korozije – Metoda usporednih karata (ISO 8993:2010; EN ISO 8993:2010)  
Anodizing of aluminium and its alloys – Rating system for the evaluation of pitting corrosion – Chart method (ISO 8993:2010; EN ISO 8993:2010)

HRN EN 10088-4:2010 en pr  
Nehrdajući čelici – 4. dio: Tehnički uvjeti isporuke limova i traka od korozijski postojanih čelika za građevinarstvo (EN 10088-4:2009)  
Stainless steels – Part 4: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for construction purposes (EN 10088-4:2009)

HRN EN 10088-5:2010 en pr  
Nehrdajući čelici – 5. dio: Tehnički uvjeti isporuke za šipke, motke, žicu, profile i svijetlo vučene proizvode od čelika otpornih na koroziju za građevinarstvo (EN 10088-5:2009)  
Stainless steels – Part 5: Technical delivery conditions for bars, rods, wire, sections and bright products of corrosion resisting steels for construction purposes (EN 10088-5:2009)

- HRN EN ISO 10215:2010 en pr  
Anodizacija aluminija i aluminijevih legura – Vizualno određivanje jasnoće slike prevlaka dobivenih anodnom oksidacijom – Metoda s mjernom skalom (ISO 10215:2010; EN ISO 10215:2010)  
Anodizing of aluminium and its alloys – Visual determination of image clarity of anodic oxidation coatings – Chart scale method (ISO 10215:2010; EN ISO 10215:2010)
- HRN EN 10305-1:2010 en pr  
Precizne čelične cijevi – Tehnički uvjeti isporuke – 1. dio: Bešavne, hladno vučene cijevi (EN 10305-1:2009)  
Steel tubes for precision applications – Technical delivery conditions – Part 1: Seamless cold drawn tubes (EN 10305-1:2009)
- HRN EN 10305-2:2010 en pr  
Precizne čelične cijevi – Tehnički uvjeti isporuke – 2. dio: Zavarene, hladno vučene cijevi (EN 10305-2:2009)  
Steel tubes for precision applications – Technical delivery conditions – Part 2: Welded cold drawn tubes (EN 10305-2:2009)
- HRN EN 10305-3:2010 en pr  
Precizne čelične cijevi – Tehnički uvjeti isporuke – 3. dio: Zavarene, hladno valjane cijevi (EN 10305-3:2010)  
Steel tubes for precision applications – Technical delivery conditions – Part 3: Welded cold sized tubes (EN 10305-3:2010)
- HRN EN 10305-5:2010 en pr  
Precizne čelične cijevi – Tehnički uvjeti isporuke – 5. dio: Zavarene, hladno valjane cijevi kvadratnog i četvrtastog presjeka (EN 10305-5:2010)  
Steel tubes for precision applications – Technical delivery conditions – Part 5: Welded cold sized square and rectangular tubes (EN 10305-5:2010)
- HRI CEN/TR 10317:2010 en pr  
Europski potvrđeni referentni materijali (EURONORM-CRMs) za određivanje kemijskog sastava proizvoda iz željeznog lijeva i čelika pod pokroviteljstvom Europskog odbora za normizaciju željeznog lijeva i čelika (ECISS) (CEN/TR 10317:2009)  
European certified reference materials (EURONORM-CRMs) for the determination of the chemical composition of iron and steel products prepared under the auspices of the European Committee for Iron and Steel Standardization (CEN/TR 10317:2009)
- HRN EN 10349:2010 en pr  
Čelični ljevovi – Austenitni manganski čelični ljevovi (EN 10349:2009)  
Steel castings – Austenitic manganese steel castings (EN 10349:2009)
- HRI CEN/TR 10350:2010 en pr  
Analiza čelika i željeznih ljevova – Interni laboratorijski postupak za provjeru točnosti analitičke metode pomoću potvrđenih referentnih materijala (CEN/TR 10350:2009)  
Analysis of steels and irons – Internal laboratory procedure for checking the accuracy of an analytical method by using Certified Reference Materials (CEN/TR 10350:2009)
- HRN EN 12735-1:2010 en pr  
Bakar i legure bakra – Bešavne okrugle bakrene cijevi za klimatizaciju i hlađenje – 1. dio: Cijevi za cjevovode (EN 12735-1:2010)  
Copper and copper alloys – Seamless, round copper tubes for air conditioning and refrigeration – Part 1: Tubes for piping systems (EN 12735-1:2010)
- HRN EN 12735-2:2010 en pr  
Bakar i legure bakra – Bešavne okrugle bakrene cijevi za klimatizaciju i hlađenje – 2. dio: Cijevi za opremu (EN 12735-2:2010)  
Copper and copper alloys – Seamless, round copper tubes for air conditioning and refrigeration – Part 2: Tubes for equipment (EN 12735-2:2010)
- HRN EN 13148:2010 en pr  
Bakar i legure bakra – Vruće pokositrena traka (EN 13148:2010)  
Copper and copper alloys – Hot-dip tinned strip (EN 13148:2010)
- HRN EN 13195:2010 en pr  
Aluminij i aluminijeve legure – Specifikacije za gnječene i lijevane proizvode za primjenu u pomorstvu (brodogradnja, pomorska i odobalna tehnika) (EN 13195:2009)  
Aluminium and aluminium alloys – Specifications for wrought and cast products for marine applications (shipbuilding, marine and offshore) (EN 13195:2009)
- HRN EN 14121:2010 en pr  
Aluminij i aluminijeve legure – Lim, traka i ploča za primjenu u elektrotehnici (EN 14121:2009)  
Aluminium and aluminium alloys – Sheet, strip and plate for electrotechnical applications (EN 14121:2009)
- HRN ISO 14707:2010 en pr  
Površinska kemijska analiza – Optička emisijska spektrometrija (GD-OES) – Uvod u uporabu (ISO 14707:2000)  
Surface chemical analysis – Glow discharge optical emission spectrometry (GD-OES) – Introduction to use (ISO 14707:2000)
- HRN EN 14938-2:2010 en pr  
Bakar i legure bakra – Određivanje sadržaja bizmuta – 2. dio: Metoda plamene atomske apsorpcijske spektrometrije (FAAS) (EN 14938-2:2010)  
Copper and copper alloys – Determination of bismuth content – Part 2: Flame atomic absorption spectrometric method (FAAS) (EN 14938-2:2010)
- HRS CEN/TS 14940-1:2010 en pr  
Bakar i legure bakra – Određivanje sadržaja kroma – 1. dio: Titrimetrijska metoda (CEN/TS 14940-1:2009)  
Copper and copper alloys – Determination of chromium content – Part 1: Titrimetric method (CEN/TS 14940-1:2009)
- HRS CEN/TS 15022-2:2010 en pr  
Bakar i legure bakra – Određivanje sadržaja kositra – 2. dio: Spektrofotometrijska metoda (CEN/TS 15022-2:2009)  
Copper and copper alloys – Determination of tin content – Part 2: Spectrophotometric method (CEN/TS 15022-2:2009)
- HRN EN 15023-3:2010 en pr  
Bakar i legure bakra – Određivanje sadržaja nikla – 3. dio: Metoda plamene atomske apsorpcijske spektrometrije (FAAS) (EN 15023-3:2010)  
Copper and copper alloys – Determination of nickel content – Part 3: Flame atomic absorption spectrometric method (FAAS) (EN 15023-3:2010)
- HRN EN 15025:2010 en pr  
Bakar i legure bakra – Određivanje sadržaja magnezija – Metoda plamene atomske apsorpcijske spektrometrije (FAAS) (EN 15025:2010)  
Copper and copper alloys – Determination of magnesium content – Flame atomic absorption spectrometric method (FAAS) (EN 15025:2010)
- HRN EN 15605:2010 en pr  
Bakar i legure bakra – Induktivno, plazmom spregnuta optička emisijska spektrometrija (EN 15605:2010)  
Copper and copper alloys – Inductively coupled plasma optical emission spectrometry (EN 15605:2010)
- HRS CEN/TS 15616:2010 en pr  
Bakar i legure bakra – Određivanje sadržaja kadmija – Metoda plamene atomske spektrometrijske apsorpcije (FAAS) (CEN/TS 15616:2009)  
Copper and copper alloys – Determination of cadmium content – Flame atomic absorption spectrometric method (FAAS) (CEN/TS 15616:2009)
- HRS CEN/TS 15656:2010 en pr  
Bakar i legure bakra – Određivanje sadržaja fosfora – Spektrofotometrijska metoda (CEN/TS 15656:2009)  
Copper and copper alloys – Determination of phosphorus content – Spectrophotometric method (CEN/TS 15656:2009)
- HRS CEN/TS 15703-1:2010 en pr  
Bakar i legure bakra – Određivanje sadržaja mangana – 1. dio: Spektrofotometrijska metoda (CEN/TS 15703-1:2009)  
Copper and copper alloys – Determination of manganese content – Part 1: Spectrophotometric method (CEN/TS 15703-1:2009)
- HRN EN 15915:2010 en pr  
Bakar i legure bakra – Određivanje sadržaja srebra – Metoda plamene atomske apsorpcijske spektrometrije (FAAS) (EN 15915:2010)  
Copper and copper alloys – Determination of silver content – Flame atomic absorption spectrometric method (FAAS) (EN 15915:2010)
- HRN EN 15916-2:2010 en pr  
Bakar i legure bakra – Određivanje sadržaja telura – 2. dio: Srednji sadržaj telura – Metoda plamene atomske apsorpcijske spektrometrije (FAAS) (EN 15916-2:2010)  
Copper and copper alloys – Determination of tellurium content – Part 2: Medium tellurium content – Flame atomic absorption spectrometric method (FAAS) (EN 15916-2:2010)

HRN ISO 18115-1:2010 en pr  
Površinska kemijska analiza — Terminološki rječnik — 1. dio: Opće nazivlje i nazivlje koje se upotrebljava u spektroskopiji (ISO 18115-1:2010)  
Surface chemical analysis — Vocabulary — Part 1: General terms and terms used in spectroscopy (ISO 18115-1:2010)

HRN ISO 18115-2:2010 en pr  
Površinska kemijska analiza — Terminološki rječnik — 2. dio: Nazivlje koje se upotrebljava u mikroskopiji s pretražnom sondom (ISO 18115-2:2010)  
Surface chemical analysis — Vocabulary — Part 2: Terms used in scanning-probe microscopy (ISO 18115-2:2010)

## **HZNTO 504, Korozija i zaštita metala i legura**

HRN EN ISO 1456:2010 en pr  
Metalne i ostale anorganske prevlake — Elektronanesene prevlake od nikla, od nikla i kroma, od bakra i nikla te od bakra, nikla i kroma (ISO 1456:2009; EN ISO 1456:2009)  
Metallic and other inorganic coatings — Electrodeposited coatings of nickel, nickel plus chromium, copper plus nickel and of copper plus nickel plus chromium (ISO 1456:2009; EN ISO 1456:2009)

HRN EN ISO 1461:2010 en pr  
Vruće pocinčane prevlake na željeznim i čeličnim predmetima — Specifikacije i ispitne metode (ISO 1461:2009; EN ISO 1461:2009)  
Hot dip galvanized coatings on fabricated iron and steel articles — Specifications and test methods (ISO 1461:2009; EN ISO 1461:2009)

HRN EN ISO 2080:2010 en pr  
Metalne i ostale anorganske prevlake — Površinska obrada, metalne i ostale anorganske prevlake — Terminološki rječnik (ISO 2080:2008; EN ISO 2080:2009)  
Metallic and other inorganic coatings — Surface treatment, metallic and other inorganic coatings — Vocabulary (ISO 2080:2008; EN ISO 2080:2009)

HRN EN ISO 4528:2010 en pr  
Staklaste i porculanske emajlirane površine — Odabir ispitnih metoda za staklaste i porculanske dijelove proizvoda (ISO 4528:2000; EN ISO 4528:2009)  
Vitreous and porcelain enamel finishes — Selection of test methods for vitreous and porcelain enamelled areas of articles (ISO 4528:2000; EN ISO 4528:2009)

HRN EN ISO 13805:2010 en pr  
Staklasti i porculanski emajli za aluminij — Određivanje adhezije emajla na aluminiju pod djelovanjem elektrolitske otopine (ispitivanje na ljuštenje) (ISO 13805:1999; EN ISO 13805:2009)  
Vitreous and porcelain enamels for aluminium — Determination of the adhesion of enamels on aluminium under the action of electrolytic solution (spall test) (ISO 13805:1999; EN ISO 13805:2009)

HRN EN ISO 13807:2010 en pr  
Staklasti i porculanski emajli — Određivanje temperature nastajanja pukotine toplinskim šok-ispitivanjem emajlova za kemijsku industriju (ISO 13807:1999+Cor 1:2000; EN ISO 13807:2009)  
Vitreous and porcelain enamels — Determination of crack formation temperature in the thermal shock testing of enamels for the chemical industry (ISO 13807:1999+Cor 1:2000; EN ISO 13807:2009)

HRN EN ISO 14713-1:2010 en pr  
Cinkove prevlake — Smjernice i preporuke za zaštitu od korozije konstrukcija iz željeznog lijeva i čelika — 1. dio: Opća načela projektiranja i korozijske otpornosti (ISO 14713-1:2009; EN ISO 14713-1:2009)  
Zinc coatings — Guidelines and recommendations for the protection against corrosion of iron and steel in structures — Part 1: General principles of design and corrosion resistance (ISO 14713-1:2009; EN ISO 14713-1:2009)

HRN EN ISO 14713-2:2010 en pr  
Cinkove prevlake — Smjernice i preporuke za zaštitu od korozije konstrukcija iz željeznog lijeva i čelika — 2. dio: Vruće pocinčavanje (ISO 14713-2:2009; EN ISO 14713-2:2009)  
Zinc coatings — Guidelines and recommendations for the protection against corrosion of iron and steel in structures — Part 2: Hot dip galvanizing (ISO 14713-2:2009; EN ISO 14713-2:2009)

HRN EN ISO 14713-3:2010 en pr  
Cinkove prevlake — Smjernice i preporuke za zaštitu od korozije konstrukcija iz željeznog lijeva i čelika — 3. dio: Šerardiziranje (ISO 14713-3:2009; EN ISO 14713-3:2009+AC:2010)

Zinc coatings — Guidelines and recommendations for the protection against corrosion of iron and steel in structures — Part 3: Sherardizing (ISO 14713-3:2009; EN ISO 14713-3:2009+AC:2010)

HRN EN 15646:2010 en pr  
Elektronanesene prevlake — Elektroprevučene prevlake aluminija i aluminijevih legura s naknadnom obradom — Zahtjevi i ispitne metode (EN 15646:2009)  
Electrodeposited coatings — Electroplated coatings of aluminium and aluminium alloys with supplementary treatment — Requirements and test methods (EN 15646:2009)

HRN EN 15711:2010 en pr  
Staklasti i porculanski emajli — Staklasto prevučene čelične prirubničke cijevi i prirubnički čelični spojni dijelovi — Zahtjevi za kvalitetu (EN 15711:2009)  
Vitreous and porcelain enamels — Glass lined flanged steel pipes and flanged steel fittings — Quality requirements (EN 15711:2009)

HRN EN 15826:2010 en pr  
Staklasti i porculanski emajli — Nazivlje (EN 15826:2009)  
Vitreous and porcelain enamels — Terminology (EN 15826:2009)

## **HZNTO 506, Materijali, oprema i konstrukcije za naftnu industriju, prirodni plin i geotermalnu vodu**

HRN EN ISO 13680:2010 en pr  
Petroleum and natural gas industries — Corrosion-resistant alloy seamless tubes for use as casing, tubing and coupling stock — Technical delivery conditions (ISO 13680:2010; EN ISO 13680:2010)

## **HZNTO 508, Ambalaža i pakiranje**

HRN EN ISO 4180:2010 en pr  
Ambalaža — Cjelovite, ispunjene transportne pakovine — Opće upute za kompilaciju izvedbe redosljeda ispitivanja (ISO 4180:2009; EN ISO 4180:2010)  
Packaging — Complete, filled transport packages — General rules for the compilation of performance test schedules (ISO 4180:2009; EN ISO 4180:2010)

## **HZNTO 511, Eksplozivi za civilnu uporabu**

HRN EN 15947-1:2010 en pr  
Pyrotechnic articles — Fireworks, Categories 1, 2, and 3 — Part 1: Terminology (EN 15947-1:2010)

HRN EN 15947-2:2010 en pr  
Pyrotechnic articles — Fireworks, Categories 1, 2, and 3 — Part 2: Categories and types of firework (EN 15947-2:2010)

HRN EN 15947-3:2010 en pr  
Pyrotechnic articles — Fireworks, Categories 1, 2, and 3 — Part 3: Minimum labelling requirements (EN 15947-3:2010)

HRN EN 15947-4:2010 en pr  
Pyrotechnic articles — Fireworks, Categories 1, 2 and 3 — Part 4: Test methods (EN 15947-4:2010)

HRN EN 15947-5:2010 en pr  
Pyrotechnic articles — Fireworks, Categories 1, 2, and 3 — Part 5: Requirements for construction and performance (EN 15947-5:2010)

## **HZNTO 518, Podovi, stropovi i zidne obloge**

HRN DIN 4103-1:2010 de pr  
Nenosivi unutarnji pregradni zidovi — Zahtjevi i ispitivanje (DIN 4103-1:1984)  
Internal non-loadbearing partitions; requirements, testing (DIN 4103-1:1984)

HRN DIN 18181:2010 de pr  
Gipsane ploče u zgradarstvu — Primjena (DIN 18181:2008)  
Gypsum plasterboards for building construction — Application (DIN 18181:2008)

HRN DIN 18183-1:2010 de pr  
Pregradni zidovi i zidne obloge iz gipsanih ploča s metalnim podkonstrukcijama — 1. dio: Obloga iz gipsanih ploča (DIN 18183-1:2009)  
Partitions and wall linings with gypsum boards on metal framing — Part 1: Cladding with gypsum plasterboards (DIN 18183-1:2009)

## HZN/TO 519, Adhezivi

- HRN EN ISO 8510-2:2010 en pr  
Adhezivi – Ispitivanje ljuštenja za uzorke sklopa fleksibilni na-krti – 2. dio: Ljuštenje 180 stupnjeva (ISO 8510-2:2006; EN ISO 8510-2:2010)  
Adhesives – Peel test for a flexible-bonded-to-rigid test specimen assembly – Part 2: 180 degree peel (ISO 8510-2:2006; EN ISO 8510-2:2010)
- HRI CEN/TR 15990:2010 en pr  
Obrazac za opis podataka – Ispitni materijali za obuču i ispitivanje adheziva (CEN/TR 15990:2010)  
Data Sheets – Footwear Tests Materials and Test Adhesives (CEN/TR 15990:2010)

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

- HRN EN 13859-1:2010 en pr  
Savijljive hidroizolacijske trake – Definicije i značajke podložnih traka – 1. dio: Podložne trake za prijelopno pokrivanje krovova (EN 13859-1:2010)  
Flexible sheets for waterproofing – Definitions and characteristics of underlays – Part 1: Underlays for discontinuous roofing (EN 13859-1:2010)
- HRN EN 13859-2:2010 en pr  
Savijljive hidroizolacijske trake – Definicije i značajke podložnih traka – 2. dio: Podložne trake za zidove (EN 13859-2:2010)  
Flexible sheets for waterproofing – Definitions and characteristics of underlays – Part 2: Underlays for walls (EN 13859-2:2010)

## HZN/TO 528, Oprema za željeznice

- HRN EN 13674-2:2010 en pr  
Oprema za željeznice – Željeznički gornji ustroj – Tračnica – 2. dio: Tračnice za skretnice i križišta koje se upotrebljavaju zajedno s Vignoleovim željezničkim tračnicama mase 46 kg/m i više (EN 13674-2:2006+A1:2010)  
Railway applications – Track – Rail – Part 2: Switch and crossing rails used in conjunction with Vignole railway rails 46 kg/m and above (EN 13674-2:2006+A1:2010)
- HRN EN 13674-3:2010 en pr  
Oprema za željeznice – Željeznički gornji ustroj – Tračnica – 3. dio: Vodičice (EN 13674-3:2006+A1:2010)  
Railway applications – Track – Rail – Part 3: Check rails (EN 13674-3:2006+A1:2010)
- HRN EN 14730-1:2010 en pr  
Oprema za željeznice – Željeznički gornji ustroj – Aluminotermijsko zavarivanje tračnica – 1. dio: Odobravanje postupaka zavarivanja (EN 14730-1:2006+A1:2010)  
Railway applications – Track – Aluminothermic welding of rails – Part 1: Approval of welding processes (EN 14730-1:2006+A1:2010)

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

- HRN EN 13001-1:2009/Ispr.1:2010 en pr  
Granici – Opće projektiranje – 1. dio: Opća načela i zahtjevi (EN 13001-1:2004+A1:2009/AC:2009)  
Cranes – General design – Part 1: General principles and requirements (EN 13001-1:2004+A1:2009/AC:2009)
- HRN EN 13135-2:2010 en pr  
Cranes – Equipment – Part 2: Non-electrotechnical equipment (EN 13135-2:2004+A1:2010)

## HZN/TO 531, Plastika i guma

- HRN EN ISO 8029:2010 en pr  
Plastično crijevo – Složivo, tekstilom ojačano crijevo za vodu, opće namjene – Specifikacija (ISO 8029:2007; EN ISO 8029:2010)  
Plastics hose – General-purpose collapsible water hose, textile-reinforced – Specification (ISO 8029:2007; EN ISO 8029:2010)

## HZN/TO 532, Dimnjaci

- HRN EN 15287-1:2010 en pr  
Dimnjaci – Projektiranje, ugradnja i preuzimanje dimnjaka – 1. dio: Dimnjaci za uređaje za loženje s otvorenom komorom za izgaranje (EN 15287-1:2007+A1:2010)

Chimneys – Design, installation and commissioning of chimneys – Part 1: Chimneys for non-roomsealed heating appliances (EN 15287-1:2007+A1:2010)

## HZN/TO 533/PO 1, Kolničke konstrukcije; Cestograđevni materijali

- HRN EN 13285:2010 en pr  
Nevezane mješavine – Specifikacije (EN 13285:2010)  
Unbound mixtures – Specifications (EN 13285:2010)
- HRN EN 13286-2:2010 en pr  
Nevezane i hidrauličnim vezivom vezane mješavine – 2. dio: Metode ispitivanja za određivanje laboratorijske suhe gustoće i udjela vode – Zbijanje prema Proctoru (EN 13286-2:2010)  
Unbound and hydraulically bound mixtures – Part 2: Test methods for laboratory dry density and water content – Proctor compaction (EN 13286-2:2010)

## HZN/TO 534, Spremnici za teret

- HRN EN 13121-3:2010 en pr  
Nadzemni GRP spremnici i posude – 3. dio: Konstrukcija i izrada (EN 13121-3:2008+A1:2010)  
GRP tanks and vessels for use above ground – Part 3: Design and workmanship (EN 13121-3:2008+A1:2010)

## HZN/TO 539, Kemijski dezinficijensi i antiseptici

- HRN EN 13623:2010 en pr  
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) (EN 13623:2010)

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

- HRN EN 13141-2:2010 en pr  
Ventilacija u zgradama – Ispitivanje značajka dijelova/proizvoda za ventilaciju zgrada – 2. dio: Vanjski usisni i ispušni otvori (EN 13141-2:2010)  
Ventilation for buildings – Performance testing of components/products for residential ventilation – Part 2: Exhaust and supply air terminal devices (EN 13141-2:2010)
- HRN EN ISO 13349:2010 en pr  
Ventilatori – Terminološki rječnik i definicije skupina (ISO 13349:2010; EN ISO 13349:2010)  
Fans – Vocabulary and definitions of categories (ISO 13349:2010; EN ISO 13349:2010)
- HRN EN ISO 13351:2010 en pr  
Ventilatori – Dimenzije (ISO 13351:2009; EN ISO 13351:2009)  
Fans – Dimensions (ISO 13351:2009; EN ISO 13351:2009)
- HRS CEN/TS 15810:2010 en pr  
Grafički simboli za uporabu na integriranoj opremi za automatizaciju zgrade (CEN/TS 15810:2008)  
Graphical symbols for use on integrated building automation equipment (CEN/TS 15810:2008)
- HRN EN ISO 16484-5:2008/A1:2010 en pr  
Digitalni sustavi upravljanja u zgradama (BACS) – 5. dio: Podatkovni komunikacijski protokol (ISO 16484-5:2007/Amd 1:2009; EN ISO 16484-5:2008/A1:2009)  
Building automation and control systems – Part 5: Data communication protocol (ISO 16484-5:2007/Amd 1:2009; EN ISO 16484-5:2008/A1:2009)

## HZN/TO 550, Opskrba vodom

- HRN EN 15795:2010 en pr  
Products used for treatment of water intended for human consumption – Natural unexpanded aluminosilicates (EN 15795:2010)

## HZN/TO 553, Predgotovljeni proizvodi

- HRN EN 14516:2010 en pr  
Kade za upotrebu u kućanstvu (EN 14516:2006+A1:2010)  
Baths for domestic purposes (EN 14516:2006+A1:2010)
- HRN EN 14527:2010 en pr  
Tuš-kade za upotrebu u kućanstvu (EN 14527:2006+A1:2010)  
Shower trays for domestic purposes (EN 14527:2006+A1:2010)

## HZN/TO 555, *Medicinski proizvodi*

HRN EN ISO 15225:2010 en pr  
Medical devices – Quality management – Medical device nomenclature data structure (ISO 15225:2010; EN ISO 15225:2010)

## HZN/TO 556, *Osobna zaštitna oprema*

HRN EN 354:2010 en pr  
Osobna zaštitna oprema protiv pada s visine – Povezna užad (EN 354:2010)  
Personal fall protection equipment – Lanyards (EN 354:2010)

HRN EN 1938:2010 en pr  
Osobna zaštita očiju – Zaštitne naočale za motocikliste i mopediste (EN 1938:2010)  
Personal eye protection – Goggles for motorcycle and moped users (EN 1938:2010)

HRN EN 12568:2010 en pr  
Štitnici za stopala i noge – Zahtjevi i metode ispitivanja kapica za zaštitu prstiju i uložaka protiv proboja (EN 12568:2010)  
Foot and leg protectors – Requirements and test methods for toecaps and penetration resistant inserts (EN 12568:2010)

## HZN/TO 557, *Zaštitna odjeća*

HRN EN 421:2010 en pr  
Rukavice za zaštitu od ionizirajućeg zračenja i radioaktivne kontaminacije (EN 421:2010)  
Protective gloves against ionizing radiation and radioactive contamination (EN 421:2010)

HRN EN 530:2010 en pr  
Abrazijska otpornost materijala zaštitne odjeće – Ispitne metode (EN 530:2010)  
Abrasion resistance of protective clothing material – Test methods (EN 530:2010)

HRN EN ISO 12402-2:2007/A1:2010 en pr  
Osobne plutajuće naprave – 2. dio: Prsluci za spašavanje, razina svojstva 275 – Sigurnosni zahtjevi – Amandman 1 (ISO 12402-2:2006/Amd 1:2010; EN ISO 12402-2:2006/A1:2010)  
Personal flotation devices – Part 2: Lifejackets, performance level 275 – Safety requirements – Amendment 1 (ISO 12402-2:2006/Amd 1:2010; EN ISO 12402-2:2006/A1:2010)

HRN EN ISO 12402-3:2007/A1:2010 en pr  
Osobne plutajuće naprave – 3. dio: Prsluci za spašavanje, razina svojstva 150 – Sigurnosni zahtjevi – Amandman 1 (ISO 12402-3:2006/Amd 1:2010; EN ISO 12402-3:2006/A1:2010)  
Personal flotation devices – Part 3: Lifejackets, performance level 150 – Safety requirements – Amendment 1 (ISO 12402-3:2006/Amd 1:2010; EN ISO 12402-3:2006/A1:2010)

HRN EN ISO 12402-4:2007/A1:2010 en pr  
Osobne plutajuće naprave – 4. dio: Prsluci za spašavanje, razina svojstva 100 – Sigurnosni zahtjevi – Amandman 1 (ISO 12402-4:2006/Amd 1:2010; EN ISO 12402-4:2006/A1:2010)  
Personal flotation devices – Part 4: Lifejackets, performance level 100 – Safety requirements – Amendment 1 (ISO 12402-4:2006/Amd 1:2010; EN ISO 12402-4:2006/A1:2010)

HRN EN ISO 12402-5:2007/A1:2010 en pr  
Osobne plutajuće naprave – 5. dio: Plutajuća pomagala (razina 50) – Sigurnosni zahtjevi – Amandman 1 (ISO 12402-5:2006/Amd 1:2010; EN ISO 12402-5:2006/A1:2010)  
Personal flotation devices – Part 5: Buoyancy aids (level 50) – Safety requirements – Amendment 1 (ISO 12402-5:2006/Amd 1:2010; EN ISO 12402-5:2006/A1:2010)

HRN EN ISO 12402-6:2007/A1:2010 en pr  
Osobne plutajuće naprave – 6. dio: Posebni prsluci za spašavanje i plutajuća pomagala – Sigurnosni zahtjevi i dodatne ispitne metode – Amandman 1 (ISO 12402-6:2006/Amd 1:2010; EN ISO 12402-6:2006/A1:2010)  
Personal flotation devices – Part 6: Special purpose lifejackets and buoyancy aids – Safety requirements and additional test methods – Amendment 1 (ISO 12402-6:2006/Amd 1:2010; EN ISO 12402-6:2006/A1:2010)

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

HRN EN 12542:2010 en pr  
Oprema i pribor za UNP – Stabilni, nadzemni, zavareni čelični cilindrični spremnici, serijski proizvedeni za skladištenje ukapljenog naftnog plina (UNP) volumena do 13 m<sup>3</sup> – Projektiranje i proizvodnja (EN 12542:2010)  
LPG equipment and accessories – Static welded steel cylindrical tanks, serially produced for the storage of Liquefied Petroleum Gas (LPG) having a volume not greater than 13 m<sup>3</sup> – Design and manufacture (EN 12542:2010)

HRN EN ISO 13341:2010 en pr  
Plinske boce – Ugradnja ventila u plinske boce (ISO 13341:2010; EN ISO 13341:2010)  
Gas cylinders – Fitting of valves to gas cylinders (ISO 13341:2010; EN ISO 13341:2010)

HRN EN 14638-3:2010 en pr  
Prenosive plinske boce – Ponovno punjive, zavarene boce volumena do 150 litara – 3. dio: Zavarene boce od ugljičnog čelika izrađene prema projektu potvrđenom eksperimentalnim metodama (EN 14638-3:2010)  
Transportable gas cylinders – Refillable welded receptacles of a capacity not exceeding 150 litres – Part 3: Welded carbon steel cylinders made to a design justified by experimental methods (EN 14638-3:2010)

## HZN/TO 563, *Sigurnost strojeva*

HRN EN 12042:2010 en pr  
Strojevi za preradu hrane – Automatski odjeljivači – Sigurnosni i higijenski zahtjevi (EN 12042:2005+A1:2010)  
Food processing machinery – Automatic dividers – Safety and hygiene requirements (EN 12042:2005+A1:2010)

HRN EN 12043:2010 en pr  
Strojevi za preradu hrane – Ispitivači sredine – Sigurnosni i higijenski zahtjevi (EN 12043:2000+A1:2010)  
Food processing machinery – Intermediate provers – Safety and hygiene requirements (EN 12043:2000+A1:2010)

## HZN/TO 566, *Poljoprivredni i prehrambeni proizvodi; Mlijeko i mliječni proizvodi*

HRN EN ISO 1211:2010 en pr  
Mlijeko – Određivanje udjela masti – Gravimetrijska metoda (Referentna metoda) (ISO 1211:2010; EN ISO 1211:2010)  
Milk – Determination of fat content – Gravimetric method (Reference method) (ISO 1211:2010; EN ISO 1211:2010)

## HZN/TO E22, *Energetska elektronika*

HRN EN 62040-3:2004/A11:2010 en pr  
ENergetski sustavi neprekidnog napajanja (UPS) – 3. dio: Metoda specificiranja svojstava i ispitnih zahtjeva (EN 62040-3:2001/A11:2009)  
Uninterruptible power systems (UPS) – Part 3: Method of specifying the performance and test requirements (EN 62040-3:2001/A11:2009)

## HZN/TO E23, *Električni instalacijski pribor*

HRN EN 50085-2-2:2010 en pr  
Sustavi za nošenje i sustavi za vođenje kabela (otvarajući i zatvoreni kanali) za električne instalacije – Dio 2-2: Posebni zahtjevi za sustave za nošenje i sustave za vođenje kabela (otvarajuće i zatvorene kanale) namijenjene za ugradbu ispod poda, u razini poda ili na pod (EN 50085-2-2:2008)  
Cable trunking systems and cable ducting systems for electrical installations – Part 2-2: Particular requirements for cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor, or on floor (EN 50085-2-2:2008)

HRN EN 50085-2-4:2010 en pr  
Sustavi za nošenje i sustavi za vođenje kabela (otvarajući i zatvoreni kanali) za električne instalacije – Dio 2-4: Posebni zahtjevi za stupiće s elektroinstalacijskim priborom (EN 50085-2-4:2009)  
Cable trunking systems and cable ducting systems for electrical installations – Part 2-4: Particular requirements for service poles and service posts (EN 50085-2-4:2009)

HRN EN 50428:2007/A2:2010 en pr  
Sklopke za kućanstvo i slične trajno učvršćene električne instalacije – Pobočna norma – Sklopke i srodni pribori za uporabu u elektroničkim sustavima kuće i građevine (HBES) (EN 50428:2005/A2:2009)

- Switches for household and similar fixed electrical installations – Collateral standard – Switches and related accessories for use in home and building electronic systems (HBES) (EN 50428:2005/A2:2009)
- HRN EN 50520:2010 en pr  
Pokrovne ploče i pokrovne trake za zaštitu i upozoravanje na položaj ukopanih kabela ili ukopanih cijevi u podzemnim instalacijama (EN 50520:2009)  
Cover plates and cover tapes for the protection and location warning of buried cables or buried conduits in underground installations (EN 50520:2009)
- HRN IEC 60050-442:2010 en pr  
Međunarodni elektrotehnički rječnik (IEV) – 442. dio: Elektroinstalacijski pribor (IEC 60050-442:1998)  
International Electrotechnical Vocabulary (IEV) – Part 442: Electrical accessories (IEC 60050-442:1998)
- HRI IEC/TR 60083:2010 en pr  
Utikači i utičnice za domaćinstvo i sličnu opću uporabu normirani u zemljama članicama IEC-a (IEC/TR 60083:2009)  
Plugs and socket-outlets for domestic and similar general use standardised in member countries of IEC (IEC/TR 60083:2009)
- HRN EN 60320-2-4:2007/A1:2010 en pr  
Aparatni utični pribor za kućanstvo i slične opće svrhe – Dio 2-4: Utični pribori ovisni o težini aparata za uticanje (IEC 60320-2-4:2005/am1:2009; EN 60320-2-4:2006/A1:2009)  
Appliance couplers for household and similar general purposes – Part 2-4: Couplers dependent on appliance weight for engagement (IEC 60320-2-4:2005/am1:2009; EN 60320-2-4:2006/A1:2009)
- HRN EN 60669-1:2002/A2:2010 en pr  
Sklopke za kućanstvo i slične trajno učvršćene električne instalacije – 1. dio: Opći zahtjevi (IEC 60669-1:1998/am2:2006, MOD; EN 60669-1:1999/A2:2008)  
Switches for household and similar fixed-electrical installations – Part 1: General requirements (IEC 60669-1:1998/am2:2006, MOD; EN 60669-1:1999/A2:2008)
- HRN EN 60669-2-1:2007/A1:2010 en pr  
Sklopke za kućanstvo i slične trajno učvršćene električne instalacije Dio 2-1: Posebni zahtjevi – Elektroničke sklopke (IEC 60669-2-1:2002/am1:2008, MOD; EN 60669-2-1:2004/A1:2009)  
Switches for household and similar fixed electrical installations – Part 2-1: Particular requirements – Electronic switches (IEC 60669-2-1:2002/am1:2008, MOD; EN 60669-2-1:2004/A1:2009)
- HRN EN 60670-23:2010 en pr  
Kutije i kućišta za električne pribore za kućanstvo i slične trajno učvršćene električne instalacije – 23. dio: Posebni zahtjevi za podne kutije i kućišta (IEC 60670-23:2006, MOD; EN 60670-23:2008)  
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 23: Particular requirements for floor boxes and enclosures (IEC 60670-23:2006, MOD; EN 60670-23:2008)
- HRN IEC 60884-2-4:2010 en pr  
Utikači i utičnice za kućanstvo i slične svrhe – Dio 3-4: Posebni zahtjevi za utikače i utičnice za SELV (IEC 60884-2-4:2007)  
Plugs and socket-outlets for household and similar purposes – Part 2-4: Particular requirements for plugs and socket-outlets for SELV (IEC 60884-2-4:2007)
- HRN EN 61008-1:2007/A12:2010 en pr  
Strujne zaštitne sklopke bez združene nadstrujne zaštite za kućanstvo i slične uporabe (RCCB's) – 1. dio: Opća pravila (EN 61008-1:2004/A12:2009)  
Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) – Part 1: General rules (EN 61008-1:2004/A12:2009)
- HRN EN 61009-1:2007/A12:2010 en pr  
Strujne zaštitne sklopke sa združenom nadstrujnom zaštitom za kućanstvo i slične uporabe (RCBO's) – 1. dio: Opća pravila (EN 61009-1:2004/A12:2009)  
Residual current operated circuits-breakers with integral overcurrent protection for household and similar uses (RCBO's) – Part 1: General rules (EN 61009-1:2004/A12:2009)
- HRN EN 61009-1:2007/A13:2010 en pr  
Strujne zaštitne sklopke sa združenom nadstrujnom zaštitom za kućanstvo i slične uporabe (RCBO's) – 1. dio: Opća pravila (EN 61009-1:2004/A13:2009)  
Residual current operated circuits-breakers with integral overcurrent protection for household and similar uses (RCBO's) – Part 1: General rules (EN 61009-1:2004/A13:2009)
- HRN EN 61020-1:2010 en pr  
Elektromehaničke sklopke za uporabu u električnoj i elektroničkoj opremi – 1. dio: Generička specifikacija (Rodovska odredba) (IEC 61020-1:2009; EN 61020-1:2009)  
Electromechanical switches for use in electrical and electronic equipment – Part 1: Generic specification (IEC 61020-1:2009; EN 61020-1:2009)
- HRN EN 61534-22:2010 en pr  
ENERgetski tračnički sustavi – 22. dio: Posebni zahtjevi za energetske tračničke sustave namijenjene za instalacije na podu ili ispod poda (IEC 61534-22:2009; EN 61534-22:2009)  
Powertrack systems – Part 22: Particular requirements for powertrack systems intended for on floor or under floor installation (IEC 61534-22:2009; EN 61534-22:2009)
- HRN EN 61535:2010 en pr  
Instalacijski utični pribor za trajni priključak u trajno učvršćenim instalacijama (IEC 61535:2009; EN 61535:2009)  
Installations couplers intended for permanent connection in fixed installations (IEC 61535:2009; EN 61535:2009)
- HRN EN 61914:2010 en pr  
Kabelske obujmice za električne instalacije (IEC 61914:2009; EN 61914:2009)  
Cable cleats for electrical installations (IEC 61914:2009; EN 61914:2009)
- HRN EN 61995-1:2010 en pr  
Naprave za priključak svjetiljaka za kućanstvo i slične svrhe – 1. dio: Opći zahtjevi (IEC 61995-1:2005, MOD; EN 61995-1:2008)  
Devices for the connection of luminaires for household and similar purposes – Part 1: General requirements (IEC 61995-1:2005, MOD; EN 61995-1:2008)
- HRN EN 61995-2:2010 en pr  
Naprave za priključak svjetiljaka za kućanstvo i slične svrhe – 2. dio: Normirani listovi za DCL (IEC 61995-2:2009; EN 61995-2:2009)  
Devices for the connection of luminaires (DCL) for household and similar purposes – Part 2: Standard sheets for DCL (IEC 61995-2:2009; EN 61995-2:2009)
- HRN EN 62080:2010 en pr  
Naprave za signaliziranje zvukom za kućanstvo i slične svrhe (IEC 62080:2001+A1:2008; EN 62080:2009)  
Sound signalling devices for household and similar purposes (IEC 62080:2001+A1:2008; EN 62080:2009)
- HRN EN 62275:2010 en pr  
Sustavi za vođenje kabela – Kabelske vezice za električne instalacije (IEC 62275:2006, MOD; EN 62275:2009)  
Cable management systems – Cable ties for electrical installations (IEC 62275:2006, MOD; EN 62275:2009)
- HRN EN 62423:2010 en pr  
Strujne zaštitne sklopke tip B sa i bez združene nadstrujne zaštite za kućanstvo i slične uporabe (Tip B RCCB-i i tip B RCBO-i) (EN 62423:2009)  
Type B residual current operated circuit-breakers with and without integral overcurrent protection for household and similar uses (Type B RCCB's and Type B RCBO's) (EN 62423:2009)
- HZN/TO E31, Eksplozivne atmosfere**
- HRN EN 50176:2010 en pr  
Stacionarna oprema za elektrostatsko nanošenje zapaljivih tekućih tvari za premazivanje – Sigurnosni zahtjevi (EN 50176:2009)  
Stationary electrostatic application equipment for ignitable liquid coating material – Safety requirements (EN 50176:2009)
- HRN EN 50495:2010 en pr  
Sigurnosne naprave zahtijevane za pouzdani rad opreme s naslova opasnosti od eksplozije (EN 50495:2010)  
Safety devices required for the safe functioning of equipment with respect to explosion risks (EN 50495:2010)

- HRN EN 60079-15:2010 en pr  
Eksplzivne atmosfere – 15. dio: Vrsta zaštite opreme za štita "n" (IEC 60079-15:2010; EN 60079-15:2010)  
Explosive atmospheres – Part 15: Equipment protection by type of protection "n" (IEC 60079-15:2010; EN 60079-15:2010)
- HRN EN 60079-29-4:2010 en pr  
Eksplzivne atmosfere – Dio 29-4: Oprema za otkrivanje i mjerenje zapaljivih plinova – Zahtjevi za pogonska svojstva opreme za otkrivanje i mjerenje zapaljivih plinova s otvorenom stazom (IEC 60079-29-4:2009, MOD; EN 60079-29-4:2010)  
Explosive atmospheres – Part 29-4: Gas detectors – Performance requirements of open path detectors for flammable gases (IEC 60079-29-4:2009, MOD; EN 60079-29-4:2010)

### **HZN/TO E72, Naprave za automatsko upravljanje u kućanstvu**

- HRN EN 60730-1:2007/A16:2007/Ispr.1:2010 en pr  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 1. dio: Opći zahtjevi (EN 60730-1:2000/A16:2007/Corr.:2010)  
Automatic electrical controls for household and similar use – Part 1: General requirements (EN 60730-1:2000/A16:2007/Corr.:2010)

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

- HRN EN 60950-1:2007/A1:2010 en pr  
Oprema informacijske tehnologije – Sigurnost – 1. dio: Opći zahtjevi (IEC 60950-1:2005/A1:2009, MOD; EN 60950-1:2006/A1:2010)  
Information technology equipment – Safety – Part 1: General requirements (IEC 60950-1:2005/A1:2009, MOD; EN 60950-1:2006/A1:2010)
- HRN IEC 62368-1:2010 en pr  
Oprema audio/video, informacijske i komunikacijske tehnologije – Zahtjevi sigurnosti (IEC 62368-1:2010)  
Audio/video, information and communication technology equipment – Part 1: Safety requirements (IEC 62368-1:2010)

### **HZN/TO E501, Elektroakustika i ultrazvuk**

- HRN EN 60318-6:2010 en pr  
Elektroakustika – Simulatori ljudske glave i uha – 6. dio: Mehanički prespojnik za mjerenje vibratora kosti (IEC 60318-6:2007; EN 60318-6:2008)  
Electroacoustics – Simulators of human head and ear – Part 6: Mechanical coupler for the measurement of bone vibrators (IEC 60318-6:2007; EN 60318-6:2008)
- HRS IEC/TS 61094-7:2010 en pr  
Mjerenje mikrofona – 7. dio: Ocjena razlike između razine u slobodnom polju i tlačne osjetljivosti laboratorijskih standardnih mikrofona (IEC/TS 61094-7:2006)  
Measurement microphones – Part 7: Values for the difference between free-field and pressure sensitivity levels of laboratory standard microphones (IEC/TS 61094-7:2006)
- HRS IEC/TS 62306:2010 en pr  
Ultrazvuk – Karakterizacija polja – Testni objekti za određivanje porasta temperature u dijagnostičkim ultrazvučnim poljima (IEC/TS 62306:2006)  
Ultrasonics – Field characterisation – Test objects for determining temperature elevation in diagnostic ultrasound fields (IEC/TS 62306:2006)
- HRS IEC/TS 62370:2010 en pr  
Elektroakustika – Instrumenti za mjerenje zvučnog intenziteta – Elektromagnetski i elektrostatski zahtjevi kompatibilnosti i metode za ispitivanje (IEC/TS 62370:2004)  
Electroacoustics – Instruments for the measurement of sound intensity – Electromagnetic and electrostatic compatibility requirements and test procedures (IEC/TS 62370:2004)
- HRS IEC/TS 62462:2010 en pr  
Ultrazvuk – Izlazni testovi – Upute za uporabu ultrazvučnih sustava za fizikalnu terapiju (IEC/TS 62462:2007)  
Ultrasonics – Output Test – Guide for the maintenance of ultrasound physiotherapy systems (IEC/TS 62462:2007)

### **HZN/TO Z1, Informacijska tehnologija**

- HRN EN ISO/IEC 15419:2010 en pr  
Informacijska tehnologija – Načini automatskog prepoznavanja i preuzimanja podataka – Digitalna preslika crtičnoga koda i ispitivanje svojstava tiskanja (ISO/IEC 15419:2009; EN ISO/IEC 15419:2010)  
Information technology – Automatic identification and data capture techniques – Bar code digital imaging and printing performance testing (ISO/IEC 15419:2009; EN ISO/IEC 15419:2010)
- HRN EN ISO/IEC 15423:2010 en pr  
Informacijska tehnologija – Načini automatskog prepoznavanja i preuzimanja podataka – Provjera učinka čitača i pretvarača crtičnoga koda (ISO/IEC 15423:2009; EN ISO/IEC 15423:2010)  
Information technology – Automatic identification and data capture techniques – Bar code scanner and decoder performance testing (ISO/IEC 15423:2009; EN ISO/IEC 15423:2010)
- HRN EN ISO/IEC 15438:2010 en pr  
Informacijska tehnologija – Načini automatskog prepoznavanja i preuzimanja podataka – Specifikacija objašnjenja znakovlja crtičnoga koda PDF417 (ISO/IEC 15438:2006; EN ISO/IEC 15438:2010)  
Information technology – Automatic identification and data capture techniques – PDF417 bar code symbology specification (ISO/IEC 15438:2006; EN ISO/IEC 15438:2010)

### **HZN/TO Z2, Ocjenjivanje sukladnosti i akreditacija**

- HRS ISO/PAS 17005:2010 en pr  
Ocjenjivanje sukladnosti – Upotreba sustava upravljanja – Načela i zahtjevi (ISO/PAS 17005:2008)  
Conformity assessment – Use of management systems – Principles and requirements (ISO/PAS 17005:2008)
- HRN ISO/IEC 17007:2010 en pr  
Ocjenjivanje sukladnosti – Upute za izradu nacrtu normativnih dokumenata koji su pogodni za upotrebu prilikom ocjenjivanja sukladnosti (ISO/IEC 17007:2009)  
Conformity assessment – Guidance for drafting normative documents suitable for use for conformity assessment (ISO/IEC 17007:2009)
- HRN EN ISO/IEC 17030:2010 en pr  
Ocjenjivanje sukladnosti – Opći zahtjevi za oznake sukladnosti treće strane (ISO/IEC 17030:2003; EN ISO/IEC 17030:2009)  
Conformity assessment – General requirements for third-party marks of conformity (ISO/IEC 17030:2003; EN ISO/IEC 17030:2009)
- HRN EN ISO/IEC 17043:2010 en pr  
Ocjenjivanje sukladnosti – Opći zahtjevi za ispitivanje sposobnosti (ISO/IEC 17043:2010; EN ISO/IEC 17043:2010)  
Conformity assessment – General requirements for proficiency testing (ISO/IEC 17043:2010; EN ISO/IEC 17043:2010)

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

- HRN EN 15288-1:2010 en pr  
Swimming pools – Part 1: Safety requirements for design (EN 15288-1:2008+A1:2010)

### **HZN/TU I1, Strojarstvo 1**

- HRN EN 13113:2010 en pr  
Tannery machines – Roller coating machines – Safety requirements (EN 13113:2002+A1:2010)

### **HZN/TU I2, Strojarstvo 2**

- HRN EN 13367:2009/Ispr.1:2010 en pr  
Ceramic machines – Safety – Transfer platforms and cars (EN 13367:2005+A1:2008/AC:2009)
- HRN EN 13941:2010 en pr  
Design and installation of preinsulated bonded pipe systems for district heating (EN 13941:2009+A1:2010)
- HRN EN ISO 29701:2010 en pr  
Nanotechnologies – Endotoxin test on nanomaterial samples for in vitro systems – Limulus amoebocyte lysate (LAL) test (ISO 29701:2010; EN ISO 29701:2010)

## HZNTU M1, *Metalni materijali 1*

HRN EN ISO 11876:2010 en pr  
Hardmetals — Determination of calcium, copper, iron, potassium, magnesium, manganese, sodium, nickel and zinc in cobalt metal powders — Flame atomic absorption spectrometric method (ISO 11876:2010; EN ISO 11876:2010)

## HZNTU N1, *Nemetalni materijali 1*

HRN EN 1007-5:2010 en pr  
Advanced technical ceramics — Ceramic composites — Methods of test for reinforcements — Part 5: Determination of distribution of tensile strength and of tensile strain to failure of filaments within a multifilament tow at ambient temperature (EN 1007-5:2010)

HRN EN 1071-12:2010 en pr  
Advanced technical ceramics — Methods of test for ceramic coatings — Part 12: Reciprocating wear test (EN 1071-12:2010)

HRN EN 1071-13:2010 en pr  
Advanced technical ceramics — Methods of test for ceramic coatings — Part 13: Determination of wear rate by the pin-on-disk method (EN 1071-13:2010)

HRS CEN/TS 14243:2010 en pr  
Materials produced from end of life tyres — Specification of categories based on their dimension(s) and impurities and methods for determining their dimension(s) and impurities (CEN/TS 14243:2010)

## HZNTU S1, *Zdravlje, okoliš i medicinska oprema 1*

HRN EN ISO 8362-2:2010 en pr  
Injection containers and accessories — Part 2: Closures for injection vials (ISO 8362-2:2008; EN ISO 8362-2:2010)

HRN EN ISO 9173-2:2010 en pr  
Dentistry — Extraction forceps — Part 2: Designation (ISO 9173-2:2010; EN ISO 9173-2:2010)

HRN EN ISO 10451:2010 en pr  
Dentistry — Contents of technical file for dental implant systems (ISO 10451:2010; EN ISO 10451:2010)

HRN EN ISO 10873:2010 en pr  
Dentistry — Denture adhesives (ISO 10873:2010; EN ISO 10873:2010)

HRN EN ISO 11953:2010 en pr  
Dentistry — Implants — Clinical performance of hand torque instruments (ISO 11953:2010; EN ISO 11953:2010)

HRN EN ISO 28158:2010 en pr  
Dentistry — Integrated dental floss and handles (ISO 28158:2010; EN ISO 28158:2010)

HRN EN ISO 28319:2010 en pr  
Dentistry — Laser welding (ISO 28319:2010; EN ISO 28319:2010)

## HZNTU T1, *Prijevoz, rukovanje materijalima i pakiranje 1*

HRN EN ISO 21487:2008/Ispr.1:2010 en pr  
Small craft — Permanently installed petrol and diesel fuel tanks (ISO 21487:2006/Cor 1:2008; EN ISO 21487:2006/AC:2009)

## 1.2 Nacrti hrvatskih norma

Temeljem Zakona o normizaciji (Narodne novine 163/03) Hrvatski zavod za norme na prijedlog tehničkih odbora objavljuje raspravu o nacrtima hrvatskih norma (oznaka nHRN). Pisane primjedbe na nacrt hrvatskih norma dostavljaju se Hrvatskom zavodu za norme (uz naznaku tehničkog odbora i referencijsku oznaku nacrt hrvatske norme) u roku od 30 dana od dana objave rasprave u službenom glasilu Hrvatskoga zavoda za norme (HZN Glasilo).

Nacrti su hrvatskih norma zainteresiranima na raspolaganju u Normoteci Hrvatskoga zavoda za norme, Ulica grada Vukovara 78, Zagreb.

## HZNTO 28, *Naftni proizvodi i maziva*

nHRN EN 589 hr pp/na  
Goriva za motorna vozila — UNP — Zahtjevi i metode ispitivanja (EN 589:2008)  
Automotive fuels — LPG — Requirements and test methods (EN 589:2008)

nHRN EN 590 hr pp/na  
Goriva za motorna vozila — Dizelsko gorivo — Zahtjevi i metode ispitivanja (EN 590:2009+A1:2010)  
Automotive fuels — Diesel — Requirements and test methods (EN 590:2009+A1:2010)

## 1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

Temeljem Zakona o normizaciji (Narodne novine 163/03) 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 Hrvatskom 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 Glasilo).

## HZNTO 5, *Metalne cijevi i priključci*

EN 1515-4:2009 en  
Flanges and their joints — Bolting — Part 4: Selection of bolting for equipment subject to the Pressure Equipment Directive 97/23/EC

## HZNTO 6, *Papir, karton i pulpe*

prEN ISO 534 en  
Paper and board — Determination of thickness, density and specific volume (ISO/DIS 534:2010)  
Papir i karton — Određivanje debljine, gustoće i specifičnog obujma (ISO/DIS 534:2010)

## HZNTO 8, *Brodogradnja*

EN 1493:2010 en  
Vehicle lifts  
Dizala za vozila

EN 1808:1999+A1:2010 en  
Safety requirements on Suspended Access Equipment — Design calculations, stability criteria, construction — Tests  
Zahtjevi za sigurnost viseće skele — Projektni proračuni, kriteriji stabilnosti, konstrukcija — Ispitivanja

EN ISO 10088:2009 en  
Small craft — Permanently installed fuel systems (ISO 10088:2009)  
Mala plovila — Trajno ugrađeni sustavi goriva (ISO 10088:2009)

EN ISO 12217-1:2002/A1:2009 en  
Small craft — Stability and buoyancy assessment and categorization — Part 1: Non-sailing boats of hull length greater than or equal to 6 m — Amendment 1 (ISO 12217-1:2002/Amd 1:2009)  
Mala plovila — Ocjenjivanje i razredba stabilnosti i plovnosti — 1. dio: Mala plovila bez jedara duljine trupa 6 m ili više — Amandman 1 (ISO 12217-1:2002/Amd 1:2009)

EN ISO 12217-3:2002/A1:2009 en  
Small craft — Stability and buoyancy assessment and categorization — Part 3: Boats of hull length less than 6 m — Amendment 1 (ISO 12217-3:2002/Amd 1:2009)  
Mala plovila — Ocjenjivanje i razredba stabilnosti i plovnosti — 3. dio: Brodice duljine trupa manje od 6 m — Amandman 1 (ISO 12217-3:2002/Amd 1:2009)

EN 15869-1:2010 en  
Inland navigation vessels — Electrical shore connection, three phase current 400 V, up to 63 A, 50 Hz — Part 1: General requirements  
Plovni objekti unutarnje plovidbe — Električni priključak s kopna, trofazne izmjenične struje 400 V, do 63 A, 50 Hz — 1. dio: Opći zahtjevi

EN 15869-2:2010 en  
Inland navigation vessels — Electrical shore connection, three phase current 400 V, up to 63 A, 50 Hz — Part 2: Onshore unit, safety requirements  
Plovni objekti unutarnje plovidbe — Električni priključak s kopna, trofazne izmjenične struje 400 V, do 63 A, 50 Hz — 2. dio: Uređaj na kopnu, sigurnosni zahtjevi

EN 15869-3:2010 en  
Inland navigation vessels — Electrical shore connection, three phase current 400 V, up to 63 A, 50 Hz — Part 3: On-board unit, safety requirements



Plovni objekti unutarnje plovidbe – Električni priključak s kopna, trofazne izmjenične struje 400 V, do 63 A, 50 Hz – 3. dio: Uređaj na plovnom objektu, sigurnosni zahtjevi

## **HZNTO 23, *Traktori i strojevi za poljoprivredu i šumarstvo***

- EN 609-1:1999+A2:2009 en  
Agricultural and forestry machinery – Safety of log splitters – Part 1: Wedge splitters
- EN 609-2:1999+A1:2009 en  
Agricultural and forestry machinery – Safety of log splitters – Part 2: Screw splitters
- EN 690:1994+A1:2009 en  
Agricultural machinery – Manure spreaders – Safety
- EN 703:2004+A1:2009 en  
Agricultural machinery – Silage loading, mixing and/or chopping and distributing machines – Safety
- EN 704:1999+A1:2009 en  
Agricultural machinery – Pick-up balers – Safety
- EN 706:1996+A1:2009 en  
Agricultural machinery – Vine shoot tipping machines – Safety
- EN 707:1999+A1:2009 en  
Agricultural machinery – Slurry tankers – Safety
- EN 709:1997+A4:2009 en  
Agricultural and forestry machinery – Pedestrian controlled tractors with mounted rotary cultivators, motor hoes, motor hoes with drive wheel(s) – Safety
- EN 745:1999+A1:2009 en  
Agricultural machinery – Rotary mowers and flail-mowers – Safety
- EN 786:1996+A2:2009 en  
Garden equipment – Electrically powered walk-behind and hand-held lawn trimmers and lawn edge trimmers – Mechanical safety
- EN 908:1999+A1:2009 en  
Agricultural and forestry machinery – Reel machines for irrigation – Safety
- EN 909:1998+A1:2009 en  
Agricultural and forestry machinery – Centre pivot and moving lateral types irrigation machines – Safety
- EN 1374:2000+A1:2010 en  
Agricultural machinery – Silos stationary unloaders for round silos – Safety
- EN 1853:1999+A1:2009 en  
Agricultural machinery – Trailers with tipping body – Safety
- EN ISO 4254-1:2009 en  
Agricultural machinery – Safety – Part 1: General requirements (ISO 4254-1:2008)
- EN ISO 4254-5:2009 en  
Agricultural machinery – Safety – Part 5: Power-driven soil-working machines (ISO 4254-5:2008)
- EN ISO 4254-6:2009 en  
Agricultural machinery – Safety – Part 6: Sprayers and liquid fertilizer distributors (ISO 4254-6:2009)
- EN ISO 4254-7:2009 en  
Agricultural machinery – Safety – Part 7: Combine harvesters, forage harvesters and cotton harvesters (ISO 4254-7:2008)
- EN ISO 4254-10:2009 en  
Agricultural machinery – Safety – Part 10: Rotary tedders and rakes (ISO 4254-10:2009)
- EN ISO 5674:2009 en  
Tractors and machinery for agriculture and forestry – Guards for power take-off (PTO) drive-shafts – Strength and wear tests and acceptance criteria (ISO 5674:2004, corrected version 2005-07-01)
- EN ISO 9261:2010 en  
Agricultural irrigation equipment – Emitters and emitting pipe – Specification and test methods (ISO 9261:2004)
- EN ISO 10517:2009 en  
Powered hand-held hedge trimmers – Safety (ISO 10517:2009)
- EN ISO 11545:2009 en  
Agricultural irrigation equipment – Centre-pivot and moving lateral irrigation machines with sprayer or sprinkler nozzles – Determination of uniformity of water distribution (ISO 11545:2009)
- EN ISO 11680-1:2008 en  
Machinery for forestry – Safety requirements and testing for pole-mounted powered pruners – Part 1: Units fitted with an integral combustion engine (ISO 11680-1:2000)
- EN ISO 11680-2:2008 en  
Machinery for forestry – Safety requirements and testing for pole-mounted powered pruners – Part 2: Units for use with a back-pack power source (ISO 11680-2:2000)
- EN ISO 11681-1:2008 en  
Machinery for forestry – Portable chain-saw safety requirements and testing – Part 1: Chain-saws for forest service (ISO 11681-1:2004+Amd 1:2007)
- EN ISO 11681-2:2008 en  
Machinery for forestry – Portable chain-saw safety requirements and testing – Part 2: Chain-saws for tree service (ISO 11681-2:2006)
- EN ISO 11806:2008 en  
Agricultural and forestry machinery – Portable hand-held combustion engine driven brush cutters and grass trimmers – Safety (ISO 11806:1997)
- EN 12525:2000+A2:2010 en  
Agricultural machinery – Front loaders – Safety
- EN 12733:2001+A1:2009 en  
Agricultural and forestry machinery – Pedestrian controlled motor mowers – Safety
- EN 12965:2003+A2:2009 en  
Tractors and machinery for agriculture and forestry – Power take-off (PTO) drive shafts and their guards – Safety
- EN 13118:2000+A1:2009 en  
Agricultural machinery – Potato harvesting equipment – Safety
- EN 13140:2000+A1:2009 en  
Agricultural machinery – Sugar beet and fodder beet harvesting equipment – Safety
- EN 13448:2001+A1:2009 en  
Agricultural and forestry machinery – Inter-row mowing units – Safety
- EN 13525:2005+A2:2009 en  
Forestry machinery – Wood chippers – Safety
- EN 13683:2003+A1:2009 en  
Garden equipment – Integrally powered shredders/chippers – Safety
- EN 13684:2004+A3:2009 en  
Garden equipment – Pedestrian controlled lawn aerators and scarifiers – Safety
- EN 14017:2005+A2:2009 en  
Agricultural and forestry machinery – Solid fertilizer distributors – Safety
- EN 14018:2005+A1:2009 en  
Agricultural and forestry machinery – Seed drills – Safety
- EN 14861:2004+A1:2009 en  
Forest machinery – Self propelled machinery – Safety requirements
- EN 14910:2007+A1:2009 en  
Garden equipment – Walk-behind combustion engine powered trimmers – Safety
- EN 14930:2007+A1:2009 en  
Agricultural and forestry machinery and gardening equipment – Pedestrian controlled and hand-held machines – Determination of accessibility of hot surfaces
- EN ISO 14982:2009 en  
Agricultural and forestry machinery – Electromagnetic compatibility – Test methods and acceptance criteria (ISO 14982:1998)
- EN 15503:2009 en  
Garden equipment – Garden blowers, vacuums and blower/vacuums – Safety
- EN 15694:2009 en  
Agricultural and forestry tractors – Passenger seat – Requirements and test procedures
- EN 15695-1:2009 en  
Agricultural tractors and self-propelled sprayers – Protection of the operator (driver) against hazardous substances – Part 1: Cab classification, requirements and test procedures
- EN 15695-2:2009 en  
Agricultural tractors and self-propelled sprayers – Protection of the operator (driver) against hazardous substances – Part 2: Filters, requirements and test procedures

- EN 15811:2009 en  
Agricultural machinery – Guards for moving parts of power transmission – Guard opening with tool (ISO/TS 28923:2007, MOD)
- EN ISO 22867:2008 en  
Forestry machinery – Vibration test code for portable hand-held machines with internal combustion engine – Vibration at the handles (ISO 22867:2004+Cor 1:2006)
- EN ISO 22868:2008 en  
Forestry machinery – Noise test code for portable hand-held machines with internal combustion engine – Engineering method (Grade 2 accuracy) (ISO 22868:2005)
- EN ISO 28139:2009 en  
Agricultural and forestry machinery – Knapsack combustion-engine-driven mistblowers – Safety requirements (ISO 28139:2009)

### **HZN/TO 25, Ljevarstvo**

- prEN 1370 en  
Founding – Examination of surface condition
- prEN 1371-1 rev en  
Founding – Liquid penetrant inspection – Part 1: Sand, gravity die and low pressure die castings
- prEN 12680-3 rev en  
Founding – Ultrasonic examination – Part 3: Spheroidal graphite cast iron castings
- prEN 16124 en  
Founding – Low alloyed ferritic spheroidal graphite cast iron for elevated temperature applications

### **HZN/TO 28, Naftni proizvodi i maziva**

- FprEN ISO 4404-2 en  
Petroleum and related products – Determination of the corrosion resistance of fire-resistant hydraulic fluids – Part 2: Non-aqueous fluids (ISO/FDIS 4404-2:2010)
- prEN 16135 en  
Automotive fuels – Determination of manganese content in unleaded petrol – Flame atomic absorption spectrometric method (AAS)  
Goriva za motorna vozila – Određivanje količine mangana u bezolovnim motornim benzinima – Metoda atomske apsorpcijske spektrometrije (AAS)
- prEN 16136 en  
Automotive fuels – Determination of manganese content in unleaded petrol – Inductively coupled plasma optical emission spectrometry (ICP OES) method  
Goriva za motorna vozila – Određivanje količine mangana u bezolovnim motornim benzinima – Metoda optičke emisijske spektralne analize s induktivno spregnutom plazmom (ICP OES)
- prEN 16143 en  
Petroleum products – Determination of content of Benzo(a)pyrene (BaP) and selected polycyclic aromatic hydrocarbons (PAH) in extender oils – Procedure using double LC cleaning and GC/MS analysis
- prEN 16144 en  
Liquid petroleum products – Determination of ignition delay and derived cetane number (DCN) of middle distillate fuels – Fixed range injection period, constant volume combustion chamber method

### **HZN/TO 34/PO 4, Poljoprivredni i prehrambeni proizvodi; Žito i proizvodi od žita**

- prEN ISO 11746 en  
Rice – Determination of biometric characteristics of kernels (ISO/DIS 11746:2010)

### **HZN/TO 34/PO 8, Poljoprivredni i prehrambeni proizvodi; Mikrobiologija**

- EN ISO 6887-4:2003/prA1 en  
Microbiology of food and animal feeding stuffs – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 4: Specific rules for the preparation of products other than milk and milk products, meat and meat products, and fish and fishery products (ISO 6887-4:2003/DAM 1:2010)

### **HZN/TO 35, Boje i lakovi**

- prEN ISO 2431 en  
Paints and varnishes – Determination of flow time by use of flow cups (ISO/DIS 2431:2010)
- prEN 13523-20 en  
Coil coated metals – Test methods – Part 20: Foam adhesion
- prEN ISO 20566 en  
Paints and varnishes – Determination of the scratch resistance of a coating system using a laboratory-scale car-wash (ISO/DIS 20566:2010)

### **HZN/TO 44, Zavarivanje i srodni postupci**

- FprEN ISO 3580 en  
Welding consumables – Covered electrodes for manual metal arc welding of creep-resisting steels – Classification (ISO 3580:2010)
- FprEN ISO 4136 en  
Destructive tests on welds in metallic materials – Transverse tensile test (ISO 4136:2001)
- FprEN ISO 5178 en  
Destructive tests on welds in metallic materials – Longitudinal tensile test on weld metal in fusion welded joints (ISO 5178:2001)
- FprEN ISO 9015-1 en  
Destructive tests on welds in metallic materials – Hardness testing – Part 1: Hardness test on arc welded joints (ISO 9015-1:2001)
- FprEN ISO 9015-2 en  
Destructive tests on welds in metallic materials – Hardness testing – Part 2: Microhardness testing of welded joints (ISO 9015-2:2003)
- FprEN ISO 9016 en  
Destructive tests on welds in metallic materials – Impact tests – Test specimen location, notch orientation and examination (ISO 9016:2001)
- prEN ISO 13123 en  
Metallic and other inorganic coatings – Test method of cyclic heating for thermal-barrier coatings under temperature gradient (ISO/DIS 13123:2010)
- FprEN ISO 14341 en  
Welding consumables – Wire electrodes and weld deposits for gas shielded metal arc welding of non alloy and fine grain steels – Classification (ISO 14341:2010)
- prEN ISO 15609-5 en  
Specification and qualification of welding procedures for metallic materials – Welding procedure specification – Part 5: Resistance welding (ISO/DIS 15609-1:2010)  
Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Specifikacija postupka zavarivanja – 5. dio: Elektrootporno zavarivanje (ISO/DIS 15609-1:2010)
- prEN ISO 15615 en  
Gas welding equipment – Acetylene manifold systems for welding, cutting and allied processes – Safety requirements in high-pressure devices (ISO/DIS 15615:2010)
- FprEN ISO 17637 en  
Non-destructive testing of welds – Visual testing of fusion-welded joints (ISO 17637:2003)

### **HZN/TO 74, Cement i vapno**

- FprEN 196-5 en  
Methods of testing cement – Part 5: Pozzolanicity test for pozzolanic cement  
Metode ispitivanja cementa – 5. dio: Ispitivanje puolaniteta za puolanke cemente

### **HZN/TO 82, Rudarstvo**

- EN 1804-1:2001+A1:2010 en  
Machines for underground mines – Safety requirements for hydraulic powered roof supports – Part 1: Support units and general requirements  
Strojevi za podzemne rudnike – Sigurnosni zahtjevi za hidrauličnu samohodnu podgradu – 1. dio: Elementi podgrade i opći zahtjevi

- EN 1804-2:2001+A1:2010 en  
Machines for underground mines — Safety requirements for hydraulic powered roof supports — Part 2: Power set legs and rams  
Strojevi za podzemne rudnike — Sigurnosni zahtjevi za hidrauličnu samohodnu podgradu — 2. dio: Stojke i pogonski cilindri
- EN 1804-3:2006+A1:2010 en  
Machines for underground mines — Safety requirements for hydraulic powered roof supports — Part 3: Hydraulic control systems  
Strojevi za podzemne rudnike — Sigurnosni zahtjevi za hidrauličnu samohodnu podgradu — 3. dio: Hidraulički kontrolni sistemi
- EN 1889-2:2003+A1:2009 en  
Machines for underground mines — Mobile machines working underground — Safety — Part 2: Rail locomotives  
Strojevi za podzemne rudnike — Pokretni strojevi u podzemnim rudnicima — Sigurnost — 2. dio: Željezničke lokomotive
- EN 12321:2003+A1:2009 en  
Underground mining machinery — Specification for the safety requirements of armoured face conveyors  
Strojevi za podzemne rudnike — Specifikacija sigurnosnih zahtjeva za oklopljene grabljare širokog čela
- EN 14658:2005+A1:2010 en  
Continuous handling equipment and systems — General safety requirements for continuous handling equipment for opencast lignite mining

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

- EN 378-1:2008/FprA1 en  
Refrigerating systems and heat pumps — Safety and environmental requirements — Part 1: Basic requirements, definitions, classification and selection criteria  
Rashladni sustavi i dizalice topline — Zahtjevi s obzirom na okoliš i sigurnost — 1. dio: Osnovni zahtjevi, definicije, razredba i kriteriji odabira
- FprEN 13313 en  
Refrigerating systems and heat pumps — Competence of personnel  
Rashladni sustavi i dizalice topline — Osposobljenost osoblja
- EN 14276-1:2006/FprA1 en  
Pressure equipment for refrigerating systems and heat pumps — Part 1: Vessels — General requirements
- EN 14276-2:2007/FprA1 en  
Pressure equipment for refrigerating systems and heat pumps — Part 2: Piping — General requirements
- prEN 14511-1 en  
Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling — Part 1: Terms and definitions  
Klimatizacijski uređaji, rashladnici kapljevine i dizalice topline s kompresorima na električni pogon za grijanje i hlađenje prostora — 1. dio: Nazivi i definicije
- prEN 14511-2 en  
Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling — Part 2: Test conditions  
Klimatizacijski uređaji, rashladnici kapljevine i dizalice topline s kompresorima na električni pogon za grijanje i hlađenje prostora — 2. dio: Ispitni uvjeti
- prEN 14511-3 en  
Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling — Part 3: Test methods  
Klimatizacijski uređaji, rashladnici kapljevine i dizalice topline s kompresorima na električni pogon za grijanje i hlađenje prostora — 3. dio: Ispitne metode
- prEN 14511-4 en  
Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling — Part 4: Requirements  
Klimatizacijski uređaji, rashladnici kapljevine i dizalice topline s kompresorima na električni pogon za grijanje i hlađenje prostora — 4. dio: Zahtjevi
- prEN 14624 en  
Performance of portable leak detectors and of room monitors for halogenated refrigerants  
Radne značajke pokretnih i sobnih detektora propuštanja halogeniranih radnih tvari

- prEN 14825 en  
Air conditioners, liquid chilling packages and heat pumps, with electrically driven compressors, for space heating and cooling — Testing and rating at part load conditions and calculation of seasonal performance  
Klimatizacijski uređaji, rashladnici kapljevine i dizalice topline s kompresorima na električni pogon za grijanje i hlađenje prostora — Ispitivanje i mjerenje nazivnih vrijednosti pri uvjetima djelomičnog opterećenja
- FprEN 15879-1 en  
Testing and rating of direct exchange ground coupled heat pumps with electrically driven compressors for space heating and/or cooling — Part 1: Direct exchange-to-water heat pumps  
Ispitivanje i ocjena dizalica topline s kompresorima na električni pogon za grijanje i hlađenje prostora
- FprEN 16084 en  
Refrigerating systems and heat pumps — Qualification of tightness of components and joints  
Rashladni sustavi i dizalice topline — Kvalifikacija nepropusnosti dijelova i spojeva
- EN ISO 23953-1:2005/prA1 en  
Refrigerated display cabinets — Part 1: Vocabulary — Amendment 1 (ISO 23953-1:2005/DAM 1:2009)  
Rashladne vitrine — Terminološki rječnik (ISO 23953-1:2005/DAM 1:2009)
- EN ISO 23953-2:2005/prA1 en  
Refrigerated display cabinets — Part 2: Classification, requirements and test conditions — Amendment 1 (ISO 23953-2:2005/DAM 1:2009)  
Rashladne vitrine — 2. dio: Razredba, zahtjevi i ispitni uvjeti (ISO 23953-2:2005/DAM 1:2009)

## **HZN/TO 89, Furniri i drvene ploče**

- FprEN 13986 en  
Wood-based panels for use in construction — Characteristics, evaluation of conformity and marking  
Ploče na osnovi drva za primjenu u graditeljstvu — Svojstva, vrednovanje sukladnosti i označavanje

## **HZN/TO 92, Zaštita od požara**

- FprEN 1366-10 en  
Fire resistance tests for service installations — Part 10: Smoke control dampers
- FprEN 15080-12 en  
Extended application of results from fire resistance tests — Part 12: Loadbearing masonry walls

## **HZN/TO 108, Mehaničke vibracije i udari**

- EN ISO 20643:2008/prA1 en  
Mechanical vibration — Hand-held and hand-guided machinery — Principles for evaluation of vibration emission — Amendment 1: Accelerometer positions (ISO 20643:2005/DAM 1:2010)
- prEN ISO 28927-12 en  
Hand-held portable power tools — Test methods for evaluation of vibration emission — Part 12: Die grinders (ISO/DIS 28927-12:2010)
- EN 30326-1:1994/prA2 en  
Mechanical vibration — Laboratory method for evaluating vehicle seat vibration — Part 1: Basic requirements — Amendment 2 (ISO 10326-1:1992/DAM 2:2010)

## **HZN/TO 116, Uređaji i oprema za izmjenu topline**

- prEN 303-5 en  
Central-Heating boilers — Part 5: Heating boilers for solid fuels, hand and automatically stoked, nominal heat output of up to 500 kW — Terminology requirements, testing and marking  
Toplovodni kotlovi — 5. dio: Kotlovi na kruto gorivo, ručno i automatski loženi, nazivne toplinske snage do 500 kW — Nazivlje, zahtjevi, ispitivanje i označavanje
- prEN 12514-1 en  
Parts for supply systems for consuming units with liquid fuels — Part 1: Safety requirements and tests — Terminology, general requirements
- prEN 12514-2 en  
Parts for supply systems for demand appliance with liquid fuels — Part 2: Safety requirements and tests — Feed pumps, control and safety devices, operating vessels

- prEN 12514-3 en  
Parts for supply systems for consuming units with liquid fuels – Part 3: Safety requirements and tests – Valves and meters
- prEN 12514-4 en  
Parts for supply systems for consuming units with liquid fuels – Part 4: Safety requirements and tests – Pipings and parts within pipelines
- CEN/TS 15883:2009 en  
Residential solid fuel burning appliances – Emission test methods

### **HZNTO 120, Koža i obuća**

- prEN ISO 2419 en  
Leather – Physical and mechanical tests – Sample preparation and conditioning (ISO/DIS 2419:2010)
- prEN ISO 17076-1 en  
Leather – Determination of abrasion resistance – Part 1: Taber method (ISO/DIS 17076-1:2010)
- prEN ISO 20877 en  
Footwear – Test methods for whole shoe – Thermal insulation (ISO/DIS 20877:2010)
- prEN ISO 26082-1 en  
Leather – Physical and mechanical test method for the determination of soiling – Part 1: Rubbing (Martindale) method (ISO/DIS 26082-1:2010)

### **HZNTO 121, Anestetička i respiracijska oprema**

- EN ISO 7396-1:2007/A1:2010 en  
Medical gas pipeline systems – Part 1: Pipeline systems for compressed medical gases and vacuum – Amendment 1: Requirements for terminal units for vacuum fitted on medical supply units with operator-adjustable portions and connected to the pipeline through flexible hoses (ISO 7396-1:2007/Amd 1:2010)
- EN ISO 7396-1:2007/A2:2010 en  
Medical gas pipeline systems – Part 1: Pipeline systems for compressed medical gases and vacuum – Amendment 2 (ISO 7396-1:2007/Amd 2:2010)  
Cjevovodni sustavi za medicinske plinove – 1. dio: Cjevovodni sustavi za komprimirane medicinske plinove i vakuum – Amandman 2 (ISO 7396-1:2007/Amd 2:2010)
- EN ISO 8835-3:2009/FprA1 en  
Inhalational anaesthesia systems – Part 3: Transfer and receiving systems of active anaesthetic gas scavenging systems (ISO 8835-3:2007/FDAM 1:2010)  
Inhalacijski anestetički sustavi – 3. dio: Sustavi provođenja i aktivnog odstranjanja anestetičkih plinova (ISO 8835-3:2007/FDAM 1:2010)

### **HZNTO 126, Duhan i duhanski proizvodi**

- ISO 2965:2009 en  
Materials used as cigarette papers, filter plug wrap and filter joining paper, including materials having a discrete or oriented permeable zone and materials with bands of differing permeability – Determination of air permeability  
Materijali koji se upotrebljavaju kao cigaretni papir, ovojni papir za filter i papir za usni dio cigarete, uključujući i materijale koji imaju odjeljenu ili usmjerenu propusnu zonu i materijali s područjima različite propusnosti – Određivanje propusnosti zraka
- ISO 3308:2000/Amd 1:2009 en  
Routine analytical cigarette-smoking machine – Definitions and standard conditions  
Rutinski analitički stroj za pušenje cigareta – Definicije i normirani uvjeti
- ISO 3400:1997/Amd 1:2009 en  
Cigarettes – Determination of alkaloids in smoke condensates – Spectrometric method  
Cigarete – Određivanje alkaloida u dimnom kondenzatu – Spektrometrijska metoda
- ISO 4387:2000/Amd 1:2008 en  
Cigarettes – Determination of total and nicotine-free dry particulate matter using a routine analytical smoking machine  
Cigarete – Određivanje ukupnog i suhog dimnog kondenzata bez nikotina (katrana) uporabom rutinskog analitičkog stroja za pušenje

- ISO/TS 7821:2005 en  
Tobacco and tobacco products – Preparation and constitution of identical samples from the same lot for collaborative studies for the evaluation of test methods  
Duhan i duhanski proizvodi – Priprema i sastavljanje identičnih uzoraka iz jednog lota za međulaboratorijska ispitivanja za vrednovanje metoda ispitivanja

- ISO 8243:2006 en  
Cigarettes – Sampling  
Cigarete – Uzorkovanje
- ISO 8454:2007+Amd 1:2009 en  
Cigarettes – Determination of carbon monoxide in the vapour phase of cigarette smoke – NDIR method  
Cigarete – Određivanje ugljikovog monoksida u parnoj fazi dima cigarete – NDIR metoda

- ISO 10185:2004 en  
Tobacco and tobacco products – Vocabulary  
Duhan i duhanski proizvodi – Rječnik

- ISO 15592-3:2008 en  
Fine-cut tobacco and smoking articles made from it – Methods of sampling, conditioning and analysis – Part 3: Determination of total particulate matter of smoking articles using a routine analytical smoking machine, preparation for the determination of water and nicotine, and calculation of nicotine-free dry particulate matter  
Fino rezani duhan i proizvodi za pušenje izrađeni od njega – Metode uzorkovanja, kondicioniranja i analize – 3. dio: Određivanje ukupnog dimnog kondenzata proizvoda za pušenje pomoću rutinskog analitičkog stroja za pušenje, priprema za određivanje vode i nikotina i izračunavanje kondenzata bez nikotina

- FprEN 16156 en  
Cigarettes – Assessment of the ignition propensity – Safety requirement

- ISO 20369:2009 en  
Material used for producing wrappings for cigarette filters, cigarettes and other tobacco products – Determination of citrate content  
Materijali koji se upotrebljavaju za proizvodnju ovojnog papira za cigaretno filtre, cigarete i druge duhanske proizvode – Određivanje udjela citrata

- ISO 20370:2009 en  
Material used for producing wrappings for cigarette filters, cigarettes and other tobacco products – Determination of acetate content  
Materijali koji se upotrebljavaju za proizvodnju ovojnog papira za cigaretno filtre, cigarete i druge duhanske proizvode – Određivanje udjela acetata

- ISO 22303:2008 en  
Tobacco – Determination of tobacco specific nitrosamines – Method using buffer extraction  
Duhan – Određivanje nitrozamina specifičnih za duhan – Metoda ekstrakcije puferom

- ISO/TS 22304:2008 en  
Tobacco – Determination of tobacco specific nitrosamines – Method using alkaline dichloromethane extraction  
Duhan – Određivanje nitrozamina specifičnih za duhan – Metoda ekstrakcije diklormetanom

- ISO/TR 22305:2006 en  
Cigarettes – Measurement of nicotine-free dry particulate matter, nicotine, water and carbon monoxide in cigarette smoke – Analysis of data from collaborative studies reporting relationships between repeatability, reproducibility and tolerances  
Cigarete – Mjerenje suhog dimnog kondenzata bez nikotina, nikotina, vode i ugljičnog monoksida u cigaretnom dimu – Analiza podataka međulaboratorijskog ispitivanja odnosa između ponovljivosti, obnovljivosti i otpustanja

- ISO 22634:2008 en  
Cigarettes – Determination of benzo(a)pyrene in cigarette mainstream smoke – Method using gas chromatography/mass spectrometry  
Cigarete – Određivanje benzo[a]pirena u glavnoj struji dima – Metoda upotrebom plinske kromatografije/masene spektrometrije

### **HZNTO 135, Nerazorna ispitivanja**

- FprEN 14127 en  
Non-destructive testing – Ultrasonic thickness measurement
- FprEN ISO 15549 en  
Non-destructive testing – Eddy current testing – General principles (ISO 15549:2008)  
Nerazorna ispitivanje – Ispitivanje vrložnim strujama – Opća načela (ISO 15549:2008)

## HZN/TO 136, *Namještaj*

- prEN 16121 en  
Non-domestic storage furniture – Requirements for safety, strength, durability and stability  
Namještaj za skladištenje koji nije za kućnu uporabu – Zahtjevi za sigurnost, čvrstoću, izdržljivost i stabilnost
- prEN 16122 en  
Non-domestic storage furniture – Test methods for the determination of strength, durability and stability  
Namještaj za skladištenje koji nije za kućnu uporabu – Metode ispitivanja za određivanje čvrstoće, izdržljivosti i stabilnosti
- prEN 16139 en  
Furniture – Strength, durability and safety – Requirements for non-domestic seating

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

- prEN ISO 15874-1 en  
Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 1: General (ISO/DIS 15874-1:2010)
- prEN ISO 15874-2 en  
Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 2: Pipes (ISO/DIS 15874-2:2010)
- prEN ISO 15874-3 en  
Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 3: Fittings (ISO/DIS 15874-3:2010)
- prEN ISO 15874-5 en  
Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 5: Fitness for purpose of the system (ISO/DIS 15874-5:2010)

## HZN/TO 146, *Kakvoća zraka*

- EN 1911:2010 en  
Stationary source emissions – Determination of mass concentration of gaseous chlorides expressed as HCl – Standard reference method
- FprEN ISO 11771 en  
Air quality – Determination of time-averaged mass emissions and emission factors – General approach (ISO/DIS 11771:2008)
- prEN 15980 en  
Air quality – Determination of the deposition of benz[a]anthracene, benzo[b]fluoranthene, benzo[j]fluoranthene, benzo[k]fluoranthene, benzo[a]pyrene, dibenz[a,h]anthracene and indeno[1,2,3-cd]pyrene
- prEN ISO 16000-26 en  
Indoor air – Part 26: Sampling strategy for carbon dioxide (CO<sub>2</sub>) (ISO/DIS 16000-26:2010)
- FprCEN/TS 16115 en  
Ambient air quality – Measurement of bioaerosols – Part 1: Determination of moulds using filter sampling systems and cultivation based analyses
- prEN ISO 25139 en  
Stationary source emissions – Manual method for the determination of the methane concentration using gas chromatography (ISO/DIS 25139:2009)
- EN ISO 25140:2010 en  
Stationary source emissions – Automatic method for the determination of the methane concentration using flame ionisation detection (FID) (ISO 25140:2010)

## HZN/TO 147, *Kakvoća vode*

- ISO 6107-2:2006 en  
Water quality – Vocabulary – Part 2  
Kvaliteta vode – Terminološki rječnik – 2. dio
- ISO 6107-6:2004 en  
Water quality – Vocabulary – Part 6  
Kvaliteta vode – Terminološki rječnik – 6. dio
- ISO 6107-7:2006 en  
Water quality – Vocabulary – Part 7  
Kvaliteta vode – Terminološki rječnik – 7. dio
- prEN ISO 8692 en  
Water quality – Fresh-water algal growth inhibition test with unicellular green algae (ISO/DIS 8692:2010)

- prEN 16150 en  
Water quality – Guidance on pro-rata Multi-Habitat sampling of benthic macro-invertebrates from Wadeable rivers

## HZN/TO 147/PO 2, *Kakvoća vode; Fizikalno-kemijske metode ispitivanja*

- prEN ISO 7887 en  
Water quality – Examination and determination of colour (ISO/DIS 7887:2009)
- EN ISO 11885:2009 en  
Water quality – Determination of selected elements by inductively coupled plasma optical emission spectrometry (ICP-OES) (ISO 11885:2007)
- prEN ISO 14403-1 en  
Water quality – Determination of total cyanide and free cyanide using flow analysis (FIA and CFA) – Part 1: Method with flow injection analysis (FIA) (ISO/DIS 14403-1:2009)
- prEN ISO 14403-2 en  
Water quality – Determination of total cyanide and free cyanide using flow analysis (FIA and CFA) – Part 2: Method with continuous flow analysis (CFA) (ISO/DIS 14403-2:2009)
- EN ISO 23913:2009 en  
Water quality – Determination of chromium(VI) – Method using flow analysis (FIA and CFA) and spectrometric detection (ISO 23913:2006)

## HZN/TO 147/PO 7, *Kakvoća vode; Mikrobiološka i biološka ispitivanja*

- EN 15708:2009 en  
Water quality – Guidance standard for the surveying, sampling and laboratory analysis of phytobenthos in shallow running water
- EN 15843:2010 en  
Water quality – Guidance standard on determining the degree of modification of river hydromorphology
- prEN 15972 en  
Water quality – Guidance on quantitative and qualitative investigations of marine phytoplankton

## HZN/TO 159, *Ergonomija*

- prEN ISO 9241-143 en  
Ergonomics of human-system interaction – Part 143: Form-based dialogues (ISO/DIS 9241-143:2010)
- FprEN ISO 9241-210 en  
Ergonomics of human-system interaction – Part 210: Human-centred design for interactive systems (ISO 9241-210:2010)

## HZN/TO 163, *Toplinska izolacija*

- prEN ISO 12569 en  
Thermal performance of buildings and materials – Determination of specific airflow rate in buildings – Tracer gas dilution method (ISO/DIS 12569:2010)
- FprEN ISO 23993 en  
Thermal insulation products for building equipment and industrial installations – Determination of design thermal conductivity (ISO 23993:2008, Corrected version 2009-10-01)

## HZN/TO 165, *Drvene konstrukcije*

- prEN 1912 en  
Structural Timber – Strength classes – Assignment of visual grades and species
- EN 14081-1:2005/FprA1 en  
Timber structures – Strength graded structural timber with rectangular cross section – Part 1: General requirements
- prEN 14081-3 en  
Timber structures – Strength graded structural timber with rectangular cross section – Part 3: Machine grading; additional requirements for factory production control

## HZN/TO 172, *Optika i optički instrumenti*

- EN ISO 8596:2009 en  
Ophthalmic optics – Visual acuity testing – Standard optotype and its presentation (ISO 8596:2009)  
Oftalmološka optika – Ispitivanje vizualne oštine – Standardni optotipovi i njihovo prikazivanje (ISO 8596:2009)

- EN ISO 8612:2009 en  
Ophthalmic instruments – Tonometers (ISO 8612:2009)  
Oftalmološki instrumenti – Tonometri (ISO 8612:2009)
- EN ISO 9801:2009 en  
Ophthalmic instruments – Trial case lenses (ISO 9801:2009)  
Oftalmološki instrumenti – Ispitne leće (ISO 9801:2009)
- EN ISO 10341:2009 en  
Ophthalmic instruments – Refractor heads (ISO 10341:2009)  
Oftalmološki instrumenti – Refraktorske glave (ISO 10341:2009)
- EN ISO 10343:2009 en  
Ophthalmic instruments – Ophthalmometers (ISO 10343:2009)  
Oftalmološki instrumenti – Oftalmometri (ISO 10343:2009)
- EN ISO 10940:2009 en  
Ophthalmic instruments – Fundus cameras (ISO 10940:2009)  
Oftalmološki instrumenti – Fundus kamere (ISO 10940:2009)
- EN ISO 10944:2009 en  
Ophthalmic instruments – Synoptophores (ISO 10944:2009)  
Oftalmološki instrumenti – Sinoptofori (ISO 10944:2009)
- EN ISO 11145:2008 en  
Optics and photonics – Lasers and laser-related equipment – Vocabulary and symbols (ISO 11145:2006)  
Optika i fotonika – Laseri i pridružena oprema – Terminološki rječnik i simboli (ISO 11145:2006)
- EN ISO 11252:2008 en  
Lasers and laser-related equipment – Laser device – Minimum requirements for documentation (ISO 11252:2004)  
Laseri i pridružena oprema – Laserski uređaj – Minimalni zahtjevi za dokumentaciju (ISO 11252:2004)
- prEN ISO 11252 en  
Lasers and laser-related equipment – Laser device – Minimum requirements for documentation (ISO/DIS 11252:2010)
- EN ISO 11553-1:2008 en  
Safety of machinery – Laser processing machines – Part 1: General safety requirements (ISO 11553-1:2005)  
Sigurnost strojeva – Laserski strojevi za obradu – 1. dio: Opći zahtjevi za sigurnost (ISO 11553-1:2005)
- EN ISO 11553-2:2008 en  
Safety of machinery – Laser processing machines – Part 2: Safety requirements for hand-held laser processing devices (ISO 11553-2:2007)  
Sigurnost strojeva – Laserski strojevi za obradu – 2. dio: Zahtjevi za sigurnost ručnih laserskih uređaja za obradu (ISO 11553-2:2007)
- EN ISO 11810-1:2009 en  
Lasers and laser-related equipment – Test method and classification for the laser resistance of surgical drapes and/or patient protective covers – Part 1: Primary ignition and penetration (ISO 11810-1:2005)  
Laseri i pridružena oprema – Metode ispitivanja i razredba otpornosti kirurških zastora i/ili zaštitnih pokrivala za pacijente na lasersko zračenje – 1. dio: Primarno zapaljenje i prodiranje (ISO 11810-1:2005)
- EN ISO 11810-2:2009 en  
Lasers and laser-related equipment – Test method and classification for the laser-resistance of surgical drapes and/or patient-protective covers – Part 2: Secondary ignition (ISO 11810-2:2007)  
Laseri i pridružena oprema – Metode ispitivanja i razredba otpornosti kirurških zastora i/ili zaštitnih pokrivala za pacijente na lasersko zračenje – 2. dio: Sekundarno zapaljenje (ISO 11810-2:2007)
- EN ISO 11979-4:2008 en  
Ophthalmic implants – Intraocular lenses – Part 4: Labelling and information (ISO 11979-4:2008)  
Oftalmološki implantanti – Intraokularne leće – 4. dio: Označavanje i informacije (ISO 11979-4:2008)
- EN ISO 11980:2009 en  
Ophthalmic optics – Contact lenses and contact lens care products – Guidance for clinical investigations (ISO 11980:2009)  
Oftalmološka optika – Kontakte leće i proizvodi za njegu kontaktnih leća – Smjernice za klinička istraživanja (ISO 11980:2009)
- EN ISO 11981:2009 en  
Ophthalmic optics – Contact lenses and contact lens care products – Determination of physical compatibility of contact lens care products with contact lenses (ISO 11981:2009)
- Oftalmološka optika – Kontaktne leće i proizvodi za njegu kontaktnih leća – Utvrđivanje fizikalne usklađenosti proizvoda za održavanje kontaktnih leća s kontaktnim lećama (ISO 11981:2009)
- EN ISO 12866:1999/A1:2008 en  
Ophthalmic instruments – Perimeters – Amendment 1 (ISO 12866:1999/Amd 1:2008)  
Oftalmološki instrumenti – Perimetri (ISO 12866:1999/Amd 1:2008)
- EN ISO 12870:2009 en  
Ophthalmic optics – Spectacle frames – Requirements and test methods (ISO 12870:2004)  
Oftalmološka optika – Okviri za naočale – Zahtjevi i metode ispitivanja (ISO 12870:2004)
- prEN ISO 12870 en  
Ophthalmic optics – Spectacle frames – Requirements and test methods (ISO/DIS 12870:2010)
- EN ISO 14534:2009 en  
Ophthalmic optics – Contact lenses and contact lens care products – Fundamental requirements (ISO 14534:2002)  
Oftalmološka optika – Kontaktne leće i proizvodi za njegu kontaktnih leća – Osnovni zahtjevi (ISO 14534:2002)
- EN ISO 14889:2009 en  
Ophthalmic optics – Spectacle lenses – Fundamental requirements for uncut finished lenses (ISO 14889:2003)  
Oftalmološka optika – Naočalne leće – Osnovni zahtjevi za neoblikovane gotove leće (ISO 14889:2003)
- EN ISO 15004-1:2009 en  
Ophthalmic instruments – Fundamental requirements and test methods – Part 1: General requirements applicable to all ophthalmic instruments (ISO 15004-1:2006)  
Oftalmološki instrumenti – Osnovni zahtjevi i metode ispitivanja – 1. dio: Opći zahtjevi primijenjeni za sve oftalmološke instrumente (ISO 15004-1:2006)
- EN ISO 15254:2009 en  
Ophthalmic optics and instruments – Electro-optical devices for enhancing low vision (ISO 15254:2009)  
Oftalmološka optika i instrumenti – Elektro-optička sredstva za pojačavanje slabog vida (ISO 15254:2009)
- EN ISO 15752:2010 en  
Ophthalmic instruments – Endoilluminators – Fundamental requirements and test methods for optical radiation safety (ISO 15752:2010)  
Oftalmološki instrumenti – Izvori svjetla za endoskopiju – Osnovni zahtjevi i metode ispitivanja za zaštitu od optičkog zračenja (ISO 15752:2010)
- EN ISO 15798:2010 en  
Ophthalmic implants – Ophthalmic viscosurgical devices (ISO 15798:2010)  
Oftalmološki implantanti – Oftalmološka viskoznokirurška sredstva (ISO 15798:2010)
- FprEN 16128 en  
Reference test method for release of nickel from those parts of spectacle frames and sunglasses intended to come into close and prolonged contact with the skin
- EN ISO 18369-1:2006/A1:2009 en  
Ophthalmic optics – Contact lenses – Part 1: Vocabulary, classification system and recommendations for labelling specifications – Amendment 1 (ISO 18369-1:2006/Amd 1:2009)  
Oftalmološka optika – Kontaktne leće – 1. dio: Terminološki rječnik, razredbeni sustav i preporuke za označavanje specifikacija (ISO 18369-1:2006/Amd 1:2009)
- EN ISO 21987:2009 en  
Ophthalmic optics – Mounted spectacle lenses (ISO 21987:2009)  
Oftalmološka optika – Ugrađene naočalne leće (ISO 21987:2009)
- EN ISO 24157:2008 en  
Ophthalmic optics and instruments – Reporting aberrations of the human eye (ISO 24157:2008)  
Oftalmološka optika i instrumenti – Izvješćavanje o optičkoj aberaciji ljudskog oka (ISO 24157:2008)

## **HZN/TO 176, Upravljanje kvalitetom i osiguravanje kvalitete**

- prEN ISO 19011 en  
Guidelines for auditing management systems (ISO/DIS 19011:2010)

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

- prEN 81-22 en  
Safety rules for the construction and installation of lifts – Lifts for transport of persons and goods – Part 22: Electric lifts with inclined path

## **HZN/TO 179, Zidane konstrukcije**

- FprEN 772-1 en  
Methods of test for masonry units – Part 1: Determination of compressive strength
- FprEN 772-11 en  
Methods of test for masonry units – Part 11: Determination of water absorption of aggregate concrete, autoclaved aerated concrete, manufactured stone and natural stone masonry units due to capillary action and the initial rate of water absorption of clay masonry units
- FprEN 772-16 en  
Methods of test for masonry units – Part 16: Determination of dimensions
- FprEN 772-18 en  
Methods of test for masonry units – Part 18: Determination of freeze-thaw resistance of calcium silicate masonry units
- FprEN 772-21 en  
Methods of test for masonry units – Part 21: Determination of water absorption of clay and calcium silicate masonry units by cold water absorption
- prEN 1745 en  
Masonry and masonry products – Methods for determining thermal properties

## **HZN/TO 181, Sigurnost igračkaka i proizvodi za djecu**

- EN 71-1:2005+A9:2009 en  
Safety of toys – Part 1: Mechanical and physical properties  
Sigurnost igračkaka – 1. dio: Mehanička i fizikalna svojstva
- EN 71-1:2005/FprA14 en  
Safety of toys – Part 1: Mechanical and physical properties
- prEN 71-2 en  
Safety of toys – Part 2: Flammability
- EN 71-4:2009 en  
Safety of toys – Part 4: Experimental sets for chemistry and related activities  
Sigurnost igračkaka – 4. dio: Eksperimentalna oprema za kemiju i srodne aktivnosti
- EN 71-5:1993/A2:2009 en  
Safety of toys – Part 5: Chemical toys (sets) other than experimental sets  
Sigurnost igračkaka – 5. dio: Kemijske igračke (oprema) koje se ne ubrajaju u eksperimentalnu opremu
- EN 71-8:2003+A4:2009 en  
Safety of toys – Part 8: Swings, slides and similar activity toys for indoor and outdoor family domestic use  
Sigurnost igračkaka – 8. dio: Njihaljke, tobogani i igračke za slične aktivnosti za unutarnju i vanjsku uporabu u kućanstvu
- prEN 71-8 en  
Safety of toys – Part 8: Swings, slides and similar activity toys for indoor and outdoor family domestic use
- EN 12586:2007/FprA1 en  
Child use and care articles – Soother holder – Safety requirements and test methods
- EN 12790:2009 en  
Child use and care articles – Reclined cradles  
Proizvodi za dojenčad i malu djecu – Ležaljke
- prEN 16120 en  
Child use and care articles – Chair mounted seat

## **HZN/TO 196, Prirodni kamen**

- FprEN 16140 en  
Natural stone test methods – Determination of sensitivity to changes in appearance produced by thermal cycles

## **HZN/TO 215, Medicinska informatika**

- prEN ISO 27953-1 en  
Health informatics – Individual case safety reports (ICSRs) in pharmacovigilance – Part 1: The framework for adverse event reporting (ISO/DIS 27953-1:2010)

- prEN ISO 27953-2 en  
Health informatics – Individual case safety reports (ICSRs) in pharmacovigilance – Part 2: Human pharmaceutical reporting requirements for ICSR (ISO/DIS 27953-2:2010)

## **HZN/TO 217, Kozmetika**

- prEN ISO 24443 en  
Determination of sunscreen UVA photoprotection in vitro (ISO/DIS 24443:2010)
- FprEN ISO 29621 en  
Cosmetics – Microbiology – Guidelines for the risk assessment and identification of microbiologically low-risk products (ISO 29621:2010)

## **HZN/TO 218, Drvo**

- EN 46-1:2009 en  
Wood preservatives – Determination of the preventive action against recently hatched larvae of *Hylotrupes bajulus* (Linnaeus) – Part 1: Application by surface treatment (laboratory method)  
Sredstva za zaštitu drva – Određivanje preventivnih postupaka protiv tek izlegnutih ličinki kornjaša kućne strizibube (*H. Bajulus*, L.) – 1. dio: Primjena površinskog tretiranja (laboratorijska metoda)
- EN 46-2:2009 en  
Wood preservatives – Determination of the preventive action against recently hatched larvae of *Hylotrupes bajulus* (Linnaeus) – Part 2: Ovicidal effect (laboratory method)  
Sredstva za zaštitu drva – Određivanje preventivnih postupaka protiv tek izlegnutih ličinki kornjaša kućne strizibube (*H. Bajulus*, L.) – 2. dio: Ovicidalni učinak (laboratorijska metoda)
- EN 1014-1:2010 en  
Wood preservatives – Creosote and creosoted timber – Methods of sampling and analysis – Part 1: Procedure for sampling creosote  
Sredstva za zaštitu drva – Kreozotno ulje i drvo zaštićeno kreozotnim uljem – Metode uzorkovanja i analize – 1. dio: Postupak uzorkovanja kreozotnog ulja
- EN 1014-2:2010 en  
Wood preservatives – Creosote and creosoted timber – Methods of sampling and analysis – Part 2: Procedure for obtaining a sample of creosote from creosoted timber for subsequent analysis  
Sredstva za zaštitu drva – Kreozotno ulje i drvo zaštićeno kreozotnim uljem – Metode uzorkovanja i analize – 2. dio: Postupak dobivanja uzorka kreozotnog ulja iz kreozotom zaštićenog drva za naknadne analize
- EN 1014-3:2010 en  
Wood preservatives – Creosote and creosoted timber – Methods of sampling and analysis – Part 3: Determination of the benzo(a)pyrene content of creosote  
Sredstva za zaštitu drva – Kreozotno ulje i drvo zaštićeno kreozotnim uljem – Metode uzorkovanja i analize – 3. dio: Utvrđivanje udjela benzo(a)pirena u kreozotnom ulju
- EN 1014-4:2010 en  
Wood preservatives – Creosote and creosoted timber – Methods of sampling and analysis – Part 4: Determination of the water-extractable phenols content of creosote  
Sredstva za zaštitu drva – Kreozotno ulje i drvo zaštićeno kreozotnim uljem – Metode uzorkovanja i analize – 4. dio: Utvrđivanje udjela voduotopivih fenola u kreozotnom ulju
- EN 1313-1:2010 en  
Round and sawn timber – Permitted deviations and preferred sizes – Part 1: Softwood sawn timber  
Oblo i piljeno drvo – Dopuštena odstupanja i preporučene veličine – 1. dio: Piljeno drvo četinjača
- EN 1315:2010 en  
Dimensional classification of round timber  
Razredba dimenzija oblog drva
- EN 1533:2010 en  
Wood flooring – Determination of bending strength under static load – Test methods  
Drveni podovi – Određivanje čvrstoće na savijanje pod statičkim opterećenjem – Postupci ispitivanja
- EN 12490:2010 en  
Durability of wood and wood-based products – Preservative-treated solid wood – Determination of the penetration and retention of creosote in treated wood  
Trajnost drva i proizvoda od drva – Zaštićeno cjelovito drvo – Određivanje penetracije i retencije kreozotnog ulja u tretiranom drvu

- CEN/TS 13307-2:2009 en  
Laminated and finger jointed timber blanks and semi-finished profiles for non-structural uses – Part 2: Production control  
Zazori kod laminiranih i zupčasto spojenih i poluobrađenih profila, za nestrukturnu primjenu – 2. dio: Kontrola proizvodnje
- CEN/TS 14464:2010 en  
Sawn timber – Method for assessment of case-hardening  
Piljeno drvo – Metoda ocjenjivanja piljenica s otvrdnutom površinom

### **HZN/TO 219, Podne obloge**

- FprEN 548 en  
Resilient floor coverings – Specification for plain and decorative linoleum
- FprEN 649 en  
Resilient floor coverings – Homogenous and heterogenous polyvinyl chloride floor coverings – Specification
- FprEN 650 en  
Resilient floor coverings – Polyvinyl chloride floor coverings on jute backing or on polyester felt backing or on polyester felt with polyvinyl chloride backing – Specification
- FprEN 651 en  
Resilient floor coverings – Polyvinyl chloride floor coverings with foam layer – Specification
- FprEN 652 en  
Resilient floor coverings – Polyvinyl chloride floor coverings with cork-based backing – Specification
- EN 1816:2010 en  
Resilient floor coverings – Specification for homogeneous and heterogeneous smooth rubber floor coverings with foam backing  
Elastične podne obloge – Specifikacija za homogene i heterogene podne obloge od glatke gume s pjenastom podlogom
- EN 1817:2010 en  
Resilient floor coverings – Specification for homogeneous and heterogeneous smooth rubber floor coverings  
Elastične podne obloge – Specifikacija za homogene i heterogene podne obloge od glatke gume
- EN 12199:2010 en  
Resilient floor coverings – Specifications for homogeneous and heterogeneous relief rubber floor coverings  
Elastične podne obloge – Specifikacija za homogene i heterogene podne obloge od reljefne gume

### **HZN/TO 502, Plinski uređaji**

- EN 125:2010 en  
Flame supervision devices for gas burning appliances – Thermoelectric flame supervision devices  
Naprave za nadzor plamena za plinske aparate – Termoelektrični osigurači paljenja
- FprEN 161 en  
Automatic shut-off valves for gas burners and gas appliances
- EN 257:2010 en  
Mechanical thermostats for gas-burning appliances  
Mehanički termostati za plinske aparate
- prEN 417 en  
Non-refillable metallic gas cartridges for liquefied petroleum gases, with or without a valve, for use with portable appliances – Construction, inspection, testing and marking
- EN 621:2009 en  
Non-domestic gas-fired forced convection air heaters for space heating not exceeding a net heat input of 300 kW, without a fan to assist transportation of combustion air and/or combustion products
- EN 778:2009 en  
Domestic gas-fired forced convection air heaters for space heating not exceeding a net heat input of 70 kW, without a fan to assist transportation of combustion air and/or combustion products
- EN 1020:2009 en  
Non-domestic forced convection gas-fired air heaters for space heating not exceeding a net heat input of 300 kW incorporating a fan to assist transportation of combustion air or combustion products  
Nekućanski plinski generatori toplog zraka s prisilnom konvekcijom za grijanje prostora s nazivnim toplinskim opterećenjem jednakim ili manjim od 300 kW, s ventilatorom u dovodu zraka za izgaranje i/ili u odvodu dimnih plinova

- EN 1106:2010 en  
Manually operated taps for gas burning appliances  
Ručni regulacijski pipci za plinske uređaje
- EN 1319:2009 en  
Domestic gas-fired forced convection air heaters for space heating, with fan-assisted burners not exceeding a net heat input of 70 kW
- EN 1854:2010 en  
Pressure sensing devices for gas burners and gas burning appliances  
Naprave za nadzor (ograničenje) tlaka za plinske plamenike i plinske aparate
- EN 12864:2001/A3:2009 en  
Low-pressure, non adjustable regulators having a maximum outlet pressure of less than or equal to 200 mbar, with a capacity of less than or equal to 4 kg/h, and their associated safety devices for butane, propane or their mixtures
- FprEN 15502-1 en  
Gas-fired heating boilers – Part 1: General requirements and tests
- prEN 15502-2-1 en  
Gas-fired heating boilers – Part 2-1: Specific standard for type C appliances and type B2, B3 and B5 appliances of a nominal heat input not exceeding 1000 kW

### **HZN/TO 503, Metalni materijali**

- EN ISO 204:2009 en  
Metallic materials – Uniaxial creep testing in tension – Method of test (ISO 204:2009)  
Metalni materijali – Jednoosno ispitivanje puzanja pri vlačnome naprezanju – Metoda ispitivanja (ISO 204:2009)
- EN 486:2009 en  
Aluminium and aluminium alloys – Extrusion ingots – Specifications  
Aluminij i aluminijeve legure – Ingoti namijenjeni prešanju – Specifikacije
- EN 487:2009 en  
Aluminium and aluminium alloys – Rolling ingots – Specifications  
Aluminij i aluminijeve legure – Ingoti namijenjeni valjanju – Specifikacije
- EN 723:2009 en  
Copper and copper alloys – Combustion method for determination of the carbon content on the inner surface of copper tubes or fittings  
Bakar i legure bakra – Određivanje sadržaja ugljika na unutrašnjoj površini bakrenih cijevi ili spojnica metodom spaljivanja
- prEN 1172 en  
Copper and copper alloys – Sheet and strip for building purposes  
Bakar i legure bakra – Limovi i trake za primjenu u građevinarstvu
- FprEN ISO 2106 en  
Anodizing of aluminium and its alloys – Determination of mass per unit area (surface density) of anodic oxidation coatings – Gravimetric method (ISO/FDIS 2106:2010)  
Anodizacija aluminija i aluminijevih legura – Određivanje mase po jedinici površine (površinska gustoća) prevlaka dobivenih anodnom oksidacijom – Gravimetrijska metoda (ISO/FDIS 2106:2010)
- EN ISO 2128:2010 en  
Anodizing of aluminium and its alloys – Determination of thickness of anodic oxidation coatings – Non-destructive measurement by split-beam microscope (ISO 2128:2010)  
Anodizacija aluminija i njegovih legura – Određivanje debljine prevlaka dobivenih anodnom oksidacijom – Nerazorno mjerenje mikroskopom s razdijeljenom zrakom (ISO 2128:2010)
- EN ISO 2143:2010 en  
Anodizing of aluminium and its alloys – Estimation of loss of absorptive power of anodic oxidation coatings after sealing – Dye-spot test with prior acid treatment (ISO 2143:2010)  
Anodna obrada aluminija i aluminijevih legura – Procjena gubitka apsorpcijske sposobnosti prevlaka anodnom oksidacijom nakon brtvljenja – Točkasto ispitivanje prije obrade kiselinom (ISO 2143:2010)
- EN ISO 2931:2010 en  
Anodizing of aluminium and its alloys – Assessment of quality of sealed anodic oxidation coatings by measurement of admittance (ISO 2931:2010)



- Anodna obrada aluminija i aluminijevih legura – Ocjenjivanje kvalitete zapunjenih prevlaka anodnom oksidacijom mjerenjem prijemljivosti (ISO 2931:2010)
- EN ISO 3210:2010 en  
Anodizing of aluminium and its alloys – Assessment of quality of sealed anodic oxidation coatings by measurement of the loss of mass after immersion in phosphoric acid/chromic acid solution (ISO 3210:2010)  
Anodna obrada aluminija i aluminijevih legura – Ocjenjivanje kvalitete zapunjenih prevlaka anodnom oksidacijom mjerenjem gubitka mase nakon uranjanja u otopinu fosforne kiseline/kromne kiseline (ISO 3210:2010)
- EN ISO 3211:2010 en  
Anodizing of aluminium and its alloys – Assessment of resistance of anodic oxidation coatings to cracking by deformation (ISO 3211:2010)  
Anodizacija aluminija i njegovih legura – Ocjenjivanje otpornosti prevlaka dobivenih anodnom oksidacijom na nastajanje pukotina pri deformiranju (ISO 3211:2010)
- EN ISO 6581:2010 en  
Anodizing of aluminium and its alloys – Determination of the comparative fastness to ultraviolet light and heat of coloured anodic oxidation coatings (ISO 6581:2010)  
Anodizacija aluminija i aluminijevih legura – Određivanje usporedne postojanosti obojanih prevlaka, dobivenih anodnom oksidacijom, na ultraljubičastu svjetlost i toplinu (ISO 6581:2010)
- EN ISO 6892-1:2009 en  
Metallic materials – Tensile testing – Part 1: Method of test at room temperature (ISO 6892-1:2009)  
Metalni materijali – Ispitivanje vlačne čvrstoće – 1. dio: Metoda ispitivanja pri sobnoj temperaturi (ISO 6892-1:2009)
- EN ISO 7599:2010 en  
Anodizing of aluminium and its alloys – General specifications for anodic oxidation coatings on aluminium (ISO 7599:2010)  
Anodna obrada aluminija i aluminijevih legura – Opće specifikacije za prevlake anodnom oksidacijom na aluminiju (ISO 7599:2010)
- EN ISO 7759:2010 en  
Anodizing of aluminium and its alloys – Measurement of reflectance characteristics of aluminium surfaces using a goniophotometer or an abridged goniophotometer (ISO 7759:2010)  
Anodizacija aluminija i njegovih legura – Mjerenje refleksijskih svojstava aluminijevih površina preciznim goniometrom ili pojednostavljenim goniometrom (ISO 7759:2010)
- FprEN ISO 8994 en  
Anodizing of aluminium and its alloys – Rating system for the evaluation of pitting corrosion – Grid method (ISO/FDIS 8994:2010)  
Anodna obrada aluminija i aluminijevih legura – Sustav ocjenjivanja za vrednovanje rupičaste korozije – Metoda iscrtavanjem mreže (ISO/FDIS 8994:2010)
- EN 10025-6:2004+A1:2009 en  
Hot rolled products of structural steels – Part 6: Technical delivery conditions for flat products of high yield strength structural steels in the quenched and tempered condition  
Toplo valjani proizvodi od konstrukcijskih čelika – 6. dio: Tehnički uvjeti isporuke za plosnate proizvode od konstrukcijskih čelika s visokom granicom razvlačenja u poboljšanom stanju
- EN 10028-1:2007+A1:2009+AC:2009 en  
Flat products made of steels for pressure purposes – Part 1: General requirements  
Plosnati proizvodi od čelika za tlačne namjene – 1. dio: Opći zahtjevi
- EN 10028-2:2009 en  
Flat products made of steels for pressure purposes – Part 2: Non-alloy and alloy steels with specified elevated temperature properties  
Plosnati proizvodi od čelika za tlačne namjene – 2. dio: Nelegirani i legirani čelici s utvrđenim svojstvima pri povišenoj temperaturi
- EN 10028-3:2009 en  
Flat products made of steels for pressure purposes – Part 3: Weldable fine grain steels, normalized  
Plosnati proizvodi od čelika za tlačne namjene – 3. dio: Zavarljivi sitnozrnati čelici, normalizacijski žareni
- EN 10028-4:2009 en  
Flat products made of steels for pressure purposes – Part 4: Nickel alloy steels with specified low temperature properties  
Plosnati proizvodi od čelika za tlačne namjene – 4. dio: Čelici legirani niklom s utvrđenim svojstvima pri niskim temperaturama
- EN 10028-5:2009 en  
Flat products made of steels for pressure purposes – Part 5: Weldable fine grain steels, thermomechanically rolled  
Plosnati proizvodi od čelika za tlačne namjene – 5. dio: Zavarljivi, sitnozrnati čelici, termomehanički valjani
- EN 10028-6:2009 en  
Flat products made of steels for pressure purposes – Part 6: Weldable fine grain steels, quenched and tempered  
Plosnati proizvodi od čelika za tlačne namjene – 6. dio: Zavarljivi, poboljšani, sitnozrnati čelici
- prEN 10209 en  
Cold rolled low carbon steel flat products for vitreous enamelling – Technical delivery conditions  
Hladno valjani čelični plosnati proizvodi od niskougličnog čelika za staklasto emajliranje – Tehnički uvjeti isporuke
- EN 10225:2009 en  
Weldable structural steels for fixed offshore structures – Technical delivery conditions  
Zavarljivi konstrukcijski čelici za nepomične odobalne konstrukcije – Tehnički uvjeti isporuke
- EN 10238:2009 en  
Automatically blast-cleaned and automatically prefabrication primed structural steel products  
Automatsko čišćenje mlazom i automatska predobrada zaštitnom prevlakom proizvoda od konstrukcijskog čelika
- EN 10244-1:2009 en  
Steel wire and wire products – Non-ferrous metallic coatings on steel wire – Part 1: General principles  
Čelična žica i žičani proizvodi – Neželjezne metalne prevlake na čeličnim žicama – 1. dio: Osnovna načela
- EN 10244-2:2009 en  
Steel wire and wire products – Non-ferrous metallic coatings on steel wire – Part 2: Zinc or zinc alloy coatings  
Čelična žica i žičani proizvodi – Neželjezne metalne prevlake na čeličnim žicama – 2. dio: Prevlake od cinka i cinkovih legura
- FprEN 10305-4 en  
Steel tubes for precision applications – Technical delivery conditions – Part 4: Seamless cold drawn tubes for hydraulic and pneumatic power systems  
Precizne čelične cijevi – Tehnički uvjeti isporuke – 4. dio: Bešavne hladno vučene cijevi za hidraulične i pneumatske energetske sustave
- prEN 12258-1 en  
Aluminium and aluminium alloys – Terms and definitions – Part 1: General terms
- prEN 12451 en  
Copper and copper alloys – Seamless, round tubes for heat exchangers
- FprEN ISO 12737 en  
Metallic materials – Determination of plane-strain fracture toughness (ISO/FDIS 12737:2010)  
Metalni materijali – Određivanje lomne žilavosti pri ravninskom stanju deformacije (ISO/FDIS 12737:2010)
- prEN 15022-4 en  
Copper and copper alloys – Determination of tin content – Part 4: Medium tin content – Flame atomic absorption spectrometric method (FAAS)  
Bakar i legure bakra – Određivanje udjela kositra – 4. dio: Srednji udio kositra – Metoda plamene atomske apsorpcijske spektrometrije (FAAS)
- FprCEN/TS 15916-1 en  
Copper and copper alloys – Determination of tellurium content – Part 1: Low tellurium content – Flame atomic absorption spectrometric method (FAAS)  
Bakar i legure bakra – Određivanje sadržaja telura – 1. dio: Nizak sadržaj telura – Metoda plamene atomske apsorpcijske spektrometrije (FAAS)
- prEN 16117-1 en  
Copper and copper alloys – Determination of copper content – Part 1: Electrolytic determination of copper in materials with copper content less than 99,85 %  
Bakar i legure bakra – Određivanje udjela bakra – 1. dio: Elektrolitičko određivanje bakra u materijalima s udjelom bakra manjim od 99,85 %

FprEN ISO 19879 en  
Metallic tube connections for fluid power and general use  
– Test methods for hydraulic fluid power connections  
(ISO/FDIS 19879:2010)  
Metalni cijevni priključci za hidrauliku i opću uporabu – Metode  
ispitivanja za hidraulične priključke (ISO/FDIS 19879:2010)

### **HZN/TO 504, Korozija i zaštita metala i legura**

EN ISO 11130:2010 en  
Corrosion of metals and alloys – Alternate immersion test in  
salt solution (ISO 11130:2010)  
Korozija metala i legura – Ispitivanje izmjeničnim uranjanjem  
u otopinu soli (ISO 11130:2010)

FprEN ISO 28762 en  
Vitreous and porcelain enamels – Enamel coatings applied  
to steel for writing surfaces – Specification  
(ISO/FDIS 28762:2010)  
Staklasti i porculanski emajli – Prevlake emajla nanosene na  
čelične površine za pisanje – Specifikacija  
(ISO/FDIS 28762:2010)

### **HZN/TO 505, Prijenos i distribucija plina**

EN 334:2005+A1:2009 en  
Gas pressure regulators for inlet pressures up to 100 bar

EN 1474-1:2008 en  
Installation and equipment for liquefied natural gas – Design  
and testing of marine transfer systems – Part 1: Design and  
testing of transfer arms

EN 1474-2:2008 en  
Installation and equipment for liquefied natural gas – Design  
and testing of marine transfer systems – Part 2: Design and  
testing of transfer hoses

EN 1474-3:2008 en  
Installation and equipment for liquefied natural gas – Design  
and testing of marine transfer systems – Part 3: Offshore  
transfer systems

EN 1594:2009 en  
Gas supply systems – Pipelines for maximum operating  
pressure over 16 bar – Functional requirements

EN 14382:2005+A1:2009+AC:2009 en  
Safety devices for gas pressure regulating stations and  
installations – Gas safety shut-off devices for inlet pressures  
up to 100 bar

EN 15001-1:2009 en  
Gas Infrastructure – Gas installation pipework with an  
operating pressure greater than 0,5 bar for industrial  
installations and greater than 5 bar for industrial and  
non-industrial installations – Part 1: Detailed functional  
requirements for design, materials, construction, inspection  
and testing

EN 15001-2:2008 en  
Gas infrastructure – Gas installation pipework with an operating  
pressure greater than 0,5 bar for industrial installations and  
greater than 5 bar for industrial and non-industrial installations  
– Part 2: Detailed functional requirements for commissioning,  
operation and maintenance

CEN/TS 15173:2006 en  
Gas supply systems – Frame of reference regarding Pipeline  
Integrity Management System (PIMS)

CEN/TS 15174:2006 en  
Gas supply systems – Guideline for safety management  
systems for natural gas transmission pipelines

CEN/TS 15399:2007 en  
Gas Supply Systems – Guidelines for Management systems  
for Gas Distribution Network

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

FprEN ISO 6145-5 en  
Gas analysis – Preparation of calibration gas mixtures using  
dynamic volumetric methods – Part 5: Capillary calibration  
devices (ISO 6145-5:2009)

FprEN ISO 6145-7 en  
Gas analysis – Preparation of calibration gas mixtures using  
dynamic volumetric methods – Part 7: Thermal mass-flow  
controllers (ISO 6145-7:2009)

FprEN ISO 6145-9 en  
Gas analysis – Preparation of calibration gas mixtures using  
dynamic volumetric methods – Part 9: Saturation method  
(ISO 6145-9:2009)

EN ISO 10416:2009 en  
Petroleum and natural gas industries – Drilling fluids –  
Laboratory testing (ISO 10416:2008)

EN ISO 10423:2009 en  
Petroleum and natural gas industries – Drilling and production  
equipment – Wellhead and christmas tree equipment  
(ISO 10423:2009)  
Industrija nafte i prirodnog plina – Oprema za bušenje i  
proizvodnju – Oprema za bušotinske glave i erupcijske  
uređaje (ISO 10423:2009)

EN ISO 10426-1:2009 en  
Petroleum and natural gas industries – Cements and  
materials for well cementing – Part 1: Specification  
(ISO 10426-1:2009)  
Industrija nafte i prirodnog plina – Cementi i materijali za  
cementaciju bušotina – 1. dio: Specifikacija  
(ISO 10426-1:2009)

prEN ISO 12211 en  
Petroleum, petrochemical and natural gas industries – Spiral  
plate heat exchangers (ISO/DIS 12211:2010)

EN ISO 13503-2:2006/A1:2009 en  
Petroleum and natural gas industries – Completion fluids and  
materials – Part 2: Measurement of properties of proppants  
used in hydraulic fracturing and gravel-packing operations  
– Amendment 1: Addition of Annex B: Proppand specification  
(ISO 13503-2:2006/Amd 1:2009)

EN ISO 13624-1:2009 en  
Petroleum and natural gas industries – Drilling and production  
equipment – Part 1: Design and operation of marine drilling  
riser equipment (ISO 13624-1:2009)

EN ISO 13628-5:2009 en  
Petroleum and natural gas industries – Design and operation  
of subsea production systems – Part 5: Subsea umbilicals  
(ISO 13628-5:2009)  
Industrija nafte i prirodnog plina – Projektiranje i rad  
podmorskih proizvodnih sustava – 5. dio: Podmorski vodovi  
(ISO 13628-5:2009)

EN ISO 13678:2009 en  
Petroleum and natural gas industries – Evaluation and  
testing of thread compounds for use with casing, tubing, line  
pipe and drill stem elements (ISO 13678:2009)  
Industrija nafte i prirodnog plina – Utvrđivanje vrijednosti  
i ispitivanja masti za podmazivanje navoja na zaštitnim  
cijevima, uzlaznim cijevima i cjevovodima (ISO 13678:2009)

prEN ISO 13679 en  
Petroleum and natural gas industries – Procedures for testing  
casing and tubing connections (ISO/DIS 13679:2010)

EN ISO 13709:2009 en  
CENTrifugal pumps for petroleum, petrochemical and natural  
gas industries (ISO 13709:2009)  
Industriju nafte, petrokemije i prirodnog plina – Centrifugalne  
pumpe za industriju nafte, petrokemije i prirodnog plina  
(ISO 13709:2009)

EN ISO 15544:2010 en  
Petroleum and natural gas industries – Offshore production  
installations – Requirements and guidelines for emergency  
response (ISO 15544:2000+Amd 1:2009)  
Industrija nafte i prirodnog plina – Odobalna proizvodna  
postrojenja – Zahtjevi i smjernice interventnih mjera  
(ISO 15544:2000+Amd 1:2009)

EN ISO 17078-1:2004/A1:2010 en  
Petroleum and natural gas industries – Drilling and production  
equipment – Part 1: Side-pocket mandrels – Amendment 1  
(ISO 17078-1:2004/Amd 1:2010)  
Industrija nafte i prirodnog plina – Oprema za bušenje i  
proizvodnju – 1. dio: Bočna vretena – Amandman 1  
(ISO 17078-1:2004/Amd 1:2010)

EN ISO 17078-3:2009 en  
Petroleum and natural gas industries – Drilling and production  
equipment – Part 3: Running tools, pulling tools and kick-  
over tools and latches for side-pocket mandrels  
(ISO 17078-3:2009)

EN ISO 17078-4:2010 en  
Petroleum and natural gas industries – Drilling and production  
equipment – Part 4: Practices for side-pocket mandrels and  
related equipment (ISO 17078-4:2010)

- EN ISO 19901-6:2009 en  
Petroleum and natural gas industries — Specific requirements for offshore structures — Part 6: Marine operations (ISO 19901-6:2009)
- prEN ISO 20312 en  
Petroleum and natural gas industries — Design and operating limits of drill strings with aluminium alloy components (ISO/DIS 20312:2010)
- EN ISO 20815:2010 en  
Petroleum, petrochemical and natural gas industries — Production assurance and reliability management (ISO 20815:2008, Corrected version 2009-06-15)  
Industrija nafte, petrokemije i prirodnog plina — Osiguranje proizvodnje i upravljanje pouzdanošću (ISO 20815:2008, Korigirana verzija 2009-06-15)
- EN ISO 23936-1:2009 en  
Petroleum, petrochemical and natural gas industries — Non-metallic materials in contact with media related to oil and gas production — Part 1: Thermoplastics (ISO 23936-1:2009)

### **HZN/TO 508, Ambalaža i pakiranje**

- EN ISO 445:2009 en  
Pallets for materials handling — Vocabulary (ISO 445:2008)  
Palete za rukovanje materijalima — Terminološki rječnik (ISO 445:2008)
- EN 13029:2009 en  
Packaging — Light-gauge metal packaging — Apertures for pack-in plastic closures  
Ambalaža — Tankostijena metalna ambalaža — Otvori za utične plastične čepove

### **HZN/TO 509, Cestovna oprema**

- prEN 1317-8 en  
Road restraint systems — Part 8: Motorcycle road restraint systems which reduce the impact severity of motorcyclist collisions with safety barriers
- prEN 1793-1 en  
Road traffic noise reducing devices — Test method for determining the acoustic performance — Part 1: Intrinsic characteristics of sound absorption
- prEN 1793-2 en  
Road traffic noise reducing devices — Test method for determining the acoustic performance — Part 2: Intrinsic characteristics of airborne sound insulation under diffuse sound field conditions
- prEN 1793-6 en  
Road traffic noise reducing devices — Test method for determining the acoustic performance — Part 6: Intrinsic characteristics — In situ values of airborne sound insulation under direct sound field conditions
- prEN 14388 en  
Road traffic noise reducing devices — Specifications

### **HZN/TO 513/PO 4, Mjerne jedinice i mjerila; Mjerila toplinske energije, termometri**

- prEN 834 en  
Heat cost allocators for the determination of the consumption of room heating radiators — Appliances with electrical energy supply

### **HZN/TO 513/PO 5, Mjerne jedinice i mjerila; Mjerne jedinice**

- ISO 80000-1:2009 en  
Quantities and units — Part 1: General  
Veličine i jedinice — 1. dio: Općenito
- ISO 80000-2:2009 en  
Quantities and units — Part 2: Mathematical signs and symbols to be used in the natural sciences and technology  
Veličine i jedinice — 2. dio: Matematički znakovi i simboli za korištenje u prirodnim znanostima i tehnologiji
- ISO 80000-7:2008 en  
Quantities and units — Part 7: Light  
Veličine i jedinice — 7. dio: Svjetlost
- ISO 80000-9:2009 en  
Quantities and units — Part 9: Physical chemistry and molecular physics  
Veličine i jedinice — 9. dio: Fizikalna kemija i molekularna fizika

- ISO 80000-10:2009 en  
Quantities and units — Part 10: Atomic and nuclear physics  
Veličine i jedinice — 10. dio: Atomaska i nuklearna fizika
- ISO 80000-11:2008 en  
Quantities and units — Part 11: Characteristic numbers  
Veličine i jedinice — 11. dio: Karakteristički brojevi
- ISO 80000-12:2009 en  
Quantities and units — Part 12: Solid state physics  
Veličine i jedinice — 12. dio: Fizika čvrstog stanja

### **HZN/TO 518, Podovi, stropovi i zidne obloge**

- FprEN 12859 en  
Gypsum blocks — Definitions, requirements and test methods

### **HZN/TO 522, Karakterizacija i zbrinjavanje otpada**

- FprEN 1501-1 en  
Refuse collection vehicles and their associated lifting devices — General requirements and safety requirements — Part 1: Rear loaded refuse collection vehicles
- FprEN 1501-5 en  
Refuse collection vehicles and their associated lifting devices — General requirements and safety requirements — Part 5: Lifting devices for refuse collection vehicles
- prEN ISO 5667-13 en  
Water quality — Sampling — Part 13: Guidance on sampling of sludges from sewage and water-treatment works (ISO/DIS 5667-13:2009)
- FprCEN/TS 15862 en  
Characterization of waste — Compliance leaching test — One stage batch leaching test for monoliths at fixed liquid to surface area ratio (L/A) for test portions with fixed minimum dimensions
- prEN 15875 en  
Characterization of waste — Static test for determination of acid potential of sulfidic waste
- prEN 16023 en  
Characterization of waste — Determination of calorific value
- prEN 16123 en  
Characterization of waste — Guidance on selection and application of screening methods

### **HZN/TO 524, Cestovni prijevoz i prometna telematika**

- CEN ISO/TS 12813:2009 en  
Electronic fee collection — Compliance check communication for autonomous systems (ISO/TS 12813:2009)
- prEN ISO 15006 en  
Road vehicles — Ergonomic aspects of transport information and control systems — Specifications for in-vehicle auditory presentation (ISO/DIS 15006:2010)
- EN ISO 17264:2009 en  
Intelligent transport systems — Automatic vehicle and equipment identification — Interfaces (ISO 17264:2009)
- EN ISO 24978:2009 en  
Intelligent transport systems — ITS Safety and emergency messages using any available wireless media — Data registry procedures (ISO 24978:2009)

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

- FprEN 15812 en  
Polymer modified bituminous thick coatings for waterproofing — Determination of crack bridging ability
- FprEN 15813 en  
Polymer modified bituminous thick coatings for waterproofing — Determination of flexibility at low temperatures
- FprEN 15815 en  
Polymer modified bituminous thick coatings for waterproofing — Resistance to compression
- FprEN 15816 en  
Polymer modified bituminous thick coatings for waterproofing — Resistance to rain
- FprEN 15817 en  
Polymer modified bituminous thick coatings for waterproofing — Water resistance

- FprEN 15818 en  
Polymer modified bituminous thick coatings for water proofing  
– Determination of dimensional stability at high temperature
- FprEN 15819 en  
Polymer modified bituminous thick coatings for waterproofing  
– Reduction of the thickness of the layer when fully dried
- FprEN 15820 en  
Polymer modified bituminous thick coatings for waterproofing  
– Determination of watertightness

## HZNTO 526, Bitumenska veziva

- EN 13301:2010 en  
Bitumen and bituminous binders – Determination of staining tendency of bitumen  
Bitumen i bitumenska veziva – Određivanje sklonosti bitumena izdvajanju uljnih komponenti
- EN 13302:2010 en  
Bitumen and bituminous binders – Determination of dynamic viscosity of bituminous binder using a rotating spindle apparatus  
Bitumen i bitumenska veziva – Određivanje dinamičke viskoznosti bitumenskog veziva viskozimetrom s rotirajućim vretenom
- EN 13358:2010 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
- EN 13398:2010 en  
Bitumen and bituminous binders – Determination of the elastic recovery of modified bitumen  
Bitumen i bitumenska veziva – Određivanje elastičnog povrata modificiranog bitumena
- EN 13399:2010 en  
Bitumen and bituminous binders – Determination of storage stability of modified bitumen  
Bitumen i bitumenska veziva – Određivanje stabilnosti pri skladištenju modificiranog bitumena
- EN 13587:2010 en  
Bitumen and bituminous binders – Determination of the tensile properties of bituminous binders by the tensile test method  
Bitumen i bitumenska veziva – Određivanje vlačnih svojstava bitumenskih veziva metodom rastezanja
- EN 13632:2010 en  
Bitumen and bituminous binders – Visualisation of polymer dispersion in polymer modified bitumen  
Bitumen i bitumenska veziva – Vizualno određivanje disperzije polimera u polimerome modificiranom bitumenu
- EN 13702:2010 en  
Bitumen and bituminous binders – Determination of dynamic viscosity of modified bitumen by cone and plate method  
Bitumen i bitumenska veziva – Određivanje dinamičke viskoznosti modificiranog bitumena metodom stošca i ploče
- EN 14023:2010 en  
Bitumen and bituminous binders – Specification framework for polymer modified bitumens  
Bitumen i bitumenska veziva – Okvirna specifikacija za polimerom modificirane bitumene

## HZNTO 528, Oprema za željeznice

- EN 12663-1:2010 en  
Railway applications – Structural requirements of railway vehicle bodies – Part 1: Locomotives and passenger rolling stock (and alternative method for freight wagons)  
Oprema za željeznice – Konstrukcijski zahtjevi za sanduk željezničkih vozila – 1. dio: Lokomotive i putnička željeznička vozila (i alternativna metoda za teretne vagonne)
- EN 12663-2:2010 en  
Railway applications – Structural requirements of railway vehicle bodies – Part 2: Freight wagons  
Oprema za željeznice – Konstrukcijski zahtjevi za sanduk željezničkih vozila – 2. dio: Teretni vagoni
- EN 13146-9:2009 en  
Railway applications – Track – Test methods for fastening systems – Part 9: Determination of stiffness  
Oprema za željeznice – Željeznički gornji ustroj – Metode ispitivanja za kolosiječni pričvrtni pribor – 9. dio: Određivanje krutosti

- prEN 13481-1 en  
Railway applications – Track – Performance requirements for fastening systems – Part 1: Definitions  
Oprema za željeznice – Željeznički gornji ustroj – Zahtjevi za izradbu kolosiječnog pričvrtnog pribora – 1. dio: Definicije
- prEN 13481-2 en  
Railway applications – Track – Performance requirements for fastening systems – Part 2: Fastening systems for concrete sleepers  
Oprema za željeznice – Željeznički gornji ustroj – Zahtjevi za izradbu kolosiječnoga pričvrtnog pribora – 2. dio: Kolosiječni pričvrtni pribor za betonske pragove
- prEN 13481-3 en  
Railway applications – Track – Performance requirements for fastening systems – Part 3: Fastening systems for wood sleepers  
Oprema za željeznice – Željeznički gornji ustroj – Zahtjevi za izradbu kolosiječnoga pričvrtnog pribora – 3. dio: Kolosiječni pričvrtni pribor za drvene pragove
- prEN 13481-4 en  
Railway applications – Track – Performance requirements for fastening systems – Part 4: Fastening systems for steel sleepers  
Oprema za željeznice – Željeznički gornji ustroj – Zahtjevi za izradbu kolosiječnoga pričvrtnog pribora – 4. dio: Kolosiječni pričvrtni pribor za čelične pragove
- prEN 13481-5 en  
Railway applications – Track – Performance requirements for fastening systems – Part 5: Fastening systems for slab track with rail on the surface or rail embedded in a channel  
Oprema za željeznice – Željeznički gornji ustroj – Zahtjevi za izradbu kolosiječnoga pričvrtnog pribora – 5. dio: Kolosiječni pričvrtni pribor za kolosijek na čvrstoj podlozi
- prEN 13481-7 en  
Railway applications – Track – Performance requirements for fastening systems – Part 7: Special fastening systems for switches and crossings and check rails  
Oprema za željeznice – Željeznički gornji ustroj – Zahtjevi za izradbu kolosiječnoga pričvrtnog pribora – 7. dio: Specijalni kolosiječni pričvrtni pribor za skretnice, križišta i tračnice vodilice
- EN 13674-4:2006+A1:2009 en  
Railway applications – Track – Rail – Part 4: Vignole railway rails from 27 kg/m to, but excluding 46 kg/m  
Oprema za željeznice – Željeznički gornji ustroj – Tračnica – 4. dio: Vignoleove željezničke tračnice mase od 27 kg/m do 46 kg/m, isključujući 46 kg/m
- EN 13803-2:2006+A1:2009 en  
Railway applications – Track – Track alignment design parameters – Track gauges 1435 mm and wider – Part 2: Switches and crossings and comparable alignment design situations with abrupt changes of curvature  
Oprema za željeznicu – Željeznički gornji ustroj – Parametri za projektiranje geometrije kolosijeka – Širine kolosijeka 1435 mm i više – 2. dio: Skretnice i križišta te druga slična projektna oblikovanja s naglim promjenama zakrivljenosti
- EN 14033-3:2009 en  
Railway applications – Track – Railbound construction and maintenance machines – Part 3: General safety requirements  
Oprema za željeznice – Željeznički gornji ustroj – Kolosiječni strojevi za gradnju i održavanje – 3. dio: Opći sigurnosni zahtjevi
- EN 14811:2006+A1:2009 en  
Railway applications – Track – Special purpose rail – Grooved and associated construction  
Oprema za željeznice – Željeznički gornji ustroj – Tračnice za posebne namjene – Žljebaste i pridružene konstrukcije
- EN 15273-1:2009 en  
Railway applications – Gauges – Part 1: General – Common rules for infrastructure and rolling stock  
Oprema za željeznice – Profili – 1. dio: Općenito – Zajednička pravila za infrastrukturu i željeznička vozila
- EN 15273-2:2009 en  
Railway applications – Gauges – Part 2: Rolling stock gauge  
Oprema za željeznice – Profili – 2. dio: Profil željezničkih vozila
- EN 15273-3:2009 en  
Railway applications – Gauges – Part 3: Structure gauges  
Oprema za željeznice – Profili – 3. dio: Slobodni profili

- EN 15689:2009 en  
Railway applications – Track – Switches and crossings – Crossing components made of cast austenitic manganese steel
- EN 15723:2010 en  
Railway applications – Closing and locking devices for payload protecting devices against environmental influences – Requirements for durability, operation, indication, maintenance, recycling
- prEN 16116-1 en  
Railway applications – Design requirements for steps, handrails and associated staff access – Part 1: Passenger vehicles, luggage vans and locomotives
- prEN 16116-2 en  
Railway applications – Design requirements for steps, handrails and associated staff access on freight wagons

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

- EN 617:2001/FprA1 en  
Continuous handling equipment and systems – Safety and EMC requirements for the equipment for the storage of bulk materials in silos, bunkers, bins and hoppers
- EN 618:2002/FprA1 en  
Continuous handling equipment and systems – Safety and EMC requirements for equipment for mechanical handling of bulk materials except fixed belt conveyors
- EN 620:2002/FprA1 en  
Continuous handling equipment and systems – Safety and EMC requirements for fixed belt conveyors for bulk materials
- EN 741:2000/FprA1 en  
Continuous handling equipment and systems – Safety requirements for systems and their components for pneumatic handling of bulk materials
- EN 13000:2010 en  
Cranes – Mobile cranes  
Granici – Mobilni granici
- FprEN 13001-2 en  
Crane safety – General design – Part 2: Load actions
- prEN 13001-3-1 en  
Cranes – General Design – Part 3-1: Limit States and proof competence of steel structure
- CEN/TS 13001-3-5:2010 en  
Cranes – General design – Part 3-5: Limit states and proof of competence of forged hooks  
Granici – Opće projektiranje – Dio 3-5: Granična stanja i dokaz sigurnosti kovanih kuka
- EN 13157:2004+A1:2009 en  
Cranes – Safety – Hand powered cranes  
Granici – Sigurnost – Dizalice na ručni pogon
- EN 14238:2004+A1:2009 en  
Cranes – Manually controlled load manipulating devices  
Granici – Ručno vođeni manipulatori
- EN 14492-1:2006+A1:2009+AC:2010 en  
Cranes – Power driven winches and hoists – Part 1: Power driven winches  
Granici – Vitla i dizalice na strojni pogon – 1. dio: Vitla s pogonom
- EN 14492-2:2006+A1:2009+AC:2010 en  
Cranes – Power driven winches and hoists – Part 2: Power driven hoists  
Granici – Vitla i dizalice na strojni pogon – 2. dio: Dizalice na strojni pogon
- FprEN 15011 en  
Cranes – Bridge and gantry cranes

### **HZN/TO 531, Plastika i guma**

- FprEN ISO 175 en  
Plastics – Methods of test for the determination of the effects of immersion in liquid chemicals (ISO/FDIS 175:2010)  
Plastika – Metode ispitivanja za određivanje utjecaja uranjanja u tekuće kemikalije (ISO/FDIS 175:2010)
- EN ISO 179-1:2010 en  
Plastics – Determination of Charpy impact properties – Part 1: Non-instrumented impact test (ISO 179-1:2010)  
Plastika – Određivanje svojstava žilavosti po Charpyju – 1. dio: Ispitivanje žilavosti bez instrumenata (ISO 179-1:2010)

- EN 438-9:2010 en  
High-pressure decorative laminates (HPL) – Sheets based on thermosetting resins (Usually called Laminates) – Part 9: Classification and specifications for alternative core laminates  
Visokotlačni dekorativni laminati (HPL) – Ploče na osnovi duromernih smola (uobičajenog naziva laminati) – 9. dio: Razredba i specifikacije za laminate alternativnih jezgri
- FprEN ISO 472 en  
Plastics – Vocabulary (ISO/FDIS 472:2010)  
Plastika – Terminološki rječnik (ISO/FDIS 472:2010)
- FprEN ISO 877-1 en  
Plastics – Methods of exposure to solar radiation – Part 1: General guidance (ISO 877-1:2009)  
Plastika – Metode izlaganja sunčevom zračenju – 1. dio: Opće upute (ISO 877-1:2009)
- FprEN ISO 877-2 en  
Plastics – Methods of exposure to solar radiation – Part 2: Direct weathering and exposure behind window glass (ISO 877-2:2009)  
Plastika – Metode izlaganja sunčevom zračenju – 2. dio: Izravno atmosfersko starenje i izlaganje iza prozorskog stakla (ISO 877-2:2009)
- FprEN ISO 877-3 en  
Plastics – Methods of exposure to solar radiation – Part 3: Intensified weathering using concentrated solar radiation (ISO 877-3:2009)  
Plastika – Metode izlaganja sunčevom zračenju – 3. dio: Pojačano atmosfersko starenje uporabom koncentriranog sunčevog zračenja (ISO 877-3:2009)
- prEN ISO 1622-1 en  
Plastics – Polystyrene (PS) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO/DIS 1622-1:2010)  
Plastika – Polistirenski (PS) prešani i ekstrudirani materijali – 1. dio: Sustav označavanja i osnove za specifikacije (ISO/DIS 1622-1:2010)
- EN ISO 1628-3:2010 en  
Plastics – Determination of the viscosity of polymers in dilute solution using capillary viscometers – Part 3: Polyethylenes and polypropylenes (ISO 1628-3:2010)  
Plastika – Određivanje viskoznosti razrijeđenih polimernih otopina kapilarnim viskozimetrom – 3. dio: Polietileni i polipropileni (ISO 1628-3:2010)
- EN ISO 2440:1999/A1:2010 en  
Flexible and rigid cellular polymeric materials – Accelerated ageing tests – Amendment 1 (ISO 2440:1997/Amd 1:2010)  
Savitljivi i kruti pjenasti polimerni materijali – Ispitivanje ubrzanog starenja (ISO 2440:1997/Amd 1:2010)
- EN ISO 3386-1:1997/A1:2010 en  
Polymeric materials, cellular flexible – Determination of stress-strain characteristics in compression – Part 1: Low-density materials – Amendment 1 (ISO 3386-1:1986/Amd 1:2010)  
Savitljivi pjenasti polimerni materijali – Određivanje svojstava naprezanja i deformacije pod pritiskom – 1. dio: Materijali niske gustoće (ISO 3386-1:1986/Amd 1:2010)
- EN ISO 3386-2:1998/A1:2010 en  
Flexible cellular polymeric materials – Determination of stress-strain characteristics in compression – Part 2: High-density materials – Amendment 1 (ISO 3386-2:1997/Amd 1:2010)  
Savitljivi pjenasti polimerni materijali – Određivanje svojstava naprezanja i deformacije – 2. dio: Materijali visoke gustoće (ISO 3386-2:1997/Amd 1:2010)
- EN ISO 4080:2009 en  
Rubber and plastics hoses and hose assemblies – Determination of permeability to gas (ISO 4080:2009)  
Gumena i plastična crijeva i crijevni pribori – Određivanje plinopropusnosti (ISO 4080:2009)
- EN ISO 7231:2010 en  
Polymeric materials, cellular, flexible – Determination of air flow value at constant pressure-drop (ISO 7231:2010)  
Savitljivi pjenasti polimerni materijali – Određivanje protoka zraka pri stalnom padu tlaka (ISO 7231:2010)
- prEN ISO 11833-1 en  
Plastics – Unplasticized poly(vinyl chloride) sheets – Types, dimensions and characteristics – Part 1: Sheets of thickness not less than 1 mm (ISO/DIS 11833-1:2010)  
Plastika – Neomekšane poli(vinil-kloridne) ploče – Tipovi, dimenzije i karakteristike – 1. dio: Ploče debljine veće od 1 mm (ISO/DIS 11833-1:2010)

- EN 13245-1:2010 en  
Plastics – Unplasticized poly(vinyl chloride) (PVC-U) profiles for building applications – Part 1: Designation of PVC-U profiles  
Plastika – Profili od neomekšanog poli(vinil-klorida) (PVC-U) za primjenu u građevinarstvu – 1. dio: Označivanje PVC-U profila
- EN 13245-3:2010 en  
Plastics – Unplasticized poly(vinyl chloride) (PVC-U) profiles for building applications – Part 3: Designation of PVC-UE profiles  
Plastika – Profili od neomekšanog poli(vinil-klorida) (PVC-U) za primjenu u građevinarstvu – 3. dio: Označivanje PVC-UE profila
- EN 13765:2010 en  
Thermoplastic multi-layer (non-vulcanized) hoses and hose assemblies for the transfer of hydrocarbons, solvents and chemicals – Specification  
Plastomerna višeslojna neumrežena crijeva i crijevni pribori za prijenos ugljikovodika, otapala i kemikalija – Specifikacija
- EN 13766:2010 en  
Thermoplastic multi-layer (non-vulcanized) hoses and hose assemblies for the transfer of liquid petroleum gas and liquefied natural gas – Specification  
Plastomerna, višeslojna, neumrežena crijeva i crijevni pribori za prijenos ukapljenoga naftnog plina i ukapljenoga prirodnog plina – Specifikacija
- EN 15836-1:2010 en  
Plastics – Plasticized poly(vinyl chloride) (PVC-P) membranes for inground swimming pools – Part 1: Homogenous membranes of nominal thickness equal to or greater than 0,75 mm  
Plastika – Membrane od omekšanog poli(vinil-klorida) (PVC-P) za ukopane bazene – 1. dio: Homogene membrane nominalne debljine jednake 0,75 mm ili veće
- EN 15836-2:2010 en  
Plastics – Plasticized poly(vinyl chloride) (PVC-P) membranes for inground swimming pools – Part 2: Reinforced membranes of nominal thickness equal to or greater than 1,5 mm  
Plastika – Membrane od omekšanog polivinil-klorida (PVC-P) za ukopane bazene – 2. dio: Ojačane membrane nominalne debljine jednake 1,5 mm ili veće
- EN 15860:2010 en  
Plastics – Thermoplastic semi-finished products for machining – Requirements and test methods  
Plastika – Plastomerni poluproizvodi za strojnu obradu – Zahtjevi i metode ispitivanja
- CEN/TR 15932:2010 en  
Plastics – Recommendation for terminology and characterisation of biopolymers and bioplastics  
Plastika – Preporuka za nazivlje i karakterizaciju biopolimera i bioplastike
- prEN ISO 28017 en  
Rubber hoses and hose assemblies, wire or textile reinforced, for dredging applications – Specification  
(ISO/DIS 28017:2010)  
Gumena crijeva i crijevni pribori ojačani žicom ili tekstilom za primjene u jaruženju – Specifikacija (ISO/DIS 28017:2010)

### **HZN/TO 534, Spremnici za teret**

- prEN 13012 en  
Petrol filling stations – Construction and performance of automatic nozzles for use on fuel dispensers
- prEN 13160-1 en  
Leak detection systems – Part 1: General Principles
- prEN 13160-3 en  
Leak detection systems – Part 3: Liquid systems for tanks
- prEN 13352 en  
Specification for the performance of automatic tank contents gauges
- prEN 13617-1 en  
Petrol filling stations – Part 1: Safety requirements for construction and performance of metering pumps, dispensers and remote pumping units
- prEN 13617-2 en  
Petrol filling stations – Part 2: Safety requirements for construction and performance of safe breaks for use on metering pumps and dispensers

- prEN 13617-3 en  
Petrol filling stations – Part 3: Safety requirements for construction and performance of shear valves
- prEN 13617-4 en  
Petrol filling stations – Part 4: Safety requirements for construction and performance of swivels for use on metering pumps and dispensers

### **HZN/TO 535, Agregati**

- FprEN 1097-1 en  
Tests for mechanical and physical properties of aggregates – Main element – Part 1: Determination of the resistance to wear (micro-Deval)
- prEN 1097-6 en  
Tests for mechanical and physical properties of aggregates – Part 6: Determination of particle density and water absorption
- FprEN 1367-5 en  
Tests for thermal and weathering properties of aggregates – Part 5: Determination of resistance to thermal shock
- EN 1744-1:2009 en  
Tests for chemical properties of aggregates – Part 1: Chemical analysis  
Ispitivanja kemijskih svojstava agregata – 1. dio: Kemijska analiza
- prEN 1744-7 en  
Tests for chemical properties of aggregates – Part 7: Determination of loss of ignition of Municipal Incinerator Bottom Ash (MIBA Aggregate)

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

- FprEN 410 en  
Glass in building – Determination of luminous and solar characteristics of glazing
- FprEN 673 en  
Glass in building – Determination of thermal transmittance (U value) – Calculation method
- FprEN 12758 en  
Glass in building – Glazing and airborne sound insulation – Product descriptions and determination of properties
- prEN 13126-1 en  
Building hardware – Hardware for windows and door height windows – Requirements and test methods – Part 1: Requirements common to all types of hardware
- prEN 13126-3 en  
Building hardware – Hardware for windows and door-height windows – Requirements and test methods – Part 3: Handles, primarily for Tilt and Turn, Tilt-First and Turn-Only hardware

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

- EN ISO 1302:2002/prA2 en  
Geometrical Product Specifications (GPS) – Indication of surface texture in technical product documentation – Amendment 2: Indication of material ratio requirements (ISO 1302:2002/DAM 2:2010)
- EN ISO 5436-2:2001/prA1 en  
Geometrical Product Specifications (GPS) – Surface texture: Profile method; Measurement standards – Part 2: Software measurement standards – Amendment 1 (ISO 5436-2:2001/DAM 1:2010)
- prEN ISO 10360-9 en  
Geometrical product specifications (GPS) – Acceptance and reverification tests for coordinate measuring machines (CMM) – Part 9: CMMs with multiple probing systems (ISO/DIS 10360-9:2010)
- prEN ISO 10628-2 en  
Diagrams for the chemical and petrochemical industry – Part 2: Graphical symbols (ISO/DIS 10628-2:2010)
- prEN ISO 13225 en  
Geometrical product specifications (GPS) – Dimensional measuring equipment; Height gauges – Design and metrological characteristics (ISO/DIS 13225:2010)

- EN ISO 14660-2:1999/prA1 en  
Geometrical Product Specifications (GPS) – Geometrical features – Part 2: Extracted median line of a cylinder and a cone, extracted median surface, local size of an extracted feature (ISO 14660-2:1999/DAM 1:2010)
- prEN ISO 25178-604 en  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 604: Nominal characteristics of non-contact (coherence scanning interferometry) instruments (ISO/DIS 25178-604:2010)

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

- EN ISO 12499:2008/prA1 en  
Industrial fans – Mechanical safety of fans – Guarding (ISO 12499:1999/DAM 1:2010)  
Industrijski ventilatori – Mehanička sigurnost ventilatora – Zaštita (ISO 12499:1999/DAM 1:2010)
- FprEN 15316-4-8 en  
Heating systems in buildings – Method for calculation of system energy requirements and system efficiencies – Part 4-8: Space heating generation systems, air heating and overhead radiant heating systems  
Sustavi grijanja u zgradama – Metoda proračuna energijskih zahtjeva i učinkovitosti sustava – Dio 4-8: Sustavi za proizvodnju topline, sustavi toplozračnog grijanja i sustavi grijanja zračenjem odozgo
- FprEN ISO 16484-5 en  
Building automation and control systems – Part 5: Data communication protocol (ISO/FDIS 16484-5:2010)  
Digitalni sustavi upravljanja u zgradama (BACS) – 5. dio: Podatkovni komunikacijski protokol (ISO/FDIS 16484-5:2010)

### **HZN/TO 546, Očuvanje kulturne baštine**

- prEN 16141 en  
Conservation of cultural heritage – Guidelines for management of environmental conditions – Open storage facilities: definitions and characteristics of collection centres dedicated to the preservation and management of cultural heritage

### **HZN/TO 550, Opskrba vodom**

- prEN 806-5 en  
Specification for installations inside buildings conveying water for human consumption – Part 5: Operation and Maintenance
- EN 1113:2008/FprA1 en  
Sanitary tapware – Shower hoses for sanitary tapware for water supply systems of type 1 and type 2 – General technical specification
- prEN 13618 en  
Flexible hose assemblies in drinking water installations – Functional requirements and test methods
- prEN 15975-1 en  
Security of drinking water supply – Guidelines for risk and crisis management – Part 1: Crisis management
- prEN 16003 en  
Chemicals used for treatment of water intended for human consumption – Calcium magnesium carbonate
- prEN 16004 en  
Chemicals used for treatment of water intended for human consumption – Magnesium oxide
- prEN 16145 en  
Sanitary tapware – Extractable outlets for sink and basin mixers – General technical specification
- prEN 16146 en  
Sanitary tapware – Extractable shower hoses for sanitary tapware for supply systems type 1 and type 2 – General technical specification

### **HZN/TO 551, Gradnja**

- prEN 15978 en  
Sustainability of construction works – Assessment of environmental performance of buildings – Calculation method

### **HZN/TO 552, Društvena odgovornost**

- ISO 26000:2010 en  
Guidance on social responsibility  
Upute o društvenoj odgovornosti

### **HZN/TO 553, Predgotovljeni proizvodi**

- prEN 13369 en  
Common rules for precast concrete products

### **HZN/TO 554, Obrada otpadnih voda**

- FprEN 476 en  
General requirements for components used in drains and sewers
- prEN 12566-7 en  
Small wastewater treatment systems for up to 50 PT – Part 7: Prefabricated tertiary treatment units
- EN 13508-2:2003/prA1 en  
Investigation and assessment of drain and sewer systems outside building – Part 2: Visual Inspection Coding System
- FprEN 15885 en  
Classification and characteristics of techniques for renovation and repair of drains and sewers

### **HZN/TO 555, Medicinski proizvodi**

- EN ISO 10993-16:2010 en  
Biological evaluation of medical devices – Part 16: Toxicokinetic study design for degradation products and leachables (ISO 10993-16:2010)  
Biološka procjena medicinskih proizvoda – 16. dio: Nacrtni toksikokinetičkog istraživanja za istrošene proizvode i lužine (ISO 10993-16:2010)
- prEN ISO 19001 en  
In vitro diagnostic medical devices – Information supplied by the manufacturer with in vitro diagnostic reagents for staining in biology (ISO/DIS 19001:2010)

### **HZN/TO 557, Zaštitna odjeća**

- prEN ISO 15027-1 en  
Immersion suits – Part 1: Constant wear suits, requirements including safety (ISO/DIS 15027-1:2010)
- prEN ISO 15027-2 en  
Immersion suits – Part 2: Abandonment suits, requirements including safety (ISO/DIS 15027-2:2010)
- prEN ISO 15027-3 en  
Immersion suits – Part 3: Test methods (ISO/DIS 15027-3:2010)
- prEN ISO 20471 en  
High-visibility warning clothing for professional use – Test methods and requirements (ISO/DIS 20471:2010)

### **HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji**

- EN 593:2009 en  
Industrial valves – Metallic butterfly valves
- EN 1349:2009 en  
Industrial process control valves  
Regulacijski ventili za industrijske procese
- EN 1984:2010 en  
Industrial valves – Steel gate valves  
Industrijski ventili – Čelični zasuni
- EN ISO 10497:2010 en  
Testing of valves – Fire type-testing requirements (ISO 10497:2010)  
Ispitivanja ventila – Zahtjevi za ispitivanja od požara (ISO 10497:2010)
- EN 12288:2010 en  
Industrial valves – Copper alloy gate valves  
Industrijski zaporni uređaji – Zasuni od bakrenih legura
- EN 12351:2010 en  
Industrial valves – Protective caps for valves with flanged connections  
Industrijski ventili – Zaštitne kape za ventile s prirubničkim spojevima
- EN 12982:2009 en  
Industrial valves – End-to-end and centre-to-end dimensions for butt welding end valves  
Industrijski ventili – Ugradbene mjere od kraja do kraja i od centra do kraja za ventile sa sučelno zavarivim krajevima

- EN 13709:2010 en  
Industrial valves – Steel globe and globe stop and check valves  
Industrijski zaporni uređaji – Čelični zaporni uređaji i zaporni zaustavni i protupovratni zaporni uređaji
- EN 13789:2010 en  
Industrial valves – Cast iron globe valves  
Industrijski ventili – Zaporni ventili izrađeni od lijevanog željeza
- EN 15714-1:2009 en  
Industrial valves – Actuators – Part 1: Terminology and definitions
- EN 15714-2:2009 en  
Industrial valves – Actuators – Part 2: Electric actuators for industrial valves – Basic requirements
- EN 15714-3:2009 en  
Industrial valves – Actuators – Part 3: Pneumatic part-turn actuators for industrial valves – Basic requirements
- EN 15714-4:2009 en  
Industrial valves – Actuators – Part 4: Hydraulic part-turn actuators for industrial valves – Basic requirements

## **HZN/TO 560, Tekstilni proizvodi**

- EN ISO 105-A01:2010 en  
Textiles – Tests for colour fastness – Part A01: General principles of testing (ISO 105-A01:2010)  
Tekstil – Ispitivanje postojanosti obojenja – Dio A01: Opća načela ispitivanja (ISO 105-A01:2010)
- EN ISO 105-C06:2010 en  
Textiles – Tests for colour fastness – Part C06: Colour fastness to domestic and commercial laundering (ISO 105-C06:2010)  
Tekstil – Ispitivanje postojanosti obojenja – Dio C06: Postojanost obojenja pri pranju u kućanstvu i komercijalnom pranju (ISO 105-C06:2010)
- EN ISO 105-C08:2010 en  
Textiles – Tests for colour fastness – Part C08: Colour fastness to domestic and commercial laundering using a non-phosphate reference detergent incorporating a low-temperature bleach activator (ISO 105-C08:2010)  
Tekstil – Ispitivanje postojanosti obojenja – Dio C08: Postojanost obojenja pri pranju u kućanstvu i komercijalnom pranju s deterdžentom bez fosfata koji sadrži aktivator bijeljenja pri niskim temperaturama (ISO 105-C08:2010)
- EN ISO 105-D01:2010 en  
Textiles – Tests for colour fastness – Part D01: Colour fastness to dry cleaning using perchloroethylene solvent (ISO 105-D01:2010)  
Tekstil – Ispitivanje postojanosti obojenja – Dio D01: Postojanost obojenja pri čišćenju tetrakloretilenom (ISO 105-D01:2010)
- EN ISO 105-E01:2010 en  
Textiles – Tests for colour fastness – Part E01: Colour fastness to water (ISO 105-E01:2010)  
Tekstil – Ispitivanje postojanosti obojenja – Dio E01: Postojanost obojenja na vodu (ISO 105-E01:2010)
- EN ISO 105-E03:2010 en  
Textiles – Tests for colour fastness – Part E03: Colour fastness to chlorinated water (swimming-pool water) (ISO 105-E03:2010)  
Tekstil – Ispitivanje postojanosti obojenja – Dio E03: Postojanost obojenja na kloriranu vodu (voda iz bazena) (ISO 105-E03:2010)
- EN ISO 105-E07:2010 en  
Textiles – Tests for colour fastness – Part E07: Colour fastness to spotting: Water (ISO 105-E07:2010)  
Tekstil – Ispitivanje postojanosti obojenja – Dio E07: Postojanost obojenja na vodene mrlje: voda (ISO 105-E07:2010)
- EN ISO 105-E09:2010 en  
Textiles – Tests for colour fastness – Part E09: Colour fastness to potting (ISO 105-E09:2010)  
Tekstil – Ispitivanje postojanosti obojenja – Dio E09: Postojanost obojenja na vrelu vodu (ISO 105-E09:2010)
- EN ISO 105-E12:2010 en  
Textiles – Tests for colour fastness – Part E12: Colour fastness to milling: Alkaline milling (ISO 105-E12:2010)  
Tekstil – Ispitivanje postojanosti obojenja – Dio E12: Postojanost obojenja na valjkanje: alkalno valjkanje (ISO 105-E12:2010)

- FprEN ISO 1833-24 en  
Textiles – Quantitative chemical analysis – Part 24: Mixtures of polyester and certain other fibres (method using phenol and tetrachloroethane) (ISO 1833-24:2010)  
Tekstil – Kvantitativna kemijska analiza – 24. dio: Mješavine poliesterskih vlakana i nekih drugih vlakana (metoda s uporabom fenola i tetrakloreтана) (ISO 1833-24:2010)
- EN ISO 3175-1:2010 en  
Textiles – Professional care, drycleaning and wetcleaning of fabrics and garments – Part 1: Assessment of performance after cleaning and finishing (ISO 3175-1:2010)  
Tekstil – Profesionalna njega, kemijsko čišćenje i mokro čišćenje tkanina i odjevnih predmeta – 1. dio: Ocjenjivanje učinka čišćenja i završne obrade (ISO 3175-1:2010)
- EN ISO 3175-2:2010 en  
Textiles – Professional care, drycleaning and wetcleaning of fabrics and garments – Part 2: Procedure for testing performance when cleaning and finishing using tetrachloroethene (ISO 3175-2:2010)  
Tekstil – Profesionalna njega, kemijsko čišćenje i mokro čišćenje tkanina i odjevnih predmeta – 2. dio: Postupak ispitivanja učinka čišćenja i završne obrade tetrakloretilenom (ISO 3175-2:2010)
- EN ISO 6179:2010 en  
Rubber, vulcanized or thermoplastic – Rubber sheets and rubber-coated fabrics – Determination of transmission rate of volatile liquids (gravimetric technique) (ISO 6179:2010)  
Vulkanizirana ili termoplastična guma – Gumene plaste i tkanine presvučene gumom – Određivanje stupnja prolaza isparivih tekućina (gravimetrijska metoda) (ISO 6179:2010)
- EN ISO 14419:2010 en  
Textiles – Oil repellency – Hydrocarbon resistance test (ISO 14419:2010)  
Tekstil – Nepropusnost na ulje – Otpornost na ugljikovodike (ISO 14419:2010)
- EN ISO 15487:2010 en  
Textiles – Method for assessing appearance of apparel and other textile end products after domestic washing and drying (ISO 15487:2009)  
Tekstil – Metoda ocjenjivanja izgleda odjeće i drugih gotovih tekstilnih proizvoda nakon pranja i sušenja u kućanstvu (ISO 15487:2009)
- EN 15619:2008+A1:2010 en  
Rubber or plastic coated fabrics – Safety of temporary structures (tents) – Specification for coated fabrics intended for tents and related structures  
Tkanine presvučene gumom ili plastičnim masama – Sigurnost privremenih građevina (šatori) – Specifikacije za presvučene tkanine namijenjene za šatore i slične građevine
- HZN/TO 561, Kotlovi, posude pod tlakom, cjevovodi i plinske boce**
- prEN 764-2 en  
Pressure equipment – Part 2: Quantities, symbols and units
- EN 12817:2010 en  
LPG Equipment and accessories – Inspection and requalification of LPG tanks up to and including 13 m<sup>3</sup>  
Oprema i pribor za UNP – Pregled i ponovno potvrđivanje spremnika za UNP do uključivo 13 m<sup>3</sup>
- EN 12819:2009 en  
LPG equipment and accessories – Inspection and requalification of LPG tanks greater than 13 m<sup>3</sup>  
Oprema i pribor za UNP – Pregled i ponovno potvrđivanje spremnika za UNP kapaciteta većeg od 13 m<sup>3</sup>
- prEN 13175 en  
LPG Equipment and accessories – Specification and testing for Liquefied Petroleum Gas (LPG) tank valves and fittings  
Oprema i pribor za UNP – Specifikacija i ispitivanje ventila i fitinga spremnika za ukapljeni naftni plin (UNP)
- EN 13445-3:2009/prA1 en  
Unfired pressure vessels – Part 3: Design
- prEN 14334 rev en  
LPG equipment and accessories – Inspection and testing of LPG road tankers  
Oprema i pribor za UNP – Pregled i ispitivanje kamionskih cisterni za UNP
- EN 14359:2006/FprA1 en  
Gas-loaded accumulators for fluid power applications  
Akumulacijski spremnici punjeni plinom za hidraulične pogonske sustave



- prEN 14678-1 en  
LPG equipment and accessories – Construction and performance of LPG equipment for automotive filling stations – Part 1: Dispensers  
Oprema i pribor za UNP – Izvedba i značajke opreme za UNP na stanicama za punjenje motornih vozila – 1. dio: Uređaji za istakanje
- prEN 14678-3 en  
LPG equipment and accessories – Refuelling installations at private and industrial premises
- prEN 15202 en  
LPG equipment and accessories – Essential operational dimensions for LPG cylinder valve outlet and associated equipment connections  
Oprema i pribor za UNP – Osnovne dimenzije priključaka za ventile na bocama za UNP i pripadajućih priključaka za opremu
- prEN 15609 en  
LPG equipment and accessories – LPG propulsion systems for boats, yachts and other craft – Installation requirements  
Oprema i pribor za UNP – Pogonski sustavi na UNP za brodove, jahte i ostala plovila – Zahtjevi za ugradnju
- prEN 16119 en  
LPG equipment and accessories – Sealing caps and plugs for cylinder and tank valves – Specification and testing
- prEN 16125 en  
LPG equipment and accessories – Pipework systems and supports – LPG liquid phase and vapour pressure phase

## **HZNTO 562, *Alatni strojevi i alati***

- EN 201:2009 en  
Plastics and rubber machines – Injection moulding machines – Safety requirements  
Strojevi za plastiku i gumu – Strojevi za injekcijsko ubrizgavanje – Sigurnosni zahtjevi
- EN 422:2009 en  
Plastics and rubber machines – Blow moulding machines – Safety requirements  
Strojevi za plastiku i gumu – Sigurnost – Strojevi za puhanje u kalupe namijenjeni za proizvodnju šupljih artikala – Zahtjevi za oblikovanje i konstrukciju
- prEN 691-1 en  
Safety of woodworking machines – Part 1: Common requirements
- EN 848-1:2007+A1:2009 en  
Safety of woodworking machines – One side moulding machines with rotating tool – Part 1: Single spindle vertical moulding machines  
Sigurnost strojeva za obradu drva – Jednostrani strojevi za oblikovanje kalupa rotirajućim alatom – 1. dio: Jednovretni strojevi za vertikalno oblikovanje kalupa
- EN 848-2:2007+A1:2009 en  
Safety of woodworking machines – One side moulding machines with rotating tool – Part 2: Single spindle hand fed/integrated fed routing machines  
Sigurnost strojeva za obradu drva – Jednostrani strojevi za oblikovanje kalupa rotirajućim alatom – 2. dio: Jednovretni strojevi vođeni ručno ili s ugrađenim vođenjem po krivulji
- EN 848-3:2007+A2:2009 en  
Safety of woodworking machines – One side moulding machines with rotating tools – Part 3: Numerically controlled (NC) boring and routing machines
- EN 859:2007+A1:2009 en  
Safety of woodworking machines – Hand fed surface planing machines  
Sigurnost strojeva za obradu drva – Ručno vođeni strojevi za blanjanje površine
- EN 860:2007+A1:2009 en  
Safety of woodworking machines – One side thickness planing machines  
Sigurnost strojeva za obradu drva – Strojevi za jednostrano blanjanje
- EN 861:2007+A1:2009 en  
Safety of woodworking machines – Surface planing and thicknessing machines  
Sigurnost strojeva za obradu drva – Strojevi za blanjanje površina i blanjanje na debljinu
- EN 940:2009 en  
Safety of woodworking machines – Combined woodworking machines  
Sigurnost strojeva za obradu drva – Kombinirani strojevi za obradu drva
- EN 1218-1:1999+A1:2009 en  
Safety of woodworking machines – Tenoning machines – Part 1: Single end tenoning machines with sliding table  
Sigurnost strojeva za obradu drva – Strojevi za izradu rukavaca – 1. dio: Strojevi za jednostranu izradu rukavaca s pomičnim stolom
- EN 1218-2:2004+A1:2009 en  
Safety of woodworking machines – Tenoning machines – Part 2: Double end tenoning and/or profiling machines fed by chain or chains  
Sigurnost strojeva za obradu drva – Strojevi za izradu rukavaca – 2. dio: Strojevi za dvostranu izradu rukavaca i/ili profiliranje pogonjeni lancem ili lancima
- EN 1218-3:2001+A1:2009 en  
Safety of woodworking machines – Tenoning machines – Part 3: Hand fed tenoning machines with sliding table for cutting structural timbers  
Sigurnost strojeva za obradu drva – Strojevi za izradu rukavaca – 3. dio: Ručno pogonjeni strojevi za izradu rukavaca s pomičnim stolom za rezanje konstrukcijskog drva
- EN 1218-4:2004+A2:2009 en  
Safety of woodworking machines – Tenoning machines – Part 4: Edge banding machines fed by chain(s)  
Sigurnost strojeva za obradu drva – Strojevi za izradu rukavaca – 4. dio: Strojevi za savijanje bridova pogonjeni lancem (lancima)
- EN 1218-5:2004+A1:2009 en  
Safety of woodworking machines – Tenoning machines – Part 5: One side profiling machines with fixed table and feed rollers or feed chain  
Sigurnost strojeva za obradu drva – Strojevi za izradu rukavaca – 5. dio: Strojevi za jednostrano profiliranje s fiksnim stolom i pogonskim valjcima ili pogonjeni lancem
- EN 1807:1999+A1:2009 en  
Safety of woodworking machines – Band sawing machines  
Sigurnost strojeva za obradu drva – Tračne pile
- EN 1870-4:2001+A1:2009 en  
Safety of woodworking machines – Circular sawing machines – Part 4: Multiblade rip sawing machines with manual loading and/or unloading  
Sigurnost strojeva za obradu drva – Kružne pile – 4. dio: Višelisne pile s ručnim ulaganjem i/ili prihvaćanjem gotovog obratka
- EN 1870-5:2002+A1:2009 en  
Safety of woodworking machines – Circular sawing machines – Part 5: Circular sawbenches/up-cutting cross-cut sawing machines  
Sigurnost strojeva za obradu drva – Kružne pile – 5. dio: Kružne pile sa stolovima/potezno-poprečne pile
- EN 1870-6:2002+A1:2009 en  
Safety of woodworking machines – Circular sawing machines – Part 6: Circular sawing machines for firewood and dual purpose circular sawing machines for firewood/circular saw benches, with manual loading and/or unloading  
Sigurnost strojeva za obradu drveta – Kružne pile – 6. dio: Kružne pile za ogrjevno drvo i dvonamjenske kružne pile za ogrjevno drvo/stolne kružne pile s ručnim ulaganjem i/ili odlaganjem
- EN 1870-7:2002+A1:2009 en  
Safety of woodworking machines – Circular sawing machines – Part 7: Single blade log sawing machines with integrated feed table and manual loading and/or unloading
- EN 1870-8:2001+A1:2009 en  
Safety of woodworking machines – Circular sawing machines – Part 8: Single blade edging circular rip sawing machines with power driven saw unit and manual loading and/or unloading  
Sigurnost strojeva za obradu drveta – Kružne pile – 8. dio: Kružne pile za kračenje i paranje s pogonom kružne pile i ručnim ulaganjem i/ili odlaganjem
- EN 1870-9:2000+A1:2009 en  
Safety of woodworking machines – Circular sawing machines – Part 9: Double blade circular sawing machines for cross-cutting with integrated feed and with manual loading and/or unloading
- EN 1870-10:2003+A1:2009 en  
Safety of woodworking machines – Circular sawing machines – Part 10: Single blade automatic and semi-automatic up-cutting cross-cut sawing machines  
Sigurnost strojeva za obradu drveta – Kružne pile – 10. dio: Podstolne automatske i poluautomatske klatne pile (s jednom pilom)

- EN 1870-11:2003+A1:2009 en  
Safety of woodworking machines – Circular sawing machines – Part 11: Semi-automatic and automatic horizontal cross-cut sawing machines with one saw unit (radial arm saws)
- EN 1870-12:2003+A1:2009 en  
Safety of woodworking machines – Circular sawing machines – Part 12: Pendulum cross-cut sawing machines  
Sigurnost strojeva za obradu drveta – Kružne pile – 12. dio: Klatne kružne pile za poprečno rezanje
- EN 1870-13:2007+A1:2009 en  
Safety of woodworking machines – Circular sawing machines – Part 13: Horizontal beam panel sawing machines  
Sigurnost strojeva za obradu drveta – Kružne pile – 13. dio: Horizontalne kružne pile za ploče s pritisknim uređajem
- EN 1870-14:2007+A1:2009 en  
Safety of woodworking machines – Circular sawing machines – Part 14: Vertical panel sawing machines  
Sigurnost strojeva za obradu drveta – Kružne pile – 14. dio: Vertikalne kružne pile za ploče
- EN 1870-16:2005+A1:2009 en  
Safety of woodworking machines – Circular sawing machines – Part 16: Double mitre sawing machines for V-cutting  
Sigurnost strojeva za obradu drveta – Kružne pile – 16. dio: Pile za V-rezanje
- EN 12622:2009 en  
Safety of machine tools – Hydraulic press brakes  
Sigurnost alatnih strojeva – Hidraulične preše (tijesci) za kutno savijanje
- EN 12750:2001+A1:2009 en  
Safety of woodworking machines – Four-sided moulding machines
- EN 12779:2004+A1:2009 en  
Safety of woodworking machines – Chip and dust extraction systems with fixed installation – Safety related performances and safety requirements
- EN 13743:2009 en  
Safety requirements for coated abrasive products  
Sigurnosni zahtjevi za presvučene abrazive
- EN ISO 23125:2010 en  
Machine tools – Safety – Turning machines  
(ISO 23125:2010)
- HZN/TO 563, Sigurnost strojeva**
- EN 453:2000+A1:2009 en  
Food processing machinery – Dough mixers – Safety and hygiene requirements  
Strojevi za preradu hrane – Miješalice za tijesto – Sigurnosni i higijenski zahtjevi
- EN 454:2000+A1:2009 en  
Food processing machinery – Planetary mixers – Safety and hygiene requirements  
Strojevi za preradu hrane – Planetarne miješalice – Sigurnosni i higijenski zahtjevi
- EN 1010-3:2002+A1:2009 en  
Safety of machinery – Safety requirements for the design and construction of printing and paper converting machines – Part 3: Cutting machines
- EN 1010-4:2004+A1:2009 en  
Safety of machinery – Safety requirements for the design and construction of printing and paper converting machines – Part 4: Bookbinding, paper converting and finishing machines
- EN 1034-1:2000+A1:2010 en  
Safety of machinery – Safety requirements for the design and construction of paper making and finishing machines – Part 1: Common requirements
- EN 1034-2:2005+A1:2009 en  
Safety of machinery – Safety requirements for the design and construction of paper making and finishing machines – Part 2: Barking drums
- EN 1034-3:1999+A1:2009 en  
Safety of machinery – Safety requirements for the design and construction of paper making and finishing machines – Part 3: Winders and slitters, plying machines
- EN 1034-4:2005+A1:2009 en  
Safety of machinery – Safety requirements for the design and construction of paper making and finishing machines – Part 4: Pulpers and their loading facilities
- EN 1034-5:2005+A1:2009 en  
Safety of machinery – Safety requirements for the design and construction of paper making and finishing machines – Part 5: Sheeters
- EN 1034-6:2005+A1:2009 en  
Safety of machinery – Safety requirements for the design and construction of paper making and finishing machines – Part 6: Calender
- EN 1034-7:2005+A1:2009 en  
Safety of machinery – Safety requirements for the design and construction of paper making and finishing machines – Part 7: Chests
- EN 1034-14:2005+A1:2009 en  
Safety of machinery – Safety requirements for the design and construction of paper making and finishing machines – Part 14: Reel splitter
- EN 1034-22:2005+A1:2009 en  
Safety of machinery – Safety requirements for the design and construction of paper making and finishing machines – Part 22: Wood Grinders
- EN 1539:2009 en  
Dryers and ovens, in which flammable substances are released – Safety requirements  
Sušnice i peći u kojima se oslobađaju zapaljive tvari – Sigurnosni zahtjevi
- EN 1673:2000+A1:2009 en  
Food processing machinery – Rotary rack ovens – Safety and hygiene requirements  
Strojevi za preradu hrane – Rotirajuće etažne peći – Sigurnosni i higijenski zahtjevi
- EN 1674:2000+A1:2009 en  
Food processing machinery – Dough and pastry brakes – Safety and hygiene requirements  
Strojevi za preradu hrane – Stroj za dijeljenje tijesta i peciva – Sigurnosni i higijenski zahtjevi
- EN 1678:1998+A1:2010 en  
Food processing machinery – Vegetable cutting machines – Safety and hygiene requirements  
Strojevi za preradu hrane – Strojevi za rezanje povrća – Sigurnosni i higijenski zahtjevi
- EN 1953:1998+A1:2009 en  
Atomising and spraying equipment for coating materials – Safety requirements  
Oprema za raspršivanje i naštrecavanje pri prevlačenju materijala – Sigurnosni zahtjevi
- EN 1974:1998+A1:2009 en  
Food processing machinery – Slicing machines – Safety and hygiene requirements  
Strojevi za preradu hrane – Strojevi za rezanje – Sigurnosni i higijenski zahtjevi
- EN ISO 11161:2007/A1:2010 en  
Safety of machinery – Integrated manufacturing systems – Basic requirements – Amendment 1  
(ISO 11161:2007/Amd 1:2010)
- EN 12267:2003+A1:2010 en  
Food processing machinery – Circular saw machines – Safety and hygiene requirements  
Strojevi za preradu hrane – Strojevi s kružnom pilom – Sigurnosni i higijenski zahtjevi
- EN 12268:2003+A1:2010 en  
Food processing machinery – Band saw machines – Safety and hygiene requirements  
Strojevi za preradu hrane – Strojevi s tračnim pilama – Sigurnosni i higijenski zahtjevi
- EN 12331:2003+A2:2010 en  
Food processing machinery – Mincing machines – Safety and hygiene requirements  
Strojevi za preradu hrane – Strojevi za mljevenje – Sigurnosni i higijenski zahtjevi
- EN 12355:2003+A1:2010 en  
Food processing machinery – Derinding-, skinning- and membrane removal machines – Safety and hygiene requirements  
Strojevi za preradu hrane – Strojevi za odvajanje/ljuštenje kože i odvajanje mesnog dijela – Sigurnosni i higijenski zahtjevi
- EN 12463:2004/FprA1 en  
Food processing machinery – Filling machines and auxiliary machines – Safety and hygiene requirements

- EN 12505:2000+A1:2009 en  
Food processing machinery – Centrifugal machines for processing edible oils and fats – Safety and hygiene requirements
- EN 12581:2005+A1:2010 en  
Coating plants – Machinery for dip coating and electrodeposition of organic liquid coating material – Safety requirements  
Postrojenja za premazivanje – Strojevi za premazivanje umakanjem i elektronanošenjem organskih premaznih materijala – Sigurnosni zahtjevi
- EN 12621:2006+A1:2010 en  
Machinery for the supply and circulation of coating materials under pressure – Safety requirements  
Strojevi za dopremu i protok materijala za nanošenje pod tlakom – Sigurnosni zahtjevi
- EN 12753:2005+A1:2010 en  
Thermal cleaning systems for exhaust gas from surface treatment equipment – Safety requirements
- EN 12757-1:2005+A1:2010 en  
Mixing machinery for coating materials – Safety requirements – Part 1: Mixing machinery for use in vehicle refinishing  
Strojevi za miješanje materijala za prevlačenje – Sigurnosni zahtjevi – 1. dio: Strojevi za miješanje za uporabu pri obnovi vozila
- EN 12851:2005+A1:2010 en  
Food processing machinery – Catering attachments for machines having an auxiliary drive hub – Safety and hygiene requirements  
Strojevi za preradu hrane – Priključci za dobavljanje hrane na strojevima sa pomoćnim pogonom – Sigurnosni i higijenski zahtjevi
- EN 12852:2001+A1:2010 en  
Food processing machinery – Food processors and blenders – Safety and hygiene requirements  
Strojevi za preradu hrane – Prerađivači hrane i miješalice – Sigurnosni i higijenski zahtjevi
- EN 12853:2001+A1:2010 en  
Food processing machinery – Hand-held blenders and whisks – Safety and hygiene requirements  
Strojevi za preradu hrane – Ručne miješalice i pjenjače – Sigurnosni i higijenski zahtjevi
- EN 12854:2003+A1:2010 en  
Food processing machinery – Beam mixers – Safety and hygiene requirements  
Strojevi za preradu hrane – Konzolne miješalice – Sigurnosni i higijenski zahtjevi
- EN 12855:2003+A1:2010 en  
Food processing machinery – Rotating bowl cutters – Safety and hygiene requirements  
Strojevi za preradu hrane – Rezači s rotirajućom posudom – Sigurnosni i higijenski zahtjevi
- EN 12921-1:2005+A1:2010 en  
Machines for surface cleaning and pre-treatment of industrial items using liquids or vapours – Part 1: Common safety requirements  
Strojevi za čišćenje i predobradbu površina industrijskih dijelova primjenom tekućina ili para – 1. dio: Opći sigurnosni zahtjevi
- EN 12984:2005+A1:2010 en  
Food processing machinery – Portable and/or hand-guided machines and appliances with mechanically driven cutting tools – Safety and hygiene requirements  
Strojevi za preradu hrane – Prenosivi i/ili ručno upravljani strojevi i uređaji opremljeni mehanički pogonjenim reznim alatima – Sigurnosni i higijenski zahtjevi
- EN 13023:2003+A1:2010 en  
Noise measurement methods for printing, paper converting, paper making machines and auxiliary equipment – Accuracy grades 2 and 3
- EN 13208:2003+A1:2010 en  
Food processing machinery – Vegetable peelers – Safety and hygiene requirements  
Strojevi za preradu hrane – Strojevi za guljenje povrća – Sigurnosni i higijenski zahtjevi
- EN 13288:2005+A1:2009 en  
Food processing machinery – Bowl lifting and tilting machines – Safety and hygiene requirements  
Strojevi za preradu hrane – Strojevi za podizanje i nagibanje zdjela – Sigurnosni i higijenski zahtjevi
- EN 13389:2005+A1:2009 en  
Food processing machinery – Mixers with horizontal shafts – Safety and hygiene requirements  
Strojevi za preradu hrane – Miješalice sa horizontalnim osovinama – Sigurnosni i higijenski zahtjevi
- EN 13390:2002+A1:2009 en  
Food processing machinery – Pie and tart machines – Safety and hygiene requirements
- EN 13534:2006+A1:2010 en  
Food processing machinery – Curing injection machines – Safety and hygiene requirements  
Strojevi za preradu hrane – Strojevi za soljenje injektiranjem – Sigurnosni i higijenski zahtjevi
- EN 13570:2005+A1:2010 en  
Food processing machinery – Mixing machines – Safety and hygiene requirements  
Strojevi za preradu hrane – Miješalice i strojevi za miješanje – Sigurnosni i higijenski zahtjevi
- EN 13591:2005+A1:2009 en  
Food processing machinery – Fixed deck oven loaders – Safety and hygiene requirements  
Strojevi za preradu hrane – Ubacivači u peć s fiksnim poklopcem – Sigurnosni i higijenski zahtjevi
- EN 13621:2004+A1:2010 en  
Food processing machinery – Salad dryers – Safety and hygiene requirements  
Strojevi za preradu hrane – Sušilice za salatu – Sigurnosni i higijenski zahtjevi
- EN ISO 13855:2010 en  
Safety of machinery – Positioning of safeguards with respect to the approach speeds of parts of the human body (ISO 13855:2010)
- EN 13870:2005+A1:2010 en  
Food processing machinery – Chop cutting machines – Safety and hygiene requirements  
Strojevi za preradu hrane – Strojevi za sjeckanje – Sigurnosni i higijenski zahtjevi
- EN 13871:2005+A1:2010 en  
Food processing machinery – Cubes cutting machinery – Safety and hygiene requirements  
Strojevi za preradu hrane – Strojevi za rezanje na kocke – Sigurnosni i higijenski zahtjevi
- EN 13885:2005+A1:2010 en  
Food processing machinery – Clipping machines – Safety and hygiene requirements  
Strojevi za preradu hrane – Strojevi za zatvaranje – Sigurnosni i higijenski zahtjevi
- EN 13886:2005+A1:2010 en  
Food processing machinery – Cooking kettles equipped with powered stirrer and/or mixer – Safety and hygiene requirements
- EN 13954:2005+A1:2010 en  
Food processing machinery – Bread slicers – Safety and hygiene requirements  
Strojevi za preradu hrane – Rezači kruha – Sigurnosni i higijenski zahtjevi
- EN ISO 14122-1:2001/A1:2010 en  
Safety of machinery – Permanent means of access to machinery – Part 1: Choice of fixed means of access between two levels – Amendment 1 (ISO 14122-1:2001/Amd 1:2010)  
Sigurnost strojeva – Trajni način prilaza strojevima – 1. dio: Izbor trajnih načina prilaza između dvije razine – Amandman 1 (ISO 14122-1:2001/Amd 1:2010)
- EN ISO 14122-2:2001/A1:2010 en  
Safety of machinery – Permanent means of access to machinery – Part 2: Working platforms and walkways – Amendment 1 (ISO 14122-2:2001/Amd 1:2010)  
Sigurnost strojeva – Trajni način prilaza strojevima – 2. dio: Radne platforme i prolazi – Amandman 1 (ISO 14122-2:2001/Amd 1:2010)
- EN ISO 14122-3:2001/A1:2010 en  
Safety of machinery – Permanent means of access to machinery – Part 3: Stairs, stepladders and guard-rails – Amendment 1 (ISO 14122-3:2001/Amd 1:2010)  
Sigurnost strojeva – Trajni način prilaza strojevima – 3. dio: Stepenice, sklopive ljestve i sigurnosne ograde – Amandman 1 (ISO 14122-3:2001/Amd 1:2010)
- EN 14655:2005+A1:2010 en  
Food processing machinery – Baguette slicers – Safety and hygiene requirements  
Strojevi za preradu hrane – Rezači francuskog kruha (bageta) – Sigurnosni i higijenski zahtjevi

- EN 14957:2006+A1:2010 en  
Food processing machinery – Dishwashing machines with conveyor – Safety and hygiene requirements
- CEN/TS 15366:2009 en  
Winter and road service area maintenance equipment – Solid absorbents intended for road usage
- prEN 15429-2 en  
Sweepers – Part 2: Performance requirements and test methods
- EN 15430-1:2007/FprA1 en  
Winter and road service area maintenance equipments – Data acquisition and transmission – Part 1: In vehicle data acquisition
- EN 15597-1:2009 en  
Winter maintenance equipment – Spreading machines (gritting machines) – Part 1: General requirements and definitions for spreading machines

### **HZN/TO 564, Uljarice, biljna i životinjska ulja i masti**

- EN ISO 9936:2006/prA1 en  
Animal and vegetable fats and oils – Determination of tocopherol and tocotrienol contents by high-performance liquid chromatography – Amendment 1 (ISO 9936:2006/DAM 1:2010)
- EN ISO 15753:2006/prA1 en  
Animal and vegetable fats and oils – Determination of polycyclic aromatic hydrocarbons (ISO 15753:2006/DAM 1:2010)
- prEN ISO 17932 en  
Vegetable oils – Determination of the deterioration of bleaching index (DOBI) and carotene content (ISO/DIS 17932:2010)

### **HZN/TO 566, Poljoprivredni i prehrambeni proizvodi; Mlijeko i mliječni proizvodi**

- ISO 1738:2004 en  
Butter – Determination of salt content  
Maslac – Određivanje udjela soli
- ISO 1739:2006 en  
Butter – Determination of the refractive index of the fat (Reference method)  
Maslac – Određivanje indeksa refrakcije masti (Referentna metoda)
- ISO 1740:2004 en  
Milkfat products and butter – Determination of fat acidity (Reference method)  
Masni mliječni proizvodi i maslac – Određivanje kiselosti masti (Referentna metoda)
- ISO 2911:2004 en  
Sweetened condensed milk – Determination of sucrose content – Polarimetric method  
Zaslađeno kondenzirano mlijeko – Određivanje udjela saharoze – Polarimetrijska metoda
- ISO 2962:2010 en  
Cheese and processed cheese products – Determination of total phosphorus content – Molecular absorption spectrometric method  
Sir i proizvodi od topljenog sira – Određivanje udjela ukupnog fosfora – Metoda molekularne apsorpcijske spektrometrije
- ISO 3728:2004 en  
Ice-cream and milk ice – Determination of total solids content (Reference method)  
Sladoled i mliječni led – Određivanje udjela suhe tvari (Referentna metoda)
- ISO 3890-1:2009 en  
Milk and milk products – Determination of residues of organochlorine compounds (pesticides) – Part 1: General considerations and extraction methods  
Mlijeko i mliječni proizvodi – Određivanje ostataka organoklorinih spojeva (pesticida) – 1. dio: Osnovne upute i metode ekstrakcije
- ISO 3890-2:2009 en  
Milk and milk products – Determination of residues of organochlorine compounds (pesticides) – Part 2: Test methods for crude extract purification and confirmation  
Mlijeko i mliječni proizvodi – Određivanje ostataka organoklorinih spojeva (pesticida) – 2. dio: Metode ispitivanja za pročišćavanje sirovog ekstrakta i potvrdu

- ISO 5536:2009 en  
Milk fat products – Determination of water content – Karl Fischer method  
Masni mliječni proizvodi – Određivanje udjela vode – Karl Fischerova metoda
- ISO 5538:2004 en  
Milk and milk products – Sampling – Inspection by attributes  
Mlijeko i mliječni proizvodi – Uzorkovanje – Ispitivanje po svojstvima
- ISO 5543:2004 en  
Caseins and caseinates – Determination of fat content – Gravimetric method (Reference method)  
Kazeini i kazeinati – Određivanje udjela masti – Gravimetrijska metoda (Referentna metoda)
- ISO 5546:2010 en  
Caseins and caseinates – Determination of pH (Reference method)  
Kazeini i kazeinati – Određivanje pH vrijednosti (Referentna metoda)
- ISO 5548:2004 en  
Caseins and caseinates – Determination of lactose content – Photometric method  
Kazeini i kazeinati – Određivanje udjela laktoze – Fotometrijska metoda
- ISO 5738:2004 en  
Milk and milk products – Determination of copper content – Photometric method (Reference method)  
Mlijeko i mliječni proizvodi – Određivanje udjela bakra – Fotometrijska metoda (Referentna metoda)
- ISO/TS 6090:2004 en  
Milk and dried milk, buttermilk and buttermilk powder, whey and whey powder – Detection of phosphatase activity  
Mlijeko i mlijeko u prahu, mlačenica i mlačenica u prahu, sirutka i sirutka u prahu – Određivanje aktivnosti fosfataze
- ISO 6091:2010 en  
Dried milk – Determination of titratable acidity (Reference method)  
Mlijeko u prahu – Određivanje titracijske kiselosti (Referentna metoda)
- ISO 6611:2004 en  
Milk and milk products – Enumeration of colony-forming units of yeasts and/or moulds – Colony-count technique at 25 degrees C  
Mlijeko i mliječni proizvodi – Brojenje jedinica kvasaca i/ili plijesni koji formiraju koloniju – Brojenje kolonija pri 25 °C
- ISO 6730:2005 en  
Milk – Enumeration of colony-forming units of psychrotrophic microorganisms – Colony-count technique at 6,5 degrees C  
Mlijeko – Brojenje jedinica psihrotrofnih mikroorganizama koji formiraju koloniju – Brojenje kolonija pri 6,5 °C
- ISO 6732:2010 en  
Milk and milk products – Determination of iron content – Spectrometric method (Reference method)  
Mlijeko i mliječni proizvodi – Određivanje udjela željeza – Spektrometrijska metoda (Referentna metoda)
- ISO 7238:2004 en  
Butter – Determination of pH of the serum – Potentiometric method  
Maslac – Određivanje pH vrijednosti seruma – Potenciometrijska metoda
- ISO 8070:2007 en  
Milk and milk products – Determination of calcium, sodium, potassium and magnesium contents – Atomic absorption spectrometric method  
Mlijeko i mliječni proizvodi – Određivanje udjela kalcija, natrija, kalija i magnezija – Metoda atomske apsorpcijske spektrometrije
- ISO 8086:2004 en  
Dairy plant – Hygiene conditions – General guidance on inspection and sampling procedures  
Mljekarski pogon – Higijenski uvjeti – Opće upute za postupke provjere i uzorkovanja
- ISO 8156:2005 en  
Dried milk and dried milk products – Determination of insolubility index  
Mlijeko u prahu i proizvodi od mlijeka u prahu – Određivanje indeksa netopljivosti
- ISO 8196-1:2009 en  
Milk – Definition and evaluation of the overall accuracy of alternative methods of milk analysis – Part 1: Analytical attributes of alternative methods

- Mlijeko – Definicija i procjena ukupne točnosti alternativnih metoda analize mlijeka – 1. dio: Analitička obilježja alternativnih metoda
- ISO 8196-2:2009 en  
Milk – Definition and evaluation of the overall accuracy of alternative methods of milk analysis – Part 2: Calibration and quality control in the dairy laboratory  
Mlijeko – Definicija i procjena ukupne točnosti alternativnih metoda analize mlijeka – 2. dio: Umjeravanje i kontrola kvalitete u mljekarskim laboratorijima
- ISO 8196-3:2009 en  
Milk – Definition and evaluation of the overall accuracy of alternative methods of milk analysis – Part 3: Protocol for the evaluation and validation of alternative quantitative methods of milk analysis  
Mlijeko – Definicija i procjena ukupne točnosti alternativnih metoda analize mlijeka – 3. dio: Protokol za procjenu i validaciju alternativnih kvantitativnih metoda analize mlijeka
- ISO 8262-1:2005 en  
Milk products and milk-based foods – Determination of fat content by the Weibull-Berntrop gravimetric method (Reference method) – Part 1: Infant foods  
Mliječni proizvodi i hrana na osnovi mlijeka – Određivanje udjela masti Weibull-Berntropovom gravimetrijskom metodom (Referentna metoda) – 1. dio: Hrana za djecu
- ISO 8262-2:2005 en  
Milk products and milk-based foods – Determination of fat content by the Weibull-Berntrop gravimetric method (Reference method) – Part 2: Edible ices and ice-mixes  
Mliječni proizvodi i hrana na osnovi mlijeka – Određivanje udjela masti Weibull-Berntropovom gravimetrijskom metodom (Referentna metoda) – 2. dio: Vodeni sladoledi i sladoledne nješavine
- ISO 8262-3:2005 en  
Milk products and milk-based foods – Determination of fat content by the Weibull-Berntrop gravimetric method (Reference method) – Part 3: Special cases  
Mliječni proizvodi i hrana na osnovi mlijeka – Određivanje udjela masti Weibull-Berntropovom gravimetrijskom metodom (Referentna metoda) – 3. dio: Posebni slučajevi
- ISO 8552:2004 en  
Milk – Estimation of psychrotrophic microorganisms – Colony-count technique at 21 degrees C (Rapid method)  
Mlijeko – Procjena broja psihrotropnih mikroorganizama – Brojenje kolonija pri 21 °C (Brza metoda)
- ISO 8553:2004 en  
Milk – Enumeration of microorganisms – Plate-loop technique at 30 degrees C  
Mlijeko – Brojenje mikroorganizama – Tehnika uzgoja na pločama pri 30 °C
- ISO 8851-1:2004 en  
Butter – Determination of moisture, non-fat solids and fat contents (Routine methods) – Part 1: Determination of moisture content  
Maslac – Određivanje udjela vlage, suhe tvari bez masti i masti (Rutinske metode) – 1. dio: Određivanje udjela vlage
- ISO 8851-2:2004 en  
Butter – Determination of moisture, non-fat solids and fat contents (Routine methods) – Part 2: Determination of non-fat solids content  
Maslac – Određivanje udjela vlage, suhe tvari bez masti i masti (Rutinske metode) – 2. dio: Određivanje udjela suhe tvari bez masti
- ISO 8851-3:2004 en  
Butter – Determination of moisture, non-fat solids and fat contents (Routine methods) – Part 3: Calculation of fat content  
Maslac – Određivanje udjela vlage, suhe tvari bez masti i masti (Rutinske metode) – 3. dio: Izračunavanje udjela masti
- ISO 8967:2005 en  
Dried milk and dried milk products – Determination of bulk density  
Mlijeko u prahu i proizvodi od mlijeka u prahu – Određivanje gustoće
- ISO 9232:2003 en  
Yogurt – Identification of characteristic microorganisms (Lactobacillus delbrueckii subsp. bulgaricus and Streptococcus thermophilus)  
Jogurt – Identifikacija karakterističnih mikroorganizama (Lactobacillus delbrueckii subsp. bulgaricus i Streptococcus thermophilus)
- ISO 9233-1:2007 en  
Cheese, cheese rind and processed cheese – Determination of natamycin content – Part 1: Molecular absorption spectrometric method for cheese rind  
Sir, kora sira i topljeni sir – Određivanje udjela natamicina – 1. dio: Metoda molekularne apsorpcijske spektrometrije za koru sira
- ISO 9233-2:2007 en  
Cheese, cheese rind and processed cheese – Determination of natamycin content – Part 2: High-performance liquid chromatographic method for cheese, cheese rind and processed cheese  
Sir, kora sira i topljeni sir – Određivanje udjela natamicina – 2. dio: Metoda tekućinske kromatografije visokog učinka za sir, koru sira i topljeni sir
- ISO/TS 9941:2005 en  
Milk and canned evaporated milk – Determination of tin content – Spectrometric method  
Mlijeko i ugušćeno mlijeko u konzervi – Određivanje udjela kositra – Spektrometrijska metoda
- ISO 10932:2010 en  
Milk and milk products – Determination of the minimal inhibitory concentration (MIC) of antibiotics applicable to bifidobacteria and non-enterococcal lactic acid bacteria (LAB)  
Mlijeko i mliječni proizvodi – Određivanje minimalne inhibitorne koncentracije (MIK) antibiotika za bifidobakterije i neenterokokalne bakterije mliječne kiseline (BMK)
- ISO 11285:2004 en  
Milk – Determination of lactulose content – Enzymatic method  
Mlijeko – Određivanje udjela laktuloze – Enzimatska metoda
- ISO 11813:2010 en  
Milk and milk products – Determination of zinc content – Flame atomic absorption spectrometric method  
Mlijeko i mliječni proizvodi – Određivanje udjela cinka – Metoda plamene atomske apsorpcijske spektrometrije
- ISO 11815:2007 en  
Milk – Determination of total milk-clotting activity of bovine rennets  
Mlijeko – Određivanje ukupne koagulacijske aktivnosti u sirilima preživača
- ISO 11865:2009 en  
Instant whole milk powder – Determination of white flecks number  
Instant punomasno mlijeko u prahu – Određivanje broja bijelih granula
- ISO 11866-1:2005 en  
Milk and milk products – Enumeration of presumptive Escherichia coli – Part 1: Most probable number technique using 4-methylumbelliferyl-beta-D-glucuronide (MUG)  
Mlijeko i mliječni proizvodi – Brojenje Escherichia coli – 1. dio: Tehnika najvjerojatnijeg broja upotrebom 4-methylumbelliferyl-beta-D-glucuronide (MUG)
- ISO 11866-2:2005 en  
Milk and milk products – Enumeration of presumptive Escherichia coli – Part 2: Colony-count technique at 44 degrees C using membranes  
Mlijeko i mliječni proizvodi – Brojenje Escherichia coli – 2. dio: Brojenje kolonija pri 44 °C upotrebom membrana
- ISO 11870:2009 en  
Milk and milk products – Determination of fat content – General guidance on the use of butyrometric methods  
Mlijeko i mliječni proizvodi – Određivanje udjela masti – Opće upute za butirometrijske metode
- ISO 12080-1:2009 en  
Dried skimmed milk – Determination of vitamin A content – Part 1: Colorimetric method  
Obrano mlijeko u prahu – Određivanje udjela vitamina A – 1. dio: Kolorimetrijska metoda
- ISO 12080-2:2009 en  
Dried skimmed milk – Determination of vitamin A content – Part 2: Method using high-performance liquid chromatography  
Obrano mlijeko u prahu – Određivanje udjela vitamina A – 2. dio: Metoda pomoću tekuće kromatografije visokog učinka
- ISO 12081:2010 en  
Milk – Determination of calcium content – Titrimetric method  
Mlijeko – Određivanje udjela kalcija – Titracijska metoda

- ISO 13559:2002 en  
Butter, fermented milks and fresh cheese – Enumeration of contaminating microorganisms – Colony-count technique at 30 degrees C  
Maslac, fermentirana mlijeka i svježi sir – Brojenje kontaminirajućih mikroorganizama – Brojenje kolonija pri 30 °C
- ISO 13580:2005 en  
Yogurt – Determination of total solids content (Reference method)  
Jogurt – Određivanje udjela suhe tvari (Referentna metoda)
- ISO 13875:2005 en  
Liquid milk – Determination of acid-soluble beta-lactoglobulin content – Reverse-phase HPLC method  
Mlijeko – Određivanje udjela u kiselinu topljiva beta laktoglobulina – PCL metoda reverznih faza
- ISO 14156:2001+Amd 1:2007 en  
Milk and milk products – Extraction methods for lipids and liposoluble compounds  
Mlijeko i mliječni proizvodi – Metode ekstrakcije za masti i sastojke topljive u mastima
- ISO 14378:2009 en  
Milk and dried milk – Determination of iodide content – Method using high-performance liquid chromatography  
Mlijeko i mlijeko u prahu – Određivanje udjela joda – Metoda pomoću tekuće kromatografije visokog učinka
- ISO 14461-1:2005 en  
Milk and milk products – Quality control in microbiological laboratories – Part 1: Analyst performance assessment for colony counts  
Mlijeko i mliječni proizvodi – Kontrola kvalitete u mikrobiološkim laboratorijima – 1. dio: Ocjena izvedbe analitičara za brojenje kolonija
- ISO 14461-2:2005 en  
Milk and milk products – Quality control in microbiological laboratories – Part 2: Determination of the reliability of colony counts of parallel plates and subsequent dilution steps  
Mlijeko i mliječni proizvodi – Kontrola kvalitete u mikrobiološkim laboratorijima – 2. dio: Određivanje pouzdanosti brojenja kolonija na paralelnim pločama i uzastopnim razrjeđenjima
- ISO 14674:2005 en  
Milk and milk powder – Determination of aflatoxin M1 content – Clean-up by immunoaffinity chromatography and determination by thin-layer chromatography
- ISO 15322:2005 en  
Dried milk and dried milk products – Determination of their behaviour in hot coffee (Coffee test)  
Mlijeko u prahu i proizvodi mlijeka u prahu – Određivanje njihovog ponašanja u vrućoj kavi (Kava test)
- ISO 15648:2004 en  
Butter – Determination of salt content – Potentiometric method  
Maslac – Određivanje udjela soli – Potenciometrijska metoda
- ISO 16305:2005 en  
Butter – Determination of firmness
- ISO 17997-1:2004 en  
Milk – Determination of casein-nitrogen content – Part 1: Indirect method (Reference method)  
Mlijeko – Određivanje udjela kazeinskog dušika – 1. dio: Indirektna metoda (Referentna metoda)
- ISO 17997-2:2004 en  
Milk – Determination of casein-nitrogen content – Part 2: Direct method  
Mlijeko – Određivanje udjela kazeinskog dušika – 2. dio: Direktna metoda
- ISO 18329:2004 en  
Milk and milk products – Determination of furosine content – Ion-pair reverse-phase high-performance liquid chromatography method
- ISO 22662:2007 en  
Milk and milk products – Determination of lactose content by high-performance liquid chromatography (Reference method)  
Mlijeko i mliječni proizvodi – Određivanje udjela laktoze pomoću tekućinske kromatografije visokog učinka (Referentna metoda)
- ISO/TS 22964:2006 en  
Milk and milk products – Detection of Enterobacter sakazakii  
Mlijeko i mliječni proizvodi – Detekcija Enterobacter sakazakii
- ISO 26462:2010 en  
Milk – Determination of lactose content – Enzymatic method using difference in pH  
Mlijeko – Određivanje udjela laktoze Enzimatska metoda diferencijalne pH-metrije
- ISO/TS 26844:2006 en  
Milk and milk products – Determination of antimicrobial residues – Tube diffusion test
- ISO/TS 27105:2009 en  
Milk and milk products – Determination of hen's egg white lysozyme by HPLC  
Mlijeko i mliječni proizvodi – Određivanje lizozima bjelanjka kokošjeg jajeta HPLC-om
- ISO/TS 27106:2009 en  
Cheese – Determination of nisin A content by LC-MS and LC-MS-MS  
Sir – Određivanje udjela nizina A pomoću LC-MS i LC-MS-MS-a
- ISO 27205:2010 en  
Fermented milk products – Bacterial starter cultures – Standard of identity  
Fermentirani mliječni proizvodi Bakterijske starter kulture – Standard za prepoznavanje
- ISO 29981:2010 en  
Milk products – Enumeration of presumptive bifidobacteria – Colony count technique at 37 degrees C  
Mliječni proizvodi – Brojenje bifidobakterija Brojenje kolonija pri 37 °C

## HZN/TO E17, Sklopni i upravljački uređaji

- EN 50532:2010 en  
Compact Equipment Assembly for Distribution Substations (CEADS)  
Blokovi kompaktne izvedbe za distribucijske transformatorske stanice
- EN 60947-3:2009 en  
Low voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch-disconnectors and fuse combination (IEC 60947-3:2008)  
Niskonaponska sklopna aparatura – 3. dio: Sklopke, rastavljači, rastavne sklopke i kombinacije s osiguračima (IEC 60947-3:2008)
- EN 60947-4-1:2010 en  
Low voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters (IEC 60947-4-1:2009)  
Niskonaponska sklopna aparatura – Dio 4-1: Sklopnici i motorski pokretači – Elektromehanički sklopnici i motorski pokretači (IEC 60947-4-1:2009)
- EN 60947-5-1:2004/A1:2009 en  
Low voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices (IEC 60947-5-1:2003/am1:2009)  
Niskonaponska sklopna aparatura – Dio 5-1: Aparati za upravljačke strujne krugove i sklopni elementi – Elektromehanički aparati za upravljačke strujne krugove (IEC 60947-5-1:2003/am1:2009)
- EN 60947-7-1:2009 en  
Low voltage switchgear and controlgear – Part 7-1: Ancillary equipment – Terminal blocks for copper conductors (IEC 60947-7-1:2009)  
Niskonaponska sklopna aparatura – Dio 7-1: Pomoćna oprema – Redne stezaljke za bakrene vodiče (IEC 60947-7-1:2009)
- EN 60947-7-2:2009 en  
Low voltage switchgear and controlgear – Part 7-2: Ancillary equipment – Protective conductor terminal blocks for copper conductors (IEC 60947-7-2:2009)  
Niskonaponska sklopna aparatura – Dio 7-2: Pomoćna oprema – Redne stezaljke za bakrene zaštitne vodiče (IEC 60947-7-2:2009)
- EN 60947-7-3:2009 en  
Low voltage switchgear and controlgear – Part 7-3: Ancillary equipment – Safety requirements for fuse terminal blocks (IEC 60947-7-3:2009)  
Niskonaponska sklopna aparatura – Dio 7-3: Pomoćna oprema – Sigurnosni zahtjevi za redne stezaljke s osiguračima (IEC 60947-7-3:2009)
- EN 61095:2009 en  
Electromechanical contactors for household and similar purposes (IEC 61095:2009)  
Elektromehanički sklopnici za kućanstvo i slične svrhe (IEC 61095:2009)

- EN 61439-1:2009 en  
Low-voltage switchgear and controlgear assemblies — Part 1: General rules (IEC 61439-1:2009, MOD)  
Niskonaponski sklopni blokovi — 1. dio: Opća pravila (IEC 61439-1:2009, MOD)
- EN 61439-2:2009 en  
Low-voltage switchgear and controlgear assemblies — Part 2: Power switchgear and controlgear assemblies (IEC 61439-2:2009)  
Niskonaponski sklopni blokovi — 2. dio: Blokovi za distribuciju (PSC) (IEC 61439-2:2009)
- FprEN 61439-3:2010 en  
Low-voltage switchgear and controlgear assemblies — Part 3: Distribution boards intended to be operated by ordinary persons (DBO) (IEC 61439-3:201X)
- EN 62026-3:2009 en  
Low-voltage switchgear and controlgear — Controller-device interfaces (CDIs) — Part 3: DeviceNet (IEC 62026-3:2008)  
Niskonaponska sklopna aparatura — Sučelja kontroler-uređaj (CDIs) — 3. dio: DeviceNet (IEC 62026-3:2008)
- EN 62271-1:2008 en  
High-voltage switchgear and controlgear — Part 1: Common specifications (IEC 62271-1:2007)  
Visokonaponska sklopna aparatura — 1. dio: Zajedničke odredbe (IEC 62271-1:2007)
- EN 62271-100:2009 en  
High-voltage switchgear and controlgear — Part 100: High-voltage alternating-current circuit-breakers (IEC 62271-100:2008)  
Visokonaponska sklopna aparatura — 100. dio: Visokonaponski prekidači izmjenične struje (IEC 62271-100:2008)
- EN 62271-104:2009 en  
High-voltage switchgear and controlgear — Part 104: Alternating current switches for rated voltages of 52 kV and above (IEC 62271-104:2009)  
Visokonaponska sklopna aparatura — 104. dio: Sklopke izmjenične struje za nazivne napone 52 kV i više (IEC 62271-104:2009)
- EN 62271-109:2009 en  
High-voltage switchgear and controlgear — Part 109: Alternating-current series capacitor by-pass switches (IEC 62271-109:2008)  
Visokonaponska sklopna aparatura — 109. dio: Sklopke izmjenične struje za premoštenje serijskog kondenzatora (IEC 62271-109:2008)
- EN 62271-110:2009 en  
High-voltage switchgear and controlgear — Part 110: Inductive load switching (IEC 62271-110:2009)  
Visokonaponska sklopna aparatura — 110. dio: Sklapanje induktivnih tereta (IEC 62271-110:2009)
- CLC/TR 62271-208:2010 en  
High-voltage switchgear and controlgear — Part 208: Methods to quantify the steady state, power-frequency electromagnetic fields generated by HV switchgear assemblies and HV/LV prefabricated substations (IEC/TR 62271-208:2009)  
Visokonaponska sklopna aparatura — 208. dio: Metode određivanja stacionarnih elektromagnetskih polja industrijske frekvencije koja stvaraju VN sklopni blokovi i VN/NN tvornički dogotovljene transformatorske stanice (IEC/TR 62271-208:2009)
- CLC/TR 62271-303:2009 en  
High-voltage switchgear and controlgear — Part 303: Use and handling of sulphur hexafluoride (SF<sub>6</sub>) (IEC/TR 62271-303:2008)  
Visokonaponska sklopna aparatura — 303. dio: Korištenje i rukovanje sumpornim heksafluoridom (SF<sub>6</sub>) (IEC/TR 62271-303:2008)
- CLC/TS 62271-304:2008 en  
High-voltage switchgear and controlgear — Part 304: Design classes for indoor enclosed switchgear and controlgear for rated voltages above 1 kV up to and including 52 kV to be used in severe climatic conditions (IEC/TS 62271-304:2008)  
Visokonaponska sklopna aparatura — 304. dio: Klase izvedbi oklopljenih sklopnih aparatura za nazivne napone iznad 1 kV do uključivo 52 kV za korištenje u teškim klimatskim uvjetima (IEC/TS 62271-304:2008)

## HZN/TO E20, Električni kabeli

- FprEN 60811-512:2010 en  
Electric and optical fibre cables — Test methods for non-metallic materials — Part 512: Mechanical tests — Tensile strength and elongation at break after conditioning at elevated temperature — Methods specific to polyethylene and polypropylene compounds (IEC 60811-512:201X)

## HZN/TO E23, Električni instalacijski pribor

- EN 60898-1:2003/prAB:2010 en  
Electrical accessories — Circuit breakers for overcurrent protection for household and similar installations — Part 1: Circuit-breakers for a.c. operation
- FprEN 62549:2010 en  
Articulated systems and flexible systems for cable guiding (IEC 62549:201X)

## HZN/TO E31, Eksplozivne atmosfere

- EN 13463-1:2009 en  
Non-electrical equipment for use in potentially explosive atmospheres — Part 1: Basic method and requirements  
Neelektrična oprema za potencijalno eksplozivne atmosfere — 1. dio: Osnovne metode i zahtjevi
- EN 15089:2009 en  
Explosion isolation systems  
Sustavi za izoliranje eksplozije
- FprEN 60079-35-2:2010 en  
Caplights for use in mines susceptible to firedamp — Part 2: Performance and other safety-related matters (IEC 60079-35-2:201X)

## HZN/TO E45, Nuklearna instrumentacija

- EN 60761-1:2004 en  
Equipment for continuous monitoring radioactivity in gaseous effluents — Part 1: General requirements (IEC 60761-1:2002, MOD)  
Oprema za kontinuirano nadziranje radioaktivnosti u plinovitim ispuštima — 1. dio: Opći zahtjevi (IEC 60761-1:2002, MOD)
- EN 60761-2:2004 en  
Equipment for continuous monitoring radioactivity in gaseous effluents — Part 2: Specific requirements for aerosols monitors including transuranic aerosols (IEC 60761-2:2002, MOD)  
Oprema za kontinuirano nadziranje radioaktivnosti u plinovitim ispuštima — 2. dio: Specifični zahtjevi za monitore za aerosol uključujući transuranijski aerosol (IEC 60761-2:2002, MOD)
- EN 60761-5:2004 en  
Equipment for continuous monitoring radioactivity in gaseous effluents — Part 5: Specific requirements for tritium monitors (IEC 60761-5:2002, MOD)  
Oprema za kontinuirano praćenje radioaktivnosti u plinovitim ispuštima — 5. dio: Specifični zahtjevi za monitore za tricij (IEC 60761-5:2002, MOD)

## HZN/TO E56, Pouzdanost

- EN 31010:2010 en  
Risk management — Risk assessment techniques (IEC/ISO 31010:2009)  
Upravljanje rizikom — Metode procjene rizika (IEC/ISO 31010:2009)
- EN 60300-3-11:2009 en  
Dependability management — Part 3-11: Application guide — Reliability centred maintenance (IEC 60300-3-11:2009)  
Upravljanje pouzdanošću — Dio 3-11: Upute za primjenu — Održavanje s naglaskom na pouzdanost (IEC 60300-3-11:2009)
- EN 60300-3-15:2009 en  
Dependability management — Part 3-15: Application guide — Engineering of system dependability (IEC 60300-3-15:2009)  
Upravljanje pouzdanošću — Dio 3-15: Upute za primjenu — Tehnike povećanja pouzdanosti sustava (IEC 60300-3-15:2009)
- EN 61907:2010 en  
Communication network dependability engineering (IEC 61907:2009)  
Tehnike povećanja pouzdanosti komunikacijske mreže (IEC 61907:2009)

- EN 62402:2007 en  
Obsolescence management – Application guide (IEC 62402:2007)  
Upravljanje starenjem opreme – Upute za primjenu (IEC 62402:2007)
- EN 62429:2008 en  
Reliability growth – Stress testing for early failures in unique complex systems (IEC 62429:2007)  
Povećanje pouzdanosti – Otkrivanje početnih kvarova jedinstvenih složenih sustava podvrgavanjem naprezanjima (IEC 62429:2007)

### **HZN/TO E59, *Uporabne značajke električnih kućanskih aparata***

- prEN 50559 en  
Electric room heating, underfloor heating, characteristics of performance – Definitions, method of testing, sizing and formula symbols
- prEN 60456:2010 en  
Clothes washing machines for household use – Methods for measuring the performance (IEC 60456:2010, MOD)

### **HZN/TO E61, *Sigurnost električnih kućanskih i sličnih aparata***

- FprEN 60335-2-92:2010 en  
Household and similar electrical appliances – Safety – Part 2-92: Particular requirements for pedestrian-controlled mains-operated lawn scarifiers and aerators (IEC 60335-2-92:2002, MOD+Corr:2003)

### **HZN/TO E62, *Električna oprema u medicinskoj praksi***

- prEN 45502-1:2010 en  
Active implantable medical devices – Part 1: General requirements for safety, marking and information to be provided by the manufacturer
- EN 60601-2-19:2009 en  
Medical electrical equipment – Part 2-19: Particular requirements for the basic safety and essential performance of infant incubators (IEC 60601-2-19:2009)  
Medicinski električni uređaji – Dio 2-19: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke inkubatora za novorođenčad (IEC 60601-2-19:2009)
- EN 60601-2-2:2009 en  
Medical electrical equipment – Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories (IEC 60601-2-2:2009)  
Medicinski električni uređaji – Dio 2-2: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke visokofrekvencijskih kirurških uređaja i visokofrekvencijskih kirurških pribora (IEC 60601-2-2:2009)
- EN 60601-2-20:2009 en  
Medical electrical equipment – Part 2-20: Particular requirements for the basic safety and essential performance of infant transport incubators (IEC 60601-2-20:2009)  
Medicinski električni uređaji – Dio 2-20: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke prijevoznih inkubatora za novorođenčad (IEC 60601-2-20:2009)
- EN 60601-2-21:2009 en  
Medical electrical equipment – Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers (IEC 60601-2-21:2009)  
Medicinski električni uređaji – Dio 2-21: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke za grijače novorođenčadi koji griju zračenjem (IEC 60601-2-21:2009)
- EN 60601-2-29:2008 en  
Medical electrical equipment – Part 2-29: Particular requirements for the basic safety and essential performance of radiotherapy simulators (IEC 60601-2-29:2008)  
Medicinski električni uređaji – Dio 2-29: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke radioterapijskih simulatora (IEC 60601-2-29:2008)
- EN 60601-2-41:2009 en  
Medical electrical equipment – Part 2-41: Particular requirements for basic safety and essential performance of surgical luminaires and luminaires for diagnosis (IEC 60601-2-41:2009)  
Medicinska električna oprema – Dio 2-41: Posebni zahtjevi za sigurnost i bitne radne značajke kirurške i dijagnostičke opreme za osvjetljavanje (IEC 60601-2-41:2009)

- EN 60601-2-44:2009 en  
Medical electrical equipment – Part 2-44: Particular requirements for the basic safety and essential performance of X-ray equipment for computed tomography (IEC 60601-2-44:2009+Corr.1:2010)  
Medicinska električna oprema – Dio 2-44: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke rendgenske opreme za komputoriziranu tomografiju (IEC 60601-2-44:2009+Corr.1:2010)
- EN 60601-2-50:2009 en  
Medical electrical equipment – Part 2-50: Particular requirements for the basic safety and essential performance of infant phototherapy equipment (IEC 60601-2-50:2009+Corr.1:2010)  
Medicinska električna oprema – Dio 2-50: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke opreme za fototerapiju novorođenčadi (IEC 60601-2-50:2009+Corr.1:2010)
- EN 60601-2-54:2009 en  
Medical electrical equipment – Part 2-54: Particular requirements for the basic safety and essential performance of X-ray equipment for radiography and radioscopy (IEC 60601-2-54:2009+Corr.1:2010)  
Medicinska električna oprema – Dio 2-54: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke rendgenske opreme za radiografiju i radioskopiju (IEC 60601-2-54:2009+Corr.1:2010)
- EN 61676:2002/A1:2009 en  
Medical electrical equipment – Dosimetric instruments used for non-invasive measurement of X-ray tube voltage in diagnostic radiology (IEC 61676:2002/am1:2008)  
Medicinska električna oprema – Uređaji za neinvazivno mjerenje zračenja rendgenske cijevi u dijagnostičkoj radiologiji (IEC 61676:2002/am1:2008)
- EN 62083:2009 en  
Medical electrical equipment – Requirements for the safety of radiotherapy treatment planning systems (IEC 62083:2009)  
Medicinska električna oprema – Zahtjevi za sigurnost radioterapijskih sustava za planiranje terapije (IEC 62083:2009)
- EN 62494-1:2008 en  
Medical electrical equipment – Exposure index of digital X-ray imaging systems – Part 1: Definitions and requirements for general radiography (IEC 62494-1:2008)  
Medicinska električna oprema – Indeks izlaganja kod sustava digitalnih rendgenskih slikanja – 1. dio: Definicije i zahtjevi za opću radiografiju (IEC 62494-1:2008)
- EN 80601-2-35:2009 en  
Medical electrical equipment – Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads and mattresses and intended for heating in medical use (IEC 80601-2-35:2009)  
Medicinska električna oprema – Dio 2-35: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke uređaja za grijanje koji upotrebljavaju pokrivače, jastuke i madrace, a namijenjeni su za grijanje u medicinske svrhe (IEC 80601-2-35:2009)
- EN 80601-2-58:2009 en  
Medical electrical equipment – Part 2-58: Particular requirements for the basic safety and essential performance of lens removal devices and vitrectomy devices for ophthalmic surgery (IEC 80601-2-58:2008)  
Medicinska električna oprema – Dio 2-58: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke uređaja za uklanjanje leća i uređaja za vitrektomiju za oftalmološku kirurgiju (IEC 80601-2-58:2008)

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

- EN 61003-2:2009 en  
Industrial-process control systems – Instruments with analogue inputs and two- or multi-state outputs – Part 2: Guidance for inspection and routine testing (IEC 61003-1:2009)  
Sustavi za vođenje industrijskih procesa – Instrumenti s analognim ulazima i izlazima s dva ili više stanja – 2. dio: Uputa za inspekciju i rutinska ispitivanja (IEC 61003-1:2009)
- CLC/TR 61158-1:2008 en  
Industrial communication networks – Fieldbus specifications – Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series (IEC/TR 61158-1:2007)



- Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – 1. dio: Pregled i upute za niz norma IEC 61158 i IEC 61784 (IEC/TR 61158-1:2007)
- EN 61158-2:2008 en  
Industrial communication networks – Fieldbus specifications – Part 2: Physical layer specification and service definition (IEC 61158-2:2007)  
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – 2. dio: Specifikacija fizičkog sloja OSI referentnog modela i definicija usluge (IEC 61158-2:2007)
- EN 61298-1:2008 en  
Process measurement and control devices – General methods and procedures for evaluating performance – Part 1: General considerations (IEC 61298-1:2008)  
Uređaji za procesno mjerenje i vođenje – Opće metode i postupci ocjenjivanja djelovanja – 1. dio: Opće pretpostavke (IEC 61298-1:2008)
- EN 61298-2:2008 en  
Process measurement and control devices – General methods and procedures for evaluating performance – Part 2: Tests under reference conditions (IEC 61298-2:2008)  
Uređaji za procesno mjerenje i vođenje – Opće metode i postupci ocjenjivanja djelovanja – 2. dio: Ispitivanja pri referentnim uvjetima (IEC 61298-2:2008)
- EN 61298-3:2008 en  
Process measurement and control devices – General methods and procedures for evaluating performance – Part 3: Tests for the effects of influence quantities (IEC 61298-3:2008)  
Uređaji za procesno mjerenje i vođenje – Opće metode i postupci ocjenjivanja djelovanja – 3. dio: Ispitivanja učinaka utjecajnih veličina (IEC 61298-3:2008)
- EN 61298-4:2008 en  
Process measurement and control devices – General methods and procedures for evaluating performance – Part 4: Evaluation report content (IEC 61298-4:2008)  
Uređaji za procesno mjerenje i vođenje – Opće metode i postupci ocjenjivanja djelovanja – 4. dio: Sadržaj izvještaja o ocjenjivanju (IEC 61298-4:2008)
- EN 61508-1:2010 en  
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 1: General requirements (IEC 61508-1:2010)  
Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 1. dio: Opći zahtjevi (IEC 61508-1:2010)
- EN 61508-2:2010 en  
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems (IEC 61508-2:2010)  
Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 2. dio: Zahtjevi za električne/elektroničke/programirljive elektroničke sigurnosne sustave (IEC 61508-2:2010)
- EN 61508-3:2010 en  
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 3: Software requirements (IEC 61508-3:2010)  
Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 3. dio: Zahtjevi za softver (IEC 61508-3:2010)
- EN 61508-4:2010 en  
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 4: Definitions and abbreviations (IEC 61508-4:2010)  
Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 4. dio: Definicije i kratice (IEC 61508-4:2010)
- EN 61508-5:2010 en  
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 5: Examples of methods for the determination of safety integrity levels (IEC 61508-5:2010)  
Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 5. dio: Primjeri metoda za određivanje razina nepovredivosti sigurnosti (IEC 61508-5:2010)
- EN 61508-6:2010 en  
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 6: Guidelines on the application of IEC 61508-2 and IEC 61508-3 (IEC 61508-6:2010)
- Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 6. dio: Upute o primjeni IEC 61508-2 i IEC 61508-3 (IEC 61508-6:2010)
- EN 61508-7:2010 en  
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 7: Overview of techniques and measures (IEC 61508-7:2010)  
Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 7. dio: Pregled tehnika i mjera (IEC 61508-7:2010)
- EN 61804-2:2007 en  
Function blocks (FB) for process control – Part 2: Specification of FB concept (IEC 61804-2:2006)  
Funkcijski blokovi (FB) za vođenje procesa – 2. dio: Specifikacija koncepcije funkcijskih blokova (IEC 61804-2:2006)
- EN 61987-10:2009 en  
Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 10: Lists of properties (LOPs) for industrial-process measurement and control for electronic data exchange – Fundamentals (IEC 61987-10:2009)  
Mjerenje i vođenje industrijskih procesa – Strukture podataka i elemenata u katalozima procesne opreme – 10. dio: Popisi svojstava (LOPs) za mjerenje i vođenje industrijskih procesa za elektroničku izmjenu podataka – Osnove (IEC 61987-10:2009)
- EN 62419:2009 en  
Control technology – Rules for the designation of measuring instruments (IEC 62419:2008)  
Tehnologija vođenja – Pravila označavanja mjernih instrumenata (IEC 62419:2008)
- EN 62453-1:2009 en  
Field device tool (FDT) interface specification – Part 1: Overview and guidance (IEC 62453-2:2009)  
Specifikacija sučelja alata za uređaje u postrojenju (FDT) – 1. dio: Pregled i upute (IEC 62453-2:2009)
- EN 62453-2:2009 en  
Field device tool (FDT) interface specification – Part 2: Concepts and detailed description (IEC 62453-2:2009)  
Specifikacija sučelja alata za uređaje u postrojenju (FDT) – 2. dio: Koncepcije i detaljan opis (IEC 62453-2:2009)
- EN 62453-301:2009 en  
Field device tool (FDT) interface specification – Part 301: Communication profile integration – IEC 61784 CPF 1 (IEC 62453-301:2009)  
Specifikacija sučelja alata za uređaje u postrojenju (FDT) – 301. dio: Integracija komunikacijskog profila – IEC 61784 CPF 1 (IEC 62453-301:2009)
- EN 62453-302:2009 en  
Field device tool (FDT) interface specification – Part 302: Communication profile integration – IEC 61784 CPF 2 (IEC 62453-302:2009)  
Specifikacija sučelja alata za uređaje u postrojenju (FDT) – 302. dio: Integracija komunikacijskog profila – IEC 61784 CPF 2 (IEC 62453-302:2009)
- EN 62453-303-1:2009 en  
Field device tool (FDT) interface specification – Part 303-1: Communication profile integration – IEC 61784 CP 3/1 and CP 3/2 (IEC 62453-303-1:2009)  
Specifikacija sučelja alata za uređaje u postrojenju (FDT) – Dio 303-1: Integracija komunikacijskog profila – IEC 61784 CP 3/1 and CP 3/2 (IEC 62453-303-1:2009)
- EN 62453-303-2:2009 en  
Field device tool (FDT) interface specification – Part 303-2: Communication profile integration – IEC 61784 CP 3/4, CP 3/5 and CP 3/6 (IEC 62453-303-2:2009)  
Specifikacija sučelja alata za uređaje u postrojenju (FDT) – Dio 303-2: Integracija komunikacijskog profila – IEC 61784 CP 3/4, CP 3/5 and CP 3/6 (IEC 62453-303-2:2009)
- EN 62453-306:2009 en  
Field device tool (FDT) interface specification – Part 306: Communication profile integration – IEC 61784 CPF 6 (IEC 62453-306:2009)  
Specifikacija sučelja alata za uređaje u postrojenju (FDT) – Dio 306: Integracija komunikacijskog profila – IEC 61784 CPF 6 (IEC 62453-306:2009)
- EN 62453-309:2009 en  
Field device tool (FDT) interface specification – Part 309: Communication profile integration – IEC 61784 CPF 9 (IEC 62453-309:2009)  
Specifikacija sučelja alata za uređaje u postrojenju (FDT) – Dio 309: Integracija komunikacijskog profila – IEC 61784 CPF 9 (IEC 62453-309:2009)

EN 62453-315:2009 en

Field device tool (FDT) interface specification – Part 315: Communication profile integration – IEC 61784 CPF 15 (IEC 62453-315:2009)  
Specifikacija sučelja alata za uređaje u postrojenju (FDT) – Dio 315: Integracija komunikacijskog profila – IEC 61784 CPF 15 (IEC 62453-315:2009)

### **HZN/TO E72, Naprave za automatsko upravljanje u kućanstvu**

IEC 60730-1:2010 en

Automatic electrical controls for household and similar use – Part 1: General requirements  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 1. dio: Opći zahtjevi

EN 60730-2-15:2010 en

Automatic electrical controls for household and similar use – Part 2-15: Particular requirements for automatic electrical air flow, water flow and water level sensing controls (IEC 60730-2-15:2008, MOD)  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-15: Posebni zahtjevi za automatske električne regulatore protoka zraka, protoka vode i razine vode (IEC 60730-2-15:2008, MOD)

EN 60730-2-5:2002/A2:2010 en

Automatic electrical controls for household and similar use – Part 2-5: Particular requirements for automatic electrical burner control systems (IEC 60730-2-5:2000/am2:2008, MOD)  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-5: Posebni zahtjevi za električne automatske upravljačke sustave plamenika (IEC 60730-2-5:2000/am2:2008, MOD)

### **HZN/TO E80, Pomorska navigacijska i radiokomunikacijska oprema i sustavi**

EN 61097-14:2010 en

Global maritime distress and safety system (GMDSS) – Part 14: AIS Search And Rescue Transmitter (AIS-SART) – Operational and performance requirements, methods of testing and required test results (IEC 61097-14:2010)  
Svjetski pomorski sustav pogibelji i sigurnosti (GMDSS) – 14. dio: AIS odašiljač za traganje i spašavanje (AIS-SART) – Radni i izvedbeni zahtjevi, načini ispitivanja i zahtijevani rezultati ispitivanja (IEC 61097-14:2010)

EN 61108-3:2010 en

Maritime navigation and radiocommunication equipment and systems – Global navigation satellite systems (GNSS) – Part 3: Galileo receiver equipment – Performance requirements, methods of testing and required test results (IEC 61108-3:2010)  
Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Svjetski navigacijski satelitski sustavi (GNSS) – 3. dio: Prijemnik sustava Galileo – Izvedbeni zahtjevi, metode ispitivanja i zahtijevani rezultati ispitivanja (IEC 61108-3:2010)

EN 61162-3:2008/A1:2010 en

Maritime navigation and radiocommunication equipment and systems – Digital interfaces – Part 3: Serial data instrument network (IEC 61162-3:2008/am1:2010)  
Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Digitalna sučelja – 3. dio: Mreža instrumenata sa serijskim prijenosom podataka (IEC 61162-3:2008/am1:2010)

EN 62616:2010 en

Maritime navigation and radiocommunication equipment and systems – Bridge navigational watch alarm system (BNWAS) (IEC 62616:2010)  
Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Alarmni sustav navigacijske straže na mostu (BNWAS) (IEC 62616:2010)

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

EN 60065:2002/FprAC:2010 en

Audio, video and similar electronic apparatus – Safety requirements

EN 60950-1:2006/FprAD:2010 en

Information technology equipment – Safety – Part 1: General requirements

### **HZN/TO E502, Elektrotehnički aspekti telekomunikacijske opreme**

ISO/IEC 11801:2008/am2:2010 en

Information technology – Generic cabling for customer premises  
Informacijska tehnologija – Generičko kabliranje korisničkih prostora

ISO/IEC 14763-3:2006/am1:2009 en

Information technology – Implementation and operation of customer premises cabling – Part 3: Testing of optical fibre cabling  
Informacijska tehnologija – Izvedba i pogon kabliranja korisničkih prostora – 3. dio: Ispitivanje svjetlovodnog kabliranja

ISO/IEC 15018:2004/am1:2009 en

Information technology – Generic cabling for homes  
Informacijska tehnologija – Generičko kabliranje stambenih prostora

ISO/IEC 24702:2006/am1:2009 en

Information technology – Generic cabling – Industrial premises  
Informacijska tehnologija – Generičko kabliranje – Industrijski prostori

ISO/IEC 24764:2010 en

Information technology – Generic cabling systems for data centres  
Informacijska tehnologija – Generički sustavi kabliranja podatkovnih centara

CLC/TR 50173-99-2:2010 en

Information technology – Implementation of BCT applications using cabling in accordance with EN 50173-4  
Informacijska tehnologija – Implementacija (izvedba) BCT (Broadcast and Communication Technologies) aplikacija uporabom kabliranja u skladu s EN 50173-4

### **HZN/TO Z1, Informacijska tehnologija**

prEN 14169-3 en

Protection profiles for secure signature creation device – Part 3: Device with key import

prEN 14169-4 en

Protection profiles for secure signature creation device – Part 4: Extension for device with key generation and trusted communication with certificate generation application

prEN 14169-5 en

Protection profiles for secure signature creation device – Part 5: Device with key generation and trusted communication with signature-creation application

prEN 14169-6 en

Protection profiles for secure signature creation device – Part 6: Device with key import and trusted communication with signature-creation application

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

EN 958:2006/FprA1 en

Mountaineering equipment – Energy absorbing systems for use in klettersteig (via ferrata) climbing – Safety requirements and test methods

prEN 16118 en

Sheltered housing – Requirements for services for elderly people provided in a sheltered housing scheme

### **HZN/TU I1, Strojstvo 1**

EN 13112:2002+A1:2009 en

Tannery machines – Splitting and bandknife shearing machines – Safety requirements

EN 13114:2002+A1:2009 en

Tannery machines – Rotating process vessels – Safety requirements

EN 13457:2004+A1:2010 en

Footwear, leather and imitation leather goods manufacturing machines – Splitting, skiving, cutting, cementing and cement drying machines – Safety requirements

EN ISO 14314:2009 en

Reciprocal internal combustion engines – Recoil starting equipment – General safety requirements (ISO 14314:2004)

## HZNTU I2, *Strojarstvo 2*

- prEN 488 en  
District heating pipes – Preinsulated bonded pipe systems for directly buried hot water networks – Steel valve assembly for steel service pipes, polyurethane thermal insulation and outer casing of polyethylene
- EN 500-1:2006+A1:2009 en  
Mobile road construction machinery – Safety – Part 1: Common requirements
- FprEN 500-4 en  
Mobile road construction machinery – Safety – Part 4: Specific requirements for compaction machines
- prEN 779 en  
Particulate air filters for general ventilation – Determination of the filtration performance
- EN 809:1998+A1:2009+AC:2010 en  
Pumps and pump units for liquids – Common safety requirements
- FprEN 1012-1 en  
Compressors and vacuum pumps – Safety requirements – Part 1: Air compressors
- EN 1247:2004+A1:2010 en  
Foundry machinery – Safety requirements for ladles, pouring equipment, centrifugal casting machines, continuous and semi continuous casting machines
- EN 1822-1:2009 en  
High efficiency air filters (EPA, HEPA and ULPA) – Part 1: Classification, performance testing, marking
- EN 1822-2:2009 en  
High efficiency air filters (EPA, HEPA and ULPA) – Part 2: Aerosol production, measuring equipment, particle counting statistics
- EN 1822-3:2009 en  
High efficiency air filters (EPA, HEPA and ULPA) – Part 3: Testing flat sheet filter media
- EN 1822-4:2009 en  
High efficiency air filters (EPA, HEPA and ULPA) – Part 4: Determining leakage of filter elements (scan method)
- EN 1822-5:2009 en  
High efficiency air filters (EPA, HEPA and ULPA) – Part 5: Determining the efficiency of filter elements
- EN 1829-1:2010 en  
High pressure water jet machines – Safety requirements – Part 1: Machines
- FprEN ISO 2858 en  
END-suction centrifugal pumps (rating 16 bar) – Designation, nominal duty point and dimensions (ISO 2858:1975)
- prEN ISO 2867 en  
Earth-moving machinery – Access systems (ISO/DIS 2867:2009)
- prEN ISO 3450 en  
Earth-moving machinery – Wheeled or high-speed rubber-tracked machines – Performance requirements and test procedures for brake systems (ISO/DIS 3450:2009)
- FprEN ISO 3661 en  
END-suction centrifugal pumps – Baseplate and installation dimensions (ISO 3661:1977)
- prEN ISO 10801 en  
Nanotechnologies – Generation of metal nanoparticles for inhalation toxicity testing using the evaporation/condensation method (ISO/DIS 10801:2009)
- prEN ISO 10808 en  
Nanotechnologies – Characterization of nanoparticles in inhalation exposure chambers for inhalation toxicity testing – Complementary element (ISO 10808:2009)
- FprCEN ISO/TR 11811 en  
Nanotechnologies – Guidance on methods for nanotribology measurements (ISO/DTR 11811:2010)
- EN 12001:2003+A1:2009 en  
Conveying, spraying and placing machines for concrete and mortar – Safety requirements
- CEN/TS 12977-1:2010 en  
Thermal solar systems and components – Custom built systems – Part 1: General requirements for solar water heaters and combisystems
- CEN/TS 12977-2:2010 en  
Thermal solar systems and components – Custom built systems – Part 2: Test methods for solar water heaters and combisystems
- CEN/TS 12977-4:2010 en  
Thermal solar systems and components – Custom built systems – Part 4: Performance test methods for solar combistores
- CEN/TS 12977-5:2010 en  
Thermal solar systems and components – Custom built systems – Part 5: Performance test methods for control equipment
- EN 13035-3:2003+A1:2009+AC:2010 en  
Machines and plants for the manufacture, treatment and processing of flat glass – Safety requirements – Part 3: Cutting machines
- EN 13035-4:2003+A1:2009 en  
Machines and plants for the manufacture, treatment and processing of flat glass – Safety requirements – Part 4: Tilting tables
- EN 13035-5:2006+A1:2009 en  
Machines and plants for the manufacture, treatment and processing of flat glass – Safety requirements – Part 5: Machines and installations for stacking and de-stacking
- EN 13035-6:2006+A1:2009 en  
Machines and plants for the manufacture, treatment and processing of flat glass – Safety requirements – Part 6: Machines for break-out
- EN 13035-7:2006+A1:2009 en  
Machines and plants for the manufacture, treatment and processing of flat glass – Safety requirements – Part 7: Cutting machines for laminated glass
- EN 13035-9:2006+A1:2010 en  
Machines and plants for the manufacture, treatment and processing of flat glass – Safety requirements – Part 9: Washing installations
- EN 13042-1:2007+A1:2009 en  
Machines and plants for the manufacture, treatment and processing of hollow glass – Safety requirements – Part 1: Gob feeder
- EN 13309:2010 en  
Construction machinery – Electromagnetic compatibility of machines with internal power supply
- CEN/TS 13778:2004 en  
Mobile demolition machinery – Safety requirements
- CEN/TR 13930:2009+AC:2010 en  
Rotodynamic pumps – Design of pump intakes – Recommendations for installation of pumps
- CEN/TR 13931:2009+AC:2010 en  
Rotodynamic pumps – Forces and moments on flanges – Centrifugal, mixed flow and axial flow horizontal and vertical shafts pumps
- CEN/TR 13932:2009 en  
Rotodynamic pumps – Recommendations for fitting of inlet and outlet on piping
- CEN/TS 15730:2008 en  
Earth-moving machinery – Guidelines for assessment of exposure to whole-body vibration of ride-on machines – Use of harmonized data measured by international institutes, organizations and manufacturers (ISO/TR 25398:2006)
- EN 15805:2009 en  
Particulate air filters for general ventilation – Standardised dimensions
- prEN 15949 en  
Safety of machinery – Safety requirements for bar mills, structural steel mills and wire rod mills
- prEN ISO 19432 en  
Building construction machinery and equipment – Portable, hand-held, internal combustion engine driven cut-off machines – Safety requirements (ISO/DIS 19432:2009)
- CEN ISO/TS 27687:2009 en  
Nanotechnologies – Terminology and definitions for nano-objects – Nanoparticle, nanofibre and nanoplate (ISO/TS 27687:2008)

## HZNTU N1, *Nemetalni materijali 1*

- EN ISO 8894-1:2010 en  
Refractory materials – Determination of thermal conductivity – Part 1: Hot-wire methods (cross-array and resistance thermometer) (ISO 8894-1:2010)
- EN 14425-3:2010 en  
Advanced technical ceramics – Test methods for determination of fracture toughness of monolithic ceramics – Part 3: Chevron notched beam (CNB) method

prEN ISO 14719 en  
Chemical analysis of refractory material glass and glazes – Determination of Fe<sup>2+</sup> and Fe<sup>3+</sup> by the spectral photometric method with 1-10 phenantroline (ISO/DIS 14719:2010)

FprEN 14961-2 en  
Solid biofuels – Fuel specifications and classes – Part 2: Wood pellets for non-industrial use

FprEN 14961-3 en  
Solid biofuels – Fuel specifications and classes – Part 3: Wood briquettes for non-industrial use

FprEN 14961-4 en  
Solid biofuels – Fuel specifications and classes – Part 4: Wood chips for non-industrial use

FprEN 14961-5 en  
Solid biofuels – Fuel specifications and classes – Part 5: Firewood for non-industrial use

FprEN 15104 en  
Solid biofuels – Determination of total content of carbon, hydrogen and nitrogen – Instrumental methods

FprEN 15105 en  
Solid biofuels – Determination of the water soluble chloride, sodium and potassium content

FprEN 15234-1 en  
Solid biofuels – Fuel quality assurance – Part 1: General requirements

FprEN 15289 en  
Solid biofuels – Determination of total content of sulfur and chlorine

FprEN 15290 en  
Solid biofuels – Determination of major elements – Al, Ca, Fe, Mg, P, K, Si, Na and Ti

FprEN 15296 en  
Solid biofuels – Conversion of analytical results from one basis to another

FprEN 15297 en  
Solid biofuels – Determination of minor elements – As, Cd, Co, Cr, Cu, Hg, Mn, Mo, Ni, Pb, Sb, V and Zn

CEN/TS 15401:2010 en  
Solid recovered fuels – Determination of bulk density

CEN/TS 15412:2010 en  
Solid recovered fuels – Methods for the determination of metallic aluminium

CEN/TS 15414-1:2010 en  
Solid recovered fuels – Determination of moisture content using the oven dry method – Part 1: Determination of total moisture by a reference method

CEN/TS 15414-2:2010 en  
Solid recovered fuels – Determination of moisture content using the oven dry method – Part 2: Determination of total moisture content by a simplified method

prEN 15415-1 en  
Solid recovered fuels – Determination of particle size distribution – Part 1: Screen method for small dimension particles

prEN 15415-2 en  
Solid recovered fuels – Determination of particle size distribution – Part 2: Maximum projected length method (manual) for large dimension particles

prEN 15415-3 en  
Solid recovered fuels – Determination of particle size distribution – Part 3: Method by image analysis for large dimension particles

prEN 16126 en  
Solid biofuels – Determination of particle size distribution of disintegrated pellets

prEN 16127 en  
Solid biofuels – Determination of length and diameter for pellets and cylindrical briquettes

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

EN 455-2:2009 en  
Medical gloves for single use – Part 2: Requirements and testing for physical properties

EN 455-2:2009/FprA1 en  
Medical gloves for single use – Part 2: Requirements and testing for physical properties

EN 455-4:2009 en  
Medical gloves for single use – Part 4: Requirements and testing for shelf life determination

EN 1060-1:1995+A2:2009 en  
Non-invasive sphygmomanometers – Part 1: General requirements

EN 1060-2:1995+A1:2009 en  
Non-invasive sphygmomanometers – Part 2: Supplementary requirements for mechanical sphygmomanometers

EN 1060-3:1997+A2:2009 en  
Non-invasive sphygmomanometers – Part 3: Supplementary requirements for electro-mechanical blood pressure measuring systems

EN ISO 1135-4:2010 en  
Transfusion equipment for medical use – Part 4: Transfusion sets for single use (ISO 1135-4:2010)

EN 1639:2009 en  
Dentistry – Medical devices for dentistry – Instruments

EN 1640:2009 en  
Dentistry – Medical devices for dentistry – Equipment

EN 1641:2009 en  
Dentistry – Medical devices for dentistry – Materials

EN 1642:2009 en  
Dentistry – Medical devices for dentistry – Dental implants

FprEN ISO 1942 en  
Dentistry – Vocabulary (ISO 1942:2009, Corrected version 2010-03-01)

EN ISO 6360-2:2004/prA1 en  
Dentistry – Number coding system for rotary instruments – Part 2: Shapes – Amendment 1 (ISO 6360-2:2004/DAM 1:2010)

prEN ISO 6876 en  
Dentistry – Root canal sealing materials (ISO/DIS 6876:2010)

FprEN ISO 8536-4 en  
Infusion equipment for medical use – Part 4: Infusion sets for single use, gravity feed (ISO 8536-4:2010)

FprEN ISO 9187-1 en  
Injection equipment for medical use – Part 1: Ampoules for injectables (ISO/FDIS 9187-1:2010)

FprEN ISO 9187-2 en  
Injection equipment for medical use – Part 2: One-point-cut (OPC) ampoules (ISO/FDIS 9187-2:2010)

prEN ISO 9693-1 en  
Dentistry – Compatibility testing – Part 1: Metal-ceramic systems (ISO/DIS 9693-1:2010)

EN 13795-1:2002+A1:2009 en  
Surgical drapes, gowns and clean air suits, used as medical devices, for patients, clinical staff and equipment – Part 1: General requirements for manufacturers, processors and products

EN 13795-2:2004+A1:2009 en  
Surgical drapes, gowns and clean air suits, used as medical devices for patients, clinical staff and equipment – Part 2: Test methods

EN 13795-3:2006+A1:2009 en  
Surgical drapes, gowns and clean air suits, used as medical devices for patients, clinical staff and equipment – Part 3: Performance requirements and performance levels

EN ISO 14602:2010 en  
Non-active surgical implants – Implants for osteosynthesis – Particular requirements (ISO 14602:2010)

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

EN 415-1:2000+A1:2009 en  
Packaging machines safety – Part 1: Terminology and classification of packaging machines and associated equipment

EN 415-3:1999+A1:2009 en  
Safety of packaging machines – Part 3: Form, fill and seal machines

EN 415-5:2006+A1:2009 en  
Safety of packaging machines – Part 5: Wrapping machines

EN 415-6:2006+A1:2009 en  
Safety of packaging machines – Part 6: Pallet wrapping machines

EN 415-9:2009 en  
Safety of packaging machines – Part 9: Noise measurement methods for packaging machines, packaging lines and associated equipment, grade of accuracy 2 and 3

- EN 1459:1998+A2:2010 en  
Safety of industrial trucks — Self-propelled variable reach trucks
- EN 1755:2000+A1:2009 en  
Safety of industrial trucks — Operation in potentially explosive atmospheres — Use in flammable gas, vapour, mist and dust  
Sigurnost industrijskih vozila — Rad u potencijalno eksplozivnoj atmosferi — Uporaba u zapaljivom plinu, pari i prašini
- EN 1915-1:2001+A1:2009 en  
Aircraft ground support equipment — General requirements — Part 1: Basic safety requirements
- EN 1915-2:2001+A1:2009 en  
Aircraft ground support equipment — General requirements — Part 2: Stability and strength requirements, calculations and test methods
- EN 1915-3:2004+A1:2009 en  
Aircraft ground support equipment — General requirements — Part 3: Vibration measurement methods and reduction
- EN 1915-4:2004+A1:2009 en  
Aircraft ground support equipment — General requirements — Part 4: Noise measurement methods and reduction
- EN 2116:2009 en  
Aerospace series — Aluminium alloy 2017A-T42 — Wire for solid rivets — D ≤ 10 mm
- EN 2606:2009 en  
Aerospace series — 60° interface for adaptors, threaded, with locking — Geometric configuration
- EN ISO 3691-5:2009 en  
Industrial trucks — Safety requirements and verification — Part 5: Pedestrian-propelled trucks (ISO 3691-5:2009)
- EN 4301:2009 en  
Aerospace series — Identification marking methods for engine items — Engineering requirements
- EN ISO 12215-8:2009 en  
Small craft — Hull construction and scantlings — Part 8: Rudders (ISO 12215-8:2009)
- EN 12312-1:2001+A1:2009 en  
Aircraft ground support equipment — Specific requirements — Part 1: Passenger stairs
- EN 12312-2:2002+A1:2009 en  
Aircraft ground support equipment — Specific requirements — Part 2: Catering vehicles
- EN 12312-3:2003+A1:2009 en  
Aircraft ground support equipment — Specific requirements — Part 3: Conveyor belt vehicles
- EN 12312-4:2003+A1:2009 en  
Aircraft ground support equipment — Specific requirements — Part 4: Passenger boarding bridges
- EN 12312-5:2005+A1:2009 en  
Aircraft ground support equipment — Specific requirements — Part 5: Aircraft fuelling equipment
- EN 12312-6:2004+A1:2009 en  
Aircraft ground support equipment — Specific requirements — Part 6: Deicers and deicing/antiicing equipment
- EN 12312-7:2005+A1:2009 en  
Aircraft ground support equipment — Specific requirements — Part 7: Air-craft movement equipment
- EN 12312-8:2005+A1:2009 en  
Aircraft ground support equipment — Specific requirements — Part 8: Maintenance stairs and platforms
- EN 12312-9:2005+A1:2009 en  
Aircraft ground support equipment — Specific requirements — Part 9: Container/Pallet loaders
- EN 12312-10:2005+A1:2009 en  
Aircraft ground support equipment — Specific requirements — Part 10: Container/Pallet transfer transporters
- EN 12312-12:2002+A1:2009 en  
Aircraft ground support equipment — Specific requirements — Part 12: Potable water service equipment
- EN 12312-13:2002+A1:2009 en  
Aircraft ground support equipment — Specific requirements — Part 13: Lavatory service equipment
- EN 12312-14:2006+A1:2009 en  
Aircraft ground support equipment — Specific requirements — Part 14: Disabled/incapacitated passenger boarding vehicles
- EN 12312-15:2006+A1:2009 en  
Aircraft ground support equipment — Specific requirements — Part 15: Baggage and equipment tractors
- EN 12312-16:2005+A1:2009 en  
Aircraft ground support equipment — Specific requirements — Part 16: Air start equipment
- EN 12312-17:2004+A1:2009 en  
Aircraft ground support equipment — Specific requirements — Part 17: Air conditioning equipment
- EN 12312-18:2005+A1:2009 en  
Aircraft ground support equipment — Specific requirements — Part 18: Nitrogen or Oxygen units
- EN 12312-19:2005+A1:2009 en  
Aircraft ground support equipment — Specific requirements — Part 19: Aircraft jacks, axle jacks and hydraulic tail stanchions
- EN 12312-20:2005+A1:2009 en  
Aircraft ground support equipment — Specific requirements — Part 20: Electrical ground power units
- EN ISO 14509-3:2009 en  
Small craft — Airborne sound emitted by powered recreational craft — Part 3: Sound assessment using calculation and measurement procedures (ISO 14509-3:2009)
- EN ISO 15085:2003/A1:2009 en  
Small craft — Man-overboard prevention and recovery — Amendment 1 (ISO 15085:2003/Amd 1:2009)
- EN 15194:2009 en  
Cycles — Electrically power assisted cycles — EPAC Bicycles
- CEN/TS 45545-1:2009 en  
Railway applications — Fire protection on railway vehicles — Part 1: General
- CEN/TS 45545-3:2009 en  
Railway applications — Fire protection on railway vehicles — Part 3: Fire resistance requirements for fire barriers
- CEN/TS 45545-6:2009 en  
Railway applications — Fire protection on railway vehicles — Part 6: Fire control and management systems

## HZN/TU U1, *Opća elektrotehnika 1*

- FprEN 61788-15:2010 en  
Superconductivity — Part 15: Electronic characteristic measurements — Intrinsic surface impedance of superconductor films at microwave frequencies (IEC 61788-15:201X)

## HZN/TU V1, *Elektronika 1*

- FprEN 61853-2:2010 en  
Photovoltaic (PV) module performance testing and energy rating — Part 2: Spectral response, incidence angle and module operating temperature measurements (IEC 61853-2:201X)

## 1.4 Povučene hrvatske norme

Na prijedlog tehničkog odbora ravnatelj Hrvatskoga zavoda za norme donosi odluku o povlačenju hrvatske norme kada je donesena nova hrvatska norma ili kada je postojeća hrvatska norma postala neprimjenjiva. Kada je koje područje uređeno propisima i neki od propisa (pravilnik, naredba, naputak) upućuje na norme koje su povučene, one se primjenjuju silom tih propisa i bit će, do izmjene propisa ili izradbe novih, na raspolaganju u Normoteci HZN-a.

## HZN/TO 5, *Metalne cijevi i priključci*

- HRN EN 545:2007 en  
Duktilne željezne cijevi, spojni dijelovi, pribor i njihovi spojevi za cjevovode za vodu — Zahtjevi i metode ispitivanja (EN 545:2006)  
Ductile iron pipes, fittings, accessories and their joints for water pipelines — Requirements and test methods (EN 545:2006)  
- zamijenjena s: HRN EN 545:2010

## HZN/TO 6, *Papir, karton i pulpe*

- HRN EN 1230-1:2002 en  
Papir i karton koji dolaze u dodir s namirnicama – Senzorska analiza – 1. dio: Miris (EN 1230-1:2001)  
Paper and board intended for contact with foodstuffs – Sensory analysis – Part 1: Odour (EN 1230-1:2001)  
- zamijenjena s: HRN EN 1230-1:2010
- HRN EN 1230-2:2002 en  
Papir i karton koji dolaze u dodir s namirnicama – Senzorska analiza – 2. dio: Netipična organoleptička svojstva (kvarljivost) (EN 1230-2:2001)  
Paper and board intended for contact with foodstuffs – Sensory analysis – Part 2: Off-flavour (taint) (EN 1230-2:2001)  
- zamijenjena s: HRN EN 1230-2:2010
- HRN EN 1230-2:2002/Ispr.1:2008 en  
Papir i karton koji dolaze u dodir s namirnicama – Senzorska analiza – 2. dio: Netipična organoleptička svojstva (kvarljivost) (EN 1230-2:2001/AC:2002)  
Paper and board intended for contact with foodstuffs – Sensory analysis – Part 2: Off-flavour (taint) (EN 1230-2:2001/AC:2002)  
- zamijenjena s: HRN EN 1230-2:2010
- HRN EN 20287:2008 en  
Papir i karton – Određivanje sadržaja vlage – Metoda sušenja u sušioniku (ISO 287:1985; EN 20287:1994)  
Paper and board – Determination of moisture content – Oven-drying method (ISO 287:1985; EN 20287:1994)  
- zamijenjena s: HRN EN ISO 287:2010

## HZN/TO 8, *Brodogradnja*

- HRN EN ISO 449:2008 en  
Ships and marine technology – Magnetic compasses, binnacles, and azimuth reading devices – Class A (ISO 449:1997; EN ISO 449:1999)  
- bez zamjene
- HRN EN ISO 613:2008 en  
Ships and marine technology – Magnetic compasses, binnacles and azimuth reading devices – Class B (ISO 613:2000; EN ISO 613:2001)  
- bez zamjene
- HRN EN ISO 694:2003 en  
Brodovi i pomorska tehnologija – Smještaj magnetskoga kompasa na brodu (ISO 694:2000; EN ISO 694:2001)  
Ships and marine technology – Positioning of magnetic compasses in ships (ISO 694:2000; EN ISO 694:2001)  
- bez zamjene

## HZN/TO 22, *Cestovna vozila*

- HRN ISO 512:2001 en  
Cestovna vozila – Uređaji za zvučnu signalizaciju – Tehnička specifikacija (ISO 512:1979)  
Road vehicles – Sound signalling devices – Technical specification (ISO 512:1979)  
- bez zamjene
- HRN ISO 3285:2002 en  
Cestovna vozila – Nosači za ugradnju svitka za paljenje (ISO 3285:1986)  
Road vehicles – Ignition coil mounting brackets (ISO 3285:1986)  
- bez zamjene
- HRN ISO 3437:2003 en  
Cestovna vozila – Određivanje istjecanja goriva u slučaju sudara (ISO 3437:1975)  
Road vehicles – Determination of fuel leakage in the event of a collision (ISO 3437:1975)  
- bez zamjene
- HRN ISO 4092:2001 en  
Cestovna vozila – Dijagnostički sustavi za motorna vozila – Rječnik (ISO 4092:1988)  
Road vehicles – Diagnostic systems for motor vehicles – Vocabulary (ISO 4092:1988)  
- bez zamjene
- HRN ISO 4092/Cor 1:2002 en  
Cestovna vozila – Dijagnostički sustavi za motorna vozila – Rječnik (ISO 4092:1988/Cor 1:1991)  
Road vehicles – Diagnostic systems for motor vehicles – Vocabulary (ISO 4092:1988/Cor 1:1991)  
- bez zamjene

- HRN ISO 7312:2004 en  
Cestovna vozila – Prikjučci filtera zraka – Tipovi A i B (ISO 7312:1984)  
Road vehicles – Air filter connections – Types A and B (ISO 7312:1984)  
- bez zamjene
- HRN ISO 7418:2004 en,fr  
Vozila za odmor – Rječnik (ISO 7418:1989)  
Leisure accommodation vehicles – Vocabulary (ISO 7418:1989)  
- bez zamjene
- HRN ISO 7636:2001 en  
Zvona za bicikle i mopede – Tehničke specifikacije (ISO 7636:1984)  
Bells for bicycles and mopeds – Technical specifications (ISO 7636:1984)  
- bez zamjene
- HRN ISO 7706:2004 en  
Cestovna vozila – Gospodarska vozila – Ugradbeni prostor za priključke za pogon pomoćnih uređaja (ISO 7706:1985)  
Road vehicles – Commercial vehicles – Clearance envelope for power take-offs (PTO) (ISO 7706:1985)  
- bez zamjene
- HRN ISO 7774:2004 en  
Cestovna vozila – Motori s kompresijskim paljenjem – Jednostruki filtri goriva s vodoravnom prirubnicom i središnjim pričvrstnim vijkom – Ugradbene i priključne mjere (ISO 7774:1984)  
Road vehicles – Compression ignition engines – Single fuel filters with horizontal flange and centre bolt fixing – Mounting and connecting dimensions (ISO 7774:1984)  
- bez zamjene
- HRN ISO 8027:2004 en  
Cestovna vozila – Ulošci za filtre zraka za osobne automobile – Tip P i R – Mjere (ISO 8027:1984)  
Road vehicles – Air filter elements for passenger cars – Types P and R – Dimensions (ISO 8027:1984)  
- bez zamjene
- HRN ISO 8856:2001 en  
Cestovna vozila – Električne značajke elektropokretača – Metode ispitivanja i opći zahtjevi (ISO 8856:1995+Amd 1:1997)  
Road vehicles – Electrical performance of starter motors – Test methods and general requirements (ISO 8856:1995+Amd 1:1997)  
- bez zamjene
- HRN ISO 11452-6:2001 en  
Cestovna vozila – Električne smetnje od uskopojasnoga zračenja elektromagnetske energije – Metode ispitivanja sastavnica – 6. dio: Antena s usporodnim pločama (ISO 11452-6:1997+Cor 1:1999)  
Road vehicles – Electrical disturbances by narrowband radiated electromagnetic energy – Component test methods – Part 6: Parallel plate antenna (ISO 11452-6:1997+Cor 1:1999)  
- bez zamjene
- HRN ISO 11509:2001 en  
Cestovna vozila – Vučena vozila s kočnim sustavom sa stlačenim zrakom i protublokirajućim kočnim uređajem (ABS) – Mjerenje kočnih značajka (ISO 11509:1995)  
Road vehicles – Towed vehicles with compressed-air braking system and antilock braking system – Measurement of braking performance (ISO 11509:1995)  
- bez zamjene
- HRN ISO 11835:2003 en  
Cestovna vozila – Motorna vozila s protublokirajućim kočnim sustavom (ABS) – Mjerenje kočnih značajki (ISO 11835:2002)  
Road vehicles – Motor vehicles with antilock braking systems (ABS) – Measurement of braking performance (ISO 11835:2002)  
- bez zamjene

## HZN/TO 28, *Naftni proizvodi i maziva*

- HRN EN 228:2010 en/hr  
Goriva za motorna vozila – Bezolovni motorni benzin – Zahtjevi i metode ispitivanja (EN 228:2008)  
Automotive fuels – Unleaded petrol – Requirements and test methods (EN 228:2008)  
- zamijenjena s: HRN EN 228:2010 hr

HRN EN 14078:2004 en  
Tekući naftni proizvodi – Određivanje metilnih estera masnih kiselina (FAME) u srednjim destilatima – Metoda infracrvene spektrometrije (EN 14078:2003)  
Liquid petroleum products – Determination of fatty acid methyl esters (FAME) in middle distillates – Infrared spectroscopy method (EN 14078:2003)  
- zamijenjena s: HRN EN 14078:2010

## **HZNTO 43, Akustika**

HRN EN ISO 7779:2001 en  
Akustika – Mjerenje buke koju emitira informatička i telekomunikacijska oprema (ISO 7779:1999; EN ISO 7779:2001)  
Acoustics – Measurement of airborne noise emitted by information technology and telecommunications equipment (ISO 7779:1999; EN ISO 7779:2001)  
- zamijenjena s: HRN EN ISO 7779:2010

HRN EN ISO 7779:2001/A1:2008 en  
Akustika – Mjerenje buke koju odašilje informatička i telekomunikacijska oprema – Amandman 1: Specifikacija mjerenja buke CD/DVD-ROM pogona (ISO 7779:2001/Amd 1:2003; EN ISO 7779:2001/A1:2003)  
Acoustics – Measurement of airborne noise emitted by information technology and telecommunications equipment – Amendment 1: Noise measurement specification for CD/DVD-ROM drives (ISO 7779:2001/Amd 1:2003; EN ISO 7779:2001/A1:2003)  
- zamijenjena s: HRN EN ISO 7779:2010

HRN ISO 15186-2:2004 en  
Akustika – Mjerenje zvučne izolacije zgrada i elemenata zgrada uporabom jakosti zvuka – 2. dio: Terenska mjerenja (ISO 15186-2:2003)  
Acoustics – Measurement of sound insulation in buildings and of building elements using sound intensity – Part 2: Field measurements (ISO 15186-2:2003)  
- zamijenjena s: HRN EN ISO 15186-2:2010

HRN ISO 15186-3:2004 en  
Akustika – Mjerenje zvučne izolacije zgrada i elemenata zgrada uporabom jakosti zvuka – 3. dio: Laboratorijska mjerenja na niskim frekvencijama (ISO 15186-3:2002)  
Acoustics – Measurement of sound insulation in buildings and of building elements using sound intensity – Part 3: Laboratory measurements at low frequencies (ISO 15186-3:2002)  
- zamijenjena s: HRN EN ISO 15186-3:2010

## **HZNTO 44, Zavarivanje i srodni postupci**

HRN EN 559:2004 en  
Oprema za plinsko zavarivanje – Gumena crijeva za zavarivanje, rezanje i srodne postupke (EN 559:2003)  
Gas welding equipment – Rubber hoses for welding, cutting and allied processes (EN 559:2003)  
- zamijenjena s: HRN EN ISO 3821:2010

HRN EN 562:2004 en  
Oprema za plinsko zavarivanje – Manometri koji se upotrebljavaju pri zavarivanju, rezanju i srodnim postupcima (EN 562:2003)  
Gas welding equipment – Pressure gauges used in welding, cutting and allied processes (EN 562:2003)  
- zamijenjena s: HRN EN ISO 5171:2010

HRN EN 910:1999 en  
Razorno ispitivanje zavara metalnih materijala – Ispitivanje savijanjem (EN 910:1996)  
Destructive tests on welds in metallic materials – Bend tests (EN 910:1996)  
- zamijenjena s: HRN EN ISO 5173:2010

HRN EN 1044:2001 en  
Tvrdo lemljenje – Lemovi (EN 1044:1999)  
Brazing – Filler metals (EN 1044:1999)  
- zamijenjena s: HRN EN ISO 17672:2010

HRN EN 1289:2000 en  
Nerazorno ispitivanje zavara – Ispitivanje zavara penetrantima – Kriteriji prihvatljivosti (EN 1289:1998)  
Non-destructive examination of welds – Penetrant testing of welds – Acceptance levels (EN 1289:1998)  
- zamijenjena s: HRN EN ISO 23277:2010

HRN EN 1289:2000/A1:2003 en  
Nerazorno ispitivanje zavara – Ispitivanje zavara penetrantima – Razine prihvatljivosti (EN 1289:1998/A1:2002)  
Non-destructive examination of welds – Penetrant testing of welds – Acceptance levels (EN 1289:1998/A1:2002)  
- zamijenjena s: HRN EN ISO 23277:2010

HRN EN 1289:2000/A2:2008 en  
Nerazorno ispitivanje zavara – Ispitivanje zavara penetrantima – Razine prihvatljivosti (EN 1289:1998/A2:2003)  
Non-destructive testing of welds – Penetrant testing of welds – Acceptance levels (EN 1289:1998/A2:2003)  
- zamijenjena s: HRN EN ISO 23277:2010

HRN EN 1290:2000 en  
Nerazorno ispitivanje zavara – Ispitivanje zavarenih spojeva magnetnim česticama (EN 1290:1998)  
Non-destructive examination of welds – Magnetic particle examination of welds (EN 1290:1998)  
- zamijenjena s: HRN EN ISO 17638:2010

HRN EN 1290:2000/A1:2003 en  
Nerazorno ispitivanje zavara – Ispitivanje zavarenih spojeva magnetskim česticama (EN 1290:1998/A1:2002)  
Non-destructive examination of welds – Magnetic particle examination of welds (EN 1290:1998/A1:2002)  
- zamijenjena s: HRN EN ISO 17638:2010

HRN EN 1290:2000/A2:2008 en  
Nerazorno ispitivanje zavara – Ispitivanje zavarenih spojeva magnetnim česticama (EN 1290:1998/A2:2003)  
Non-destructive testing of welds – Magnetic particle testing of welds (EN 1290:1998/A2:2003)  
- zamijenjena s: HRN EN ISO 17638:2010

HRN EN 1291:2000 en  
Nerazorno ispitivanje zavara – Ispitivanje zavarenih spojeva magnetskim česticama – Razine prihvatljivosti (EN 1291:1998)  
Non-destructive examination of welds – Magnetic particle testing of welds – Acceptance levels (EN 1291:1998)  
- zamijenjena s: HRN EN ISO 23278:2010

HRN EN 1291:2000/A1:2003 en  
Nerazorno ispitivanje zavara – Ispitivanje zavarenih spojeva magnetskim česticama – Razine prihvatljivosti (EN 1291:1998/A1:2002)  
Non-destructive examination of welds – Magnetic particle testing of welds – Acceptance levels (EN 1291:1998/A1:2002)  
- zamijenjena s: HRN EN ISO 23278:2010

HRN EN 1291:2000/A2:2008 en  
Nerazorno ispitivanje zavara – Ispitivanje zavara magnetskim česticama – Razine prihvatljivosti (EN 1291:1998/A2:2003)  
Non-destructive testing of welds – Magnetic particle testing of welds – Acceptance levels (EN 1291:1998/A2:2003)  
- zamijenjena s: HRN EN ISO 23278:2010

HRN EN 1708-1:2001 en  
Zavarivanje – Pojedini o osnovnim oblicima zavarenih spojeva na čeliku – 1. dio: Dijelovi pod tlakom (EN 1708-1:1999)  
Welding – Basic weld joint details in steel – Part 1: Pressurized components (EN 1708-1:1999)  
- zamijenjena s: HRN EN 1708-1:2010

HRN EN 1708-1:2001/A1:2008 en  
Zavarivanje – Pojedini o osnovnim oblicima zavarenih spojeva na čeliku – 1. dio: Dijelovi pod tlakom (EN 1708-1:1999/A1:2003)  
Welding – Basic weld joint details in steel – Part 1: Pressurized components (EN 1708-1:1999/A1:2003)  
- zamijenjena s: HRN EN 1708-1:2010

HRN EN 1713:2000 en  
Nerazorno ispitivanje zavara – Ispitivanje ultrazvukom – Karakterizacija indikatora u zavarima (EN 1713:1998)  
Non-destructive examination of welds – Ultrasonic examination – Characterization of indications in welds (EN 1713:1998)  
- zamijenjena s: HRN EN ISO 23279:2010

HRN EN 1713:2000/A1:2003 en  
Nerazorno ispitivanje zavara – Ispitivanje ultrazvukom – Karakterizacija indikacija u zavarima (EN 1713:1998/A1:2002)  
Non-destructive examination of welds – Ultrasonic examination – Characterization of indications in welds (EN 1713:1998/A1:2002)  
- zamijenjena s: HRN EN ISO 23279:2010

HRN EN 1713:2000/A2:2008 en  
Nerazorno ispitivanje zavara – Ispitivanje ultrazvukom – Karakterizacija indikacija u zavarima (EN 1713:1998/A2:2003)  
Non-destructive testing of welds – Ultrasonic testing – Characterization of indications in welds (EN 1713:1998/A2:2003)  
- zamijenjena s: HRN EN ISO 23279:2010

- HRN EN ISO 2503:2001 en  
Oprema za plinsko zavarivanje – Regulatori tlaka za boce koje se upotrebljavaju pri zavarivanju, rezanju i srodnim postupcima za tlakove do 300 bar (ISO 2503:1998; EN ISO 2503:1998+AC:1998)  
Gas welding equipment – Pressure regulators for gas cylinders used in welding, cutting and allied processes up to 300 bar (ISO 2503:1998; EN ISO 2503:1998+AC:1998)  
- zamijenjena s: HRN EN ISO 2503:2010
- HRN EN ISO 2560:2007 en  
Dodatni i potrošni materijali za zavarivanje – Obložene elektrode za ručno elektrolučno zavarivanje nelegiranih i sitnozrnatih čelika – Razredba (ISO 2560:2002; EN ISO 2560:2005)  
Welding consumables – Covered electrodes for manual metal arc welding of non-alloy and fine grain steels – Classification (ISO 2560:2002; EN ISO 2560:2005)  
- zamijenjena s: HRN EN ISO 2560:2010
- HRN EN ISO 4063:2001 en  
Zavarivanje i srodni postupci – Nomenklatura postupaka i referentni brojevi (ISO 4063:1998; EN ISO 4063:2000)  
Welding and allied processes – Nomenclature of processes and reference numbers (ISO 4063:1998; EN ISO 4063:2000)  
- zamijenjena s: HRN EN ISO 4063:2010
- HRN EN ISO 12062:2000 en  
Nerazorno ispitivanje zavara – Opća pravila za metalne materijale (EN 12062:1997)  
Non-destructive examination of welds – General rules for metallic materials (EN 12062:1997)  
- zamijenjena s: HRN EN ISO 17635:2010
- HRN EN ISO 12062:2000/A1:2003 en  
Nerazorno ispitivanje zavara – Opća pravila za metalne materijale (EN 12062:1997/A1:2002)  
Non-destructive examination of welds – General rules for metallic materials (EN 12062:1997/A1:2002)  
- zamijenjena s: HRN EN ISO 17635:2010
- HRN EN ISO 12062:2000/A2:2008 en  
Nerazorno ispitivanje zavara – Opća pravila za metalne materijale (EN 12062:1997/A2:2003)  
Non-destructive examination of welds – General rules for metallic materials (EN 12062:1997/A2:2003)  
- zamijenjena s: HRN EN ISO 17635:2010
- HRN EN ISO 14295:2004 en  
Dodatni i potrošni materijali za zavarivanje – Kombinacije žica i praškova za zavarivanje pod praškom čelika povišene čvrstoće – Razredba (EN 14295:2003)  
Welding consumables – Wire and tubular cored electrodes and electrode-flux combinations for submerged arc welding of high strength steels – Classification (EN 14295:2003)  
- zamijenjena s: HRN EN ISO 26304:2010
- HRN EN ISO 14343:2008 en  
Dodatni i potrošni materijali za zavarivanje – Žičane elektrode, trakaste elektrode, žice i šipke za zavarivanje taljenjem nehrđajućih čelika i čelika otpornih na visoke temperature – Razredba (ISO 14343:2002+Amd 1:2006; EN ISO 14343:2007)  
Welding consumables – Wire electrodes, strip electrodes, wires and rods for fusion welding of stainless and heat resisting steels – Classification (ISO 14343:2002+Amd 1:2006; EN ISO 14343:2007)  
- zamijenjena s: HRN EN ISO 14343:2010
- HRN EN ISO 14344:2008 en  
Zavarivanje i srodni postupci – Elektrolučni postupci zavarivanja pod zaštitom praška i plina – Upute za nabavu dodatnih materijala (ISO 14344:2002; EN ISO 14344:2005)  
Welding and allied processes – Flux and gas shielded electrical welding processes – Procurement guidelines for consumables (ISO 14344:2002; EN ISO 14344:2005)  
- zamijenjena s: HRN EN ISO 14344:2010
- HRN EN ISO 14640:2007 en  
Dodatni i potrošni materijali za zavarivanje – Pune žice i šipke za zavarivanje taljenjem bakra i bakrenih legura – Razredba (EN 14640:2005)  
Welding consumables – Solid wires and rods for fusion welding of copper and copper alloys – Classification (EN 14640:2005)  
- zamijenjena s: HRN EN ISO 24373:2010
- HRN EN ISO 15011-1:2003 en  
Zdravlje i sigurnost pri zavarivanju i srodnim postupcima – Laboratorijska metoda uzorkovanja dima i plinova koji nastaju pri elektrolučnom zavarivanju – 1. dio: Određivanje brzine emisije i uzorkovanje za analizu pojedinog dima (ISO 15011-1:2002; EN ISO 15011-1:2002)
- Health and safety in welding and allied processes – Laboratory method for sampling fume and gases generated by arc welding – Part 1: Determination of emission rate and sampling for analysis of particulate fume (ISO 15011-1:2002; EN ISO 15011-1:2002)  
- zamijenjena s: HRN EN ISO 15011-1:2010
- HRN EN ISO 15011-2:2004 en  
Zdravlje i sigurnost pri zavarivanju i srodnim postupcima – Laboratorijska metoda uzorkovanja dima i plinova koji nastaju pri elektrolučnom zavarivanju – 2. dio: Određivanje brzine emisije plina, osim ozona (ISO 15011-2:2003; EN ISO 15011-2:2003)  
Health and safety in welding and allied processes – Laboratory method for sampling fume and gases generated by arc welding – Part 2: Determination of emission rates of gases, except ozone (ISO 15011-2:2003; EN ISO 15011-2:2003)  
- zamijenjena s: HRN EN ISO 15011-2:2010
- HRN EN ISO 15609-4:2007 en  
Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Specifikacija postupka zavarivanja – 4. dio: Zavarivanje laserom (ISO 15609-4:2004; EN ISO 15609-4:2004)  
Specification and qualification of welding procedures for metallic materials – Welding procedure specification – Part 4: Laser beam welding (ISO 15609-4:2004; EN ISO 15609-4:2004)  
- zamijenjena s: HRN EN ISO 15609-4:2010
- HRN CR ISO 17663:2002 en  
Zavarivanje – Upute za zahtjeve za kakvoću toplinske obrade u vezi sa zavarivanjem i srodnim postupcima (ISO/TR 17663:2001; CR ISO 17663:2001)  
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Materials for equipment used in gas welding, cutting and allied processes (ISO 9539:1988; EN 29539:1992)  
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Fibreboards – Specifications – Part 4: Requirements for softboards (EN 622-4:1997)  
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- zamijenjena s: HRN EN 13823:2010

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Zaštita od požara – Rječnik (ISO 13943:2000; EN ISO 13943:2000)  
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- zamijenjena s: HRN EN 1865-1:2010

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- zamijenjena s: HRN EN 581-2:2010

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Dječji vrtići za kućnu uporabu – 1. dio: Sigurnosni zahtjevi (EN 12227-1:1999)  
Playpens for domestic use – Part 1: Safety requirements (EN 12227-1:1999)  
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 Water quality — Sampling — Part 2: Guidance on sampling techniques (ISO 5667-2:1991)  
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 Kakvoća vode — Uzorkovanje — 18. dio: Smjernice za uzorkovanje podzemne vode u onečišćenim područjima (ISO 5667-18:2001)  
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- HRN EN ISO 20685:2008 en  
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 - zamijenjena s: HRN EN ISO 20685:2010

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 Timber structures — Testing of joints made with mechanical fasteners — Requirements for wood density (ISO 8970:1989; EN 28970:1991)  
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 - zamijenjena s: HRN EN ISO 9004:2010
- HRN ISO/TS 16949:2002 en  
 Sustavi upravljanja kvalitetom — Posebni zahtjevi kod primjene ISO 9001:2000 za automobilsku proizvodnju i za sustave pripadajućih servisnih dijelova (ISO/TS 16949:2002)  
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 - zamijenjena s: HRN EN 81-1:2010
- HRN EN 81-1:2000/AC:2001 en  
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 - zamijenjena s: HRN EN 81-2:2010
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- zamijenjena s: HRN EN 12158-1:2010
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- HRN EN 998-1:2003 en  
Specifikacija morta za zide — 1. dio: Vanjska i unutarnja žbuka (EN 998-1:2003)  
Specification for mortar for masonry — Part 1: Rendering and plastering mortar (EN 998-1:2003)  
- zamijenjena s: HRN EN 998-1:2010
- HRN EN 998-1:2003/AC:2007 en  
Specifikacija morta za zide — 1. dio: Vanjska i unutarnja žbuka (EN 998-1:2003/AC:2005)  
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- zamijenjena s: HRN EN 998-1:2010
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- zamijenjena s: HRN EN 998-2:2010

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Izvedba posebnih geotehničkih radova — Bušeni piloti (EN 1536:1999)  
Execution of special geotechnical work — Bored piles (EN 1536:1999)  
- zamijenjena s: HRN EN 1536:2010
- HRN EN 1538:2008 en  
Izvedba posebnih geotehničkih radova — Dijafragme (EN 1538:2000)  
Execution of special geotechnical works — Diaphragm walls (EN 1538:2000)  
- zamijenjena s: HRN EN 1538:2010

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- HRN EN 30-1-1:2008 en  
Kućanski plinski uređaji za kuhanje — Dio 1-1: Sigurnost — Općenito (EN 30-1-1:2008)  
Domestic cooking appliances burning gas — Part 1-1: Safety — General (EN 30-1-1:2008)  
- zamijenjena s: HRN EN 30-1-1:2010

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Precizne čelične cijevi — Tehnički uvjeti isporuke — 1. dio: Bešavne hladno vučene cijevi (EN 10305-1:2002)  
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- zamijenjena s: HRN EN 10305-1:2010

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Precizne čelične cijevi — Tehnički uvjeti isporuke — 2. dio: Zavarene hladno vučene cijevi (EN 10305-2:2002)  
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- zamijenjena s: HRN EN 10305-2:2010
- HRN EN 10305-3:2003 en  
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Steel tubes for precision applications — Technical delivery conditions — Part 3: Welded cold sized tubes (EN 10305-3:2002)  
- zamijenjena s: HRN EN 10305-3:2010
- HRN EN 10305-5:2008 en  
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- zamijenjena s: HRN EN 10305-5:2010
- HRN CR 10317:2007 en  
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- zamijenjena s: HRI CEN/TR 10317:2010
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- zamijenjena s: HRN EN 12735-1:2010
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- zamijenjena s: HRN EN 12735-1:2010
- HRN EN 12735-2:2002 en  
Bakar i bakrene legure — Bešavne okrugle bakrene cijevi za klimatizaciju i hlađenje — 2. dio: Cijevi za uređaje (EN 12735-2:2001)  
Copper and copper alloys — Seamless, round copper tubes for air conditioning and refrigeration — Part 2: Tubes for equipment (EN 12735-2:2001)  
- zamijenjena s: HRN EN 12735-2:2010
- HRN EN 12735-2:2002/A1:2008 en  
Bakar i bakrene legure — Bešavne, okrugle bakrene cijevi za klimatizaciju i hlađenje — 2. dio: Cijevi za uređaje (EN 12735-2:2001/A1:2005)  
Copper and copper alloys — Seamless, round copper tubes for air conditioning and refrigeration — Part 2: Tubes for equipment (EN 12735-2:2001/A1:2005)  
- zamijenjena s: HRN EN 12735-2:2010
- HRN EN 13148:2002 en  
Bakar i bakrene legure — Vruće pokositrena traka (EN 13148:2001)  
Copper and copper alloys — Hot-dip tinned strip (EN 13148:2001)  
- zamijenjena s: HRN EN 13148:2010
- HRN EN 13195-1:2003 en  
Aluminij i aluminijeve legure — Gnječeni i lijevani proizvodi za primjenu u pomorstvu (brodogradnja, pomorska i odobalna tehnika) — 1. dio: Specifikacije (EN 13195-1:2002)  
Aluminium and aluminium alloys — Wrought and cast products for marine applications (shipbuilding, marine and offshore) — Part 1: Specifications (EN 13195-1:2002)  
- zamijenjena s: HRN EN 13195:2010

HRN EN 14121:2008 en

Aluminij i aluminijeve legure – Limovi, trake i ploče od aluminija za primjenu u elektrotehnici (EN 14121:2003)  
Aluminium and aluminium alloys – Aluminium sheet, strip and plate for electrotechnical applications (EN 14121:2003)  
- zamijenjena s: HRN EN 14121:2010

HRS CEN/TS 14938-2:2008 en

Bakar i legure bakra – Određivanje sadržaja bizmuta – 2. dio: Metoda FAAS (CEN/TS 14938-2:2006)  
Copper and copper alloys – Determination of bismuth content – Part 2: FAAS method (CEN/TS 14938-2:2006)  
- zamijenjena s: HRN EN 14938-2:2010

HRS CEN/TS 15023-3:2008 en

Bakar i legure bakra – Određivanje sadržaja nikla – 3. dio: Metoda plamene atomske apsorpcijske spektrometrije (FAAS) (CEN/TS 15023-3:2006)  
Copper and copper alloys – Determination of nickel content – Part 3: Flame atomic absorption spectrometry method (FAAS) (CEN/TS 15023-3:2006)  
- zamijenjena s: HRN EN 15023-3:2010

HRS CEN/TS 15025:2008 en

Bakar i legure bakra – Određivanje sadržaja magnezija – Metoda plamene atomske apsorpcijske spektrometrije (FAAS) (CEN/TS 15025:2006)  
Copper and copper alloys – Determination of magnesium content – Flame atomic absorption spectrometry method (FAAS) (CEN/TS 15025:2006)  
- zamijenjena s: HRN EN 15025:2010

HRS CEN/TS 15605:2008 en

Bakar i legure bakra – Induktivno spregnuta optička emisijska spektrometrija potpomognuta plazmom (CEN/TS 15605:2007)  
Copper and copper alloys – Inductively coupled plasma optical emission spectrometry (CEN/TS 15605:2007)  
- zamijenjena s: HRN EN 15605:2010

## **HZN/TO 504, Korozija i zaštita metala i legura**

HRN ISO 1456:2003 en

Metalne prevlake – Elektronanesene prevlake od nikla s kromom te od bakra s niklom i kromom (ISO 1456:2003)  
Metallic coatings – Electrodeposited coatings of nickel plus chromium and of copper plus nickel plus chromium (ISO 1456:2003)  
- zamijenjena s: HRN EN ISO 1456:2010

HRN EN ISO 1461:2001 en

Vruće pocinčane prevlake na željeznim i čeličnim predmetima – Specifikacije i metode ispitivanja (ISO 1461:1999; EN ISO 1461:1999)  
Hot dip galvanized coatings on fabricated iron and steel articles – Specifications and test methods (ISO 1461:1999; EN ISO 1461:1999)  
- zamijenjena s: HRN EN ISO 1461:2010

HRN EN ISO 14713:2001 en

Zaštita od korozije željeznih i čeličnih konstrukcija – Cinkove i aluminijске prevlake – Smjernice (ISO 14713:1999; EN ISO 14713:1999)  
Protection against corrosion of iron and steel in structures – Zinc and aluminium coatings – Guidelines (ISO 14713:1999; EN ISO 14713:1999)  
- zamijenjena s: HRN EN ISO 14713-1:2010

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

HRN EN ISO 13680:2008 en

Industrija nafte i prirodnog plina – Bešavne cijevi izradene od legura otpornih na koroziju, koje se upotrebljavaju kao zaštitne cijevi (casing), uzlazne cijevi (tubing) i spojnice – Tehnički uvjeti za isporuku (ISO 13680:2008; EN ISO 13680:2008)  
Petroleum and natural gas industries – Corrosion-resistant alloy seamless tubes for use as casing, tubing and coupling stock – Technical delivery conditions (ISO 13680:2008; EN ISO 13680:2008)  
- zamijenjena s: HRN EN ISO 13680:2010

## **HZN/TO 508, Ambalaža i pakiranje**

HRN EN 24180-1:2003 en

Cjelovite, ispunjene transportne pakovine – Opće upute za kompilaciju izvedbe redoslijeda ispitivanja – 1. dio: Opća načela (ISO 4180-1:1980; EN 24180-1:1992)  
Complete, filled transport packages – General rules for the compilation of performance test schedules – Part 1: General principles (ISO 4180-1:1980; EN 24180-1:1992)  
- zamijenjena s: HRN EN ISO 4180:2010

HRN EN 24180-2:2003 en

Cjelovite, ispunjene transportne pakovine – Opće upute za kompilaciju izvedbe redoslijeda ispitivanja – 2. dio: Količinski podatci (ISO 4180-2:1980; EN 24180-2:1992)  
Complete, filled transport packages – General rules for the compilation of performance test schedules – Part 2: Quantitative data (ISO 4180-2:1980; EN 24180-2:1992)  
- zamijenjena s: HRN EN ISO 4180:2010

## **HZN/TO 513/PO 5, Mjerne jedinice i mjerila; Mjerne jedinice**

HRN ISO 31-0:1996 hr

Veličine i jedinice – 0. dio: Opća načela (ISO 31-0:1992)  
Quantities and units – Part 0: General principles (ISO 31-0:1992)  
- bez zamjene

HRN ISO 31-5:1997 hr

Veličine i jedinice – 5. dio: Elektricitet i magnetizam (ISO 31-5:1992)  
Quantities and units – Part 5: Electricity and magnetism (ISO 31-5:1992)  
- bez zamjene

HRN ISO 1000:1996 hr

SI jedinice i preporuke za uporabu njihovih višekratnika i uporabu nekih drugih jedinica (ISO 1000:1992)  
SI units and recommendations for the use of their multiples and of certain other units (ISO 1000:1992)  
- bez zamjene

HRN ISO 1000:1996/A1:2008 en

SI jedinice i preporuke za uporabu njihovih višekratnika i nekih drugih jedinica – Amandman 1 (ISO 1000:1992/Amd 1:1998)  
SI units and recommendations for the use of their multiples and of certain other units – Amendment 1 (ISO 1000:1992/Amd 1:1998)  
- bez zamjene

## **HZN/TO 519, Adhezivi**

HRN EN 28510-2:2008 en

Adhezivi – Ispitivanje raslojavanja za uzorke spoja fleksibilni – Kruti ispitni uzorak – 2. dio: 180° raslojavanje (ISO 8510-2:1990; EN 28510-2:1993)  
Adhesives – Peel test for a flexible-bonded-to-rigid test specimen assembly – Part 2: 180° peel (ISO 8510-2:1990; EN 28510-2:1993)  
- zamijenjena s: HRN EN ISO 8510-2:2010

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

HRN EN 13859-1:2008 en

Savitljive hidroizolacijske trake – Definicije i značajke podložnih traka – 1. dio: Podložne trake za prijeklopno pokrivanje krovova (EN 13859-1:2005+A1:2008)  
Flexible sheets for waterproofing – Definitions and characteristics of underlays – Part 1: Underlays for discontinuous roofing (EN 13859-1:2005+A1:2008)  
- zamijenjena s: HRN EN 13859-1:2010

HRN EN 13859-2:2008 en

Savitljive hidroizolacijske trake – Definicije i značajke podložnih traka – 2. dio: Podložne trake za zidove (EN 13859-2:2004+A1:2008)  
Flexible sheets for waterproofing – Definitions and characteristics of underlays – Part 2: Underlays for walls (EN 13859-2:2004+A1:2008)  
- zamijenjena s: HRN EN 13859-2:2010

## HZN/TO 528, *Oprema za željeznice*

HRN EN 13674-2:2007 en

Oprema za željeznice — Željeznički gornji ustroj — Tračnica — 2. dio: Tračnice za skretnice i križišta koje se upotrebljavaju zajedno s Vignoleovim željezničkim tračnicama mase 46 kg/m i više (EN 13674-2:2006)

Railway applications — Track — Rail — Part 2: Switch and crossing rails used in conjunction with Vignole railway rails 46 kg/m and above (EN 13674-2:2006)

- zamijenjena s: HRN EN 13674-2:2010

HRN EN 13674-3:2007 en

Oprema za željeznice — Željeznički gornji ustroj — Tračnica — 3. dio: Vodilice (EN 13674-3:2006)

Railway applications — Track — Rail — Part 3: Check rails (EN 13674-3:2006)

- zamijenjena s: HRN EN 13674-3:2010

HRN EN 14730-1:2007 en

Oprema za željeznice — Željeznički gornji ustroj — Aluminotermijsko zavarivanje tračnica — 1. dio: Odobravanje postupaka zavarivanja (EN 14730-1:2006)

Railway applications — Track — Aluminothermic welding of rails — Part 1: Approval of welding processes (EN 14730-1:2006)

- zamijenjena s: HRN EN 14730-1:2010

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

HRN EN 13135-2:2008 en

Granici — Oprema — 2. dio: Ne-elektrotehnička oprema (EN 13135-2:2004+AC:2005)

Cranes — Equipment — Part 2: Non-electrotechnical equipment (EN 13135-2:2004+AC:2005)

- zamijenjena s: HRN EN 13135-2:2010

## HZN/TO 531, *Plastika i guma*

HRN EN 28029:2008 en

Plastično crijevo — Općenamjenska, tekstilom ojačana, složiva crijeva za vodu — Specifikacija (ISO 8029:1985; EN 28029:1993)

Plastics hose — General purpose collapsible water hose, textile reinforced — Specification (ISO 8029:1985; EN 28029:1993)

- zamijenjena s: HRN EN ISO 8029:2010

## HZN/TO 532, *Dimnjaci*

HRN EN 15287-1:2008 en

Dimnjaci — Projektiranje, ugradnja i preuzimanje dimnjaka — 1. dio: Dimnjaci za uređaje za loženje s otvorenom komorom za izgaranje (EN 15287-1:2007)

Chimneys — Design, installation and commissioning of chimneys — Part 1: Chimneys for non-roomsealed heating appliances (EN 15287-1:2007)

- zamijenjena s: HRN EN 15287-1:2010

## HZN/TO 533/PO 1, *Kolničke konstrukcije; Cestograđevni materijali*

HRN EN 13285:2005 en

Nevezane mješavine — Specifikacija (EN 13285:2003)

Unbound mixtures — Specification (EN 13285:2003)

- zamijenjena s: HRN EN 13285:2010

HRN EN 13286-2:2005 en

Nevezane i hidrauličnim vezivom vezane mješavine — 2. dio: Ispitne metode za određivanje laboratorijske referencijske gustoće i udjela vode — Zbijanje po Proctoru (EN 13286-2:2004)

Unbound and hydraulically bound mixtures — Part 2: Test methods for the determination of the laboratory reference density and water content; Proctor compaction (EN 13286-2:2004)

- zamijenjena s: HRN EN 13286-2:2010

## HZN/TO 534, *Spremnici za teret*

HRN EN 13121-3:2008 en

GRP tanks and vessels for use above ground — Part 3: Design and workmanship (EN 13121-3:2008)

- zamijenjena s: HRN EN 13121-3:2010

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

HRN EN 13141-2:2004 en

Ventilacija u zgradama — Ispitivanje izvedbi za dijelove/opremu za ventilaciju zgrada — 2. dio: Vanjski usisni i ispušni otvori (EN 13141-2:2004)

Ventilation for buildings — Performance testing of components/products for residential ventilation — Part 2: Exhaust and supply air terminal devices (EN 13141-2:2004)

- zamijenjena s: HRN EN 13141-2:2010

HRN EN ISO 13349:2009 en

Industrijski ventilatori — Rječnik i definicije skupina (ISO 13349:1999; EN ISO 13349:2008)

Industrial fans — Vocabulary and definitions of categories (ISO 13349:1999; EN ISO 13349:2008)

- zamijenjena s: HRN EN ISO 13349:2010

HRN EN ISO 13351:2009 en

Industrijski ventilatori — Dimenzije (ISO 13351:1996; EN ISO 13351:2008)

Industrial fans — Dimensions (ISO 13351:1996; EN ISO 13351:2008)

- zamijenjena s: HRN EN ISO 13351:2010

HRN EN 13465:2004 en

Ventilacija u zgradama — Postupci proračuna za određivanje provjetravanja u stambenim zgradama (EN 13465:2004)

Ventilation for buildings — Calculation methods for the determination of air flow rates in dwellings (EN 13465:2004)

- zamijenjena s: HRI CEN/TR 14788:2008

HRN EN 15377-2:2008 en

Sustavi grijanja u zgradama — Projektiranje ugradbenih sustava površinskog grijanja i hlađenja vodom — 2. dio: Projektiranje, dimenzioniranje i ugradnja (EN 15377-2:2008)

Heating systems in buildings — Design of embedded water based surface heating and cooling systems — Part 2: Design, dimensioning and installation (EN 15377-2:2008)

- zamijenjena s: HRN EN 1264-3:2010

## HZN/TO 555, *Sterilizacija medicinske opreme, tehnologija čistih prostora i medicinski sustavi za in vitro dijagnostiku*

HRN EN ISO 15225:2008 en

Nomenklatura — Specifikacija za sustav nomenklature medicinskih proizvoda u svrhu obvezne razmjene podataka (ISO 15225:2000+Amd 1:2004; EN ISO 15225:2000+A1:2004+A2:2005)

Nomenclature — Specification for a nomenclature system for medical devices for the purpose of regulatory data exchange (ISO 15225:2000+Amd 1:2004; EN ISO 15225:2000+A1:2004+A2:2005)

- zamijenjena s: HRN EN ISO 15225:2010

## HZN/TO 556, *Osobna zaštitna oprema*

HRN EN 354:2008 en

Osobna zaštitna oprema protiv pada s visine — Povezna užad (EN 354:2002)

Personal protective equipment against falls from a height — Lanyards (EN 354:2002)

- zamijenjena s: HRN EN 354:2010

HRN EN 1938:2002 en

Osobna zaštita očiju — Zaštitne naočale za motocikliste i mopediste (EN 1938:1998)

Personal eye-protection — Goggles for motorcycle and moped users (EN 1938:1998)

- zamijenjena s: HRN EN 1938:2010

HRN EN 12568:2002 en

Štitnici za stopala i noge — Zahtjevi i metode ispitivanja kapica za zaštitu prstiju i uložaka protiv proboja metala (EN 12568:1998)

Foot and leg protectors — Requirements and test methods for toecaps and metal penetration resistant inserts (EN 12568:1998)

- zamijenjena s: HRN EN 12568:2010

## HZN/TO 557, *Zaštitna odjeća*

HRN EN 421:2001 en

Rukavice za zaštitu od ionizirajućeg zračenja i radioaktivne kontaminacije (EN 421:1994)

Protective gloves against ionizing radiation and radioactive contamination (EN 421:1994)

- zamijenjena s: HRN EN 421:2010

HRN EN 530:2001 en  
Abrazijska otpornost materijala zaštitne odjeće – Ispitne metode (EN 530:1994)  
Abrasion resistance of protective clothing material – Test methods (EN 530:1994)  
- zamijenjena s: HRN EN 530:2010

HRN EN 530:2001/AC:2003 en  
Abrazijska otpornost materijala zaštitne odjeće – Ispitne metode (EN 530:1994/AC:1995)  
Abrasion resistance of protective clothing material – Test methods (EN 530:1994/AC:1995)  
- zamijenjena s: HRN EN 530:2010

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

HRN EN 629-1:2001 en  
Prenosive plinske boce – 25E konusni navoj za spajanje ventila na plinske boce – 1. dio: Specifikacija (EN 629-1:1996)  
Transportable gas cylinders – 25E taper thread for connection of valves to gas cylinders – Part 1: Specification (EN 629-1:1996)  
- zamijenjena s: HRN EN ISO 11363-1:2010

HRN EN 629-2:2001 en  
Prenosive plinske boce – 25E konusni navoj za spajanje ventila na plinske boce – 2. dio: Ispitivanje kontrolnikom (EN 629-2:1996)  
Transportable gas cylinders – 25E taper thread for connection of valves to gas cylinders – Part 2: Gauge inspection (EN 629-2:1996)  
- zamijenjena s: HRN EN ISO 11363-2:2010

HRN EN 1964-1:2001 en  
Prenosive plinske boce – Specifikacija za projekt i konstrukciju ponovno punjivih prENosivih bešavnih čeličnih plinskih boca vodenog kapaciteta od 0,5 l do uključivo 150 l – 1. dio: Boce izrađene od bešavnog čelika s vrijednošću  $R_m$  manje od 1100 MPa (EN 1964-1:1999+AC:1999)  
Transportable gas cylinders – Specification for the design and construction of refillable transportable seamless steel gas cylinders of water capacities from 0,5 litre up to and including 150 litres – Part 1: Cylinders made of seamless steel with an  $R_m$  value of less than 1100 MPa (EN 1964-1:1999+AC:1999)  
- zamijenjena s: HRN EN ISO 9809-1:2010

HRN EN 1964-2:2002 en  
Prenosive plinske boce – Specifikacija za projekt i konstrukciju ponovno punjivih prENosivih bešavnih čeličnih plinskih boca vodenog kapaciteta od 0,5 l do uključivo 150 l – 2. dio: Bešavne boce izrađene od čelika s vrijednošću ( $R_{m,max}$ ) 1100 Mpa i više (EN 1964-2:2001)  
Transportable gas cylinders – Specification for the design and construction of refillable transportable seamless steel gas cylinders of water capacities from 0,5 litre up to and including 150 litres – Part 2: Cylinders made of seamless steel with an ( $R_{m,max}$ ) value of 1100 Mpa and above (EN 1964-2:2001)  
- zamijenjena s: HRN EN ISO 9809-2:2010

HRN EN ISO 11116-1:2001 en  
Plinske boce – 17E konusni navoj za spajanje ventila na plinske boce – 1. dio: Specifikacije (ISO 11116-1:1999; EN ISO 11116-1:1999)  
Gas cylinders – 17E taper thread for connection of valves to gas cylinders – Part 1: Specifications (ISO 11116-1:1999; EN ISO 11116-1:1999)  
- zamijenjena s: HRN EN ISO 11363-1:2010

HRN EN ISO 11116-2:2001 en  
Plinske boce – 17E konusni navoj za spajanje ventila na plinske boce – 2. dio: Kontrolnici (ISO 11116-2:1999; EN ISO 11116-2:1999)  
Gas cylinders – 17E taper thread for connection of valves to gas cylinders – Part 2: Inspection gauges (ISO 11116-2:1999; EN ISO 11116-2:1999)  
- zamijenjena s: HRN EN ISO 11363-2:2010

HRN EN 12542:2003 en  
Stabilni nadzemni zavareni čelični cilindrični spremnici, serijski proizvedeni za skladištenje ukapljenog naftnog plina (UNP) volumena do 13 m<sup>3</sup> – Projektiranje i izrada (EN 12542:2002)  
Static welded steel cylindrical tanks, serially produced for the storage of Liquefied Petroleum Gas (LPG) having a volume not greater than 13 m<sup>3</sup> and for installation above ground – Design and manufacture (EN 12542:2002)  
- zamijenjena s: HRN EN 12542:2010

HRN EN 12542:2003/A1:2008 en  
Stabilni nadzemni zavareni čelični cilindrični spremnici, serijski proizvedeni za skladištenje ukapljenog naftnog plina (UNP) volumena do 13 m<sup>3</sup> – Projektiranje i izrada (EN 12542:2002/A1:2004)  
Static welded steel cylindrical tanks, serially produced for the storage of Liquefied Petroleum Gas (LPG) having a volume not greater than 13 m<sup>3</sup> and for installation above ground – Design and manufacture (EN 12542:2002/A1:2004)  
- zamijenjena s: HRN EN 12542:2010

HRN EN 13152:2003 en  
Specifikacija i ispitivanje ventila boca za ukapljeni naftni plin – Samozatvarajući ventili (EN 13152:2001)  
Specification and testing of LPG cylinder valves – Self closing (EN 13152:2001)  
- zamijenjena s: HRN EN ISO 14245:2010

HRN EN 13152:2003/A1:2008 en  
Specifikacija i ispitivanje ventila boca za ukapljeni naftni plin – Samozatvarajući ventili (EN 13152:2001/A1:2003)  
Specification and testing of LPG cylinder valves – Self closing (EN 13152:2001/A1:2003)  
- zamijenjena s: HRN EN ISO 14245:2010

HRN EN 13153:2003 en  
Specifikacija i ispitivanje ventila boca za ukapljeni naftni plin – Ručno pokretani ventili (EN 13153:2001)  
Specification and testing of LPG cylinder valves – Manually operated (EN 13153:2001)  
- zamijenjena s: HRN EN ISO 15995:2010

HRN EN 13153:2003/A1:2008 en  
Specifikacija i ispitivanje ventila boca za ukapljeni naftni plin – Ručno pokretani ventili (EN 13153:2001/A1:2003)  
Specification and testing of LPG cylinder valves – Manually operated (EN 13153:2001/A1:2003)  
- zamijenjena s: HRN EN ISO 15995:2010

HRN EN ISO 13341:2001 en  
Prenosive plinske boce – Ugradnja ventila u plinske boce (ISO 13341:1997; EN ISO 13341:1997+AC:1998)  
Transportable gas cylinders – Fitting of valves to gas cylinders (ISO 13341:1997; EN ISO 13341:1997+AC:1998)  
- zamijenjena s: HRN EN ISO 13341:2010

HRN EN 14075:2003 en  
Podzemni nepokretni zavareni čelični cilindrični spremnici, proizvedeni u serijama, za skladištenje ukapljenog naftnog plina (UNP) volumena do 13 m<sup>3</sup> – Projektiranje i izrada (EN 14075:2002)  
Static welded steel cylindrical tanks, serially produced for the storage of Liquefied Petroleum Gas (LPG) having a volume not greater than 13 m<sup>3</sup> and for installation underground – Design and manufacture (EN 14075:2002)  
- zamijenjena s: HRN EN 12542:2010

HRN EN 14075:2003/A1:2008 en  
Podzemni nepokretni zavareni čelični cilindrični spremnici, proizvedeni u serijama, za skladištenje ukapljenog naftnog plina (UNP) volumena do 13 m<sup>3</sup> – Projektiranje i izrada (EN 14075:2002/A1:2004)  
Static welded steel cylindrical tanks, serially produced for the storage of Liquefied Petroleum Gas (LPG) having a volume not greater than 13 m<sup>3</sup> and for installation underground – Design and manufacture (EN 14075:2002/A1:2004)  
- zamijenjena s: HRN EN 12542:2010

## **HZN/TO 563, *Sigurnost strojeva***

HRN EN 12042:2006 en  
Strojevi za preradu hrane – Automatski odjeljivači – Sigurnosni i higijenski zahtjevi (EN 12042:2005)  
Food processing machinery – Automatic dividers – Safety and hygiene requirements (EN 12042:2005)  
- zamijenjena s: HRN EN 12042:2010

HRN EN 12043:2006 en  
Strojevi za preradu hrane – Ispitivači sredine – Sigurnosni i higijenski zahtjevi (EN 12043:2000)  
Food processing machinery – Intermediate provers – Safety and hygiene requirements (EN 12043:2000)  
- zamijenjena s: HRN EN 12043:2010

## **HZN/TO 566, *Poljoprivredni i prehrambeni proizvodi; Mlijeko i mliječni proizvodi***

HRN EN ISO 1211:2001 en  
Mlijeko – Određivanje udjela masti – Gravimetrijska metoda (Referentna metoda) (ISO 1211:1999; EN ISO 1211:2001)  
Milk – Determination of fat content – Gravimetric method (Reference method) (ISO 1211:1999; EN ISO 1211:2001)  
- zamijenjena s: HRN EN ISO 1211:2010

## **HZN/TO E23, Električni instalacijski pribor**

HRI IEC/TR 60083:2008 en  
Utikači i utičnice za kućnu i sličnu opću uporabu normirani u zemljama članicama IEC-a (IEC/TR 60083:2006)  
Plugs and socket-outlets for domestic and similar general use standardized in member countries of IEC (IEC/TR 60083:2006)  
- zamijenjena s: HRI IEC/TR 60083:2010

HRN IEC 60884-2-4:2002 en  
Utikači i utičnice za kućanstvo i slične svrhe – Dio 2-4: Posebni zahtjevi za utikače i utičnice za SELV (sigurnosni mali napon) (IEC 60884-2-4:1999)  
Plugs and socket outlets for household and similar purposes – Part 2-4: Particular requirements for plugs and socket-outlets for SELV (IEC 60884-2-4:1999)  
- zamijenjena s: HRN IEC 60884-2-4:2010

## **HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata**

HRN EN 50165:2005 en  
Električna oprema neelektričnih aparata za kućanstvo i slične svrhe – Sigurnosni zahtjevi (EN 50165:1997+A1:2001)  
Electrical equipment of non-electric appliances for household and similar purposes – Safety requirements (EN 50165:1997+A1:2001)  
- bez zamjene

## **HZN/TO E502, Elektrotehnički aspekti telekomunikacijske opreme**

HRN EN 50173-1:2008 en  
Informacijska tehnologija – Generički sustavi kabliranja – 1. dio: Opći zahtjevi i uredski prostori (EN 50173-1:2002)  
Information technology – Generic cabling systems – Part 1: General requirements and office areas (EN 50173-1:2002)  
- zamijenjena s: HRN EN 50173-1:2009

## **HZN/TO Z2, Ocjenjivanje sukladnosti i akreditacija**

HRU ISO/IEC Guide 7:2009 en  
Smjernice za izradu normi prikladnih za uporabu kod ocjenjivanja sukladnosti (ISO/IEC Guide 7:1994)  
Guidelines for drafting of standards suitable for use for conformity assessment (ISO/IEC Guide 7:1994)  
- bez zamjene

HRN ISO/IEC Guide 43-1:2007 hr,en  
Ispitivanje sposobnosti međulaboratorijskim usporedbama – 1. dio: Priprema i provedba shema za ispitivanje sposobnosti (ISO/IEC Guide 43-1:1997)  
Proficiency testing by interlaboratory comparisons – Part 1: Development and operation of proficiency testing schemes (ISO/IEC Guide 43-1:1997)  
- zamijenjena s: HRN EN ISO/IEC 17043:2010

HRN ISO/IEC Guide 43-2:2007 hr,en  
Ispitivanje sposobnosti međulaboratorijskim usporedbama – 2. dio: Odabir i primjena shema za ispitivanje sposobnosti od strane tijela za akreditaciju laboratorija (ISO/IEC Guide 43-2:1997)  
Proficiency testing by interlaboratory comparisons – Part 2: Selection and use of proficiency testing schemes by laboratory accreditation bodies (ISO/IEC Guide 43-2:1997)  
- zamijenjena s: HRN EN ISO/IEC 17043:2010

HRN ISO/IEC 17030:2008 en  
Ocjenjivanje sukladnosti – Opći zahtjevi za oznake sukladnosti treće strane (ISO/IEC 17030:2003)  
Conformity assessment – General requirements for third-party marks of conformity (ISO/IEC 17030:2003)  
- zamijenjena s: HRN EN ISO/IEC 17030:2010

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

HRN EN 15288-1:2008 en  
Swimming pools – Part 1: Safety requirements for design (EN 15288-1:2008)  
- zamijenjena s: HRN EN 15288-1:2010

## **HZN/TU I1, Strojarstvo 1**

HRN EN 13113:2008 en  
Tannery machines – Roller coating machines – Safety requirements (EN 13113:2002)  
- zamijenjena s: HRN EN 13113:2010

## **HZN/TU I2, Strojarstvo 2**

HRN EN 13941:2009 en  
Design and installation of preinsulated bonded pipe systems for district heating (EN 13941:2009)  
- zamijenjena s: HRN EN 13941:2010

## **HZN/TU N1, Nemetalni materijali 1**

HRN EN 312:2008 en  
Particleboards – Specifications (EN 312:2003)  
- zamijenjena s: HRN EN 312:2010

HRN EN 326-2:2001 en  
Ploče na osnovi drva – Uzorkovanje, krojenje i nadzor – 2. dio: Nadzor nad kakvoćom u tvornici (EN 326-2:2000)  
Wood-based panels – Sampling, cutting and inspection – Part 2: Quality control in the factory (EN 326-2:2000)  
- zamijenjena s: HRN EN 326-2:2010

HRN EN 326-2:2001/Ispr.1:2008 en  
Ploče na osnovi drva – Uzorkovanje, krojenje i nadzor – 2. dio: Nadzor nad kakvoćom u tvornici (EN 326-2:2000/AC:2005)  
Wood-based panels – Sampling, cutting and inspection – Part 2: Quality control in the factory (EN 326-2:2000/AC:2005)  
- zamijenjena s: HRN EN 326-2:2010

HRN EN 1007-5:2008 en  
Advanced technical ceramics – Ceramic composites – Methods of test for reinforcements – Part 5: Determination of distribution of tensile strength and of tensile strain to failure of filaments within a multifilament tow at ambient temperature (EN 1007-5:2003)  
- zamijenjena s: HRN EN 1007-5:2010

HRN ISO 2077:1997 en  
Ploče od čistog ekspaniranog granulata pluta – Određivanje modula savojne čvrstoće (ISO 2077:1979)  
Pure expanded corkboard – Determination of the modulus of rupture by bending (ISO 2077:1979)  
- bez zamjene

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

HRN EN ISO 10451:2004 en  
Sustavi stomatoloških implantata – Sadržaj tehničke dokumentacije (ISO 10451:2002; EN ISO 10451:2002)  
Dental implant systems – Contents of technical file (ISO 10451:2002; EN ISO 10451:2002)  
- zamijenjena s: HRN EN ISO 10451:2010

HRN EN 28362-2:2008 en  
Injection containers for injectables and accessories – Part 2: Closures for injection vials (ISO 8362-2:1988; EN 28362-2:1993)  
- zamijenjena s: HRN EN ISO 8362-2:2010

## **HZN/TU U1, Opća elektrotehnika 1**

HRN EN 60446:2008 en  
Basic and safety principles for man-machine interface, marking and identification – Identification of conductors by colours or numerals (IEC 60446:1999; EN 60446:1999)  
- zamijenjena s: HRN EN 60446:2009

## **HZN/TU W1, Energetska elektrotehnika 1**

HRN EN 60519-2:2008 en  
Safety in electroheat installations – Part 2: Particular requirements for resistance heating equipment (IEC 60519-2:1992; EN 60519-2:1993)  
- zamijenjena s: HRN EN 60519-2:2009

## 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.

### HZN/TO 5, *Metalne cijevi i priključci*

- **umjesto**

HRN EN 1591-1:2009

Prirubnice i njihovi spojevi — Pravila za projektiranje prirubničkih spojeva s kružnim brtvama — 1. dio: Postupak proračuna (EN 1591-1:2002+A1:2009)  
Flanges and their joints — Design rules for gasketed circular flange connections — Part 1: Calculation method (EN 1591-1:2002+A1:2009)

- **treba biti**

HRN EN 1591-1:2009

Prirubnice i njihovi spojevi — Pravila za projektiranje prirubničkih spojeva s kružnim brtvama — 1. dio: Postupak proračuna (EN 1591-1:2001+A1:2009)  
Flanges and their joints — Design rules for gasketed circular flange connections — Part 1: Calculation method (EN 1591-1:2001+A1:2009)

### HZN/TO 159, *Ergonomija*

- **umjesto**

HRN EN ISO 14738:2010

Sigurnost strojeva — Antropometrijski zahtjevi za oblikovanje radnih mjesta uz strojeve (ISO 14738:2002+Cor 1:2003+Cor 2:2005; EN ISO 14738:2008)  
Safety of machinery — Anthropometric requirements for the design of workstations at machinery (ISO 14738:2002+Cor 1:2003+Cor 2:2005; EN ISO 14738:2008)

- **treba biti**

HRN EN ISO 14738:2010

Sigurnost strojeva — Antropometrijski zahtjevi za oblikovanje radnih mjesta uz strojeve (ISO 14738:2002+Cor 2:2005; EN ISO 14738:2008)  
Safety of machinery — Anthropometric requirements for the design of workstations at machinery (ISO 14738:2002+Cor 2:2005; EN ISO 14738:2008)

## 1.7 Naslovi objavljenih hrvatskih norma na hrvatskome jeziku

Te su hrvatske norme ranije objavljene samo s naslovima na engleskome jeziku pa se sada objavljuju njihovi naslovi na hrvatskome jeziku.

### HZN/TO 172, *Optika i optički instrumenti*

HRN EN ISO 10342:2010

Oftalmološki instrumenti — Očni refraktometri (ISO 10342:2010; EN ISO 10342:2010)  
Ophthalmic instruments — Eye refractometers (ISO 10342:2010; EN ISO 10342:2010)

HRN EN ISO 11979-8:2010

Oftalmološki implantanti — Intraokularne leće — 8. dio: Osnovni zahtjevi (ISO 11979-8:2006; EN ISO 11979-8:2009)  
Ophthalmic implants — Intraocular lenses — Part 8: Fundamental requirements (ISO 11979-8:2006; EN ISO 11979-8:2009)

HRN EN ISO 12867:2010

Oftalmološki instrumenti — Probni okviri (ISO 12867:2010; EN ISO 12867:2010)  
Ophthalmic instruments — Trial frames (ISO 12867:2010; EN ISO 12867:2010)

### HZN/TO 531, *Plastika i guma*

HRN EN ISO 7822:2008

Plastike ojačane staklenim tekstilom — Određivanje uklonjivog udjela — Gubitak izgaranjem, mehaničkim raščlanjivanjem i izračun statističkim metodama (ISO 7822:1990; EN ISO 7822:1999)  
Textile glass reinforced plastics — Determination of void content — Loss on ignition, mechanical disintegration and statistical counting methods (ISO 7822:1990; EN ISO 7822:1999)

HRN EN ISO 8033:2008

Gumena i plastična crijeva — Određivanje prijanjanja među komponentama (ISO 8033:2006; EN ISO 8033:2006)  
Rubber and plastics hose — Determination of adhesion between components (ISO 8033:2006; EN ISO 8033:2006)

HRN EN ISO 11468:2008

Plastika — Priprava PVC pasta za potrebe ispitivanja — Metoda u komešalici (ISO 11468:1997; EN ISO 11468:1999)  
Plastics — Preparation of PVC pastes for test purposes — Dissolver method (ISO 11468:1997; EN ISO 11468:1999)

HRN EN 13417-1:2008

Ojačavalo — Specifikacije za tkanine — 1. dio: Označivanje (EN 13417-1:2001)  
Reinforcement — Specifications for woven fabrics — Part 1: Designation (EN 13417-1:2001)

HRN EN 13417-2:2008

Ojačavalo — Specifikacije za tkanine — 2. dio: Metode ispitivanja i opći zahtjevi (EN 13417-2:2001)  
Reinforcement — Specifications for woven fabrics — Part 2: Methods of test and general requirements (EN 13417-2:2001)

HRN EN 13417-3:2008

Ojačavalo — Specifikacije za tkanine — 3. dio: Posebni zahtjevi (EN 13417-3:2001)  
Reinforcement — Specifications for woven fabrics — Part 3: Specific requirements (EN 13417-3:2001)

HRN EN 13473-3:2008

Ojačavalo — Specifikacije za višeosne višeslojne tkanine — 3. dio: Posebni zahtjevi (EN 13473-3:2001)  
Reinforcement — Specifications for multi-axial multi-ply fabrics — Part 3: Specific requirements (EN 13473-3:2001)



## 2 Rezultati međunarodne i europske normizacije razvrstani po predmetnom ustroju

### 01.040.13 Zaštita okoliša i zdravlja. Sigurnost (Rječnici)

#### Međunarodna normizacija (IEC)

IEC 61508-4:2010  
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 4: Definitions and abbreviations

#### Europska normizacija

EN ISO 14050:2010  
Environmental management – Vocabulary (ISO 14050:2009)

### 01.040.21 Mehanički sustavi i sastavnice za opću uporabu (Rječnici)

#### Međunarodna normizacija (ISO)

ISO 17893:2004/Amd 1:2010  
Steel wire ropes – Vocabulary, designation and classification; Amendment 1

#### Europska normizacija

EN ISO 26909:2010  
Springs – Vocabulary (ISO 26909:2009)

### 01.040.27 Prijenos energije i topline (Rječnici)

#### Međunarodna normizacija (ISO)

ISO 7967-5:2010  
Reciprocating internal combustion engines – Vocabulary of components and systems – Part 5: Cooling systems

ISO 7967-9:2010  
Reciprocating internal combustion engines – Vocabulary of components and systems – Part 9: Control and monitoring systems

#### Europska normizacija

CEN/CLC/TR 16103:2010  
Energy management and energy efficiency – Glossary of terms

### 01.040.97 Kućna i poslovna oprema. Zabava. Šport (Rječnici)

#### Europska normizacija

CEN/TR 16015:2010  
Hardware for furniture – Terms for locking mechanisms

### 01.070 Označivanje bojama

#### Međunarodna normizacija (ISO)

ISO 7010:2003/Amd 5:2010  
Graphical symbols – Safety colours and safety signs – Safety signs used in workplaces and public areas; Amendment 5

### 01.075 Slovnno-brojčani znakovi

#### Međunarodna normizacija (IEC)

IEC 60027-7:2010  
Letter symbols to be used in electrical technology – Part 7: Power generation, transmission and distribution

### 01.080.10 Znakovi za javne obavijesti

#### Međunarodna normizacija (ISO)

ISO 7010:2003/Amd 5:2010  
Graphical symbols – Safety colours and safety signs – Safety signs used in workplaces and public areas; Amendment 5

### 01.100.25 Crteži u elektrotehnici i elektronici

#### Međunarodna normizacija (IEC)

IEC 60191-6-18:2010  
Mechanical standardization of semiconductor devices – Part 6-18: General rules for the preparation of outline drawings of surface mounted semiconductor device packages – Design guide for ball grid array (BGA)

### 01.120 Normizacija. Opća pravila

#### Europska normizacija

CEN Guide 14:2010  
Common policy guidance for addressing standardisation on qualification of professions and personnel

### 01.140.20 Informacijske znanosti

#### Međunarodna normizacija (ISO)

ISO 2146:2010  
Information and documentation – Registry services for libraries and related organizations

### 03.080.99 Ostale usluge

#### Međunarodna normizacija (ISO)

ISO/IEC TR 20000-5:2010  
Information technology – Service management – Part 5: Exemplar implementation plan for ISO/IEC 20000-1

### 03.100.30 Upravljanje ljudskim vrelima

#### Europska normizacija

CWA 16113:2010  
Personal Data Protection Good Practices

CEN Guide 14:2010  
Common policy guidance for addressing standardisation on qualification of professions and personnel

### 03.120.10 Upravljanje kakvoćom i osiguravanje kakvoće

#### Europska normizacija

EN 31010:2009  
Risk management – Risk assessment techniques (IEC/ISO 31010:2009)

## 03.120.20 Potvrđivanje proizvoda i tvrtki. Procjena sukladnosti

### Europska normizacija

EN ISO/IEC 17050-1:2010

Conformity assessment – Supplier's declaration of conformity – Part 1: General requirements (ISO/IEC 17050-1:2004, corrected version 2007-06-15)

## 03.220.01 Prijevoz općenito

### Međunarodna normizacija (ISO)

ISO/TR 11766:2010

Intelligent transport systems – Communications access for land mobiles (CALM) – Security considerations for lawful interception

ISO 21217:2010

Intelligent transport systems – Communications access for land mobiles (CALM) – Architecture

ISO 24100:2010

Intelligent transport systems – Basic principles for personal data protection in probe vehicle information services

## 03.220.20 Cestovni prijevoz

### Međunarodna normizacija (ISO)

ISO 15622:2010

Intelligent transport systems – Adaptive Cruise Control systems – Performance requirements and test procedures

## 11.040.01 Medicinska oprema općenito

### Međunarodna normizacija (ISO)

ISO 15225:2010

Medical devices – Quality management – Medical device nomenclature data structure

### Međunarodna normizacija (IEC)

IEC 60601-1-2 Interpretation sheet 01:2010

Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard: Electromagnetic compatibility – Requirements and tests

### Europska normizacija

EN 60601-1-6:2010

Medical electrical equipment – Part 1-6: General requirements for basic safety and essential performance – Collateral standard: Usability (IEC 60601-1-6:2010)

EN ISO 15225:2010

Medical devices – Quality management – Medical device nomenclature data structure (ISO 15225:2010)

## 11.040.10 Anestezijska, respiracijska i reanimacijska oprema

### Međunarodna normizacija (ISO)

IEC 60601-1-11:2010

Medical electrical equipment – Part 1-11: General requirements for basic safety and essential performance – Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment

### Međunarodna normizacija (IEC)

IEC 60601-1-11:2010

Medical electrical equipment – Part 1-11: General requirements for basic safety and essential performance – Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment

## 11.040.20 Transfuzijska, infuzijska i injekcijska oprema

### Međunarodna normizacija (ISO)

ISO 1135-4:2010

Transfusion equipment for medical use – Part 4: Transfusion sets for single use

ISO 15747:2010

Plastic containers for intravenous injections

### Europska normizacija

EN ISO 15747:2010

Plastic containers for intravenous injections (ISO 15747:2010)

EN ISO 1135-4:2010

Transfusion equipment for medical use – Part 4: Transfusion sets for single use (ISO 1135-4:2010)

## 11.040.40 Implantati za kirurgiju, protetiku i ortotiku

### Međunarodna normizacija (ISO)

ISO 14602:2010

Non-active surgical implants – Implants for osteosynthesis – Particular requirements

### Europska normizacija

EN ISO 14602:2010

Non-active surgical implants – Implants for osteosynthesis – Particular requirements (ISO 14602:2010)

## 11.040.50 Radiografska i druga dijagnostička oprema

### Međunarodna normizacija (IEC)

IEC 60526 Corrigendum 1:2010

High-voltage cable plug and socket connections for medical X-ray equipment

IEC 60601-2-54 Corrigendum 1:2010

Medical electrical equipment – Part 2-54: Particular requirements for the basic safety and essential performance of X-ray equipment for radiography and radioscopy

IEC 60601-2-44 Corrigendum 1:2010

Corrigendum 1 – Medical electrical equipment – Part 2-44: Particular requirements for the basic safety and essential performance of X-ray equipment for computed tomography

### Europska normizacija

EN 60613:2010

Electrical and loading characteristics of X-ray tube assemblies for medical diagnosis (IEC 60613:2010)

EN 60601-2-28:2010

Medical electrical equipment – Part 2-28: Particular requirements for the basic safety and essential performance of X-ray tube assemblies for medical diagnosis (IEC 60601-2-28:2010)

## 11.040.60 Terapeutska oprema

### Međunarodna normizacija (IEC)

IEC/TR 62649:2010

Requirements for measurement standards for high intensity therapeutic ultrasound (HITU) devices

## 11.060.10 Zubarska gradiva

### Međunarodna normizacija (ISO)

ISO 9917-2:2010

Dentistry – Water-based cements – Part 2: Resin-modified cements

## Europska normizacija

EN ISO 9917-2:2010  
Dentistry – Water-based cements – Part 2: Resin-modified cements (ISO 9917-2:2010)

## 11.060.20 Zubarska oprema

### Europska normizacija

EN ISO 9173-2:2010  
Dentistry – Extraction forceps – Part 2: Designation (ISO 9173-2:2010)

## 11.060.25 Zubarski instrumenti

### Međunarodna normizacija (ISO)

ISO 9173-2:2010  
Dentistry – Extraction forceps – Part 2: Designation

## 11.120.99 Druge norme koje se odnose na ljekarništvo

### Međunarodna normizacija (ISO)

ISO 4802-1:2010  
Glassware – Hydrolytic resistance of the interior surfaces of glass containers – Part 1: Determination by titration method and classification

ISO 4802-2:2010  
Glassware – Hydrolytic resistance of the interior surfaces of glass containers – Part 2: Determination by flame spectrometry and classification

## 11.140 Bolnička oprema

### Europska normizacija

EN 60601-2-52:2010  
Medical electrical equipment – Part 2-52: Particular requirements for basic safety and essential performance of medical beds (IEC 60601-2-52:2009)

## 11.160 Prva pomoć

### Europska normizacija

EN 1789:2007+A1:2010  
Medical vehicles and their equipment – Road ambulances

## 11.180.15 Pomagala za gluhe osobe i za osobe sa oštećenjem sluha

### Europska normizacija

EN 60318-4:2010  
Electroacoustics – Simulators of human head and ear – Part 4: Occluded-ear simulator for the measurement of earphones coupled to the ear by means of ear inserts (IEC 60318-4:2010)

## 13.020.10 Upravljanje okolišem

### Europska normizacija

EN ISO 14004:2010  
Environmental management systems – General guidelines on principles, systems and support techniques (ISO 14004:2004)

EN ISO 14015:2010  
Environmental management – Environmental assessment of sites and organizations (EASO) (ISO 14015:2001)

EN ISO 14050:2010  
Environmental management – Vocabulary (ISO 14050:2009)

EN ISO 14063:2010  
Environmental management – Environmental communication – Guidelines and examples (ISO 14063:2006)

## 13.020.50 Ekološko označivanje

### Europska normizacija

EN ISO 14025:2010  
Environmental labels and declarations – Type III environmental declarations – Principles and procedures (ISO 14025:2006)

## 13.040.01 Kakvoća zraka općenito

### Europska normizacija

EN 15859:2010  
Air Quality – Certification of automated dust arrestment plant monitors for use on stationary sources – Performance criteria and test procedures

## 13.040.50 Ispuštanja plinova iz prijevoznih sredstava

### Međunarodna normizacija (ISO)

ISO/PAS 3930:2009  
Instruments for measuring vehicle exhaust emissions – Metrological and technical requirements; Metrological control and performance tests

## 13.060.20 Voda za piće

### Međunarodna normizacija (IEC)

IEC 60335-2-109:2010  
Household and similar electrical appliances – Safety – Part 2-109: Particular requirements for UV radiation water treatment appliances

## 13.060.50 Ispitivanje voda na kemijske tvari

### Međunarodna normizacija (ISO)

ISO 27108:2010  
Water quality – Determination of selected plant treatment agents and biocide products – Method using solid-phase microextraction (SPME) followed by gas chromatography-mass spectrometry (GC-MS)

ISO 29441:2010  
Water quality – Determination of total nitrogen after UV digestion – Method using flow analysis (CFA and FIA) and spectrometric detection

ISO 10304-1:2007/Cor 1:2010  
Water quality – Determination of dissolved anions by liquid chromatography of ions – Part 1: Determination of bromide, chloride, fluoride, nitrate, nitrite, phosphate and sulfate

## 13.110 Sigurnost strojeva

### Međunarodna normizacija (ISO)

ISO 14122-1:2001/Amd 1:2010  
Safety of machinery – Permanent means of access to machinery – Part 1: Choice of fixed means of access between two levels; Amendment 1

ISO 14122-2:2001/Amd 1:2010  
Safety of machinery – Permanent means of access to machinery – Part 2: Working platforms and walkways; Amendment 1

ISO 14122-3:2001/Amd 1:2010  
Safety of machinery – Permanent means of access to machinery – Part 3: Stairs, stepladders and guard-rails; Amendment 1

- ISO 14122-4:2004/Amd 1:2010  
Safety of machinery — Permanent means of access to machinery — Part 4: Fixed ladders; Amendment 1
- ISO 13855:2010  
Safety of machinery — Positioning of safeguards with respect to the approach speeds of parts of the human body
- ISO/TR 23849:2010  
Guidance on the application of ISO 13849-1 and IEC 62061 in the design of safety-related control systems for machinery

### Europska normizacija

- EN ISO 14122-1:2001/A1:2010  
Safety of machinery — Permanent means of access to machinery — Part 1: Choice of fixed means of access between two levels — Amendment 1 (ISO 14122-1:2001/Amd 1:2010)
- EN ISO 14122-2:2001/A1:2010  
Safety of machinery — Permanent means of access to machinery — Part 2: Working platforms and walkways — Amendment 1 (ISO 14122-2:2001/Amd 1:2010)
- EN ISO 14122-3:2001/A1:2010  
Safety of machinery — Permanent means of access to machinery — Part 3: Stairs, stepladders and guard-rails — Amendment 1 (ISO 14122-3:2001/Amd 1:2010)
- EN ISO 13855:2010  
Safety of machinery — Positioning of safeguards with respect to the approach speeds of parts of the human body (ISO 13855:2010)

## 13.160 Utjecaj vibracija na ljude

### Međunarodna normizacija (ISO)

- ISO 13091-1:2001/Amd 1:2010  
Mechanical vibration — Vibrotactile perception thresholds for the assessment of nerve dysfunction — Part 1: Methods of measurement at the fingertips; Amendment 1

## 13.220.10 Vatrogastvo

### Europska normizacija

- EN ISO 16852:2010  
Flame arresters — Performance requirements, test methods and limits for use (ISO 16852:2008, including Cor 1:2008 and Cor 2:2009)

## 13.220.20 Oprema za zaštitu od požara

### Međunarodna normizacija (ISO)

- ISO 7240-20:2010  
Fire detection and alarm systems — Part 20: Aspirating smoke detectors
- ISO 7240-25:2010  
Fire detection and fire alarm systems — Part 25: Components using radio transmission paths
- ISO 21927-2:2006/Amd 1:2010  
Smoke and heat control systems — Part 2: Specification for natural smoke and heat exhaust ventilators; Amendment 1
- ISO 21927-3:2006/Amd 1:2010  
Smoke and heat control systems — Part 3: Specification for powered smoke and heat exhaust ventilators; Amendment 1

## 13.220.40 Zapaljivost i ponašanje pri izgaranju gradiva i proizvoda

### Međunarodna normizacija (IEC)

- IEC 60695-6-1/am1:2010  
Amendment 1 — Fire hazard testing — Part 6-1: Smoke obscuration — General guidance

### Europska normizacija

- EN 61249-2-41:2010  
Materials for printed boards and other interconnecting structures — Part 2-41: Reinforced base materials clad and

unclad — Brominated epoxide cellulose paper/woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-41:2010)

## 13.220.50 Vatrootpornost građevnih gradiva i elemenata

### Međunarodna normizacija (ISO)

- ISO 1182:2010  
Reaction to fire tests for products — Non-combustibility test

### Europska normizacija

- EN 1366-4:2006+A1:2010  
Fire resistance tests for service installations — Part 4: Linear joint seals
- EN 13381-8:2010  
Test methods for determining the contribution to the fire resistance of structural members — Part 8: Applied reactive protection to steel members
- EN ISO 1182:2010  
Reaction to fire tests for products — Non-combustibility test (ISO 1182:2010)

## 13.260 Zaštita od električnog udara

### Europska normizacija

- EN 50528:2010  
Insulating ladders for use on or near low voltage electrical installations
- EN 61243-3:2010  
Live working — Voltage detectors — Part 3: Two-pole low-voltage type

## 13.320 Alarmni sustavi i sustavi uzbunjivanja

### Međunarodna normizacija (ISO)

- ISO 26142:2010  
Hydrogen detection apparatus — Stationary applications

### Međunarodna normizacija (IEC)

- IEC 61508-1:2010  
Functional safety of electrical/electronic/programmable electronic safety-related systems — Part 1: General requirements
- IEC 61508-2:2010  
Functional safety of electrical/electronic/programmable electronic safety-related systems — Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems
- IEC 61508-3:2010  
Functional safety of electrical/electronic/programmable electronic safety-related systems — Part 3: Software requirements
- IEC 61508-4:2010  
Functional safety of electrical/electronic/programmable electronic safety-related systems — Part 4: Definitions and abbreviations
- IEC 61508-5:2010  
Functional safety of electrical/electronic/programmable electronic safety-related systems — Part 5: Examples of methods for the determination of safety integrity levels
- IEC 61508-6:2010  
Functional safety of electrical/electronic/programmable electronic safety-related systems — Part 6: Guidelines on the application of IEC 61508-2 and IEC 61508-3
- IEC 61508-7:2010  
Functional safety of electrical/electronic/programmable electronic safety-related systems — Part 7: Overview of techniques and measures
- IEC 62599-1:2010  
Alarm systems - Part 1: Environmental test methods

IEC 62599-2:2010

Alarm systems - Part 2: Electromagnetic compatibility - Immunity requirements for components of fire and security alarm systems

## Europska normizacija

EN 50518-1:2010

Monitoring and alarm receiving centre – Part 1: Location and construction requirements

EN 60079-29-4:2010

Explosive atmospheres – Part 29-4: Gas detectors – Performance requirements of open path detectors for flammable gases (IEC 60079-29-4:2009, modified)

EN 50291-1:2010

Electrical apparatus for the detection of carbon monoxide in domestic premises – Part 1: Test methods and performance requirements

EN 50291-2:2010

Electrical apparatus for the detection of carbon monoxide in domestic premises – Part 2: Electrical apparatus for continuous operation in a fixed installation in recreational vehicles and similar premises including recreational craft – Additional test methods and performance requirements

## 17.040.30 Mjerila

### Međunarodna normizacija (ISO)

ISO 286-1:2010

Geometrical product specifications (GPS) – ISO code system for tolerances on linear sizes – Part 1: Basis of tolerances, deviations and fits

### Europska normizacija

EN ISO 286-1:2010

Geometrical product specifications (GPS) – ISO code system for tolerances on linear sizes – Part 1: Basis of tolerances, deviations and fits (ISO 286-1:2010)

## 17.120.20 Protok u otvorenim kanalima

### Međunarodna normizacija (ISO)

ISO 15769:2010

Hydrometry – Guidelines for the application of acoustic velocity meters using the Doppler and echo correlation methods

## 17.140.20 Buka koju proizvode strojevi i oprema

### Međunarodna normizacija (ISO)

ISO 10052:2004/A1:2010

Acoustics – Field measurements of airborne and impact sound insulation and of service equipment sound – Survey method; Amendment 1

ISO 11201:2010

Acoustics – Noise emitted by machinery and equipment – Determination of emission sound pressure levels at a work station and at other specified positions in an essentially free field over a reflecting plane with negligible environmental corrections

ISO 11202:2010

Acoustics – Noise emitted by machinery and equipment – Determination of emission sound pressure levels at a work station and at other specified positions applying approximate environmental corrections

ISO 11204:2010

Acoustics – Noise emitted by machinery and equipment – Determination of emission sound pressure levels at a work station and at other specified positions applying accurate environmental corrections

### Europska normizacija

EN ISO 10052:2004/A1:2010

Acoustics – Field measurements of airborne and impact sound insulation and of service equipment sound – Survey method – Amendment 1 (ISO 10052:2004/Amd 1:2010)

EN ISO 11201:2010

Acoustics – Noise emitted by machinery and equipment – Determination of emission sound pressure levels at a work station and at other specified positions in an essentially free field over a reflecting plane with negligible environmental corrections (ISO 11201:2010)

EN ISO 11202:2010

Acoustics – Noise emitted by machinery and equipment – Determination of emission sound pressure levels at a work station and at other specified positions applying approximate environmental corrections (ISO 11202:2010)

EN ISO 11204:2010

Acoustics – Noise emitted by machinery and equipment – Determination of emission sound pressure levels at a work station and at other specified positions applying accurate environmental corrections (ISO 11204:2010)

## 17.140.30 Buka koju proizvode prijevozna sredstva

### Međunarodna normizacija (ISO)

ISO 13472-2:2010

Acoustics – Measurement of sound absorption properties of road surfaces in situ – Part 2: Spot method for reflective surfaces

## 17.140.50 Elektroakustika

### Međunarodna normizacija (IEC)

IEC/TR 62649:2010

Requirements for measurement standards for high intensity therapeutic ultrasound (HITU) devices

## 17.160 Vibracije, udari i mjerenja vibracija

### Međunarodna normizacija (IEC)

IEC 61373:2010

Railway applications – Rolling stock equipment – Shock and vibration tests

## 17.220.20 Mjerenje električnih i magnetskih veličina

### Međunarodna normizacija (IEC)

IEC 60404-3 Edition 2.2:2010

Magnetic materials – Part 3: Methods of measurement of the magnetic properties of electrical steel strip and sheet by means of a single sheet tester

IEC 62615:2010

Electrostatic discharge sensitivity testing – Transmission line pulse (TLP) – Component level

### Europska normizacija

EN 61340-5-3:2010

Electrostatics – Part 5-3: Protection of electronic devices from electrostatic phenomena – Properties and requirements classification for packaging intended for electrostatic discharge sensitive devices (IEC 61340-5-3:2010)

## 17.240 Mjerenje zračenja

### Međunarodna normizacija (IEC)

IEC 62484:2010

Radiation protection instrumentation – Spectroscopy-based portal monitors used for the detection and identification of illicit trafficking of radioactive material

## 19.040 Ispitivanje utjecaja okoliša

### Međunarodna normizacija (IEC)

- IEC 60068-2-5:2010  
Environmental testing – Part 2-5: Tests – Test Sa: Simulated solar radiation at ground level and guidance for solar radiation testing
- IEC 60068-2-53:2010  
Environmental testing – Part 2-53: Tests and guidance – Combined climatic (temperature/humidity) and dynamic (vibration/shock) tests

### Europska normizacija

- EN 60068-2-53:2010  
Environmental testing – Part 2-53: Tests and guidance – Combined climatic (temperature/humidity) and dynamic (vibration/shock) tests (IEC 60068-2-53:2010)

## 21.040.30 Posebni navoji vijaka

### Međunarodna normizacija (ISO)

- ISO 11363-1:2010  
Gas cylinders – 17E and 25E taper threads for connection of valves to gas cylinders – Part 1: Specifications
- ISO 11363-2:2010  
Gas cylinders – 17E and 25E taper threads for connection of valves to gas cylinders – Part 2: Inspection gauges

### Europska normizacija

- EN ISO 11363-1:2010  
Gas cylinders – 17E and 25E taper threads for connection of valves to gas cylinders – Part 1: Specifications (ISO 11363-1:2010)
- EN ISO 11363-2:2010  
Gas cylinders – 17E and 25E taper threads for connection of valves to gas cylinders – Part 2: Inspection gauges (ISO 11363-2:2010)

## 21.160 Opruge

### Europska normizacija

- EN ISO 26909:2010  
Springs - Vocabulary (ISO 26909:2009)

## 23.020.30 Tlačne posude, cilindrični plinski spremnici

### Međunarodna normizacija (ISO)

- ISO 3500:2005/Amd 1:2010  
Gas cylinders – Seamless steel CO<sub>2</sub> cylinders for fixed fire-fighting installations on ships; Amendment 1
- ISO 9809-1:2010  
Gas cylinders – Refillable seamless steel gas cylinders – Design, construction and testing – Part 1: Quenched and tempered steel cylinders with tensile strength less than 1 100 MPa
- ISO 9809-2:2010  
Gas cylinders – Refillable seamless steel gas cylinders – Design, construction and testing – Part 2: Quenched and tempered steel cylinders with tensile strength greater than or equal to 1 100 MPa
- ISO 9809-3:2010  
Gas cylinders – Refillable seamless steel gas cylinders – Design, construction and testing – Part 3: Normalized steel cylinders
- ISO 10156:2010  
Gases and gas mixtures – Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets

## Europska normizacija

- EN ISO 9809-1:2010  
Gas cylinders – Refillable seamless steel gas cylinders – Design, construction and testing – Part 1: Quenched and tempered steel cylinders with tensile strength less than 1 100 MPa (ISO 9809-1:2010)
- EN ISO 9809-2:2010  
Gas cylinders – Refillable seamless steel gas cylinders – Design, construction and testing – Part 2: Quenched and tempered steel cylinders with tensile strength greater than or equal to 1 100 MPa (ISO 9809-2:2010)
- EN ISO 9809-3:2010  
Gas cylinders – Refillable seamless steel gas cylinders – Design, construction and testing – Part 3: Normalized steel cylinders (ISO 9809-3:2010)
- EN ISO 10156:2010  
Gases and gas mixtures – Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets (ISO 10156:2010)

## 23.040.01 Cjevovodne sastavnice i cjevovodi općenito

### Međunarodna normizacija (ISO)

- ISO 22621-5:2010  
Plastics piping systems for the supply of gaseous fuels for maximum operating pressures up to and including 2 MPa (20 bar) – Polyamide (PA) – Part 5: Fitness for purpose of the system
- ISO 22621-6:2010  
Plastics piping systems for the supply of gaseous fuels for maximum operating pressures up to and including 2 MPa (20 bar) – Polyamide (PA) – Part 6: Code of practice for design, handling and installation
- ISO 13254:2010  
Thermoplastics piping systems for non-pressure applications – Test method for watertightness
- ISO 13255:2010  
Thermoplastics piping systems for soil and waste discharge inside buildings – Test method for airtightness of joints

### Europska normizacija

- EN 13480-3:2002/A4:2010  
Metallic industrial piping – Part 3: Design and calculation

## 23.040.20 Plastične cijevi

### Međunarodna normizacija (ISO)

- ISO 13262:2010  
Thermoplastics piping systems for non-pressure underground drainage and sewerage – Thermoplastics spirally-formed structured-wall pipes – Determination of the tensile strength of a seam
- ISO 13265:2010  
Thermoplastics piping systems for non-pressure underground drainage and sewerage – Joints for buried non-pressure applications – Test method for the long-term sealing performance of joints with elastomeric seals by estimating the sealing pressure
- ISO 13266:2010  
Thermoplastics piping systems for non-pressure underground drainage and sewerage – Thermoplastics shafts or risers for inspection chambers and manholes – Determination of resistance against surface and traffic loading
- ISO 13267:2010  
Thermoplastics piping systems for non-pressure underground drainage and sewerage – Thermoplastics inspection chamber and manhole bases – Test methods for buckling resistance

## 23.040.45 Plastični fitinzi

### Međunarodna normizacija (ISO)

- ISO 13263:2010  
Thermoplastics piping systems for non-pressure underground drainage and sewerage – Thermoplastics fittings – Test method for impact strength

## 23.040.70 Spojevi sipkih cijevi

### Europska normizacija

EN 13765:2010

Thermoplastic multi-layer (non-vulcanized) hoses and hose assemblies for the transfer of hydrocarbons, solvents and chemicals – Specification

## 23.040.80 Brtvila za cijevi i cijevne spojke

### Međunarodna normizacija (ISO)

ISO 13259:2010

Thermoplastics piping systems for underground non-pressure applications – Test method for leaktightness of elastomeric sealing ring type joints

## 23.060.10 Ventili sa zaobljenim zatvaračem

### Europska normizacija

EN 13709:2010

Industrial valves – Steel globe and globe stop and check valves

EN 13789:2010

Industrial valves – Cast iron globe valves

## 23.060.30 Zasunski ventili

### Europska normizacija

EN 1984:2010

Industrial valves – Steel gate valves

## 23.060.99 Drugi ventili

### Europska normizacija

EN 12351:2010

Industrial valves – Protective caps for valves with flanged connections

EN ISO 11117:2008/AC:2010

Gas cylinders – Valve protection caps and valve guards – Design, construction and tests – Technical Corrigendum 1 (ISO 11117:2008/Cor 1:2009)

## 23.100.20 Cilindri

### Međunarodna normizacija (ISO)

ISO 5597:2010

Hydraulic fluid power – Cylinders – Dimensions and tolerances of housings for single-acting piston and rod seals in reciprocating applications

## 23.100.40 Cijevi i spojke

### Međunarodna normizacija (ISO)

ISO 11237:2010

Rubber hoses and hose assemblies – Compact wire-braid-reinforced hydraulic types for oil-based or water-based fluids – Specification

## 23.100.60 Filtri, britve i onečišćenje fluida

### Međunarodna normizacija (ISO)

ISO 27407:2010

Hydraulic fluid power – Marking of performance characteristics on hydraulic filters

## 25.080.01 Alatni strojevi općenito

### Europska normizacija

EN ISO 23125:2010

Machine tools – Safety – Turning machines (ISO 23125:2010)

## 25.080.10 Tokarilice

### Međunarodna normizacija (ISO)

ISO 23125:2010

Machine tools – Safety – Turning machines

## 25.080.40 Bušilice

### Europska normizacija

EN 61029-2-6:2010

Safety of transportable motor-operated electric tools – Part 2-6: Particular requirements for diamond drills with water supply (IEC 61029-2-6:1993, modified)

## 25.080.50 Strojevi za brušenje i poliranje

### Europska normizacija

EN 13218:2002+A1:2008/AC:2010

Machine tools – Safety – Stationary grinding machines

## 25.100.01 Alati za rezanje općenito

### Međunarodna normizacija (ISO)

ISO 13399-1:2006/Amd 1:2010

Cutting tool data representation and exchange – Part 1: Overview, fundamental principles and general information model

## 25.100.50 Ureznici i kalupi za navoje

### Međunarodna normizacija (IEC)

IEC 61029-2-12:2010

Safety of transportable motor-operated electric tools – Part 2-12: Particular requirements for threading machines

## 25.120.10 Oprema za kovanje. Preše. Škare

### Europska normizacija

EN 14656:2006+A1:2010

Safety of machinery – Safety requirements for extrusion presses for steel and non-ferrous metals

EN 14673:2006+A1:2010

Safety of machinery – Safety requirements for hydraulically powered open die hot forging presses for the forging of steel and non-ferrous metals

## 25.120.30 Oprema za oblikovanje

### Europska normizacija

EN 710:1997+A1:2010

Safety requirements for foundry moulding and coremaking machinery and plant associated equipment

## 25.140.20 Električni alati

### Međunarodna normizacija (IEC)

IEC 60745-2-14/am2:2010

Amendment 2 – Hand-held motor-operated electric tools – Safety – Part 2-14: Particular requirements for planers

IEC 60745-2-17:2010

Hand-held motor-operated electric tools — Safety — Part 2-17:  
Particular requirements for routers and trimmers

IEC 60745-2-19/am1:2010

Amendment 1 — Hand-held motor-operated electric tools  
— Safety — Part 2-19: Particular requirements for jointers

### Evropska normizacija

EN 60745-2-1:2010

Hand-held motor-operated electric tools — Safety — Part 2-1:  
Particular requirements for drills and impact drills  
(IEC 60745-2-1:2003 (Modified) + A1:2008)

EN 60745-2-2:2010

Hand-held motor-operated electric tools — Safety — Part 2-2:  
Particular requirements for screwdrivers and impact wrenches  
(IEC 60745-2-2:2003 (Modified) + A1:2008)

EN 60745-2-6:2010

Hand-held motor-operated electric tools — Safety — Part 2-6:  
Particular requirements for hammers (IEC 60745-2-6:2003  
(Modified) + A1:2006 + A2:2008)

EN 60745-2-11:2010

Hand-held motor-operated electric tools — Safety — Part 2-11:  
Particular requirements for reciprocating saws (jig and sabre  
saws) (IEC 60745-2-11:2003 (Modified) + A1:2008)

## 25.160.40 Zavareni spojevi

### Međunarodna normizacija (ISO)

ISO 15653:2010

Metallic materials — Method of test for the determination of  
quasistatic fracture toughness of welds

### Evropska normizacija

EN ISO 5173:2010

Destructive tests on welds in metallic materials — Bend tests  
(ISO 5173:2009)

EN ISO 15653:2010

Metallic materials — Method of test for the determination of  
quasistatic fracture toughness of welds (ISO 15653:2010)

## 25.180.01 Industrijske peći općenito

### Evropska normizacija

EN 746-2:2010

Industrial thermoprocessing equipment — Part 2: Safety  
requirements for combustion and fuel handling systems

## 25.180.10 Električne peći

### Evropska normizacija

EN 14681:2006+A1:2010

Safety of machinery — Safety requirements for machinery and  
equipment for production of steel by electric arc furnaces

## 25.220.40 Prevlačenje kovinama

### Međunarodna normizacija (IEC)

IEC 62418:2010

Semiconductor devices — Metallization stress void test

## 27.010 Tehnika prijenosa energije i topline općenito

### Međunarodna normizacija (IEC)

IEC 60027-7:2010

Letter symbols to be used in electrical technology — Part 7:  
Power generation, transmission and distribution

### Evropska normizacija

CEN/CLC/TR 16103:2010

Energy management and energy efficiency — Glossary of  
terms

## 27.020 Motori s unutrašnjim izgaranjem

### Međunarodna normizacija (ISO)

ISO 7967-5:2010

Reciprocating internal combustion engines — Vocabulary of  
components and systems — Part 5: Cooling systems

ISO 7967-9:2010

Reciprocating internal combustion engines — Vocabulary of  
components and systems — Part 9: Control and monitoring  
systems

## 27.060.20 Plinski plamenici

### Evropska normizacija

EN 125:2010

Flame supervision devices for gas burning appliances —  
Thermoelectric flame supervision devices

## 27.070 Gorivi članci

### Evropska normizacija

EN 62282-6-100:2010

Fuel cell technologies — Part 6-100: Micro fuel cell power  
systems — Safety (IEC 62282-6-100:2010)

## 27.120.10 Reaktorska tehnika

### Evropska normizacija

EN 60709:2010

Nuclear power plants — Instrumentation and control systems  
important to safety — Separation (IEC 60709:2004)

## 27.120.20 Nuklearna postrojenja. Sigurnost

### Međunarodna normizacija (IEC)

IEC 62465:2010

Nuclear power plants — Instrumentation and control important  
to safety — Management of ageing of electrical cabling  
systems

### Evropska normizacija

EN 62340:2010

Nuclear power plants — Instrumentation and control systems  
important to safety — Requirements for coping with Common  
Cause Failure (CCF) (IEC 62340:2007)

## 27.160 Sunčeva energija

### Međunarodna normizacija (IEC)

IEC 62109-1:2010

Safety of power converters for use in photovoltaic power  
systems — Part 1: General requirements

### Evropska normizacija

EN 50530:2010

Overall efficiency of grid connected photovoltaic inverters



## 27.180 Sustavi vjetrenih turbina i drugi alternativni izvori energije

### Međunarodna normizacija (IEC)

IEC 61400-22:2010  
Wind turbines – Part 22: Conformity testing and certification

## 29.020 Elektrotehnika općenito

### Međunarodna normizacija (IEC)

IEC 60027-7:2010  
Letter symbols to be used in electrical technology – Part 7: Power generation, transmission and distribution

IEC 60695-6-1/am1:2010  
Amendment 1 – Fire hazard testing – Part 6-1: Smoke obscuration – General guidance

## 29.030 Magnetska gradiva

### Međunarodna normizacija (IEC)

IEC 60404-3 Edition 2.2:2010  
Magnetic materials – Part 3: Methods of measurement of the magnetic properties of electrical steel strip and sheet by means of a single sheet tester

## 29.040.10 Izolacijska ulja

### Međunarodna normizacija (IEC)

IEC 60666:2010  
Detection and determination of specified additives in mineral insulating oils

## 29.060.10 Žice

### Međunarodna normizacija (IEC)

IEC 60317-26/am2:2010  
Amendment 2 – Specifications for particular types of winding wires – Part 26: Polyamide-imide enamelled round copper wire, class 200

IEC 60317-29/am2:2010  
Amendment 2 – Specifications for particular types of winding wires – Part 29: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular copper wire, class 200

### Europska normizacija

EN 60317-43:1997/A1:2010  
Specifications for particular types of winding wires – Part 43: Aromatic polyimide tape wrapped round copper wire, class 240 (IEC 60317-43:1997/A1:2010)

EN 60317-13:2010  
Specifications for particular types of winding wires – Part 13: Polyester or polyesterimide overcoated with polyamide-imide enamelled round copper wire, class 200 (IEC 60317-13:2010)

EN 60317-17:2010  
Specifications for particular types of winding wires – Part 17: Polyvinyl acetal enamelled rectangular copper wire, class 105 (IEC 60317-17:2010)

EN 60317-25:2010  
Specifications for particular types of winding wires – Part 25: Polyester or polyesterimide overcoated with polyamide-imide enamelled round aluminium wire, class 200 (IEC 60317-25:2010)

## 29.080.30 Izolacijski sustavi

### Međunarodna normizacija (IEC)

IEC 60664-3/am1:2010  
Amendment 1 – Insulation coordination for equipment within low-voltage systems – Part 3: Use of coating, potting or moulding for protection against pollution

### Europska normizacija

EN 60034-18-1:2010  
Rotating electrical machines – Part 18-1: Functional evaluation of insulation systems – General guidelines (IEC 60034-18-1:2010)

## 29.120.50 Osigurači i drugi uređaji za nadstrujnu zaštitu

### Međunarodna normizacija (IEC)

IEC 60269-2:2010  
Low-voltage fuses – Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) – Examples of standardized systems of fuses A to J

IEC 60269-3:2010  
Low-voltage fuses – Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household or similar applications) – Examples of standardized systems of fuses A to F

IEC 60364-4-42:2010  
Low-voltage electrical installations – Part 4-42: Protection for safety – Protection against thermal effects

IEC 60364-4-44:2010  
Corrigendum 1 – Low-voltage electrical installations – Part 4-44: Protection for safety – Protection against voltage disturbances and electromagnetic disturbances

## 29.120.70 Sklopnici

### Međunarodna normizacija (IEC)

IEC 60255-127:2010  
Measuring relays and protection equipment – Part 127: Functional requirements for over/under voltage protection

IEC 61810-1 Corrigendum 1:2010  
Electromechanical elementary relays – Part 1: General requirements

## 29.130.10 Visokonaponski rasklopni i upravljački uređaji

### Međunarodna normizacija (IEC)

IEC 62271-101/am1:2010  
Amendment 1 – High-voltage switchgear and controlgear – Part 101: Synthetic testing

### Europska normizacija

EN 50532:2010  
Compact Equipment Assembly for Distribution Substations (CEADS)

CLC/TR 62271-208:2010  
High-voltage switchgear and controlgear – Part 208: Methods to quantify the steady state, power-frequency electromagnetic fields generated by HV switchgear assemblies and HV/LV prefabricated substations (IEC/TR 62271-208:2009)

## 29.130.20 Niskonaponski rasklopni i upravljački uređaji

### Europska normizacija

EN 60947-4-1:2010  
Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters

## 29.140.01 Svjetiljke općenito

### Međunarodna normizacija (IEC)

IEC 61547 Corrigendum 1:2010  
Equipment for general lighting purposes – EMC immunity requirements

## 29.140.20 Svjetiljke sa žarnom niti

### Europska normizacija

EN 61549:2003/A2:2010  
Miscellaneous lamps (IEC 61549:2003/A2:2010)

## 29.140.30 Fluorescentne svjetiljke. Svjetiljke s izbojem

### Europska normizacija

EN 61549:2003/A2:2010  
Miscellaneous lamps (IEC 61549:2003/A2:2010)

## 29.140.40 Rasvjetna tijela

### Europska normizacija

EN 60598-2-20:2010  
Luminaires — Part 2-20: Particular requirements — Lighting chains (IEC 60598-2-20:2010, modified)

## 29.160.01 Rotacijski strojevi općenito

### Europska normizacija

EN 60034-18-1:2010  
Rotating electrical machines — Part 18-1: Functional evaluation of insulation systems — General guidelines (IEC 60034-18-1:2010)

## 29.200 Ispravljači. Pretvarači. Stabilizirano napajanje

### Međunarodna normizacija (IEC)

IEC 62109-1:2010  
Safety of power converters for use in photovoltaic power systems — Part 1: General requirements  
IEC/TR 60919-1:2010  
Performance of high-voltage direct current (HVDC) systems with line-commutated converters — Part 1: Steady-state conditions

## 29.240.01 Mreže za prijenos i razdiobu električne energije općenito

### Europska normizacija

CLC/TR 50555:2010  
Interruption indexes

## 29.260.20 Električni uređaji za eksplozivnu atmosfera

### Europska normizacija

EN 60079-29-4:2010  
Explosive atmospheres — Part 29-4: Gas detectors — Performance requirements of open path detectors for flammable gases (IEC 60079-29-4:2009, modified)

## 29.280 Oprema za električnu vuču

### Međunarodna normizacija (IEC)

IEC/TR 62278-3:2010  
Railway applications — Specification and demonstration of reliability, availability, maintainability and safety (RAMS) — Part 3: Guide to the application of IEC 62278 for rolling stock RAM

## 31.020 Elektroničke sastavnice općenito

### Europska normizacija

EN 31010:2010  
Risk management — Risk assessment techniques (IEC/ISO 31010:2009)

## 31.060.99 Drugi kondenzatori

### Europska normizacija

EN 62576:2010  
Electric double-layer capacitors for use in hybrid electric vehicles — Test methods for electrical characteristics (IEC 62576:2009)

## 31.080.01 Poluvodički uređaji općenito

### Međunarodna normizacija (IEC)

IEC 62418:2010  
Semiconductor devices — Metallization stress void test  
IEC 62415:2010  
Semiconductor devices — Constant current electromigration test

## 31.080.30 Tranzistori

### Međunarodna normizacija (IEC)

IEC 62416:2010  
Semiconductor devices — Hot carrier test on MOS transistors

## 31.120 Elektronički pokazni uređaji

### Europska normizacija

EN 61747-5-3:2010  
Liquid crystal display devices — Part 5-3: Environmental, endurance and mechanical test methods — Glass strength and reliability (IEC 61747-5-3:2009, modified)

## 31.140 Piezoelektrični i dielektrični uređaji

### Međunarodna normizacija (IEC)

IEC/PAS 61338-1-5:2010  
Waveguide type dielectric resonators — Part 1-5: General information and test conditions — Measurement method of conductivity at interface between conductor layer and dielectric substrate at microwave frequency

## 31.180 Tiskani krugovi i pločice

### Međunarodna normizacija (IEC)

IEC 61249-2-41:2010  
Materials for printed boards and other interconnecting structures — Part 2-41: Reinforced base materials clad and unclad — Brominated epoxide cellulose paper/woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly  
IEC 61249-2-42:2010  
Materials for printed boards and other interconnecting structures — Part 2-42: Reinforced base materials clad and unclad — Brominated epoxide non-woven/woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly

## Europska normizacija

- EN 61191-6:2010  
Printed board assemblies — Part 6: Evaluation criteria for voids in soldered joints of BGA and LGA and measurement method (IEC 61191-6:2010)
- EN 61249-2-41:2010  
Materials for printed boards and other interconnecting structures — Part 2-41: Reinforced base materials clad and unclad — Brominated epoxide cellulose paper/woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-41:2010)
- EN 61249-2-42:2010  
Materials for printed boards and other interconnecting structures — Part 2-42: Reinforced base materials clad and unclad — Brominated epoxide non-woven/woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-42:2010)

## 31.200 Integrirani krugovi. Mikroelektronika

### Međunarodna normizacija (IEC)

- IEC 60747-16-3 Edition 1.1:2010  
Semiconductor devices — Part 16-3: Microwave integrated circuits — Frequency converters
- IEC 62417:2010  
Semiconductor devices — Mobile ion tests for metal-oxide semiconductor field effect transistors (MOSFETs)
- IEC 60747-1/am1:2010  
Amendment 1 — Semiconductor devices — Part 1: General
- IEC/TR 61967-1-1:2010  
Integrated circuits — Measurement of electromagnetic emissions — Part 1-1: General conditions and definitions — Near-field scan data exchange format

### Europska normizacija

- EN 62417:2010  
Semiconductor devices — Mobile ion tests for metal-oxide semiconductor field effect transistors (MOSFETs) (IEC 62417:2010)

## 31.220.10 Utikački i utičnički uređaji. Konektori

### Međunarodna normizacija (IEC)

- IEC 60603-7-2:2010  
Connectors for electronic equipment — Part 7-2: Detail specification for 8-way, unshielded, free and fixed connectors, for data transmissions with frequencies up to 100 MHz
- IEC 60603-7-3:2010  
Connectors for electronic equipment — Part 7-3: Detail specification for 8-way, shielded, free and fixed connectors, for data transmission with frequencies up to 100 MHz
- IEC 60603-7-4:2010  
Connectors for electronic equipment — Part 7-4: Detail specification for 8-way, unshielded, free and fixed connectors, for data transmissions with frequencies up to 250 MHz
- IEC 60603-7-5:2010  
Connectors for electronic equipment — Part 7-5: Detail specification for 8-way, shielded, free and fixed connectors, for data transmissions with frequencies up to 250 MHz
- IEC 61076-2-101 Corrigendum 1:2010  
Connectors for electronic equipment — Product requirements — Part 2-101: Circular connectors — Detail specification for M12 connectors with screw-locking
- IEC 61076-2-107:2010  
Connectors for electronic equipment — Product requirements — Part 2-107: Detail specification for circular hybrid connectors M12 with electrical and fibre-optic contacts with screw locking

- IEC 61076-3-101:2010  
Corrigendum 1 — Connectors with assessed quality, for use in d.c., low-frequency analogue and in digital high-speed data applications — Part 3: Rectangular connectors — Section 101: Detail specification for a range of shielded connectors with trapezoidal shaped shells and non-removable rectangular contacts on a 1,27 mm x 2,54 mm centre-line
- IEC 61076-3-118:2010  
Connectors for electronic equipment — Product requirements — Part 3-118: Rectangular connectors — Detail specification for a 4 pole plus PE power connector with push-pull coupling
- IEC 60603-7-7:2010  
Connectors for electronic equipment — Part 7-7: Detail specification for 8-way, shielded, free and fixed connectors for data transmission with frequencies up to 600 MHz

### Europska normizacija

- EN 60512-9-1:2010  
Connectors for electronic equipment — Tests and measurements — Part 9-1: Endurance tests — Test 9a: Mechanical operation (IEC 60512-9-1:2010)
- EN 60603-7-41:2010  
Connectors for electronic equipment — Part 7-41: Detail specification for 8-way, unshielded, free and fixed connectors, for data transmissions with frequencies up to 500 MHz (IEC 60603-7-41:2010)
- EN 60603-7-51:2010  
Connectors for electronic equipment — Part 7-51: Detail specification for 8-way, shielded, free and fixed connectors, for data transmissions with frequencies up to 500 MHz

## 31.240 Mehaničke konstrukcije za elektroničku opremu

### Međunarodna normizacija (IEC)

- IEC 60191-6-18:2010  
Corrigendum 1 — Mechanical standardization of semiconductor devices — Part 6-18: General rules for the preparation of outline drawings of surface mounted semiconductor device packages — Design guide for ball grid array (BGA)

### Europska normizacija

- EN 60297-3-106:2010  
Mechanical structures for electronic equipment — Dimensions of mechanical structures of the 482,6 mm (19 in) series — Part 3-106: Adaptation dimensions for subracks and chassis applicable with metric cabinets or racks in accordance with IEC 60917-2-1 (IEC 60297-3-106:2009)
- EN 60917-2-4:2010  
Modular order for the development of mechanical structures for electronic equipment practices — Part 2-4: Sectional specification — Interface coordination dimensions for the 25 mm equipment practice — Adaptation dimensions for subracks or chassis applicable in cabinets or racks in accordance with IEC 60297-3-100 (19 in) (IEC 60917-2-4:2010)

## 31.260 Optoelektronika. Laserska oprema

### Međunarodna normizacija (IEC)

- IEC 60825-1 Interpretation Sheet 1:2009  
Safety of laser products — Part 1: Equipment classification and requirements

## 33.040.40 Mreže za prijenos podataka

### Međunarodna normizacija (ISO)

- ISO/IEC 13157-1:2010  
Information technology — Telecommunications and information exchange between systems — NFC Security — Part 1: NFC-SEC NFCIP-1 security services and protocol
- ISO/IEC 13157-2:2010  
Information technology — Telecommunications and information exchange between systems — NFC Security — Part 2: NFC-SEC cryptography standard using ECDH and AES

## 33.060.20 Prijamna i odašiljačka oprema

### Europska normizacija

- EN 301 025-1 V1.4.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – VHF radiotelephone equipment for general communications and associated equipment for Class “D” Digital Selective Calling (DSC) – Part 1: Technical characteristics and methods of measurement
- EN 301 908-1 V4.2.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 1: Harmonized EN for IMT-2000, introduction and common requirements, covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 301 908-2 V4.2.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 2: Harmonized EN for IMT-2000, CDMA Direct Spread (UTRA FDD and E-UTRA FDD) (UE) covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 301 908-3 V4.2.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 3: Harmonized EN for IMT-2000, CDMA Direct Spread (UTRA FDD and E-UTRA FDD) (BS) covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 301 908-4 V4.2.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 4: Harmonized EN for IMT-2000, CDMA Multi-Carrier (cdma2000) and Evolved CDMA Multi-Carrier Ultra Mobile Broadband (UMB) (UE) covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 301 908-5 V4.2.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 5: Harmonized EN for IMT-2000, CDMA Multi-Carrier (cdma2000) and Evolved CDMA Multi-Carrier Ultra Mobile Broadband (UMB) (BS) covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 301 908-6 V4.2.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 6: Harmonized EN for IMT-2000, CDMA TDD (UTRA TDD and E-UTRA TDD) (UE) covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 301 908-7 V4.2.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 7: Harmonized EN for IMT-2000, CDMA TDD (UTRA TDD and E-UTRA TDD) (BS) covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 301 908-11 V4.2.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 11: Harmonized EN for IMT-2000, CDMA Direct Spread (UTRA FDD and E-UTRA FDD) (Repeaters) covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 301 908-12 V4.2.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 12: Harmonized EN for IMT-2000, CDMA Multi-Carrier (cdma2000) (Repeaters) covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 301 908-13 V4.2.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 13: Harmonized EN for IMT-2000, Evolved Universal Terrestrial Radio Access (E-UTRA) (UE) covering the essential requirements of article 3.2 of the R&TTE Directive

- EN 301 908-14 V4.2.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 14: Harmonized EN for IMT-2000, Evolved Universal Terrestrial Radio Access (E-UTRA) (BS) covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 301 908-15 V4.2.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 15: Harmonized EN for IMT-2000, Evolved Universal Terrestrial Radio Access (E-UTRA) (FDD Repeaters) covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 301 908-16 V4.2.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 16: Harmonized EN for IMT-2000, Evolved CDMA Multi-Carrier Ultra Mobile Broadband (UMB) (UE) covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 301 908-17 V4.2.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 17: Harmonized EN for IMT-2000, Evolved CDMA Multi-Carrier Ultra Mobile Broadband (UMB) (BS) covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 302 645 V1.1.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices; Global Navigation Satellite Systems (GNSS) Repeaters – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 300 676-2 V1.4.1  
Ground-based VHF hand-held, mobile and fixed radio transmitters, receivers and transceivers for the VHF aeronautical mobile service using amplitude modulation – Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive

## 33.100.01 Elektromagnetska spojivost općenito

### Međunarodna normizacija (IEC)

- IEC/TR 61000-3-13 Corrigendum 1:2010  
Electromagnetic compatibility (EMC) – Part 3-13: Limits – Assessment of emission limits for the connection of unbalanced installations to MV, HV and EHV power systems

## 33.100.20 Neosjetljivost

### Međunarodna normizacija (IEC)

- IEC 61000-4-3:2006+A1:2007+A2:2010  
Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test
- IEC 61000-4-18/am1:2010  
Amendment 1 – Electromagnetic compatibility (EMC) – Part 4-18: Testing and measurement techniques – Damped oscillatory wave immunity test
- IEC/TR 62153-4-1:2010  
Metallic communication cable test methods – Part 4-1: Electromagnetic compatibility (EMC) – Introduction to electromagnetic (EMC) screening measurements

## 33.120.10 Suosni kabeli. Valovodi

### Međunarodna normizacija (IEC)

- IEC/PAS 61338-1-5:2010  
Waveguide type dielectric resonators – Part 1-5: General information and test conditions – Measurement method of conductivity at interface between conductor layer and dielectric substrate at microwave frequency
- IEC/TR 62153-4-1:2010  
Metallic communication cable test methods – Part 4-1: Electromagnetic compatibility (EMC) – Introduction to electromagnetic (EMC) screening measurements

## 33.120.20 Žice i simetrični kablovi

### Međunarodna normizacija (IEC)

IEC 61156-2:2010

Multicore and symmetrical pair/quad cables for digital communications – Part 2: Symmetrical pair/quad cables with transmission characteristics up to 100 MHz – Horizontal floor wiring – Sectional specification

## 33.120.30 RF konektori

### Međunarodna normizacija (IEC)

IEC/PAS 61169-43:2010

Radio-frequency connectors – Part 43: Sectional specification for RBMA series blind mating RF coaxial connectors

IEC/PAS 61169-44:2010

Radio-frequency connectors – Part 44: Sectional specification for SMP push-on radio-frequency coaxial connectors

## 33.160.30 Audiosustavi

### Međunarodna normizacija (IEC)

IEC 61937-11:2010

Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 11: MPEG-4 AAC and its extensions in LATM/LOAS

IEC 61937-12:2010

Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 12: Non-linear PCM bitstreams according to the DRA formats

## 33.160.40 Videosustavi

### Međunarodna normizacija (IEC)

IEC 61834-4/am1:2010

Amendment 1 – Recording – Helical-scan digital video cassette recording system using 6,35 mm magnetic tape for consumer use (525-60, 625-50, 1125-60 and 1125-50 systems) – Part 4: Pack header table and contents

## 33.160.60 Multimedijski sustavi za telekonferencijsku opremu

### Međunarodna normizacija (IEC)

IEC 62514:2010

Multimedia gateway in home networks – Guidelines

## 33.170 Televizijski i radijski prijenos

### Međunarodna normizacija (IEC)

IEC 62106/Corr.1:2010

Corrigendum 1 – Specification of the Radio Data System (RDS) for VHF/FM sound broadcasting in the frequency range from 87,5 MHz to 108,0 MHz

### Europska normizacija

EN 300 468 V1.11.1

Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems

EN 302 769 V1.1.1

Digital Video Broadcasting (DVB) – Frame structure channel coding and modulation for a second generation digital transmission system for cable systems (DVB-C2)

## 33.180.01 Svjetlovodni sustavi općenito

### Europska normizacija

EN 61280-1-3:2010

Fibre optic communication subsystem test procedures – Part 1-3: General communication subsystems – Central wavelength and spectral width measurement (IEC 61280-1-3:2010)

## 33.180.10 Svjetlovodna vlakna i kablovi

### Međunarodna normizacija (IEC)

IEC 60793-1-30:2010

Optical fibres – Part 1-30: Measurement methods and test procedures – Fibre proof test

IEC 60793-1-31:2010

Optical fibres – Part 1-31: Measurement methods and test procedures – Tensile strength

IEC 60793-1-32:2010

Optical fibres – Part 1-32: Measurement methods and test procedures – Coating strippability

IEC/TR 62362:2010

Selection of optical fibre cable specifications relative to mechanical, ingress, climatic or electromagnetic characteristics – Guidance

## 33.180.20 Svjetlovodni vezni uređaji

### Međunarodna normizacija (IEC)

IEC 60875-1:2010

Fibre optic interconnecting devices and passive components – Non-wavelength-selective fibre optic branching devices – Part 1: Generic specification

IEC 61076-2-107:2010

Connectors for electronic equipment – Product requirements – Part 2-107: Detail specification for circular hybrid connectors M12 with electrical and fibre-optic contacts with screw locking

IEC 61300-2-24:2010

Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-24: Tests – Screen testing of ceramic alignment split sleeve by stress application

IEC 61753-121-2:2010

Fibre optic interconnecting devices and passive components – Performance standard – Part 121-2: Simplex and duplex cords with single-mode fibre and cylindrical ferrule connectors for category C – Controlled environment

IEC 61753-121-3:2010

Fibre optic interconnecting devices and passive components – Performance standard – Part 121-3: Simplex and duplex cords with single-mode fibre and cylindrical ferrule connectors for category U – Uncontrolled environment

IEC 61977:2010

Fibre optic interconnecting devices and passive components – Fibre optic filters – Generic specification

### Europska normizacija

EN 61977:2010

Fibre optic interconnecting devices and passive components – Fibre optic filters – Generic specification (IEC 61977:2010)

## 33.180.30 Optička pojačala

### Međunarodna normizacija (IEC)

IEC 62149-4:2010

Fibre optic active components and devices – Performance standards – Part 4: 1 300 nm fibre optic transceivers for Gigabit Ethernet application

IEC 62343-3-1:2010

Dynamic modules – Part 3-1: Performance specification templates – Dynamic channel equalizers

IEC/TR 62343-6-3:2010

Dynamic modules – Part 6-3: Round robin measurement results for group delay ripple of tunable dispersion compensators

## 33.180.99 Druga svjetlovodna oprema

### Međunarodna normizacija (IEC)

IEC/PAS 61753-088-2:2010

Fibre optic interconnecting devices and passive components performance standard – Part 088-2: Non-connectorised single-mode fibre optic LAN WDM devices with channel spacing of 800 GHz for category C – Controlled environments

### Europska normizacija

EN 62496-3-1:2010

Optical circuit boards – Part 3-1: Performance standards – Flexible optical circuit boards using unconnectorized optical glass fibres (IEC 62496-3-1:2009)

## 35.020 Informacijska tehnika (IT) općenito

### Međunarodna normizacija (ISO)

ISO/IEC TR 20000-5:2010

Information technology – Service management – Part 5: Exemplar implementation plan for ISO/IEC 20000-1

### Europska normizacija

CWA 16113:2010

Personal Data Protection Good Practices

## 35.040 Skupovi znakova i informacijsko kodiranje

### Međunarodna normizacija (ISO)

ISO/IEC TR 19791:2010

Information technology – Security techniques – Security assessment of operational systems

ISO/IEC 24800-3:2010

Information technology – JPSearch – Part 3: Query format

ISO/IEC 13818-2:2000/Amd 3:2010

Information technology – Generic coding of moving pictures and associated audio information: Video – Amendment 3 – New level for 1080@50p/60p

ISO/IEC 14496-4:2004/Amd 38:2010

Information technology – Coding of audio-visual objects – Part 4: Conformance testing – Amendment 38: Conformance testing for Multiview Video Coding

ISO/IEC 14496-5:2001/Amd 15:2010

Information technology – Coding of audio-visual objects – Part 5: Reference software – Amendment 15: Reference software for Multiview Video Coding

ISO/IEC 14496-20:2008/Amd 3:2010

Information technology – Coding of audio-visual objects – Part 20: Lightweight Application Scene Representation (LASER) and Simple Aggregation Format (SAF) – Amendment 3: Presentation and Modification of Structured Information (PMSI)

ISO/IEC 14496-26:2010

Information technology – Coding of audio-visual objects – Part 26: Audio conformance

ISO/IEC 15421:2010

Information technology – Automatic identification and data capture techniques – Bar code master test specifications

ISO/IEC 15938-6:2003/Amd 3:2010

Information technology – Multimedia content description interface – Part 6: Reference software – Amendment 3: Reference software for image signature tools

ISO/IEC 23000-6:2009/Amd 1:2010

Information technology – Multimedia application format (MPEG-A) – Part 6: Professional archival application format – Amendment 1: Conformance and reference software for professional archival application format

ISO/IEC 29133:2010

Information technology – Automatic identification and data capture techniques – Quality test specification for rewritable hybrid media data carriers

## Međunarodna normizacija (IEC)

IEC 61937-12:2010

Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 12: Non-linear PCM bitstreams according to the DRA formats

## 35.060 Jezici koji se upotrebljavaju u informatičkoj tehnici

### Međunarodna normizacija (ISO)

ISO/IEC 29500-1:2008/Cor 1:2010

Corrigendum 1 – Information technology – Document description and processing languages – Office Open XML File Formats – Part 1: Fundamentals and Markup Language Reference

ISO/IEC 29500-2:2008/Cor 1:2010

Corrigendum 1 – Information technology – Document description and processing languages – Office Open XML File Formats – Part 2: Open Packaging Conventions

ISO/IEC 29500-3:2008/Cor 1:2010

Corrigendum 1 – Information technology – Document description and processing languages – Office Open XML File Formats – Part 3: Markup Compatibility and Extensibility

ISO/IEC 29500-4:2008/Amd 1:2010

Corrigendum 1 – Information technology – Document description and processing languages – Office Open XML File Formats – Part 4: Transitional Migration Features

## 35.080 Razvoj računalne podrške i dokumentacijski sustav

### Međunarodna normizacija (IEC)

IEC 61508-3:2010

Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 3: Software requirements

## 35.100.30 Mrežni sloj

### Međunarodna normizacija (ISO)

ISO/IEC 18051:2010

Information technology – Telecommunications and information exchange between systems – Services for Computer Supported Telecommunications Applications (CSTA) Phase III

ISO/IEC 18056:2010

Information technology – Telecommunications and information exchange between systems – XML protocol for Computer Supported Telecommunications Applications (CSTA) Phase III

## 35.100.40 Prijenosni sloj

### Međunarodna normizacija (ISO)

ISO/IEC 14476-4:2010

Information technology – Enhanced communications transport protocol: Specification of QoS management for duplex multicast transport

ISO/IEC 14476-6:2010

Information technology – Enhanced communications transport protocol: Specification of QoS management for n-plex multicast transport

## 35.100.50 Sloj zasjedanja

### Međunarodna normizacija (ISO)

ISO/IEC 24792:2010

Information technology – Telecommunications and information exchange between systems – Multicast Session Management Protocol (MSMP)

## 35.110 Umreživanje

### Međunarodna normizacija (ISO)

- ISO/IEC 11801:2002/Amd 2:2010  
Amendment 2 – Information technology – Generic cabling for customer premises
- ISO/IEC 13157-1:2010  
Information technology – Telecommunications and information exchange between systems – NFC Security – Part 1: NFC-SEC NFCIP-1 security services and protocol
- ISO/IEC 13157-2:2010  
Information technology – Telecommunications and information exchange between systems – NFC Security – Part 2: NFC-SEC cryptography standard using ECDH and AES
- ISO/IEC 24764:2010  
Information technology – Generic cabling systems for data centres

### Međunarodna normizacija (IEC)

- IEC 62514:2010  
Multimedia gateway in home networks – Guidelines

## 35.140 Računalna grafika

### Međunarodna normizacija (ISO)

- ISO 29481-1:2010  
Building information modelling – Information delivery manual – Part 1: Methodology and format

## 35.160 Mikroprocesorski sustavi

### Međunarodna normizacija (IEC)

- IEC 62591:2010  
Industrial communication networks – Wireless communication network and communication profiles – WirelessHART™

## 35.200 Sučelna i vezna oprema

### Međunarodna normizacija (ISO)

- ISO/IEC 11989:2010  
Information technology – iSCSI management API
- ISO/IEC 24739-3:2010  
Information technology – AT attachment with packet interface-7 – Part 3: Serial transport protocols and physical interconnect (ATA/ATAPI-7 V3)

## 35.240.15 Identifikacijske kartice i srodni uređaji

### Međunarodna normizacija (ISO)

- ISO/IEC 19785-1:2006/Amd 1:2010  
Information technology – Common Biometric Exchange Formats Framework – Part 1: Data element specification – Amendment 1: Support for additional data elements
- ISO/IEC 19785-2:2006/Amd 1:2010  
Information technology – Common Biometric Exchange Formats Framework – Part 2: Procedures for the operation of the Biometric Registration Authority – Amendment 1: Additional registrations
- ISO/IEC 19785-3:2007/Amd 1:2010  
Information technology – Common Biometric Exchange Formats Framework – Part 3: Patron format specifications – Amendment 1: Support for Additional Data Elements
- ISO/IEC 19794-2:2005/Amd 1:2010  
Information technology – Biometric data interchange formats – Part 2: Finger minutiae data – Amendment 1: Detailed description of finger minutiae location, direction, and type
- ISO/IEC TR 29794-4:2010  
Information technology – Biometric sample quality – Part 4: Finger image data

- ISO/IEC TR 29794-5:2010  
Information technology – Biometric sample quality – Part 5: Face image data
- ISO/IEC 10373-2:2006/Cor 1:2010  
Corrigendum 1 – Identification cards – Test methods – Part 2: Cards with magnetic stripes
- ISO/IEC 29109-2:2010  
Information technology – Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 – Part 2: Finger minutiae data
- ISO/IEC 29109-4:2010  
Information technology – Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 – Part 4: Finger image data

## 35.240.30 Primjene IT-a u obavješćivanju, dokumentaciji i izdavaštvu

### Međunarodna normizacija (ISO)

- ISO/IEC 29500-1:2008/Cor 1:2010  
Corrigendum 1 – Information technology – Document description and processing languages – Office Open XML File Formats – Part 1: Fundamentals and Markup Language Reference
- ISO/IEC 29500-2:2008/Cor 1:2010  
Corrigendum 1 – Information technology – Document description and processing languages – Office Open XML File Formats – Part 2: Open Packaging Conventions
- ISO/IEC 29500-3:2008/Cor 1:2010  
Corrigendum 1 – Information technology – Document description and processing languages – Office Open XML File Formats – Part 3: Markup Compatibility and Extensibility
- ISO/IEC 29500-4:2008/Cor 1:2010  
Corrigendum 1 – Information technology – Document description and processing languages – Office Open XML File Formats – Part 4: Transitional Migration Features

## 35.240.50 Primjene IT-a u industriji

### Međunarodna normizacija (ISO)

- ISO 10303-214:2010  
Industrial automation systems and integration – Product data representation and exchange – Part 214: Application protocol: Core data for automotive mechanical design processes
- ISO 13399-1:2006/Amd 1:2010  
Cutting tool data representation and exchange – Part 1: Overview, fundamental principles and general information model; Amendment 1

### Međunarodna normizacija (IEC)

- IEC 62591:2010  
Industrial communication networks – Wireless communication network and communication profiles – WirelessHART™

### Europska normizacija

- CWA 16111:2010  
Voluntary Technology Dialogue Framework (VTDF)
- CWA 16112:2010  
Self-assessment framework for managers

## 35.240.60 Primjene IT-a u prijevozu i trgovini

### Međunarodna normizacija (ISO)

- ISO/TR 11766:2010  
Intelligent transport systems – Communications access for land mobiles (CALM) – Security considerations for lawful interception
- ISO 15622:2010  
Intelligent transport systems – Adaptive Cruise Control systems – Performance requirements and test procedures
- ISO 21217:2010  
Intelligent transport systems – Communications access for land mobiles (CALM) – Architecture

- ISO 22840:2010  
Intelligent transport systems – Devices to aid reverse manoeuvres – Extended-range backing aid systems (ERBA)
- ISO 11784:1996/Amd 2:2010  
Radio frequency identification of animals – Code structure – Amendment 2: Indication of an advanced transponder
- ISO 24100:2010  
Intelligent transport systems – Basic principles for personal data protection in probe vehicle information services

#### Europska normizacija

- EN 15876-1:2010  
Electronic fee collection – Evaluation of on-board and roadside equipment for conformity to EN 15509 – Part 1: Test suite structure and test purposes

### 35.240.70 Primjene IT-a u znanosti

#### Europska normizacija

- CWA 16111:2010  
Voluntary Technology Dialogue Framework (VTDF)
- CWA 16112:2010  
Self-assessment framework for managers

### 35.240.80 Primjene IT-a u tehnici zaštite zdravlja

#### Međunarodna normizacija (ISO)

- ISO/IEEE 11073-10404:2010  
Health informatics – Personal health device communication – Part 10404: Device specialization – Pulse oximeter
- ISO/IEEE 11073-10407:2010  
Health informatics – Personal health device communication – Part 10407: Device specialization – Blood pressure monitor
- ISO/IEEE 11073-10408:2010  
Health informatics – Personal health device communication – Part 10408: Device specialization – Thermometer
- ISO/IEEE 11073-10415:2010  
Health informatics – Personal health device communication – Part 10415: Device specialization – Weighing scale
- ISO/IEEE 11073-10417:2010  
Health informatics – Personal health device communication – Part 10417: Device specialization – Glucose meter
- ISO/IEEE 11073-10471:2010  
Health informatics – Personal health device communication – Part 10471: Device specialization – Independent living activity hub
- ISO/IEEE 11073-20601:2010  
Health informatics – Personal health device communication – Part 20601: Application profile – Optimized exchange protocol
- ISO 15225:2010  
Medical devices – Quality management – Medical device nomenclature data structure

#### Međunarodna normizacija (IEC)

- IEC 60601-2-44/Corr.1:2010  
Corrigendum 1 – Medical electrical equipment – Part 2-44: Particular requirements for the basic safety and essential performance of X-ray equipment for computed tomography

#### Europska normizacija

- EN ISO 15225:2010  
Medical devices – Quality management – Medical device nomenclature data structure (ISO 15225:2010)

### 37.040.20 Fotografski papir, filmovi i kazete

#### Međunarodna normizacija (ISO)

- ISO 18901:2010  
Imaging materials – Processed silver-gelatin-type black-and-white films – Specifications for stability

### 43.020 Cestovna vozila općenito

#### Međunarodna normizacija (ISO)

- ISO 13674-1:2010  
Road vehicles – Test method for the quantification of on-centre handling – Part 1: Weave test

### 43.040.10 Električna i elektronička oprema

#### Međunarodna normizacija (ISO)

- ISO 16750-4:2010  
Road vehicles – Environmental conditions and testing for electrical and electronic equipment – Part 4: Climatic loads
- ISO 16750-5:2010  
Road vehicles – Environmental conditions and testing for electrical and electronic equipment – Part 5: Chemical loads

### 43.040.15 Informatika automobila. Računalni sustavi na vozilu

#### Međunarodna normizacija (ISO)

- ISO 22840:2010  
Intelligent transport systems – Devices to aid reverse manoeuvres – Extended-range backing aid systems (ERBA)

### 43.040.40 Sustavi kočenja

#### Međunarodna normizacija (ISO)

- ISO 8709:2010  
Mopeds – Brakes and brake systems – Tests and measurement methods
- ISO 8710:2010  
Motorcycles – Brakes and brake systems – Tests and measurement methods

### 43.040.65 Sustavi za ostakljivanje i brisanje stakla

#### Međunarodna normizacija (ISO)

- ISO 4513:2010  
Road vehicles – Visibility – Method for establishment of eyellipses for driver's eye location

### 43.100 Osobna vozila. Stambene prikolice i lake prikolice

#### Međunarodna normizacija (ISO)

- ISO 9815:2010  
Road vehicles – Passenger-car and trailer combinations – Lateral stability test

### 43.140 Motocikli i mopedi

#### Međunarodna normizacija (ISO)

- ISO 8709:2010  
Mopeds – Brakes and brake systems – Tests and measurement methods
- ISO 8710:2010  
Motorcycles – Brakes and brake systems – Tests and measurement methods

### 43.160 Vozila za posebne namjene

#### Europska normizacija

- EN 1789:2007+A1:2010  
Medical vehicles and their equipment – Road ambulances



## 43.180 Oprema za dijagnostiku, održavanje i ispitivanje

### Međunarodna normizacija (ISO)

ISO/PAS 3930:2009

Instruments for measuring vehicle exhaust emissions — Metrological and technical requirements; Metrological control and performance tests

## 45.020 Željeznička tehnika općenito

### Međunarodna normizacija (IEC)

IEC/TR 62278-3:2010

Railway applications — Specification and demonstration of reliability, availability, maintainability and safety (RAMS) — Part 3: Guide to the application of IEC 62278 for rolling stock RAM

## 45.040 Materijali i dijelovi za željezničku tehniku

### Europska normizacija

EN 15313:2010

Railway applications — In-service wheelset operation requirements — In-service and off-vehicle wheelset maintenance

## 45.060.01 Željeznička tračna vozila. Općenito

### Međunarodna normizacija (IEC)

IEC 61373:2010

Railway applications — Rolling stock equipment — Shock and vibration tests

## 45.060.10 Željeznička tračna vučna vozila

### Europska normizacija

EN 50206-1:2010

Railway applications — Rolling stock — Pantographs: Characteristics and tests — Part 1: Pantographs for main line vehicles

EN 50206-2:2010

Railway applications — Rolling stock — Pantographs: Characteristics and tests — Part 2: Pantographs for metros and light rail vehicles

## 47.020.01 Brodogradnja i pomorske konstrukcije. Općenito

### Međunarodna normizacija (ISO)

ISO 30002:2010

Ships and marine technology — Ship recycling management systems — Guidelines for selection of ship recyclers (and pro forma contract)

ISO 17631:2002/Amd 1:2010

Ships and marine technology — Shipboard plans for fire protection, life-saving appliances and means of escape — Amendment 1: Requirements specific to high speed crafts

## 47.020.70 Oprema za navigaciju i upravljanje

### Međunarodna normizacija (IEC)

IEC 61108-3:2010

Maritime navigation and radiocommunication equipment and systems — Global navigation satellite systems (GNSS) — Part 3: Galileo receiver equipment — Performance requirements, methods of testing and required test results

### Europska normizacija

EN 62616:2010

Maritime navigation and radiocommunication equipment and systems — Bridge navigational watch alarm system (BNWAS) (IEC 62616:2010)

## 49.025.30 Titan

### Europska normizacija

EN 3459:2010

Aerospace series — Titanium alloy Ti-P63001 (Ti-4Al-4Mo-2Sn) — Solution treated and aged — Plate — 6 mm < a ≤ 50 mm

## 49.025.40 Guma i plastika

### Europska normizacija

EN 4115:2010

Aerospace series — Cushion, rubber for clamps — Dimensions, masses

## 49.030.20 Klinovi, vijci, podloške

### Europska normizacija

EN 4129:2009/AC:2010

Aerospace series — Bolts, normal hexagonal head, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated — Classification: 1 100 MPa (at ambient temperature) / 235 °C

EN 4130:2009/AC:2010

Aerospace series — Bolts, normal hexagonal head, coarse tolerance normal shank, medium length thread, in titanium alloy, aluminium IVD coated — Classification: 1 100 MPa (at ambient temperature) / 425 °C

EN 4131:2009/AC:2010

Aerospace series — Bolts, normal hexagonal head, coarse tolerance normal shank, medium length thread, in heat resisting nickel base alloy, aluminium IVD coated — Classification: 1 250 MPa (at ambient temperature) / 425 °C

EN 4161:2009/AC:2010

Aerospace series — Screws, pan head, offset cruciform recess, coarse tolerance normal shank, long thread, in alloy steel, cadmium plated — Classification: 1 100 MPa (at ambient temperature) / 235 °C

## 49.030.30 Matice

### Europska normizacija

EN 4622:2010

Aerospace series — Inserts, MJ threads, self-locking, with self-broaching keys, in heat resisting steel FE-PA2601 (A286), MoS2 coated

EN 4623:2010

Aerospace series — Inserts, MJ threads, self-locking, with self-broaching keys, in heat resisting nickel base alloy NI-PH2601 (Inconel 718), silver plated

EN 4624:2010

Aerospace series — Inserts, MJ threads, self-locking, with self-broaching keys, in heat resisting nickel base alloy NI-PH1302 (Waspaloy), silver plate

## 49.040 Premazivanje i srodni procesi koji se upotrebljavaju u zrakoplovnoj industriji

### Europska normizacija

EN 4637:2010

Aerospace series — Blast media — White corundum

EN 4638:2010

Aerospace series — Blast media — Brown corundum, without iron

## 49.060 Zrakoplovna električna oprema i sustavi

### Europska normizacija

EN 3660-006:2010

Aerospace series — Cable outlet accessories for circular and rectangular electrical and optical connectors — Part 006: Cable outlet, self-locking, style C, straight, shielded (cone grounding), unsealed with clamp strain relief — Product standard

EN 3660-007:2010

Aerospace series — Cable outlet accessories for circular and rectangular electrical and optical connectors — Part 007: Cable outlet, self-locking, style C, 90°, shielded (cone grounding), unsealed with clamp strain relief — Product standard

EN 3660-008:2010

Aerospace series — Cable outlet accessories for circular and rectangular electrical and optical connectors — Part 008: Cable outlet, self-locking, style C, 45°, shielded (cone grounding), unsealed with clamp strain relief — Product standard

EN 4650:2010

Aerospace series — Wire and cable marking process, UV Laser

EN 6049-002:2010

Aerospace series — Electrical cables, installation — Protection sleeve in meta-aramid fibres — Part 002: General and list of product standards

EN 6059-501:2010

Aerospace series — Electrical cables, installation — Protection sleeves — Test methods — Part 501: Voltage proof test

## 49.080 Zrakoplovni fluidički sustavi i sastavnice

### Međunarodna normizacija (ISO)

ISO 11639:2010

Aerospace — Part numbering for hose assemblies

## 49.090 Oprema i instrumenti u zrakoplovu

### Europska normizacija

EN 300 676-2 V1.4.1

Ground-based VHF hand-held, mobile and fixed radio transmitters, receivers and transceivers for the VHF aeronautical mobile service using amplitude modulation — Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive

## 53.020.20 Dizalice

### Međunarodna normizacija (ISO)

ISO 7752-1:2010

Cranes — Control layout and characteristics — Part 1: General principles

ISO 7752-3:2010

Cranes — Control layout and characteristics — Part 3: Tower cranes

### Europska normizacija

EN 13135-1:2003+A1:2010

Cranes — Equipment — Part 1: Electrotechnical equipment

## 53.020.30 Pribor za opremu za dizanje

### Međunarodna normizacija (ISO)

ISO 3266:2010

Forged steel eyebolts grade 4 for general lifting purposes

### Europska normizacija

EN ISO 3266:2010

Forged steel eyebolts grade 4 for general lifting purposes (ISO 3266:2010)

## 53.020.99 Druga oprema za dizanje

### Međunarodna normizacija (ISO)

ISO 16368:2010

Mobile elevating work platforms — Design, calculations, safety requirements and test methods

## 55.020 Pakiranje i raspačavanje roba općenito

### Europska normizacija

EN 61340-5-3:2010

Electrostatics — Part 5-3: Protection of electronic devices from electrostatic phenomena — Properties and requirements classifications for packaging intended for electrostatic discharge sensitive devices (IEC 61340-5-3:2010)

## 59.060.01 Tekstilna vlakna općenito

### Međunarodna normizacija (ISO)

ISO 1833-24:2010

Textiles — Quantitative chemical analysis — Part 24: Mixtures of polyester and certain other fibres (method using phenol and tetrachloroethane)

## 59.080.01 Tekstili općenito

### Međunarodna normizacija (ISO)

ISO 105-D01:2010

Textiles — Tests for colour fastness — Part D01: Colour fastness to drycleaning using perchloroethylene solvent

ISO 105-E01:2010

Textiles — Tests for colour fastness — Part E01: Colour fastness to water

ISO 105-E03:2010

Textiles — Tests for colour fastness — Part E03: Colour fastness to chlorinated water (swimming-pool water)

ISO 105-E07:2010

Textiles — Tests for colour fastness — Part E07: Colour fastness to spotting: Water

ISO 105-E09:2010

Textiles — Tests for colour fastness — Part E09: Colour fastness to potting

ISO 105-E12:2010

Textiles — Tests for colour fastness — Part E12: Colour fastness to milling: Alkaline milling

### Europska normizacija

EN ISO 105-D01:2010

Textiles — Tests for colour fastness — Part D01: Colour fastness to drycleaning using perchloroethylene solvent (ISO 105-D01:2010)

EN ISO 105-E01:2010

Textiles — Tests for colour fastness — Part E01: Colour fastness to water (ISO 105-E01:2010)

EN ISO 105-E03:2010

Textiles — Tests for colour fastness — Part E03: Colour fastness to chlorinated water (swimming-pool water) (ISO 105-E03:2010)

EN ISO 105-E07:2010

Textiles — Tests for colour fastness — Part E07: Colour fastness to spotting: Water (ISO 105-E07:2010)

EN ISO 105-E09:2010

Textiles — Tests for colour fastness — Part E09: Colour fastness to potting ISO 105-E03:2010 (ISO 105-E09:2010)

EN ISO 105-E12:2010

Textiles — Tests for colour fastness — Part E12: Colour fastness to milling: Alkaline milling (ISO 105-E12:2010)

## 59.080.40 Premazane tkanine

### Europska normizacija

EN 15619:2008+A1:2010

Rubber or plastic coated fabrics – Safety of temporary structures (tents) – Specification for coated fabrics intended for tents and related structures

## 59.080.60 Tekstilni podni pokrivači

### Međunarodna normizacija (ISO)

ISO 10580:2010

Resilient, textile and laminate floor coverings – Test method for volatile organic compound (VOC) emissions

### Europska normizacija

EN 15825:2010

Textile floor coverings – Classification of machine-made rugs and runners without pile

## 59.080.70 Geotekstili

### Međunarodna normizacija (ISO)

ISO 11058:2010

Geotextiles and geotextile-related products – Determination of water permeability characteristics normal to the plane, without load

ISO 12956:2010

Geotextiles and geotextile-related products – Determination of the characteristic opening size

ISO 12958:2010

Geotextiles and geotextile-related products – Determination of water flow capacity in their plane

### Europska normizacija

EN ISO 11058:2010

Geotextiles and geotextile-related products – Determination of water permeability characteristics normal to the plane, without load (ISO 11058:2010)

EN ISO 12956:2010

Geotextiles and geotextile-related products – Determination of the characteristic opening size (ISO 12956:2010)

EN ISO 12958:2010

Geotextiles and geotextile-related products – Determination of water flow capacity in their plane (ISO 12958:2010)

## 59.140.40 Strojevi i oprema za proizvodnju kože i krzna

### Europska normizacija

EN 13457:2004+A1:2010

Footwear, leather and imitation leather goods manufacturing machines – Splitting, skiving, cutting, cementing and cement drying machines – Safety requirements

## 61.060 Obuća

### Međunarodna normizacija (ISO)

ISO 20869:2010

Footwear – Test methods for outsoles, insoles, lining and insoles – Water soluble content

### Europska normizacija

EN 13457:2004+A1:2010

Footwear, leather and imitation leather goods manufacturing machines – Splitting, skiving, cutting, cementing and cement drying machines – Safety requirements

EN ISO 20869:2010

Footwear – Test methods for outsoles, insoles, lining and insoles – Water soluble content (ISO 20869:2010)

## 65.020.30 Stočarstvo i uzgoj stoke

### Međunarodna normizacija (ISO)

ISO 11784:1996/Amd 2:2010

Radio frequency identification of animals – Code structure – Amendment 2: Indication of an advanced transponder

## 65.040.20 Zgrade i instalacije za obradbu i skladištenje poljoprivrednih proizvoda

### Europska normizacija

EN 1374:2000+A1:2010

Agricultural machinery – Silos stationary unloaders for round silos – Safety

## 65.060.80 Oprema za šumarstvo

### Europska normizacija

EN 60745-2-15/A1:2010

Hand-held motor-operated electric tools – Safety – Part 2-15: Particular requirements for hedge trimmers (IEC 60745-2-15:2006/am1:2010)

## 65.120 Tvari za hranidbu životinja

### Međunarodna normizacija (ISO)

ISO 14183:2005/Cor 1:2010

Animal feeding stuffs – Determination of monensin, narasin and salinomycin contents – Liquid chromatographic method using post-column derivatization

## 65.160 Duhan, duhanski proizvodi i odgovarajuća oprema

### Međunarodna normizacija (ISO)

ISO 12030:2010

Tobacco and tobacco products – Non-destructive determination of strips density variation ratio in case – Ionizing radiation method

## 67.060 Žitarice, mahunjače i proizvodi od žitarica i mahunjača

### Europska normizacija

EN 15850:2010

Foodstuffs – Determination of zearalenone in maize based baby food, barley flour, maize flour, polenta, wheat flour and cereal based foods for infants and young children – HPLC method with immunoaffinity column cleanup and fluorescence detection

EN 15851:2010

Foodstuffs – Determination of aflatoxin B1 in cereal based foods for infants and young children – HPLC method with immunoaffinity column cleanup and fluorescence detection

EN ISO 2171:2010

Cereals, pulses and by-products – Determination of ash yield by incineration (ISO 2171:2007)

EN ISO 5529:2010

Wheat – Determination of the sedimentation index – Zeleny test (ISO 5529:2007)

EN ISO 6540:2010

Maize – Determination of moisture content (on milled grains and on whole grains) (ISO 6540:1980)

EN ISO 11085:2010

Cereals, cereals-based products and animal feeding stuffs – Determination of crude fat and total fat content by the Randall extraction method (ISO 11085:2008)

## 67.200.10 Životinjske i biljne masti i ulja

### Međunarodna normizacija (ISO)

- ISO 12871:2010  
Olive oils and olive-pomace oils — Determination of aliphatic alcohols content by capillary gas chromatography
- ISO 12872:2010  
Olive oils and olive-pomace oils — Determination of the 2-glycerol monopalmitate content
- ISO 12873:2010  
Olive oils and olive-pomace oils — Determination of wax content by capillary gas chromatography

### Europska normizacija

- EN ISO 3960:2010  
Animal and vegetable fats and oils — Determination of peroxide value — Iodometric (visual) endpoint determination (ISO 3960:2007, corrected version 2009-05-15)
- EN ISO 27107:2010  
Animal and vegetable fats and oils — Determination of peroxide value — Potentiometric end-point determination (ISO 27107:2008, corrected version 2009-05-15)
- EN ISO 8292-1:2010  
Animal and vegetable fats and oils — Determination of solid fat content by pulsed NMR — Part 1: Direct method (ISO 8292-1:2008)
- EN ISO 8292-2:2010  
Animal and vegetable fats and oils — Determination of solid fat content by pulsed NMR — Part 2: Indirect method (ISO 8292-2:2008)
- EN ISO 15302:2010  
Animal and vegetable fats and oils — Determination of benzo[a]pyrene — Reverse-phase high performance liquid chromatography method (ISO 15302:2007)

## 67.200.20 Uljarice

### Europska normizacija

- EN ISO 734-2:2010  
Oilseed meals — Determination of oil content — Part 2: Rapid extraction method (ISO 734-2:2008, corrected version 2009-06-01)

## 67.230 Pretpakirana i pripremljena hrana

### Europska normizacija

- EN 15850:2010  
Foodstuffs — Determination of zearalenone in maize based baby food, barley flour, maize flour, polenta, wheat flour and cereal based foods for infants and young children — HPLC method with immunoaffinity column cleanup and fluorescence detection
- EN 15851:2010  
Foodstuffs — Determination of aflatoxin B1 in cereal based foods for infants and young children — HPLC method with immunoaffinity column cleanup and fluorescence detection

## 67.260 Postrojenja i oprema za prehrambenu industriju

### Europska normizacija

- EN 1678:1998+A1:2010  
Food processing machinery — Vegetable cutting machines — Safety and hygiene requirements
- EN 12267:2003+A1:2010  
Food processing machinery — Circular saw machines — Safety and hygiene requirements
- EN 12268:2003+A1:2010  
Food processing machinery — Band saw machines — Safety and hygiene requirements

- EN 12852:2001+A1:2010  
Food processing machinery — Food processors and blenders — Safety and hygiene requirements
- EN 12853:2001+A1:2010  
Food processing machinery — Hand-held blenders and whisks — Safety and hygiene requirements
- EN 13208:2003+A1:2010  
Food processing machinery — Vegetable peelers — Safety and hygiene requirements
- EN 13621:2004+A1:2010  
Food processing machinery — Salad dryers — Safety and hygiene requirements

## 71.040.20 Laboratorijsko posuđe i srodni uređaji

### Međunarodna normizacija (ISO)

- ISO 4787:2010  
Laboratory glassware — Volumetric instruments — Methods for testing of capacity and for use
- ISO 4802-1:2010  
Glassware — Hydrolytic resistance of the interior surfaces of glass containers — Part 1: Determination by titration method and classification
- ISO 4802-2:2010  
Glassware — Hydrolytic resistance of the interior surfaces of glass containers — Part 2: Determination by flame spectrometry and classification

### Europska normizacija

- EN ISO 4787:2010  
Laboratory glassware — Volumetric instruments — Methods for testing of capacity and for use (ISO 4787:2010)

## 71.040.40 Kemijska analiza

### Međunarodna normizacija (IEC)

- IEC 61207-1:2010  
Expression of performance of gas analyzers — Part 1: General

## 71.040.50 Fizikalnokemijske metode analize

### Međunarodna normizacija (ISO)

- ISO 15472:2010  
Surface chemical analysis — X-ray photoelectron spectrometers — Calibration of energy scales

## 71.100.10 Gradiva za proizvodnju aluminija

### Međunarodna normizacija (ISO)

- ISO 12315:2010  
Aluminium oxide primarily used for production of aluminium — Method for calculating the Al<sub>2</sub>O<sub>3</sub> content of smelter-grade alumina

## 71.100.20 Plinovi za industrijsku primjenu

### Međunarodna normizacija (ISO)

- ISO 8573-1:2010  
Compressed air — Part 1: Contaminants and purity classes
- ISO 10156:2010  
Gases and gas mixtures — Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets
- ISO 10298:2010  
Determination of toxicity of a gas or gas mixture

## Europska normizacija

EN ISO 10156:2010

Gases and gas mixtures — Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets (ISO 10156:2010)

## 71.100.80 Kemikalije za pročišćivanje vode

### Europska normizacija

EN 1278:2010

Chemicals used for treatment of water intended for human consumption — Ozone

EN 13177:2010

Chemicals used for treatment of water intended for human consumption — Methanol

EN 12485:2010

Chemicals used for treatment of water intended for human consumption — Calcium carbonate, high-calcium lime, half-burnt dolomite, magnesium oxide and calcium magnesium carbonate — Test methods

## 75.100 Maziva, industrijska ulja i srodni proizvodi

### Međunarodna normizacija (ISO)

ISO 12924:2010

Lubricants, industrial oils and related products (Class L) — Family X (Greases) — Specification

## 75.160.20 Ukapljena goriva

### Međunarodna normizacija (ISO)

ISO 10307-2:2009/Cor 1:2010

Petroleum products — Total sediment in residual fuel oils — Part 2: Determination using standard procedures for ageing

## 75.180.10 Oprema za iskorištavanje i vađenje

### Međunarodna normizacija (ISO)

ISO 17078-4:2010

Petroleum and natural gas industries — Drilling and production equipment — Part 4: Practices for side-pocket mandrels and related equipment

### Europska normizacija

EN ISO 10426-1:2009/AC:2010

Petroleum and natural gas industries — Cements and materials for well cementing — Part 1: Specification — Technical Corrigendum 1 (ISO 10426-1:2009/Cor 1:2010)

EN ISO 17078-4:2010

Petroleum and natural gas industries — Drilling and production equipment — Part 4: Practices for side-pocket mandrels and related equipment (ISO 17078-4:2010)

## 75.200 Naftni proizvodi i oprema za rukovanje prirodnim plinom

### Europska normizacija

EN ISO 21809-5:2010

Petroleum and natural gas industries — External coatings for buried or submerged pipelines used in pipeline transportation systems — Part 5: External concrete coatings (ISO 21809-5:2010)

## 77.040.10 Mehaničko ispitivanje kovina

### Europska normizacija

EN ISO 3738-1:2010

Hardmetals — Rockwell hardness test (scale A) — Part 1: Test method (ISO 3738-1:1982)

## 77.040.99 Druge metode za ispitivanje kovina

### Europska normizacija

EN ISO 4499-1:2010

Hardmetals — Metallographic determination of microstructure — Part 1: Photomicrographs and description (ISO 4499-1:2008)

EN ISO 4499-2:2010

Hardmetals — Metallographic determination of microstructure — Part 2: Measurement of WC grain size (ISO 4499-2:2008)

## 77.080.01 Crne kovine općenito

### Europska normizacija

EN ISO 439:2010

Steel and iron — Determination of total silicon content — Gravimetric method (ISO 439:1994)

EN ISO 15350:2010

Steel and iron — Determination of total carbon and sulfur content — Infrared absorption method after combustion in an induction furnace (routine method) (ISO 15350:2000)

EN ISO 15351:2010

Steel and iron — Determination of nitrogen content — Thermal conductimetric method after fusion in a current of inert gas (Routine method) (ISO 15351:1999)

## 77.140.65 Čelična žica, žičana užad i lanci

### Međunarodna normizacija (ISO)

ISO 17893:2004/Amd 1:2010

Steel wire ropes — Vocabulary, designation and classification

## 77.140.80 Željezni i čelični odljevci

### Međunarodna normizacija (ISO)

ISO 10679:2010/Cor 1:2010

Steel — Cast tool steel

## 77.160 Metalurgija praha

### Europska normizacija

EN ISO 2739:2010

Sintered metal bushes — Determination of radial crushing strength (ISO 2739:2006)

EN ISO 3369:2010

Impermeable sintered metal materials and hardmetals — Determination of density (ISO 3369:2006)

EN ISO 3738-1:2010

Hardmetals — Rockwell hardness test (scale A) — Part 1: Test method (ISO 3738-1:1982)

EN ISO 3923-1:2010

Metallic powders — Determination of apparent density — Part 1: Funnel method (ISO 3923-1:2008)

EN ISO 4499-1:2010

Hardmetals — Metallographic determination of microstructure — Part 1: Photomicrographs and description (ISO 4499-1:2008)

EN ISO 4499-2:2010

Hardmetals — Metallographic determination of microstructure — Part 2: Measurement of WC grain size (ISO 4499-2:2008)

EN ISO 7625:2010

Sintered metal materials, excluding hardmetals – Preparation of samples for chemical analysis for determination of carbon content (ISO 7625:2006)

## 77.180 Oprema za metaluršku industriju

### Europska normizacija

EN 13675:2004+A1:2010

Safety of machinery – Safety requirements for tube forming and rolling mills and their finishing line equipment

EN 14681:2006+A1:2010

Safety of machinery – Safety requirements for machinery and equipment for production of steel by electric arc furnaces

## 79.040 Drvo, trupci i piljena građa

### Europska normizacija

EN 384:2010

Structural timber – Determination of characteristic values of mechanical properties and density

## 79.080 Drveni poluproizvodi

### Međunarodna normizacija (ISO)

ISO 15206:2010

Timber poles – Basic requirements and test methods

## 81.040.20 Građevno staklo

### Europska normizacija

EN 1279-5:2005+A2:2010

Glass in building – Insulating glass units – Part 5: Evaluation of conformity

## 81.080 Vatrostalna gradiva

### Međunarodna normizacija (ISO)

ISO 8894-1:2010

Refractory materials – Determination of thermal conductivity – Part 1: Hot-wire methods (cross-array and resistance thermometer)

### Europska normizacija

EN ISO 8894-1:2010

Refractory materials – Determination of thermal conductivity – Part 1: Hot-wire methods (cross-array and resistance thermometer) (ISO 8894-1:2010)

## 83.040.20 Sastojci gume

### Međunarodna normizacija (ISO)

ISO 28641:2010

Rubber compounding ingredients – Organic chemicals – General test methods

## 83.080.20 Termoplastična gradiva

### Međunarodna normizacija (ISO)

ISO 1628-3:2010

Plastics – Determination of the viscosity of polymers in dilute solution using capillary viscometers – Part 3: Polyethylenes and polypropylenes

### Europska normizacija

EN ISO 1628-3:2010

Plastics – Determination of the viscosity of polymers in dilute solution using capillary viscometers – Part 3: Polyethylenes and polypropylenes (ISO 1628-3:2010)

## 83.100 Porasta gradiva

### Međunarodna normizacija (ISO)

ISO 3386-1:1986/Amd 1:2010

Polymeric materials, cellular flexible – Determination of stress-strain characteristics in compression – Part 1: Low-density materials; Amendment 1

ISO 3386-2:1997/Amd 1:2010

Flexible cellular polymeric materials – Determination of stress-strain characteristics in compression – Part 2: High-density materials; Amendment 1

### Europska normizacija

EN ISO 3386-1:1997/A1:2010

Polymeric materials, cellular flexible – Determination of stress-strain characteristics in compression – Part 1: Low-density materials – Amendment 1 (ISO 3386-1:1986/Amd 1:2010)

EN ISO 3386-2:1998/A1:2010

Flexible cellular polymeric materials – Determination of stress-strain characteristics in compression – Part 2: High-density materials – Amendment 1 (ISO 3386-2:1997/Amd 1:2010)

## 83.160.10 Gume za cestovna vozila

### Međunarodna normizacija (ISO)

ISO 4000-1:2010

Passenger car tyres and rims – Part 1: Tyres (metric series)

## 83.160.30 Gume za poljoprivredne i druge strojeve

### Međunarodna normizacija (ISO)

ISO 11795:1997/Amd 1:2010

Agricultural tractor drive wheel tyres – Method of measuring tyre rolling circumference; Amendment 1

ISO 7867-2:2005/Amd 1:2010

Tyres and rims (metric series) for agricultural tractors and machines – Part 2: Service description and load ratings; Amendment 1

ISO 8664:2005/Amd 1:2010

Tyres for agricultural tractors and machines – Code-designated and service-description marked radial drive-wheel tyres; Amendment 1

## 85.060 Papir i karton

### Međunarodna normizacija (ISO)

ISO 3034:1975

Corrugated fibreboard – Determination of thickness

## 85.080.30 Karton

### Međunarodna normizacija (ISO)

ISO 11093-5:2009/Cor 1:2010

Paper and board – Testing of cores – Part 5: Determination of characteristics of concentric rotation

## 87.040 Boje i lakovi

### Međunarodna normizacija (ISO)

ISO 1513:2010

Paints and varnishes – Examination and preparation of test samples

### Europska normizacija

EN ISO 1513:2010

Paints and varnishes – Examination and preparation of test samples (ISO 1513:2010)

## 87.100 Oprema za premazivanje bojom

### Europska normizacija

EN 50223:2010

Stationary electrostatic application equipment for ignitable flock material – Safety requirements

## 91.010.01 Građevna industrija općenito

### Međunarodna normizacija (ISO)

ISO 29481-1:2010

Building information modelling – Information delivery manual – Part 1: Methodology and format

## 91.010.30 Tehnički aspekti

### Europska normizacija

EN 1991-1-4:2005/A1:2010

Eurocode 1: Actions on structures – Part 1-4: General actions – Wind actions

EN 1990:2002/A1:2005/AC:2010

Eurocode – Basis of structural design

## 91.060.40 Dimnjaci, okna, kanali

### Europska normizacija

EN 1857:2010

Chimneys – Components – Concrete flue liners

## 91.080.20 Drvene konstrukcije

### Međunarodna normizacija (ISO)

ISO 22389-1:2010

Timber structures – Bending strength of I-beams – Part 1: Testing, evaluation and characterization

## 91.100.10 Cement. Gips. Vapno. Žbuka

### Europska normizacija

EN ISO 10426-1:2009/AC:2010

Petroleum and natural gas industries – Cements and materials for well cementing – Part 1: Specification – Technical Corrigendum 1 (ISO 10426-1:2009/Cor 1:2010)

## 91.100.30 Beton i betonski proizvodi

### Europska normizacija

EN 206-9:2010

Concrete – Part 9: Additional Rules for Self-compacting Concrete (SCC)

## 91.100.50 Veziva. Brtvena gradiva

### Europska normizacija

EN 13111:2010

Flexible sheets for waterproofing – Underlays for discontinuous roofing and walls – Determination of resistance to water penetration

EN ISO 14224:2006

Petroleum, petrochemical and natural gas industries – Collection and exchange of reliability and maintenance data for equipment (ISO 14224:2006)

EN 16002:2010

Flexible sheets for waterproofing – Determination of the resistance to wind load of mechanically fastened flexible sheets for roof waterproofing

## 91.100.60 Gradiva za toplinsku i zvučnu izolaciju

### Međunarodna normizacija (ISO)

ISO 12344:2010

Thermal insulating products for building applications – Determination of bending behaviour

## 91.120.20 Akustika u zgradama. Zvučna izolacija

### Međunarodna normizacija (ISO)

ISO 10052:2004/Amd 1:2010

Acoustics – Field measurements of airborne and impact sound insulation and of service equipment sound – Survey method; Amendment 1

### Europska normizacija

EN ISO 10052:2004/A1:2010

Acoustics – Field measurements of airborne and impact sound insulation and of service equipment sound – Survey method – Amendment 1 (ISO 10052:2004/Amd 1:2010)

## 91.140.01 Instalacije u zgradama općenito

### Međunarodna normizacija (ISO)

ISO 10052:2004/Amd 1:2010

Acoustics – Field measurements of airborne and impact sound insulation and of service equipment sound – Survey method; Amendment 1

### Europska normizacija

EN ISO 10052:2004/A1:2010

Acoustics – Field measurements of airborne and impact sound insulation and of service equipment sound – Survey method – Amendment 1 (ISO 10052:2004/Amd 1:2010)

## 91.140.30 Sustavi prozračivanja i klimatizacije

### Europska normizacija

EN 15650:2010

Ventilation for buildings – Fire dampers

## 91.140.50 Sustavi opskrbe strujom

### Međunarodna normizacija (IEC)

IEC 60364-4-42:2010

Low-voltage electrical installations – Part 4-42: Protection for safety – Protection against thermal effects

IEC 60364-4-44/Corr.1:2010

Corrigendum 1 – Low-voltage electrical installations – Part 4-44: Protection for safety – Protection against voltage disturbances and electromagnetic disturbances

IEC 60364-7-702:2010

Low-voltage electrical installations – Part 7-702: Requirements for special installations or locations – Swimming pools and fountains

## 91.140.60 Sustavi opskrbe vodom

### Međunarodna normizacija (IEC)

IEC 60335-2-109:2010

Household and similar electrical appliances – Safety – Part 2-109: Particular requirements for UV radiation water treatment appliances

## 91.140.80 Odvodni sustavi

### Međunarodna normizacija (ISO)

ISO 13255:2010

Thermoplastics piping systems for soil and waste discharge inside buildings – Test method for airtightness of joints

## 91.140.90 Dizala. Pokretne stube

### Međunarodna normizacija (ISO)

ISO/TR 25743:2010

Lifts (elevators) – Study of the use of lifts for evacuation during an emergency

ISO 4190-1:2010

Lift (Elevator) installation – Part 1: Class I, II, III and VI lifts

### Europska normizacija

EN 81-31:2010

Safety rules for the construction and installation of lifts – Lifts for the transport of goods only – Part 31: Accessible goods only lifts

## 91.190 Građevni pribor

### Europska normizacija

EN 1906:2010

Building hardware – Lever handles and knob furniture – Requirements and test methods

## 93.030 Vanjska kanalizacija

### Međunarodna normizacija (ISO)

ISO 13263:2010

Thermoplastics piping systems for non-pressure underground drainage and sewerage – Thermoplastics fittings – Test method for impact strength

## 93.080.10 Tehnika gradnje cesta

### Europska normizacija

EN 13020:2004+A1:2010

Road surface treatment machines – Safety requirements

## 93.080.20 Sredstva za cestogradnju

### Međunarodna normizacija (ISO)

ISO 13472-2:2010

Acoustics – Measurement of sound absorption properties of road surfaces in situ – Part 2: Spot method for reflective surfaces

### Europska normizacija

EN 14023:2010

Bitumen and bituminous binders – Specification framework for polymer modified bitumens

## 93.100 Gradnja željezničkih pruga

### Europska normizacija

EN 13848-5:2008+A1:2010

Railway applications – Track – Track geometry quality – Part 5: Geometric quality levels – Plain line

EN 15746-1:2010

Railway applications – Track – Road-rail machines and associated equipment – Part 1: Technical requirements for running and working

EN 15746-2:2010

Railway applications – Track – Road-rail machines and associated equipment – Part 2: General safety requirements

## 97.020 Kućno gospodarstvo općenito

### Europska normizacija

CLC/TR 50417:2010

Safety of household and similar electrical appliances – Interpretations related to European Standards in the EN 60335 series

## 97.030 Kućanska električna oprema općenito

### Međunarodna normizacija (IEC)

IEC 60335-1:2010

Household and similar electrical appliances – Safety – Part 1: General requirements

## 97.040.20 Štednjaci, radni stolovi, pećnice i slični uređaji

### Međunarodna normizacija (IEC)

IEC 60705:2010

Household microwave ovens – Methods for measuring performance

## 97.060 Praonički uređaji

### Međunarodna normizacija (IEC)

IEC/TR 62617:2010

Home laundry appliances – Uncertainty reporting of measurements

### Europska normizacija

EN 60335-2-11:2010

Household and similar electrical appliances – Safety – Part 2-11: Particular requirements for tumble dryers (IEC 60335-2-11:2008, modified)

## 97.120 Automatsko upravljanje za kućansku uporabu

### Međunarodna normizacija (ISO)

ISO/IEC TR 29107-1:2010

Information technology – Intelligent homes – Taxonomy of specifications – Part 1: Taxonomy method

### Europska normizacija

CLC/TR 50552:2010

Home and Building Electronic Systems (HBES) – Open communication system – Interfaces – Medium interface, twisted pair, class 1

## 97.140 Namještaj

### Europska normizacija

CEN/TR 16015:2010

Hardware for furniture – Terms for locking mechanisms

## 97.145 Ljestve

### Europska normizacija

EN 50528:2010

Insulating ladders for use on or near low voltage electrical installations



## **97.150 Netekstilni podni prekrivači**

### **Međunarodna normizacija (ISO)**

ISO 10580:2010  
Resilient, textile and laminate floor coverings – Test method for volatile organic compound (VOC) emissions

### **Europska normizacija**

EN 14085:2008  
Resilient floor coverings – Specification for floor panels for loose laying

## **97.200.30 Oprema za logore i logorišta**

### **Europska normizacija**

EN 15619:2008+A1:2010  
Rubber or plastic coated fabrics – Safety of temporary structures (tents) – Specification for coated fabrics intended for tents and related structures

## **97.200.50 Igračke**

### **Međunarodna normizacija (ISO)**

ISO 8124-4:2010  
Safety of toys – Part 4: Swings, slides and similar activity toys for indoor and outdoor family domestic use

### **Europska normizacija**

EN 62115:2005/IS1:2010  
Electric toys – Safety – Interpretation of Clause 18 of EN 62115:2005

## **97.220.10 Športski objekti**

### **Međunarodna normizacija (IEC)**

IEC 60364-7-702:2010  
Low-voltage electrical installations – Part 7-702: Requirements for special installations or locations – Swimming pools and fountains

## **97.220.30 Oprema za športske dvorane**

### **Europska normizacija**

EN 957-4:2006+A1:2010  
Stationary training equipment – Part 4: Strength training benches, additional specific safety requirements and test methods