

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

**6/2010** prosinac, 2010.

Oglasnik za normativne dokumente Hrvatskog zavoda za norme sadrži popise hrvatskih norma, nacрта 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.

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

HRN EN 1515-4:2010 en pr  
Flanges and their joints – Bolting – Part 4: Selection of bolting for equipment subject to the Pressure Equipment Directive 97/23/EC (EN 1515-4:2009)

### HZN/TO 8, *Brodogradnja*

HRN EN 1493:2010 en pr  
Dizala za vozila (EN 1493:2010)  
Vehicle lifts (EN 1493:2010)

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

HRN EN ISO 10088:2010 en pr  
Mala plovila – Trajno ugrađeni sustavi goriva (ISO 10088:2009; EN ISO 10088:2009)  
Small craft – Permanently installed fuel systems (ISO 10088:2009; EN ISO 10088:2009)

HRN EN ISO 12217-1:2003/A1:2010 en pr  
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 12217-1:2002/A1:2009)  
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; EN ISO 12217-1:2002/A1:2009)

HRN EN ISO 12217-3:2004/A1:2010 en pr  
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 ISO 12217-3:2002/A1:2009)  
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; EN ISO 12217-3:2002/A1:2009)

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

HRN EN 15869-2:2010 en pr  
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 15869-2:2010)

Inland navigation vessels – Electrical shore connection, three phase current 400 V, up to 63 A, 50 Hz – Part 2: Onshore unit, safety requirements (EN 15869-2:2010)

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

### HZN/TO 22, *Cestovna vozila*

HRN ISO 3779:2010 en pr  
Cestovna vozila – Identifikacijska oznaka vozila (VIN) – Sadržaj i struktura (ISO 3779:2009)  
Road vehicles – Vehicle identification number (VIN) – Content and structure (ISO 3779:2009)

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

HRN EN ISO 4404-2:2010 en pr  
Nafta i srodni proizvodi – Određivanje korozivne otpornosti vatrootpornih hidrauličnih tekućina – 2. dio: Bezvodne tekućine (ISO 4404-2:2010; EN ISO 4404-2:2010)  
Petroleum and related products – Determination of the corrosion resistance of fire-resistant hydraulic fluids – Part 2: Non-aqueous fluids (ISO 4404-2:2010; EN ISO 4404-2:2010)

HRN EN 15938:2010 en pr  
Goriva za motorna vozila – Etanol kao komponenta za namješavanje i etanol (E85) kao gorivo za motorna vozila – Određivanje električne vodljivosti (EN 15938:2010)  
Automotive fuels – Ethanol blending component and ethanol (E85) automotive fuel – Determination of electrical conductivity (EN 15938:2010)

HRN EN 15944:2010 en pr  
Tekući naftni proizvodi – Određivanje sadržaja nikla i vanadija – Metoda optičke emisijske spektrometrije s induktivno spregnutom plazmom (ICP OES) (EN 15944:2010)  
Liquid petroleum products – Determination of nickel and vanadium content – Inductively coupled plasma optical emission spectrometry method (ICP OES) (EN 15944:2010)

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

HRN BAS 1049:2010 bs pr  
Halal hrana – Zahtjevi i mjere (BAS 1049:2010)  
Halal food – Requirements and measures (BAS 1049:2010)

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

HRN EN ISO 276:2010 en pr  
Binders for paints and varnishes – Linseed stand oil – Requirements and methods of test (ISO 276:2002; EN ISO 276:2010)

HRN EN ISO 277:2010 en pr  
Binders for paints and varnishes – Raw tung oil – Requirements and methods of test (ISO 277:2002; EN ISO 277:2010)

HRN EN ISO 4619:2010 en pr  
Driers for paints and varnishes (ISO 4619:1998; EN ISO 4619:2010)

- HRN EN ISO 8130-1:2010 en pr  
Coating powders – Part 1: Determination of particle size distribution by sieving (ISO 8130-1:1992; EN ISO 8130-1:2010)
- HRN EN ISO 8130-2:2010 en pr  
Coating powders – Part 2: Determination of density by gas comparison pycnometer (referee method) (ISO 8130-2:1992; EN ISO 8130-2:2010)
- HRN EN ISO 8130-3:2010 en pr  
Coating powders – Part 3: Determination of density by liquid displacement pycnometer (ISO 8130-3:1992; EN ISO 8130-3:2010)
- HRN EN ISO 8130-4:2010 en pr  
Coating powders – Part 4: Calculation of lower explosion limit (ISO 8130-4:1992+Cor 1:1993; EN ISO 8130-4:2010)
- HRN EN ISO 8130-5:2010 en pr  
Coating powders – Part 5: Determination of flow properties of a powder/air mixture (ISO 8130-5:1992; EN ISO 8130-5:2010)
- HRN EN ISO 8130-6:2010 en pr  
Coating Powders – Part 6: Determination of gel time of thermosetting coating powders at a given temperature (ISO 8130-6:1992+Amd 1:1998; EN ISO 8130-6:2010)
- HRN EN ISO 8130-7:2010 en pr  
Coating powders – Part 7: Determination of loss of mass on stoving (ISO 8130-7:1992; EN ISO 8130-7:2010)
- HRN EN ISO 8130-8:2010 en pr  
Coating powders – Part 8: Assessment of the storage stability of thermosetting powders (ISO 8130-8:1994; EN ISO 8130-8:2010)
- HRN EN ISO 8130-10:2010 en pr  
Coating powders – Part 10: Determination of deposition efficiency (ISO 8130-10:1998; EN ISO 8130-10:2010)
- HRN EN ISO 8130-11:2010 en pr  
Coating powders – Part 11: Inclined-plane flow test (ISO 8130-11:1997; EN ISO 8130-11:2010)
- HRN EN ISO 8130-12:2010 en pr  
Coating powders – Part 12: Determination of compatibility (ISO 8130-12:1998; EN ISO 8130-12:2010)
- HRN EN ISO 8130-13:2010 en pr  
Coating powders – Part 13: Particle size analysis by laser diffraction (ISO 8130-13:2001; EN ISO 8130-13:2010)
- HRN EN ISO 8623:2010 en pr  
Tall-oil fatty acids for paints and varnishes – Specifications and test methods (ISO 8623:1997; EN ISO 8623:2010)
- HRN EN ISO 14446:2010 en pr  
Binders for paints and varnishes – Determination of the viscosity of industrial cellulose nitrate solutions and classification of such solutions (ISO 14446:1999; EN ISO 14446:2010)
- HRN EN ISO 15234:2010 en pr  
Paints and varnishes – Testing of formaldehyde-emitting coatings and melamine foams – Determination of the steady-state concentration of formaldehyde in a small test chamber (ISO 15234:1999; EN ISO 15234:2010)
- HRN ISO 639-1:2010 en pr  
Kodovi za prikaz naziva jezika – 1. dio: Kôd alfa-2 (ISO 639-1:2002)  
Codes for the representation of names of languages – Part 1: Alpha-2 code (ISO 639-1:2002)
- HRN ISO 639-2:2010 en pr  
Kodovi za prikaz naziva jezika – 2. dio: Kôd alfa-3 (ISO 639-2:1998)  
Codes for the representation of names of languages – Part 2: Alpha-3 code (ISO 639-2:1998)
- HRN ISO 639-3:2010 en pr  
Kodovi za prikaz naziva jezika – 3. dio: Kôd alfa-3 za opsežni obuhvat jezika (ISO 639-3:2007)  
Codes for the representation of names of languages – Part 3: Alpha-3 code for comprehensive coverage of languages (ISO 639-3:2007)
- HRN ISO 639-4:2010 en pr  
Kodovi za prikaz naziva jezika – 4. dio: Opća načela kodiranja prikaza naziva jezika i srodnih objekata uz smjernice za primjenu (ISO 639-4:2010)  
Codes for the representation of names of languages – Part 4: General principles of coding of the representation of names of languages and related entities, and application guidelines (ISO 639-4:2010)
- HRN ISO 639-5:2010 en pr  
Kodovi za prikaz naziva jezika – 5. dio: Kôd alfa-3 za porodice i skupine jezika (ISO 639-5:2008)  
Codes for the representation of names of languages – Part 5: Alpha-3 code for language families and groups (ISO 639-5:2008)
- HRN ISO 639-6:2010 en pr  
Kodovi za prikaz naziva jezika – 6. dio: Kôd alfa-4 za opsežni obuhvat jezičnih varijanti (ISO 639-6:2009)  
Codes for the representation of names of languages – Part 6: Alpha-4 code for comprehensive coverage of language variants (ISO 639-6:2009)
- HRN ISO 704:2010 en pr  
Terminološki rad – Načela i metode (ISO 704:2009)  
Terminology work – Principles and methods (ISO 704:2009)
- HRN ISO 860:2010 en pr  
Terminološki rad – Usklađivanje pojmova i naziva (ISO 860:2007)  
Terminology work – Harmonization of concepts and terms (ISO 860:2007)
- HRN ISO 1087-1:2010 en pr  
Terminološki rad – Terminološki rječnik – 1. dio: Teorija i primjena (ISO 1087-1:2000)  
Terminology work – Vocabulary – Part 1: Theory and application (ISO 1087-1:2000)
- HRN ISO 1087-2:2010 en pr  
Terminološki rad – Terminološki rječnik – 2. dio: Primjena računala (ISO 1087-2:2000)  
Terminology work – Vocabulary – Part 2: Computer applications (ISO 1087-2:2000)
- HRN ISO 1951:2010 en pr  
Leksikografski simboli i tipografske konvencije za uporabu u terminografiji (ISO 1951:2007)  
Lexicographical symbols and typographical conventions for use in terminography (ISO 1951:2007)
- HRN ISO 10241:2010 en pr  
Međunarodne terminološke norme – Priprema i strukturni razmještaj (ISO 10241:1992)  
International terminology standards – Preparation and layout (ISO 10241:1992)
- HRN ISO 12199:2010 en pr  
Abecedni redoslijed višejezičnih terminoloških i leksikografskih podataka prikazanih latiničnom abecedom (ISO 12199:2000)  
Alphabetical ordering of multilingual terminological and lexicographical data represented in the Latin alphabet (ISO 12199:2000)
- HRN ISO 12200:2010 en pr  
Primjena računala u terminologiji – Format za strojno čitljivu razmjenu nazivlja (MARTIF) – Dogovorena razmjena (ISO 12200:1999)  
Computer applications in terminology – Machine-readable terminology interchange format (MARTIF) – Negotiated interchange (ISO 12200:1999)

## HZN/TO 37, Terminologija

- HRN ISO 12615:2010 en pr  
Bibliografske referencije i identifikatori izvora za terminološki rad (ISO 12615:2004)  
Bibliographic references and source identifiers for terminology work (ISO 12615:2004)
- HRN ISO 12616:2010 en pr  
Terminografija usmjerena na prevodenje (ISO 12616:2002)  
Translation-oriented terminography (ISO 12616:2002)
- HRN ISO 12620:2010 en pr  
Terminologija i drugi jezični i sadržajni izvori – Specifikacija kategorija podataka i upravljanje registrom kategorija podataka za jezične izvore (ISO 12620:2009)  
Terminology and other language and content resources – Specification of data categories and management of a Data Category Registry for language resources (ISO 12620:2009)
- HRN ISO 15188:2010 en pr  
Smjernice za upravljanje projektom pri normizaciji terminologije (ISO 15188:2001)  
Project management guidelines for terminology standardization (ISO 15188:2001)
- HRN ISO 16642:2010 en pr  
Primjena računala u terminologiji – Okvir za terminološko obilježavanje (ISO 16642:2003)  
Computer applications in terminology – Terminological markup framework (ISO 16642:2003)
- HRN ISO 22128:2010 en pr  
Terminološki proizvodi i usluge – Pregled i upute (ISO 22128:2008)  
Terminology products and services – Overview and guidance (ISO 22128:2008)
- HRI ISO/TR 22134:2010 en pr  
Praktične smjernice za socioterminologiju (ISO/TR 22134:2007)  
Practical guidelines for socioterminology (ISO/TR 22134:2007)
- HRN ISO 23185:2010 en pr  
Procjena i sustavno uspoređivanje terminoloških izvora – Opći pojmovi, načela i zahtjevi (ISO 23185:2009)  
Assessment and benchmarking of terminological resources – General concepts, principles and requirements (ISO 23185:2009)
- HRI ISO/TR 24156:2010 en pr  
Smjernice za upotrebu oznaka UML-a u terminološkom radu (ISO/TR 24156:2008)  
Guidelines for using UML notation in terminology work (ISO/TR 24156:2008)
- HRN ISO 24610-1:2010 en pr  
Upravljanje jezičnom građom – Strukture obilježja – 1. dio: Prikaz strukture obilježja (ISO 24610-1:2006)  
Language resource management – Feature structures – Part 1: Feature structure representation (ISO 24610-1:2006)
- HRN ISO 24613:2010 en pr  
Upravljanje jezičnom građom – Okvir leksičkog obilježavanja (ISO 24613:2008)  
Language resource management – Lexical markup framework (LMF) (ISO 24613:2008)
- HRN ISO 29383:2010 en pr  
Terminološke politike – Razvoj i primjena (ISO 29383:2010)  
Terminology policies – Development and implementation (ISO 29383:2010)
- HRN ISO 30042:2010 en pr  
Sustavi upravljanja terminologijom, znanjem i sadržajem – TermBase eXchange (TBX) (ISO 30042:2008)  
Systems to manage terminology, knowledge and content – TermBase eXchange (TBX) (ISO 30042:2008)

## HZN/TO 43, *Akustika*

- HRN EN ISO 8253-1:2010 en pr  
Akustika – Audiometrijske metode ispitivanja – 1. dio: Audiometrija s čistim tonom zračne i koštane vodljivosti (ISO 8253-1:2010; EN ISO 8253-1:2010)  
Acoustics – Audiometric test methods – Part 1: Pure-tone air and bone conduction audiometry (ISO 8253-1:2010; EN ISO 8253-1:2010)

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

- HRN EN ISO 7291:2010 en pr  
Oprema za plinsko zavarivanje – Regulatori tlaka za razdjelne sustave koji se upotrebljavaju pri zavarivanju, rezanju i srodnim postupcima do tlaka 30 MPa (300 bar) (ISO 7291:2010; EN ISO 7291:2010)  
Gas welding equipment – Pressure regulators for manifold systems used in welding, cutting and allied processes up to 30 MPa (300 bar) (ISO 7291:2010; EN ISO 7291:2010)
- HRN EN ISO 14171:2010 en pr  
Dodatni i potrošni materijali za zavarivanje – Elektrode od pune žice, žice punjene praškom i kombinacije žica/prašak za elektrolučno zavarivanje pod praškom nelegiranih čelika i sitnozrnatih čelika – Razredba (ISO 14171:2010; EN ISO 14171:2010)  
Welding consumables – Solid wire electrodes, tubular cored electrodes and electrode/flux combinations for submerged arc welding of non alloy and fine grain steels – Classification (ISO 14171:2010; EN ISO 14171:2010)
- HRN EN ISO 14921:2010 en pr  
Toplinsko naštrcavanje – Postupci za primjenu toplinsko naštrcanih prevlaka za strojarske komponente (ISO 14921:2010; EN ISO 14921:2010)  
Thermal spraying – Procedures for the application of thermally sprayed coatings for engineering components (ISO 14921:2010; EN ISO 14921:2010)
- HRN EN ISO 17633:2010 en pr  
Dodatni i potrošni materijali za zavarivanje – Žice punjene praškom i šipke za elektrolučno zavarivanje sa zaštitom plina i bez zaštite plina za nehrđajuće čelike i čelike otporne na visoke temperature – Razredba (ISO 17633:2010; EN ISO 17633:2010)  
Welding consumables – Tubular cored electrodes and rods for gas shielded and non-gas shielded metal arc welding of stainless and heat-resisting steels – Classification (ISO 17633:2010; EN ISO 17633:2010)
- HRN EN ISO 24034:2010 en pr  
Dodatni i potrošni materijali za zavarivanje – Elektrode od pune žice, pune žice i šipke za zavarivanje taljenjem titana i titanovih legura – Razredba (ISO 24034:2010; EN ISO 24034:2010)  
Welding consumables – Solid wire electrodes, solid wires and rods for fusion welding of titanium and titanium alloys – Classification (ISO 24034:2010; EN ISO 24034:2010)

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

- HRN EN 378-1:2010 en pr  
Rashladni sustavi i dizalice topline – Zahtjevi s obzirom na okoliš i sigurnost – 1. dio: Osnovni zahtjevi, definicije, razredba i kriteriji odabira (EN 378-1:2008+A1:2010)  
Refrigerating systems and heat pumps – Safety and environmental requirements – Part 1: Basic requirements, definitions, classification and selection criteria (EN 378-1:2008+A1:2010)
- HRN EN 13313:2010 en pr  
Rashladni sustavi i dizalice topline – Osposobljenost osoblja (EN 13313:2010)  
Refrigerating systems and heat pumps – Competence of personnel (EN 13313:2010)



## **HZN/TO 92, *Zaštita od požara***

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

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

- HRS CEN/TS 15883:2010 en pr  
Uređaji na kruta goriva za kućanstvo—Metode ispitivanja emisije (CEN/TS 15883:2009)  
Residential solid fuel burning appliances—Emission test methods (CEN/TS 15883:2009)

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

- HRN EN ISO 7396-1:2008/A1:2010 en pr  
Cjevovodni sustavi za medicinske plinove—1. dio: Cjevovodni sustavi za komprimirane medicinske plinove i vakuum—Amandman 1: Zahtjevi za utičnice za vakuum spojen na uređaj za napajanje s mogućnošću prilagodbe i spojen na cjevovod s fleksibilnom cijevi (ISO 7396-1:2007/Amd 1:2010; EN ISO 7396-1:2007/A1:2010)  
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/A1:2010)
- HRN EN ISO 7396-1:2008/A2:2010 en pr  
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 7396-1:2007/A2:2010)  
Medical gas pipeline systems—Part 1: Pipeline systems for compressed medical gases and vacuum—Amendment 2 (ISO 7396-1:2007/Amd 2:2010; EN ISO 7396-1:2007/A2:2010)
- HRN EN ISO 8835-3:2010/A1:2010 en pr  
Inhalacijski anestetički sustavi—3. dio: Sustavi provođenja i aktivnog odstranjivanja anestetičkih plinova (ISO 8835-3:2007/Amd 1:2010; EN ISO 8835-3:2009/A1:2010)  
Inhalational anaesthesia systems—Part 3: Transfer and receiving systems of active anaesthetic gas scavenging systems (ISO 8835-3:2007/Amd 1:2010; EN ISO 8835-3:2009/A1:2010)

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

- HRN ISO 2965:2010 en pr  
Materijali koji se upotrebljavaju kao cigaretni papir, ovojni papir za filter i papir za usni dio cigarete, uključujući i materijale koji imaju odijeljenu ili usmjerenu propusnu zonu i materijali s područjima različite propusnosti—Određivanje propusnosti zraka (ISO 2965:2009)  
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 (ISO 2965:2009)
- HRN ISO 3308:2004/A1:2010 en pr  
Rutinski analitički stroj za pušenje cigareta—Definicije i normirani uvjeti (ISO 3308:2000/Amd 1:2009)  
Routine analytical cigarette-smoking machine—Definitions and standard conditions (ISO 3308:2000/Amd 1:2009)

- HRN ISO 3400:1998/A1:2010 en pr  
Cigarete—Određivanje alkaloida u dimnom kondenzatu—Spektrometrijska metoda (ISO 3400:1997/Amd 1:2008)  
Cigarettes—Determination of alkaloids in smoke condensates—Spectrometric method (ISO 3400:1997/Amd 1:2008)
- HRN ISO 4387:2004/A1:2010 en pr  
Cigarete—Određivanje ukupnog i suhog dimnog kondenzata bez nikotina (katrana) uporabom rutinskog analitičkog stroja za pušenje (ISO 4387:2000/Amd 1:2008)  
Cigarettes—Determination of total and nicotine-free dry particulate matter using a routine analytical smoking machine (ISO 4387:2000/Amd 1:2008)
- HRS ISO/TS 7821:2010 en pr  
Duhan i duhanski proizvodi—Priprema i sastavljanje identičnih uzoraka iz jednog lota za međulaboratorijska ispitivanja za vrednovanje metoda ispitivanja (ISO/TS 7821:2005)  
Tobacco and tobacco products—Preparation and constitution of identical samples from the same lot for collaborative studies for the evaluation of test methods (ISO/TS 7821:2005)
- HRN ISO 8243:2010 en pr  
Cigarete—Uzorkovanje (ISO 8243:2006)  
Cigarettes—Sampling (ISO 8243:2006)
- HRN ISO 8454:2010 en pr  
Cigarete—Određivanje ugljikovog monoksida u parnoj fazi dima cigarete—NDIR metoda (ISO 8454:2007+Amd 1:2009)  
Cigarettes—Determination of carbon monoxide in the vapour phase of cigarette smoke—NDIR method (ISO 8454:2007+Amd 1:2009)
- HRN ISO 10185:2010 en pr  
Duhan i duhanski proizvodi—Rječnik (ISO 10185:2004)  
Tobacco and tobacco products—Vocabulary (ISO 10185:2004)
- HRN ISO 15592-3:2010 en pr  
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 (ISO 15592-3:2008)  
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 (ISO 15592-3:2008)
- HRN EN 16156:2010 en pr  
Cigarettes—Assessment of the ignition propensity—Safety requirement (EN 16156:2010)
- HRN ISO 20369:2010 en pr  
Materijali koji se upotrebljavaju za proizvodnju ovojnog papira za cigaretno filtere, cigarete i druge duhanske proizvode—Određivanje udjela citrata (ISO 20369:2009)  
Material used for producing wrappings for cigarette filters, cigarettes and other tobacco products—Determination of citrate content (ISO 20369:2009)
- HRN ISO 20370:2010 en pr  
Materijali koji se upotrebljavaju za proizvodnju ovojnog papira za cigaretno filtere, cigarete i druge duhanske proizvode—Određivanje udjela acetata (ISO 20370:2009)  
Material used for producing wrappings for cigarette filters, cigarettes and other tobacco products—Determination of acetate content (ISO 20370:2009)

- HRN ISO 22303:2010 en pr  
Duhan – Određivanje nitrozamina specifičnih za duhan – Metoda ekstrakcije puferom (ISO 22303:2008)  
Tobacco – Determination of tobacco specific nitrosamines – Method using buffer extraction (ISO 22303:2008)
- HRS ISO/TS 22304:2010 en pr  
Duhan – Određivanje nitrozamina specifičnih za duhan – Metoda ekstrakcije diklormetanom (ISO/TS 22304:2008)  
Tobacco – Determination of tobacco specific nitrosamines – Method using alkaline dichloromethane extraction (ISO/TS 22304:2008)
- HRI ISO/TR 22305:2010 en pr  
Cigarete – Mjerenje suhog dimnog kondenzata bez nikotina, nikotina, vode i ugljičnog monoksida u cigaretnom dimu – Analiza podataka međulaboratorijskog ispitivanja odnosa između ponovljivosti, obnovljivosti i odstupanja (ISO/TR 22305:2006)  
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 (ISO/TR 22305:2006)
- HRN ISO 22634:2010 en pr  
Cigarete – Određivanje benzo[a]pirena u glavnoj struji dima – Metoda upotrebom plinske kromatografije/masene spektrometrije (ISO 22634:2008)  
Cigarettes – Determination of benzo(a)pyrene in cigarette mainstream smoke – Method using gas chromatography/mass spectrometry (ISO 22634:2008)

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

- HRN EN ISO 15549:2010 en pr  
Nerazorno ispitivanje – Ispitivanje vrtložnim strujama – Opća načela (ISO 15549:2008; EN ISO 15549:2010)  
Non-destructive testing – Eddy current testing – General principles (ISO 15549:2008; EN ISO 15549:2010)

### **HZN/TO 136, Namještaj**

- HRN EN 15828:2010 en pr  
Okov za namještaj – Čvrstoća i izdržljivost zglobnica i njihovih dijelova – Držači ili podupirači i zglobnice s horizontalnim osima okretanja (EN 15828:2010)  
Hardware for furniture – Strength and durability of hinges and their components – Stays and hinges pivoting on a horizontal axis (EN 15828:2010)

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

- HRI CEN/TR 852:2010 en pr  
Plastični cijevni sustavi za transport vode namijenjene za ljudsku uporabu – Procjena migracije – Upute za tumačenje laboratorijski izvedenih vrijednosti migracija (CEN/TR 852:2010)  
Plastics piping systems for the transport of water intended for human consumption – Migration assessment – Guidance on the interpretation of laboratory derived migration values (CEN/TR 852:2010)
- HRN EN 1447:2010 en pr  
Plastični cijevni sustavi – Staklom ojačane duromerne (GRP) cijevi – Određivanje dugotrajne otpornosti na unutrašnji tlak (EN 1447:2009+A1:2010)  
Plastics piping systems – Glass-reinforced thermosetting plastics (GRP) pipes – Determination of long-term resistance to internal pressure (EN 1447:2009+A1:2010)

- HRN EN 1555-1:2010 en pr  
Plastični cijevni sustavi za opskrbu plinovitim gorivima – Polietilen (PE) – 1. dio: Općenito (EN 1555-1:2010)  
Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 1: General (EN 1555-1:2010)
- HRN EN 1555-2:2010 en pr  
Plastični cijevni sustavi za opskrbu plinovitim gorivima – Polietilen (PE) – 2. dio: Cijevi (EN 1555-2:2010)  
Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 2: Pipes (EN 1555-2:2010)
- HRN EN 1555-3:2010 en pr  
Plastični cijevni sustavi za opskrbu plinovitim gorivima – Polietilen (PE) – 3. dio: Spojnice (EN 1555-3:2010)  
Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 3: Fittings (EN 1555-3:2010)
- HRN EN 1555-5:2010 en pr  
Plastični cijevni sustavi za opskrbu plinovitim gorivima – Polietilen (PE) – 5. dio: Prikladnost sustava za uporabu (EN 1555-5:2010)  
Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 5: Fitness for purpose of the system (EN 1555-5:2010)
- HRN EN ISO 11295:2010 en pr  
Razredba i obavijesti o oblikovanju plastičnih cijevnih sustava namijenjenih za obnavljanje (ISO 11295:2010; EN ISO 11295:2010)  
Classification and information on design of plastics piping systems used for renovation (ISO 11295:2010; EN ISO 11295:2010)
- HRN EN 13598-1:2010 en pr  
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i kanalizaciju – Neomekšani poli(vinil-klorid) (PVC-U), polipropilen (PP) i polietilen (PE) – 1. dio: Specifikacije za pomoćne spojnice uključujući litke kontrolne komore (EN 13598-1:2010)  
Plastics piping systems for non-pressure underground drainage and sewerage – Unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 1: Specifications for ancillary fittings including shallow inspection chambers (EN 13598-1:2010)
- HRI CEN/TR 15729:2010 en pr  
Plastični cijevni sustavi – Staklom ojačani duromeri (GRP) na osnovi nezasićenih poliesterskih smola (UP) – Izvešće o određivanju prosječnog trošenja nakon određenog broja ispitnih ciklusa (CEN/TR 15729:2010)  
Plastics piping systems – Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) – Report on the determination of mean abrasion after a defined number of test cycles (CEN/TR 15729:2010)

- HRN EN 16000:2010 en pr  
Plastični cijevni sustavi – Sustavi unutar građevinskih konstrukcija – Ugradnja i pričvršćivanje sastavnica u ispitnom uređaju za toplinsko razaranje pojedinačnim izgaranjem predmeta (EN 16000:2010)  
Plastics piping systems – Systems within the building structure – Mounting and fixing of components in the test apparatus to thermal attack by a single burning item (EN 16000:2010)

### **HZN/TO 146, Kvaliteta zraka**

- HRN EN 1911:2010 en pr  
Emisije iz stacionarnih izvora – Određivanje masene koncentracije plinovitih klorida izraženih kao HCl – Standardna referentna metoda (EN 1911:2010)  
Stationary source emissions – Determination of mass concentration of gaseous chlorides expressed as HCl – Standard reference method (EN 1911:2010)

HRN EN 1948-4:2010 en pr  
Emisije iz stacionarnih izvora – Određivanje masene koncentracije PCDD/PCDF i PCB-a sličnih dioksinu – 4. dio: Uzorkovanje i analiza PCB-a sličnih dioksinu (EN 1948-4:2010)  
Stationary source emissions – Determination of the mass concentration of PCDDs/PCDFs and dioxin-like PCBs – Part 4: Sampling and analysis of dioxin-like PCBs (EN 1948-4:2010)

HRN EN ISO 11771:2010 en pr  
Kvaliteta zraka – Određivanje masenih emisija usrednjenih po vremenu i emisijskih faktora – Opći pristup (ISO 11771:2010; EN ISO 11771:2010)  
Air quality – Determination of time-averaged mass emissions and emission factors – General approach (ISO 11771:2010; EN ISO 11771:2010)

HRN EN 15483:2010 en pr  
Kvaliteta vanjskog zraka – Atmosferska mjerenja blizu tla uporabom FTIR spektroskopije (EN 15483:2008)  
Ambient air quality – Atmospheric measurements near ground with FTIR spectroscopy (EN 15483:2008)

HRN EN 15859:2010 en pr  
Kvaliteta zraka – Certificiranje automatskih monitora na uređajima za uklanjanje prašine iz stacionarnih izvora – Izvedbeni kriteriji i postupci ispitivanja (EN 15859:2010)  
Air Quality – Certification of automated dust arrestment plant monitors for use on stationary sources – Performance criteria and test procedures (EN 15859:2010)

HRN EN ISO 23210:2010 en pr  
Emisije iz stacionarnih izvora – Određivanje masene koncentracije PM10/PM2,5 u otpadnom plinu – Mjerenje niskih koncentracija uporabom impaktora (ISO 23210:2009; EN ISO 23210:2009)  
Stationary source emissions – Determination of PM10/PM2,5 mass concentration in flue gas – Measurement at low concentrations by use of impactors (ISO 23210:2009; EN ISO 23210:2009)

HRN EN ISO 25140:2010 en pr  
Emisije iz stacionarnih izvora – Automatska metoda za određivanje koncentracije metana uporabom plamene ionizacijske detekcije (FID) (ISO 25140:2010; EN ISO 25140:2010)  
Stationary source emissions – Automatic method for the determination of the methane concentration using flame ionisation detection (FID) (ISO 25140:2010; EN ISO 25140:2010)

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

HRN EN ISO 23913:2010 en pr  
Kvaliteta vode – Određivanje kroma (VI) – Metoda protočne analize (FIA i CFA) i spektrometrijska detekcija (ISO 23913:2006; EN ISO 23913:2009)  
Water quality – Determination of chromium(VI) – Method using flow analysis (FIA and CFA) and spectrometric detection (ISO 23913:2006; EN ISO 23913:2009)

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

HRN EN 15708:2010 en pr  
Kvaliteta vode – Savjetodavna norma za ispitivanje, uzorkovanje i laboratorijsku analizu fitobentosa u plitkim tekućicama (EN 15708:2009)  
Water quality – Guidance standard for the surveying, sampling and laboratory analysis of phytobenthos in shallow running water (EN 15708:2009)

HRN EN 15843:2010 en pr  
Kvaliteta vode – Savjetodavna norma za određivanje stupnja modifikacije riječne hidromorfologije (EN 15843:2010)  
Water quality – Guidance standard on determining the degree of modification of river hydromorphology (EN 15843:2010)

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

HRN EN ISO 9241-210:2010 en pr  
Ergonomija međudjelovanja čovjek-sustav – 210. dio: Dizajn interaktivnih sustava prilagođenih ljudima (ISO 9241-210:2010; EN ISO 9241-210:2010)  
Ergonomics of human-system interaction – Part 210: Human-centred design for interactive systems (ISO 9241-210:2010; EN ISO 9241-210:2010)

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

HRN EN ISO 23993:2010 en pr  
Toplinsko-izolacijski proizvodi za instalacije u zgradama i industriji – Određivanje toplinske vodljivosti pri projektiranju (ISO 23993:2008, ispravljena verzija 2009-10-01; EN ISO 23993:2010)  
Thermal insulation products for building equipment and industrial installations – Determination of design thermal conductivity (ISO 23993:2008, Corrected version 2009-10-01; EN ISO 23993:2010)

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

HRN EN ISO 11252:2010 en pr  
Laseri i pridružena oprema – Laserski uređaj – Minimalni zahtjevi za dokumentaciju (ISO 11252:2004; EN ISO 11252:2008)  
Lasers and laser-related equipment – Laser device – Minimum requirements for documentation (ISO 11252:2004; EN ISO 11252:2008)

HRN EN ISO 12866:2008/A1:2010 en pr  
Oftalmološki instrumenti – Perimetri (ISO 12866:1999/Amd 1:2008; EN ISO 12866:1999/A1:2008)  
Ophthalmic instruments – Perimeters – Amendment 1 (ISO 12866:1999/Amd 1:2008; EN ISO 12866:1999/A1:2008)

HRN EN ISO 18369-1:2008/A1:2010 en pr  
Oftalmološka optika – Kontaktne leće – 1. dio: Terminološki rječnik, razredbeni sustav i preporuke za označivanje specifikacija (ISO 18369-1:2006/Amd 1:2009; EN ISO 18369-1:2006/A1:2009)  
Ophthalmic optics – Contact lenses – Part 1: Vocabulary, classification system and recommendations for labelling specifications – Amendment 1 (ISO 18369-1:2006/Amd 1:2009; EN ISO 18369-1:2006/A1:2009)

HRN EN ISO 21987:2010 en pr  
Oftalmološka optika – Ugrađene naočalne leće (ISO 21987:2009; EN ISO 21987:2009)  
Ophthalmic optics – Mounted spectacle lenses (ISO 21987:2009; EN ISO 21987:2009)

HRN EN ISO 24157:2010 en pr  
Oftalmološka optika i instrumenti – Izvješćavanje o optičkoj aberaciji ljudskog oka (ISO 24157:2008; EN ISO 24157:2008)  
Ophthalmic optics and instruments – Reporting aberrations of the human eye (ISO 24157:2008; EN ISO 24157:2008)

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

HRN EN 71-1:2010 en pr  
Sigurnost igračaka – 1. dio: Mehanička i fizikalna svojstva (EN 71-1:2005+A9:2009)  
Safety of toys – Part 1: Mechanical and physical properties (EN 71-1:2005+A9:2009)



- HRN EN 71-4:2010 en pr  
Sigurnost igraćaka — 4. dio: Eksperimentalna oprema za kemiju i srodne aktivnosti (EN 71-4:2009)  
Safety of toys — Part 4: Experimental sets for chemistry and related activities (EN 71-4:2009)
- HRN EN 71-5:2003/A2:2010 en pr  
Sigurnost igraćaka — 5. dio: Kemijske igračke (oprema) koje se ne ubrajaju u eksperimentalnu opremu (EN 71-5:1993/A2:2009)  
Safety of toys — Part 5: Chemical toys (sets) other than experimental sets (EN 71-5:1993/A2:2009)
- HRN EN 71-8:2010 en pr  
Sigurnost igraćaka — 8. dio: Njihaljke, tobogani i igračke za slične aktivnosti za unutarnju i vanjsku uporabu u kućanstvu (EN 71-8:2003+A4:2009)  
Safety of toys — Part 8: Swings, slides and similar activity toys for indoor and outdoor family domestic use (EN 71-8:2003+A4:2009)
- HRN EN 12790:2010 en pr  
Proizvodi za dojenčad i malu djecu — Ležaljke (EN 12790:2009)  
Child use and care articles — Reclined cradles (EN 12790:2009)

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

- HRN EN ISO 14004:2010 en pr  
Sustavi upravljanja okolišem — Opće smjernice o načelima, sustavima i podržavajućim tehnikama (ISO 14004:2004; EN ISO 14004:2010)  
Environmental management systems — General guidelines on principles, systems and support techniques (ISO 14004:2004; EN ISO 14004:2010)
- HRN EN ISO 14015:2010 en pr  
Upravljanje okolišem — Procjena okoliša lokacije i organizacije (ISO 14015:2001; EN ISO 14015:2010)  
Environmental management — Environmental assessment of sites and organizations (EASO) (ISO 14015:2001; EN ISO 14015:2010)
- HRN EN ISO 14025:2010 en pr  
Oznake i izjave za područje okoliša — Izjave o okolišu tip III — Načela i postupci (ISO 14025:2006; EN ISO 14025:2010)  
Environmental labels and declarations — Type III environmental declarations — Principles and procedures (ISO 14025:2006; EN ISO 14025:2010)
- HRN EN ISO 14050:2010 en pr  
Upravljanje okolišem — Rječnik (ISO 14050:2009; EN ISO 14050:2010)  
Environmental management — Vocabulary (ISO 14050:2009; EN ISO 14050:2010)
- HRN EN ISO 14063:2010 en pr  
Upravljanje okolišem — Komunikacija o okolišu — Smjernice i primjeri (ISO 14063:2006; EN ISO 14063:2010)  
Environmental management — Environmental communication — Guidelines and examples (ISO 14063:2006; EN ISO 14063:2010)

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

- HRN EN 1816:2010 en pr  
Elastične podne obloge — Specifikacija za homogene i heterogene podne obloge od glatke gume s pjenastom podlogom (EN 1816:2010)  
Resilient floor coverings — Specification for homogeneous and heterogeneous smooth rubber floor coverings with foam backing (EN 1816:2010)
- HRN EN 1817:2010 en pr  
Elastične podne obloge — Specifikacija za homogene i heterogene podne obloge od glatke gume (EN 1817:2010)  
Resilient floor coverings — Specification for homogeneous and heterogeneous smooth rubber floor coverings (EN 1817:2010)

- HRN EN 12199:2010 en pr  
Elastične podne obloge — Specifikacija za homogene i heterogene podne obloge od reljefne gume (EN 12199:2010)  
Resilient floor coverings — Specifications for homogeneous and heterogeneous relief rubber floor coverings (EN 12199:2010)

### **HZN/TO 502, Plinski uređaji**

- HRN EN 125:2010 en pr  
Naprave za nadzor plamena za plinske aparate — Termoelektrični osigurači paljenja (EN 125:2010)  
Flame supervision devices for gas burning appliances — Thermoelectric flame supervision devices (EN 125:2010)
- HRN EN 257:2010 en pr  
Mehanički termostati za plinske aparate (EN 257:2010)  
Mechanical thermostats for gas-burning appliances (EN 257:2010)
- HRN EN 621:2010 en pr  
Nekućanski plinski generatori toplog zraka s prisilnom konvekcijom za grijanje prostora s nazivnim toplinskim opterećenjem jednakim ili manjim od 300 kW, bez ventilatora u dovodu zraka za izgaranje i/ili u odvodu dimnih plinova (EN 621:2009)  
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 621:2009)
- HRN EN 778:2010 en pr  
Kućanski plinski generatori toplog zraka s prisilnom konvekcijom za grijanje prostora s nazivnim toplinskim opterećenjem jednakim ili manjim od 70 kW, bez ventilatora u dovodu zraka za izgaranje i/ili u odvodu dimnih plinova (EN 778:2009)  
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 778:2009)
- HRN EN 1020:2010 en pr  
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 1020:2009)  
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 (EN 1020:2009)
- HRN EN 1106:2010 en pr  
Ručni regulacijski pipci za plinske uređaje (EN 1106:2010)  
Manually operated taps for gas burning appliances (EN 1106:2010)
- HRN EN 1319:2010 en pr  
Kućanski plinski generatori toplog zraka s prisilnom konvekcijom za grijanje prostora, s ventilatorom kao potporom plinskim plamenicima s nazivnim toplinskim opterećenjem jednakim ili manjim od 70 kW (EN 1319:2009)  
Domestic gas-fired forced convection air heaters for space heating, with fan-assisted burners not exceeding a net heat input of 70 kW (EN 1319:2009)
- HRN EN 1854:2010 en pr  
Naprave za nadzor (ograničenje) tlaka za plinske plamenike i plinske aparate (EN 1854:2010)  
Pressure sensing devices for gas burners and gas burning appliances (EN 1854:2010)

HRN EN 12864:2004/A3:2010 en pr  
Niskotlačni, nepodesivi regulatori tlaka s maksimalnim izlaznim tlakom jednakim ili manjim od 200 mbar, s protokom jednakim ili manjim od 4 kg/h, i njihove pridružene (pripadne) sigurnosne naprave za butan, propan ili njihovu smjesu (EN 12864:2001/A3:2009)  
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 (EN 12864:2001/A3:2009)

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

HRN EN ISO 2128:2010 en pr  
Anodizacija aluminija i njegovih legura – Određivanje debljine prevlaka dobivenih anodnom oksidacijom – Nerazorno mjerenje mikroskopom s razdijeljenom zrakom (ISO 2128:2010; EN ISO 2128:2010)  
Anodizing of aluminium and its alloys – Determination of thickness of anodic oxidation coatings – Non-destructive measurement by split-beam microscope (ISO 2128:2010; EN ISO 2128:2010)

HRN EN ISO 2143:2010 en pr  
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 2143:2010)  
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; EN ISO 2143:2010)

HRN EN ISO 2931:2010 en pr  
Anodna obrada aluminija i aluminijevih legura – Ocjenjivanje kvalitete zapunjenih prevlaka anodnom oksidacijom mjerenjem prijemljivosti (ISO 2931:2010; EN ISO 2931:2010)  
Anodizing of aluminium and its alloys – Assessment of quality of sealed anodic oxidation coatings by measurement of admittance (ISO 2931:2010; EN ISO 2931:2010)

HRN EN ISO 3210:2010 en pr  
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 3210:2010)  
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; EN ISO 3210:2010)

HRN EN ISO 3211:2010 en pr  
Anodizacija aluminija i njegovih legura – Ocjenjivanje otpornosti prevlaka dobivenih anodnom oksidacijom na nastajanje pukotina pri deformiranju (ISO 3211:2010; EN ISO 3211:2010)  
Anodizing of aluminium and its alloys – Assessment of resistance of anodic oxidation coatings to cracking by deformation (ISO 3211:2010; EN ISO 3211:2010)

HRN EN ISO 6581:2010 en pr  
Anodizacija aluminija i aluminijevih legura – Određivanje usporedne postojanosti obojanih prevlaka, dobivenih anodnom oksidacijom, na ultraljubičastu svjetlost i toplinu (ISO 6581:2010; EN ISO 6581:2010)  
Anodizing of aluminium and its alloys – Determination of the comparative fastness to ultraviolet light and heat of coloured anodic oxidation coatings (ISO 6581:2010; EN ISO 6581:2010)

HRN EN ISO 6719:2010 en pr  
Anodizacija aluminija i aluminijevih legura – Mjerenje refleksijskih svojstava aluminijevih površina uređajem s integrirajućom kuglom (ISO 6719:2010; EN ISO 6719:2010)

Anodizing of aluminium and its alloys – Measurement of reflectance characteristics of aluminium surfaces using integrating-sphere instruments (ISO 6719:2010; EN ISO 6719:2010)

HRN EN ISO 7599:2010 en pr  
Anodna obrada aluminija i aluminijevih legura – Opće specifikacije za prevlake anodnom oksidacijom na aluminiju (ISO 7599:2010; EN ISO 7599:2010)  
Anodizing of aluminium and its alloys – General specifications for anodic oxidation coatings on aluminium (ISO 7599:2010; EN ISO 7599:2010)

HRN EN ISO 7668:2010 en pr  
Anodizacija aluminija i aluminijevih legura – Mjerenje direktne refleksije i direktnog odsjaja prevlaka dobivenih anodnom oksidacijom pod kutovima od 20°, 45°, 60° ili 85° (ISO 7668:2010; EN ISO 7668:2010)  
Anodizing of aluminium and its alloys – Measurement of specular reflectance and specular gloss of anodic oxidation coatings at angles of 20 degrees, 45 degrees, 60 degrees or 85 degrees (ISO 7668:2010; EN ISO 7668:2010)

HRN EN ISO 7759:2010 en pr  
Anodizacija aluminija i njegovih legura – Mjerenje refleksijskih svojstava aluminijevih površina preciznim goniofotometrom ili pojednostavljenim goniofotometrom (ISO 7759:2010; EN ISO 7759:2010)  
Anodizing of aluminium and its alloys – Measurement of reflectance characteristics of aluminium surfaces using a goniophotometer or an abridged goniophotometer (ISO 7759:2010; EN ISO 7759:2010)

HRN EN 10029:2010 en pr  
Toplo valjani čelični limovi debljine 3 mm ili više – Dopuštena odstupanja dimenzija i oblika (EN 10029:2010)  
Hot-rolled steel plates 3 mm thick or above – Tolerances on dimensions and shape (EN 10029:2010)

HRN EN 10051:2010 en pr  
Neprekinuta, toplo valjana traka i ploča/lim izrezana iz široke trake od nelegiranih i legiranih čelika – Dopuštena odstupanja dimenzija i oblika (EN 10051:2010)  
Continuously hot-rolled strip and plate/sheet cut from wide strip of non-alloy and alloy steels – Tolerances on dimensions and shape (EN 10051:2010)

HRN EN ISO 12737:2010 en pr  
Metalni materijali – Određivanje lomne žilavosti pri ravninskom stanju deformacije (ISO 12737:2010; EN ISO 12737:2010)  
Metallic materials – Determination of plane-strain fracture toughness (ISO 12737:2010; EN ISO 12737:2010)

HRN EN ISO 15630-1:2010 en pr  
Čelik za armiranje i prednapinjanje betona – Metode ispitivanja – 1. dio: Armaturene šipke, valjana žica i žica (ISO 15630-1:2010; EN ISO 15630-1:2010)  
Steel for the reinforcement and prestressing of concrete – Test methods – Part 1: Reinforcing bars, wire rod and wire (ISO 15630-1:2010; EN ISO 15630-1:2010)

HRN EN ISO 15630-2:2010 en pr  
Čelik za armiranje i prednapinjanje betona – Metode ispitivanja – 2. dio: Zavarene mreže (ISO 15630-2:2010; EN ISO 15630-2:2010)  
Steel for the reinforcement and prestressing of concrete – Test methods – Part 2: Welded fabric (ISO 15630-2:2010; EN ISO 15630-2:2010)

HRN EN ISO 15630-3:2010 en pr  
Čelik za armiranje i prednapinjanje betona – Metode ispitivanja – 3. dio: Čelik za prednapinjanje (ISO 15630-3:2010; EN ISO 15630-3:2010)  
Steel for the reinforcement and prestressing of concrete – Test methods – Part 3: Prestressing steel (ISO 15630-3:2010; EN ISO 15630-3:2010)

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

HRN EN ISO 3613:2010 en pr  
Metalne i druge anorganske prevlake – Kromatne konverzijske prevlake na cinku, kadmiju, aluminij-cink legurama i cink-aluminij legurama – Metode ispitivanja (ISO 3613:2010; EN ISO 3613:2010)  
Metallic and other inorganic coatings – Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zinc-aluminium alloys – Test methods (ISO 3613:2010; EN ISO 3613:2010)

HRN EN ISO 4534:2010 en pr  
Staklasti i porculanski emajli – Određivanje ponašanja fluidnosti – Ispitivanje fuzijskog protoka (ISO 4534:2010; EN ISO 4534:2010)  
Vitreous and porcelain enamels – Determination of fluidity behaviour – Fusion flow test (ISO 4534:2010; EN ISO 4534:2010)

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

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

HRN EN ISO 6145-5:2010 en pr  
Analiza plina – Priprava plinskih smjesa za umjeravanje upotrebom dinamičkih obujamskih metoda – 5. dio: Oprema za kapilarno umjeravanje (ISO 6145-5:2009; EN ISO 6145-5:2010)  
Gas analysis – Preparation of calibration gas mixtures using dynamic volumetric methods – Part 5: Capillary calibration devices (ISO 6145-5:2009; EN ISO 6145-5:2010)

HRN EN ISO 6145-7:2010 en pr  
Analiza plina – Priprava plinskih smjesa za umjeravanje upotrebom dinamičkih obujamskih metoda – 7. dio: Toplinska kontrola protoka mase (ISO 6145-7:2009; EN ISO 6145-7:2010)  
Gas analysis – Preparation of calibration gas mixtures using dynamic volumetric methods – Part 7: Thermal mass-flow controllers (ISO 6145-7:2009; EN ISO 6145-7:2010)

HRN EN ISO 6145-9:2010 en pr  
Analiza plina – Priprava plinskih smjesa za umjeravanje upotrebom dinamičkih obujamskih metoda – 9. dio: Metoda zasićenja (ISO 6145-9:2009; EN ISO 6145-9:2010)  
Gas analysis – Preparation of calibration gas mixtures using dynamic volumetric methods – Part 9: Saturation method (ISO 6145-9:2009; EN ISO 6145-9:2010)

HRN EN ISO 10416:2010 en pr  
Petroleum and natural gas industries – Drilling fluids – Laboratory testing (ISO 10416:2008; EN ISO 10416:2009)

HRN EN ISO 10423:2010 en pr  
Industrija nafte i prirodnog plina – Oprema za bušenje i proizvodnju – Oprema za bušotinske glave i erupcijske uređaje (ISO 10423:2009; EN ISO 10423:2009)

Petroleum and natural gas industries – Drilling and production equipment – Wellhead and christmas tree equipment (ISO 10423:2009; EN ISO 10423:2009)

HRN EN ISO 10426-1:2010 en pr  
Industrija nafte i prirodnog plina – Cementi i materijali za cementaciju bušotina – 1. dio: Specifikacija (ISO 10426-1:2009; EN ISO 10426-1:2009)  
Petroleum and natural gas industries – Cements and materials for well cementing – Part 1: Specification (ISO 10426-1:2009; EN ISO 10426-1:2009)

HRN EN ISO 13503-2:2007/A1:2010 en pr  
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 13503-2:2006/A1:2009)

HRN EN ISO 13624-1:2010 en pr  
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 13624-1:2009)

HRN EN ISO 13628-5:2010 en pr  
Industrija nafte i prirodnog plina – Projektiranje i rad podmorskih proizvodnih sustava – 5. dio: Podmorski vodovi (ISO 13628-5:2009; EN ISO 13628-5:2009)  
Petroleum and natural gas industries – Design and operation of subsea production systems – Part 5: Subsea umbilicals (ISO 13628-5:2009; EN ISO 13628-5:2009)

HRN EN ISO 13678:2010 en pr  
Industrija nafte i prirodnog plina – Utvrđivanje vrijednosti i ispitivanja masti za podmazivanje navoja na zaštitnim cijevima, uzlaznim cijevima i cjevovodima (ISO 13678:2009; EN ISO 13678:2009)  
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; EN ISO 13678:2009)

HRN EN ISO 13709:2010 en pr  
Industriju nafte, petrokemije i prirodnog plina – Centrifugalne pumpe za industriju nafte, petrokemije i prirodnog plina (ISO 13709:2009; EN ISO 13709:2009)  
Centrifugal pumps for petroleum, petrochemical and natural gas industries (ISO 13709:2009; EN ISO 13709:2009)

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

HRN EN ISO 17078-1:2006/A1:2010 en pr  
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 17078-1:2004/A1:2010)  
Petroleum and natural gas industries – Drilling and production equipment – Part 1: Side-pocket mandrels – Amendment 1 (ISO 17078-1:2004/Amd 1:2010; EN ISO 17078-1:2004/A1:2010)

HRN EN ISO 17078-3:2010 en pr  
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 17078-3:2009)

- HRN EN ISO 17078-4:2010 en pr  
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 17078-4:2010)
- HRN EN ISO 19901-6:2010 en pr  
Petroleum and natural gas industries – Specific requirements for offshore structures – Part 6: Marine operations (ISO 19901-6:2009; EN ISO 19901-6:2009)
- HRN EN ISO 20815:2010 en pr  
Industrija nafte, petrokemije i prirodnog plina – Osiguranje proizvodnje i upravljanje pouzdanošću (ISO 20815:2008, Korigirana verzija 2009-06-15; EN ISO 20815:2010)
- Petroleum, petrochemical and natural gas industries – Production assurance and reliability management (ISO 20815:2008, Corrected version 2009-06-15; EN ISO 20815:2010)
- HRN EN ISO 23936-1:2010 en pr  
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; EN ISO 23936-1:2009)

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

- HRN ISO 80000-1:2010 en pr  
Veličine i jedinice – 1. dio: Općenito (ISO 80000-1:2009)  
Quantities and units – Part 1: General (ISO 80000-1:2009)
- HRN ISO 80000-2:2010 en pr  
Veličine i jedinice – 2. dio: Matematički znakovi i simboli za korištenje u prirodnim znanostima i tehnologiji (ISO 80000-2:2009)  
Quantities and units – Part 2: Mathematical signs and symbols to be used in the natural sciences and technology (ISO 80000-2:2009)
- HRN ISO 80000-7:2010 en pr  
Veličine i jedinice – 7. dio: Svjetlost (ISO 80000-7:2008)  
Quantities and units – Part 7: Light (ISO 80000-7:2008)
- HRN ISO 80000-10:2010 en pr  
Veličine i jedinice – 10. dio: Atomska i nuklearna fizika (ISO 80000-10:2009)  
Quantities and units – Part 10: Atomic and nuclear physics (ISO 80000-10:2009)
- HRN ISO 80000-11:2010 en pr  
Veličine i jedinice – 11. dio: Karakteristični brojevi (ISO 80000-11:2008)  
Quantities and units – Part 11: Characteristic numbers (ISO 80000-11:2008)
- HRN ISO 80000-12:2010 en pr  
Veličine i jedinice – 12. dio: Fizika čvrstog stanja (ISO 80000-12:2009)  
Quantities and units – Part 12: Solid state physics (ISO 80000-12:2009)

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

- HRS CEN ISO/TS 12813:2010 en pr  
Electronic fee collection – Compliance check communication for autonomous systems (ISO/TS 12813:2009; CEN ISO/TS 12813:2009)
- HRN EN ISO 17264:2010 en pr  
Intelligent transport systems – Automatic vehicle and equipment identification – Interfaces (ISO 17264:2009; EN ISO 17264:2009)

- HRN EN ISO 24978:2010 en pr  
Intelligent transport systems – ITS Safety and emergency messages using any available wireless media – Data registry procedures (ISO 24978:2009; EN ISO 24978:2009)

### **HZN/TO 528, Oprema za željeznice**

- HRN EN 13146-9:2010 en pr  
Oprema za željeznice – Željeznički gornji ustroj – Metode ispitivanja za kolosječni pričvrtni pribor – 9. dio: Određivanje krutosti (EN 13146-9:2009)  
Railway applications – Track – Test methods for fastening systems – Part 9: Determination of stiffness (EN 13146-9:2009)
- HRN EN 14033-3:2010 en pr  
Oprema za željeznice – Željeznički gornji ustroj – Kolosiječni strojevi za gradnju i održavanje – 3. dio: Opći sigurnosni zahtjevi (EN 14033-3:2009)  
Railway applications – Track – Railbound construction and maintenance machines – Part 3: General safety requirements (EN 14033-3:2009)
- HRN EN 15273-1:2010 en pr  
Oprema za željeznice – Profili – 1. dio: Općenito – Zajednička pravila za infrastrukturu i željeznička vozila (EN 15273-1:2009)  
Railway applications – Gauges – Part 1: General – Common rules for infrastructure and rolling stock (EN 15273-1:2009)
- HRN EN 15273-2:2010 en pr  
Oprema za željeznice – Profili – 2. dio: Profil željezničkih vozila (EN 15273-2:2009)  
Railway applications – Gauges – Part 2: Rolling stock gauge (EN 15273-2:2009)
- HRN EN 15273-3:2010 en pr  
Oprema za željeznice – Profili – 3. dio: Slobodni profili (EN 15273-3:2009)  
Railway applications – Gauges – Part 3: Structure gauges (EN 15273-3:2009)
- HRN EN 15689:2010 en pr  
Railway applications – Track – Switches and crossings – Crossing components made of cast austenitic manganese steel (EN 15689:2009)
- HRN EN 15723:2010 en pr  
Railway applications – Closing and locking devices for payload protecting devices against environmental influences – Requirements for durability, operation, indication, maintenance, recycling (EN 15723:2010)
- HRN EN 15806:2010 en pr  
Railway applications – Braking – Static brake testing (EN 15806:2010)

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

- HRN EN 617:2010 en pr  
Prenosila i sustavi neprekidne dobave – Sigurnost i EMC zahtjevi na opremu za skladištenje sipkog materijala u silosima, bunkerima, posudama i lijevcima (EN 617:2001+A1:2010)  
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 617:2001+A1:2010)
- HRN EN 618:2010 en pr  
Prenosila i sustavi neprekidne dobave – Sigurnosni i EMC zahtjevi na opremu mehaničke dobave sipkog materijala osim nepokretnih trakastih konvejera (EN 618:2002+A1:2010)  
Continuous handling equipment and systems – Safety and EMC requirements for equipment for mechanical handling of bulk materials except fixed belt conveyors (EN 618:2002+A1:2010)



- HRN EN 620:2010 en pr  
Prenosila i sustavi neprekidne dobave – Sigurnost i EMS zahtjevi na nepokretne trakaste konvejure za sipki materijal (EN 620:2002+A1:2010)  
Continuous handling equipment and systems – Safety and EMC requirements for fixed belt conveyors for bulk materials (EN 620:2002+A1:2010)
- HRN EN 741:2010 en pr  
Prenosila i sustavi neprekidne dobave – Sigurnosni zahtjevi za sustave i komponente pneumatske dobave sipkog materijala (EN 741:2000+A1:2010)  
Continuous handling equipment and systems – Safety requirements for systems and their components for pneumatic handling of bulk materials (EN 741:2000+A1:2010)
- HRN EN 13000:2010 en pr  
Granici – Mobilni granici (EN 13000:2010)  
Cranes – Mobile cranes (EN 13000:2010)
- HRS CEN/TS 13001-3-5:2010 en pr  
Granici – Opće projektiranje – Dio 3-5: Granična stanja i dokaz sigurnosti kovanih kuka (CEN/TS 13001-3-5:2010)  
Cranes – General design – Part 3-5: Limit states and proof of competence of forged hooks (CEN/TS 13001-3-5:2010)
- HRN EN 13157:2010 en pr  
Granici – Sigurnost – Dizalice na ručni pogon (EN 13157:2004+A1:2009)  
Cranes – Safety – Hand powered cranes (EN 13157:2004+A1:2009)
- HRN EN 14238:2010 en pr  
Granici – Ručno vođeni manipulatori (EN 14238:2004+A1:2009)  
Cranes – Manually controlled load manipulating devices (EN 14238:2004+A1:2009)
- HRN EN 14492-1:2010 en pr  
Granici – Vitla i dizalice na strojni pogon – 1. dio: Vitla s pogonom (EN 14492-1:2006+A1:2009+AC:2010)  
Cranes – Power driven winches and hoists – Part 1: Power driven winches (EN 14492-1:2006+A1:2009+AC:2010)
- HRN EN 14492-2:2010 en pr  
Granici – Vitla i dizalice na strojni pogon – 2. dio: Dizalice na strojni pogon (EN 14492-2:2006+A1:2009+AC:2010)  
Cranes – Power driven winches and hoists – Part 2: Power driven hoists (EN 14492-2:2006+A1:2009+AC:2010)

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

- HRN EN ISO 175:2010 en pr  
Plastika – Metode ispitivanja za određivanje utjecaja uranjanja u tekuće kemikalije (ISO 175:2010; EN ISO 175:2010)  
Plastics – Methods of test for the determination of the effects of immersion in liquid chemicals (ISO 175:2010; EN ISO 175:2010)
- HRN EN ISO 877-1:2010 en pr  
Plastika – Metode izlaganja sunčevom zračenju – 1. dio: Opće upute (ISO 877-1:2009; EN ISO 877-1:2010)  
Plastics – Methods of exposure to solar radiation – Part 1: General guidance (ISO 877-1:2009; EN ISO 877-1:2010)
- HRN EN ISO 877-2:2010 en pr  
Plastika – Metode izlaganja sunčevom zračenju – 2. dio: Izravno atmosfersko starenje i izlaganje iza prozorskog stakla (ISO 877-2:2009; EN ISO 877-2:2010)  
Plastics – Methods of exposure to solar radiation – Part 2: Direct weathering and exposure behind window glass (ISO 877-2:2009; EN ISO 877-2:2010)

- HRN EN ISO 877-3:2010 en pr  
Plastika – Metode izlaganja sunčevom zračenju – 3. dio: Pojačano atmosfersko starenje uporabom koncentriranog sunčevog zračenja (ISO 877-3:2009; EN ISO 877-3:2010)  
Plastics – Methods of exposure to solar radiation – Part 3: Intensified weathering using concentrated solar radiation (ISO 877-3:2009; EN ISO 877-3:2010)
- HRN EN ISO 4611:2010 en pr  
Plastika – Određivanje izloženosti vrućoj vlazi, raspršenoj vodi i slanoj izmaglici (ISO 4611:2010; EN ISO 4611:2010)  
Plastics – Determination of the effects of exposure to damp heat, water spray and salt mist (ISO 4611:2010; EN ISO 4611:2010)

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

- HRN ISO 128-1:2010 en pr  
Tehnički crteži – Osnovna načela prikazivanja – 1. dio: Uvod i kazalo (ISO 128-1:2003)  
Technical drawings – General principles of presentation – Part 1: Introduction and index (ISO 128-1:2003)
- HRN EN ISO 286-1:2010 en pr  
Geometrijske specifikacije proizvoda (GSP) – ISO-ov kodni sustav za tolerancije linearnih izmjera – 1. dio: Osnove tolerancija, odstupanja i dosjeda (ISO 286-1:2010; 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; EN ISO 286-1:2010)
- HRN ISO 3040:2010 en pr  
Geometrijske specifikacije proizvoda (GSP) – Kotiranje i tolerancije – Stošci (ISO 3040:2009)  
Geometrical product specifications (GPS) – Dimensioning and tolerancing – Cones (ISO 3040:2009)
- HRN EN ISO 3611:2010 en pr  
Geometrijske specifikacije proizvoda (GSP) – Dimenzionalna mjerna oprema: mikrometri za vanjska mjerenja – Konstrukcija i mjerne karakteristike (ISO 3611:2010; EN ISO 3611:2010)  
Geometrical product specifications (GPS) – Dimensional measuring equipment: Micrometers for external measurements – Design and metrological characteristics (ISO 3611:2010; EN ISO 3611:2010)
- HRN EN ISO 4287:2008/A1:2010 en pr  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Metoda snimanja profila – Nazivlje, definicije i parametri teksture površine – Amandman 1: Broj izbrojenih izbočina (ISO 4287:1997/Amd 1:2009; EN ISO 4287:1998/A1:2009)  
Geometrical Product Specifications (GPS) – Surface texture: Profile method – Terms, definitions and surface texture parameters – Amendment 1: Peak count number (ISO 4287:1997/Amd 1:2009; EN ISO 4287:1998/A1:2009)
- HRN EN ISO 5457:2008/A1:2010 en pr  
Tehnička dokumentacija proizvoda – Veličine i oprema araka za crtanje – Amandman 1 (ISO 5457:1999/Amd 1:2010; EN ISO 5457:1999/A1:2010)  
Technical product documentation – Sizes and layout of drawing sheets – Amendment 1 (ISO 5457:1999/Amd 1:2010; EN ISO 5457:1999/A1:2010)
- HRN ISO 9180:2010 en pr  
Grafitne mine za drvene olovke – Razredba i promjeri (ISO 9180:1988)  
Black leads for wood-cased pencils – Classification and diameters (ISO 9180:1988)



- HRN EN ISO 9493:2010 en pr  
Geometrijske specifikacije proizvoda (GSP) – Dimenzionalna mjerna oprema: pokazivači za ispitivanje putem izbornika (poluzni tip) (ISO 9493:2010; EN ISO 9493:2010)  
Geometrical product specifications (GPS) – Dimensional measuring equipment: Dial test indicators (lever type) – Design and metrological characteristics (ISO 9493:2010; EN ISO 9493:2010)
- HRN EN ISO 10360-2:2010 en pr  
Geometrijske specifikacije proizvoda (GSP) – Testovi za prihvatljivost i naknadnu provjeru trokoordinatnih mjernih uređaja (TMU) – 2. dio: Uporaba TMU-a za mjerenje lineranih dimenzija (ISO 10360-2:2009; EN ISO 10360-2:2009)  
Geometrical product specifications (GPS) – Acceptance and reverification tests for coordinate measuring machines (CMM) – Part 2: CMMs used for measuring linear dimensions (ISO 10360-2:2009; EN ISO 10360-2:2009)
- HRN EN ISO 10360-5:2010 en pr  
Geometrijske specifikacije proizvoda (GSP) – Testovi za prihvatljivost i naknadnu provjeru trokoordinatnih mjernih uređaja (TMU) – 5. dio: TMU-a s jednostrukim i višestrukim sustavima ticala za ispitivanje (ISO 10360-5:2010; EN ISO 10360-5:2010)  
Geometrical product specifications (GPS) – Acceptance and reverification tests for coordinate measuring machines (CMM) – Part 5: CMMs using single and multiple stylus contacting probing systems (ISO 10360-5:2010; EN ISO 10360-5:2010)
- HRS CEN ISO/TS 12181-1:2010 en pr  
Geometrijske specifikacije proizvoda (GSP) – Kružnost – 1. dio: Terminološki rječnik i parametri kružnosti (ISO/TS 12181-1:2003; CEN ISO/TS 12181-1:2007)  
Geometrical product specifications (GPS) – Roundness – Part 1: Vocabulary and parameters of roundness (ISO/TS 12181-1:2003; CEN ISO/TS 12181-1:2007)
- HRS CEN ISO/TS 12181-2:2010 en pr  
Geometrijske specifikacije proizvoda (GSP) – Kružnost – 2. dio: Operatori specifikacija (ISO/TS 12181-2:2003; CEN ISO/TS 12181-2:2007)  
Geometrical product specifications (GPS) – Roundness – Part 2: Specification operators (ISO/TS 12181-2:2003; CEN ISO/TS 12181-2:2007)
- HRI ISO/TR 13567-3:2010 en pr  
Tehnička dokumentacija proizvoda – Organizacija i imenovanje slojeva za CAD – 3. dio: Primjena ISO 13567-1 i ISO 13567-2 (ISO/TR 13567-3:1999)  
Technical product documentation – Organization and naming of layers for CAD – Part 3: Application of ISO 13567-1 and ISO 13567-2 (ISO/TR 13567-3:1999)
- HRS CEN ISO/TS 14253-4:2010 en pr  
Geometrijske specifikacije proizvoda (GSP) – Pregled mjerenjem izradaka i mjerne opreme – 4. dio: Podloga kod odlučivanja za pravila za funkcionalna i specifikacijska ograničenja (ISO/TS 14253-4:2010; CEN ISO/TS 14253-4:2010)  
Geometrical product specifications (GPS) – Inspection by measurement of workpieces and measuring equipment – Part 4: Background on functional limits and specification limits in decision rules (ISO/TS 14253-4:2010; CEN ISO/TS 14253-4:2010)
- HRN EN ISO 14406:2010 en pr  
Geometrijske specifikacije proizvoda (GSP) – Ekstrakcija (ISO 14406:2010; EN ISO 14406:2010)  
Geometrical product specifications (GPS) – Extraction (ISO 14406:2010; EN ISO 14406:2010)
- HRI CR ISO 14638:2010 en pr  
Geometrijske specifikacije proizvoda (GSP) – Masterplan (ISO/TR 14638:1995; CR ISO 14638:1996)  
Geometrical product specification – Masterplan (ISO/TR 14638:1995; CR ISO 14638:1996)
- HRN EN ISO 25178-6:2010 en pr  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Areal – 6. dio: Razredba metoda mjerenja teksture površine (ISO 25178-6:2010; EN ISO 25178-6:2010)  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 6: Classification of methods for measuring surface texture (ISO 25178-6:2010; EN ISO 25178-6:2010)
- HRN EN ISO 25178-601:2010 en pr  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Areal – 601. dio: Nazivne karakteristike kontaktnih instrumenta (s ticalom) (ISO 25178-601:2010; EN ISO 25178-601:2010)  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 601: Nominal characteristics of contact (stylus) instruments (ISO 25178-601:2010; EN ISO 25178-601:2010)
- HRN EN ISO 25178-602:2010 en pr  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Areal – 602. dio: Nazivne karakteristike nekontaktnih instrumenta (konfokalna kromatska sonda) (ISO 25178-602:2010; EN ISO 25178-602:2010)  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 602: Nominal characteristics of non-contact (confocal chromatic probe) instruments (ISO 25178-602:2010; EN ISO 25178-602:2010)
- HRN EN ISO 25178-701:2010 en pr  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Areal – 701. dio: Kalibracijski i mjerni etaloni za kontaktne instrumente (s ticalom) (ISO 25178-701:2010; EN ISO 25178-701:2010)  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 701: Calibration and measurement standards for contact (stylus) instruments (ISO 25178-701:2010; EN ISO 25178-701:2010)
- HRN EN ISO 26909:2010 en pr  
Opruge – Terminološki rječnik (ISO 26909:2009; EN ISO 26909:2010)  
Springs – Vocabulary (ISO 26909:2009; EN ISO 26909:2010)

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

- HRN EN ISO 16484-5:2010 en pr  
Digitalni sustavi upravljanja u zgradama (BACS) – 5. dio: Podatkovni komunikacijski protokol (ISO 16484-5:2010; EN ISO 16484-5:2010)  
Building automation and control systems – Part 5: Data communication protocol (ISO 16484-5:2010; EN ISO 16484-5:2010)

### **HZN/TO 543, Poštanske usluge**

- HRN EN 14482:2010 en pr  
Poštanske usluge – Posude za međunarodne pismovne pošiljke – Ispitne metode i zahtjevi izrade (EN 14482:2010)  
Postal services – Trays for international letter mail – Test methods and performance requirements (EN 14482:2010)

### **HZN/TO 544, Strojni elementi**

- HRN EN ISO 225:2010 en pr  
Spojni elementi – Vijci, svorni vijci i matice – Simboli i označavanje izmjera (ISO 225:2010; EN ISO 225:2010)  
Fasteners – Bolts, screws, studs and nuts – Symbols and descriptions of dimensions (ISO 225:2010; EN ISO 225:2010)

HRN EN ISO 12474:2010 en pr  
Vijci sa šestorokutnim udubljenjem u glavi s finim metričkim navojem (ISO 12474:2010; EN ISO 12474:2010)  
Hexagon socket head cap screws with metric fine pitch thread (ISO 12474:2010; EN ISO 12474:2010)

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

HRN EN 15796:2010 en pr  
Chemicals used for treatment of swimming pool water – Calcium hypochlorite (EN 15796:2010)

HRN EN 15797:2010 en pr  
Chemicals used for the treatment of swimming pool water – Iron based coagulants (EN 15797:2010)

HRN EN 15798:2010 en pr  
Products used for the treatment of swimming pool water – Filter media (EN 15798:2010)

HRN EN 15799:2010 en pr  
Products used for treatment of swimming pool water – Powdered activated carbon (EN 15799:2010)

HRN EN 15848:2010 en pr  
Water conditioning equipment inside buildings – Adjustable chemical dosing systems – Requirements for performance, safety and testing (EN 15848:2010)

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

HRN ISO 26000:2010 en pr  
Upute o društvenoj odgovornosti (ISO 26000:2010)  
Guidance on social responsibility (ISO 26000:2010)

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

HRN EN 15885:2010 en pr  
Classification and characteristics of techniques for renovation and repair of drains and sewers (EN 15885:2010)

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

HRN EN 593:2010 en pr  
Industrijski zaporni uređaji – Metalne leptiraste zaklopke (EN 593:2009)  
Industrial valves – Metallic butterfly valves (EN 593:2009)

HRN EN 1349:2010 en pr  
Regulacijski ventili za industrijske procese (EN 1349:2009)  
Industrial process control valves (EN 1349:2009)

HRN EN 1984:2010 en pr  
Industrijski zaporni uređaji – Čelični zasuni (EN 1984:2010)  
Industrial valves – Steel gate valves (EN 1984:2010)

HRN EN ISO 10497:2010 en pr  
Ispitivanje zapornih uređaja – Zahtjevi za ispitivanja od požara (ISO 10497:2010; EN ISO 10497:2010)  
Testing of valves – Fire type-testing requirements (ISO 10497:2010; EN ISO 10497:2010)

HRN EN 12288:2010 en pr  
Industrijski zaporni uređaji – Zasuni od bakrenih legura (EN 12288:2010)  
Industrial valves – Copper alloy gate valves (EN 12288:2010)

HRN EN 12351:2010 en pr  
Industrijski zaporni uređaji – Zaštitne kape za ventile s prirubničkim spojevima (EN 12351:2010)  
Industrial valves – Protective caps for valves with flanged connections (EN 12351:2010)

HRN EN 12982:2010 en pr  
Industrijski zaporni uređaji – Ugradbene mjere od kraja do kraja i od centra do kraja za ventile sa sučelno zavarivim krajevima (EN 12982:2009)  
Industrial valves – End-to-end and centre-to-end dimensions for butt welding end valves (EN 12982:2009)

HRN EN 13709:2010 en pr  
Industrijski zaporni uređaji – Čelični zaporni uređaji i zaporni zaustavni i protupovratni zaporni uređaji (EN 13709:2010)  
Industrial valves – Steel globe and globe stop and check valves (EN 13709:2010)

HRN EN 13789:2010 en pr  
Industrijski zaporni uređaji – Ventili izrađeni od lijevanog željeza (EN 13789:2010)  
Industrial valves – Cast iron globe valves (EN 13789:2010)

HRN EN 15714-1:2010 en pr  
Industrial valves – Actuators – Part 1: Terminology and definitions (EN 15714-1:2009)

HRN EN 15714-2:2010 en pr  
Industrial valves – Actuators – Part 2: Electric actuators for industrial valves – Basic requirements (EN 15714-2:2009)

HRN EN 15714-3:2010 en pr  
Industrial valves – Actuators – Part 3: Pneumatic part-turn actuators for industrial valves – Basic requirements (EN 15714-3:2009)

HRN EN 15714-4:2010 en pr  
Industrial valves – Actuators – Part 4: Hydraulic part-turn actuators for industrial valves – Basic requirements (EN 15714-4:2009)

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

HRN EN ISO 105-A01:2010 en pr  
Tekstil – Ispitivanje postojanosti obojenja – Dio A01: Opća načela ispitivanja (ISO 105-A01:2010; EN ISO 105-A01:2010)  
Textiles – Tests for colour fastness – Part A01: General principles of testing (ISO 105-A01:2010; EN ISO 105-A01:2010)

HRN EN ISO 105-C06:2010 en pr  
Tekstil – Ispitivanje postojanosti obojenja – Dio C06: Postojanost obojenja pri pranju u kućanstvu komercijalnom pranju (ISO 105-C06:2010; EN ISO 105-C06:2010)  
Textiles – Tests for colour fastness – Part C06: Colour fastness to domestic and commercial laundering (ISO 105-C06:2010; EN ISO 105-C06:2010)

HRN EN ISO 105-C08:2010 en pr  
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-C08:2010)  
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; EN ISO 105-C08:2010)

HRN EN ISO 105-E01:2010 en pr  
Tekstil – Ispitivanje postojanosti obojenja – Dio E01: Postojanost obojenja na vodu (ISO 105-E01:2010; EN ISO 105-E01:2010)  
Textiles – Tests for colour fastness – Part E01: Colour fastness to water (ISO 105-E01:2010; EN ISO 105-E01:2010)

- HRN EN ISO 105-E03:2010 en pr  
Tekstil – Ispitivanje postojanosti obojenja – Dio E03: Postojanost obojenja na kloriranu vodu (voda iz bazena) (ISO 105-E03:2010; 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-E03:2010)
- HRN EN ISO 105-E05:2010 en pr  
Tekstil – Ispitivanje postojanosti obojenja – Dio E05: Postojanost obojenja na kapi: Kiselina (ISO 105-E05:2010; EN ISO 105-E05:2010)  
Textiles – Tests for colour fastness – Part E05: Colour fastness to spotting: Acid (ISO 105-E05:2010; EN ISO 105-E05:2010)
- HRN EN ISO 105-E07:2010 en pr  
Tekstil – Ispitivanje postojanosti obojenja – Dio E07: Postojanost obojenja na vodene mrlje: voda (ISO 105-E07:2010; EN ISO 105-E07:2010)  
Textiles – Tests for colour fastness – Part E07: Colour fastness to spotting: Water (ISO 105-E07:2010; EN ISO 105-E07:2010)
- HRN EN ISO 105-E09:2010 en pr  
Tekstil – Ispitivanje postojanosti obojenja – Dio E09: Postojanost obojenja na vrelu vodu (ISO 105-E09:2010; EN ISO 105-E09:2010)  
Textiles – Tests for colour fastness – Part E09: Colour fastness to potting (ISO 105-E09:2010; EN ISO 105-E09:2010)
- HRN EN ISO 105-E12:2010 en pr  
Tekstil – Ispitivanje postojanosti obojenja – Dio E12: Postojanost obojenja na valjkanje: alkalno valjkanje (ISO 105-E12:2010; EN ISO 105-E12:2010)  
Textiles – Tests for colour fastness – Part E12: Colour fastness to milling: Alkaline milling (ISO 105-E12:2010; EN ISO 105-E12:2010)
- HRN EN ISO 2061:2010 en pr  
Tekstil – Određivanje uvojitosti pređa – Metoda izravnog brojenja (ISO 2061:2010; EN ISO 2061:2010)  
Textiles – Determination of twist in yarns – Direct counting method (ISO 2061:2010; EN ISO 2061:2010)
- HRN EN ISO 2307:2010 en pr  
Vlaknasta užad – Određivanje određenih fizikalnih i mehaničkih svojstava (ISO 2307:2010; EN ISO 2307:2010)  
Fibre ropes – Determination of certain physical and mechanical properties (ISO 2307:2010; EN ISO 2307:2010)
- HRN EN ISO 3175-1:2010 en pr  
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 3175-1:2010)  
Textiles – Professional care, drycleaning and wetcleaning of fabrics and garments – Part 1: Assessment of performance after cleaning and finishing (ISO 3175-1:2010; EN ISO 3175-1:2010)
- HRN EN ISO 3175-2:2010 en pr  
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 3175-2:2010)  
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; EN ISO 3175-2:2010)
- HRN EN ISO 6179:2010 en pr  
Vulkanizirana ili termoplastična guma – Gumene plahte i tkanine presvučene gumom – Određivanje stupnja prolaza isparivih tekućina (gravimetrijska metoda) (ISO 6179:2010; EN ISO 6179:2010)  
Rubber, vulcanized or thermoplastic – Rubber sheets and rubber-coated fabrics – Determination of transmission rate of volatile liquids (gravimetric technique) (ISO 6179:2010; EN ISO 6179:2010)
- HRN EN ISO 9554:2010 en pr  
Vlaknasta užad – Opće specifikacije (ISO 9554:2010; EN ISO 9554:2010)  
Fibre ropes – General specifications (ISO 9554:2010; EN ISO 9554:2010)
- HRN EN ISO 12952-1:2010 en pr  
Tekstil – Ocjenjivanje zapaljivosti posteljnog rublja – 1. dio: Izvor zapaljenja: tinjajuća cigareta (ISO 12952-1:2010; EN ISO 12952-1:2010)  
Textiles – Assessment of the ignitability of bedding items – Part 1: Ignition source: smouldering cigarette (ISO 12952-1:2010; EN ISO 12952-1:2010)
- HRN EN ISO 12952-2:2010 en pr  
Tekstil – Ocjenjivanje zapaljivosti posteljnog rublja – 2. dio: Izvor zapaljenja: istovjetan plamenu šibice (ISO 12952-2:2010; EN ISO 12952-2:2010)  
Textiles – Assessment of the ignitability of bedding items – Part 2: Ignition source: match-flame equivalent (ISO 12952-2:2010; EN ISO 12952-2:2010)
- HRN EN ISO 14419:2010 en pr  
Tekstil – Nepropusnost na ulje – Otpornost na ugljikovodike (ISO 14419:2010; EN ISO 14419:2010)  
Textiles – Oil repellency – Hydrocarbon resistance test (ISO 14419:2010; EN ISO 14419:2010)
- HRN EN ISO 15487:2010 en pr  
Tekstil – Metoda ocjenjivanja izgleda odjeće i drugih gotovih tekstilnih proizvoda nakon pranja i sušenja u kućanstvu (ISO 15487:2009; EN ISO 15487:2010)  
Textiles – Method for assessing appearance of apparel and other textile end products after domestic washing and drying (ISO 15487:2009; EN ISO 15487:2010)
- HRN EN 15619:2010 en pr  
Tkanine presvučene gumom ili plastičnim masama – Sigurnost privremenih građevina (šatori) – Specifikacije za presvučene tkanine namijenjene za šatore i slične građevine (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 (EN 15619:2008+A1:2010)
- HRN EN 15930:2010 en pr  
Vlakna – Elastičnost vlakana – Metode ispitivanja (EN 15930:2010)  
Fibres – Elasticity of fibres – Test methods (EN 15930:2010)

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

- HRN EN 14359:2010 en pr  
Akumulacijski spremnici punjeni plinom za hidraulične pogonske sustave (EN 14359:2006+A1:2010)  
Gas-loaded accumulators for fluid power applications (EN 14359:2006+A1:2010)

### **HZN/TO 562, *Alatni strojevi i alati***

- HRN EN 201:2010 en pr  
Strojevi za plastiku i gumu – Strojevi za injekcijsko ubrizgavanje – Sigurnosni zahtjevi (EN 201:2009)  
Plastics and rubber machines – Injection moulding machines – Safety requirements (EN 201:2009)

- HRN EN 422:2010 en pr  
Strojevi za plastiku i gumu – Sigurnost – Strojevi za puhanje u kalupe namijenjeni za proizvodnju šupljih artikala – Zahtjevi za oblikovanje i konstrukciju (EN 422:2009)  
Plastics and rubber machines – Blow moulding machines – Safety requirements (EN 422:2009)
- HRN EN 848-1:2010 en pr  
Sigurnost strojeva za obradu drva – Jednostrani strojevi za oblikovanje kalupa rotirajućim alatom – 1. dio: Jednovretni strojevi za vertikalno oblikovanje kalupa (EN 848-1:2007+A1:2009)  
Safety of woodworking machines – One side moulding machines with rotating tool – Part 1: Single spindle vertical moulding machines (EN 848-1:2007+A1:2009)
- HRN EN 848-2:2010 en pr  
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 848-2:2007+A1:2009)  
Safety of woodworking machines – One side moulding machines with rotating tool – Part 2: Single spindle hand fed/integrated fed routing machines (EN 848-2:2007+A1:2009)
- HRN EN 848-3:2010 en pr  
Sigurnost strojeva za obradu drva – Jednostrani strojevi za oblikovanje kalupa rotirajućim alatom – 3. dio: Numeričko upravljani strojevi (NC) za bušenje i vođenje po krivulji (EN 848-3:2007+A2:2009)  
Safety of woodworking machines – One side moulding machines with rotating tools – Part 3: Numerically controlled (NC) boring and routing machines (EN 848-3:2007+A2:2009)
- HRN EN 859:2010 en pr  
Sigurnost strojeva za obradu drva – Ručno vođeni strojevi za blanjanje površine (EN 859:2007+A1:2009)  
Safety of woodworking machines – Hand fed surface planing machines (EN 859:2007+A1:2009)
- HRN EN 860:2010 en pr  
Sigurnost strojeva za obradu drva – Strojevi za jednostrano blanjanje (EN 860:2007+A1:2009)  
Safety of woodworking machines – One side thickness planing machines (EN 860:2007+A1:2009)
- HRN EN 861:2010 en pr  
Sigurnost strojeva za obradu drva – Strojevi za blanjanje površina i blanjanje na debljinu (EN 861:2007+A1:2009)  
Safety of woodworking machines – Surface planing and thicknessing machines (EN 861:2007+A1:2009)
- HRN EN 940:2010 en pr  
Sigurnost strojeva za obradu drva – Kombinirani strojevi za obradu drva (EN 940:2009)  
Safety of woodworking machines – Combined woodworking machines (EN 940:2009)
- HRN EN 1218-1:2010 en pr  
Sigurnost strojeva za obradu drva – Strojevi za izradu rukavaca – 1. dio: Strojevi za jednostranu izradu rukavaca s pomičnim stolom (EN 1218-1:1999+A1:2009)  
Safety of woodworking machines – Tenoning machines – Part 1: Single end tenoning machines with sliding table (EN 1218-1:1999+A1:2009)
- HRN EN 1218-2:2010 en pr  
Sigurnost strojeva za obradu drva – Strojevi za izradu rukavaca – 2. dio: Strojevi za dvostranu izradu rukavaca i/ili profiliranje pogonjeni lancem ili lancima (EN 1218-2:2004+A1:2009)  
Safety of woodworking machines – Tenoning machines – Part 2: Double end tenoning and/or profiling machines fed by chain or chains (EN 1218-2:2004+A1:2009)
- HRN EN 1218-3:2010 en pr  
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 1218-3:2001+A1:2009)  
Safety of woodworking machines – Tenoning machines – Part 3: Hand fed tenoning machines with sliding table for cutting structural timbers (EN 1218-3:2001+A1:2009)
- HRN EN 1218-4:2010 en pr  
Sigurnost strojeva za obradu drva – Strojevi za izradu rukavaca – 4. dio: Strojevi za savijanje bridova pogonjeni lancem (lancima) (EN 1218-4:2004+A2:2009)  
Safety of woodworking machines – Tenoning machines – Part 4: Edge banding machines fed by chain(s) (EN 1218-4:2004+A2:2009)
- HRN EN 1218-5:2010 en pr  
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 1218-5:2004+A1:2009)  
Safety of woodworking machines – Tenoning machines – Part 5: One side profiling machines with fixed table and feed rollers or feed chain (EN 1218-5:2004+A1:2009)
- HRN EN 1807:2010 en pr  
Sigurnost strojeva za obradu drva – Tračne pile (EN 1807:1999+A1:2009)  
Safety of woodworking machines – Band sawing machines (EN 1807:1999+A1:2009)
- HRN EN 1870-4:2010 en pr  
Sigurnost strojeva za obradu drva – Kružne pile – 4. dio: Višelisne pile s ručnim ulaganjem i/ili prihvaćanjem gotovog obratka (EN 1870-4:2001+A1:2009)  
Safety of woodworking machines – Circular sawing machines – Part 4: Multiblade rip sawing machines with manual loading and/or unloading (EN 1870-4:2001+A1:2009)
- HRN EN 1870-5:2010 en pr  
Sigurnost strojeva za obradu drva – Kružne pile – 5. dio: Kružne pile sa stolovima/potezno-poprečne pile (EN 1870-5:2002+A1:2009)  
Safety of woodworking machines – Circular sawing machines – Part 5: Circular sawbenches/up-cutting cross-cut sawing machines (EN 1870-5:2002+A1:2009)
- HRN EN 1870-6:2010 en pr  
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 1870-6:2002+A1:2009)  
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 (EN 1870-6:2002+A1:2009)
- HRN EN 1870-7:2010 en pr  
Sigurnost strojeva za obradu drveta – Kružne pile – 7. dio: Kružne pile za trupce s jednom pilom, s ugrađenim posmakom stola i ručnim ulaganjem i/ili odlaganjem (EN 1870-7:2002+A1:2009)  
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 1870-7:2002+A1:2009)
- HRN EN 1870-8:2010 en pr  
Sigurnost strojeva za obradu drveta – Kružne pile – 8. dio: Kružne pile za krajčenje i paranje s pogonom kružne pile i ručnim ulaganjem i/ili odlaganjem (EN 1870-8:2001+A1:2009)  
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 (EN 1870-8:2001+A1:2009)



- HRN EN 1870-9:2010 en pr  
Sigurnost strojeva za obradu drveta – Kružne pile – 9. dio: Kružne pile s dvije pile za poprečno rezanje s ugrađenim posmakom i ručnim ulaganjem i/ili odlaganjem (EN 1870-9:2000+A1:2009)  
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 1870-9:2000+A1:2009)
- HRN EN 1870-10:2010 en pr  
Sigurnost strojeva za obradu drveta – Kružne pile – 10. dio: Podstolne automatske i poluautomatske klatne pile (s jednom pilom) (EN 1870-10:2003+A1:2009)  
Safety of woodworking machines – Circular sawing machines – Part 10: Single blade automatic and semi-automatic up-cutting cross-cut sawing machines (EN 1870-10:2003+A1:2009)
- HRN EN 1870-11:2010 en pr  
Sigurnost strojeva za obradu drveta – Kružne pile – 11. dio: Poluautomatske i automatske horizontalne kružne pile za poprečno rezanje s jednom pilom (radijalni nosač pile) (EN 1870-11:2003+A1:2009)  
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 1870-11:2003+A1:2009)
- HRN EN 1870-12:2010 en pr  
Sigurnost strojeva za obradu drveta – Kružne pile – 12. dio: Klatne kružne pile za poprečno rezanje (EN 1870-12:2003+A1:2009)  
Safety of woodworking machines – Circular sawing machines – Part 12: Pendulum cross-cut sawing machines (EN 1870-12:2003+A1:2009)
- HRN EN 1870-13:2010 en pr  
Sigurnost strojeva za obradu drveta – Kružne pile – 13. dio: Horizontalne kružne pile za ploče s pritisnim uređajem (EN 1870-13:2007+A1:2009)  
Safety of woodworking machines – Circular sawing machines – Part 13: Horizontal beam panel sawing machines (EN 1870-13:2007+A1:2009)
- HRN EN 1870-14:2010 en pr  
Sigurnost strojeva za obradu drveta – Kružne pile – 14. dio: Vertikalne kružne pile za ploče (EN 1870-14:2007+A1:2009)  
Safety of woodworking machines – Circular sawing machines – Part 14: Vertical panel sawing machines (EN 1870-14:2007+A1:2009)
- HRN EN 1870-16:2010 en pr  
Sigurnost strojeva za obradu drveta – Kružne pile – 16. dio: Pile za V-rezanje (EN 1870-16:2005+A1:2009)  
Safety of woodworking machines – Circular sawing machines – Part 16: Double mitre sawing machines for V-cutting (EN 1870-16:2005+A1:2009)
- HRN EN 12622:2010 en pr  
Sigurnost alatnih strojeva – Hidraulične preše (tijesci) za kutno savijanje (EN 12622:2009)  
Safety of machine tools – Hydraulic press brakes (EN 12622:2009)
- HRN EN 12750:2010 en pr  
Safety of woodworking machines – Four-sided moulding machines (EN 12750:2001+A1:2009)
- HRN EN 12779:2010 en pr  
Safety of woodworking machines – Chip and dust extraction systems with fixed installation – Safety related performances and safety requirements (EN 12779:2004+A1:2009)
- HRN EN 13743:2010 en pr  
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Safety requirements for coated abrasive products (EN 13743:2009)
- HRN EN ISO 23125:2010 en pr  
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- HZN/TO 563, Sigurnost strojeva**
- HRN EN 453:2010 en pr  
Strojevi za preradu hrane – Miješalice za tijesto – Sigurnosni i higijenski zahtjevi (EN 453:2000+A1:2009)  
Food processing machinery – Dough mixers – Safety and hygiene requirements (EN 453:2000+A1:2009)
- HRN EN 454:2010 en pr  
Strojevi za preradu hrane – Planetarne miješalice – Sigurnosni i higijenski zahtjevi (EN 454:2000+A1:2009)  
Food processing machinery – Planetary mixers – Safety and hygiene requirements (EN 454:2000+A1:2009)
- HRN EN 1010-3:2010 en pr  
Safety of machinery – Safety requirements for the design and construction of printing and paper converting machines – Part 3: Cutting machines (EN 1010-3:2002+A1:2009)
- HRN EN 1010-4:2010 en pr  
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- HRN EN 1034-1:2010 en pr  
Safety of machinery – Safety requirements for the design and construction of paper making and finishing machines – Part 1: Common requirements (EN 1034-1:2000+A1:2010)
- HRN EN 1034-2:2010 en pr  
Safety of machinery – Safety requirements for the design and construction of paper making and finishing machines – Part 2: Barking drums (EN 1034-2:2005+A1:2009)
- HRN EN 1034-3:2010 en pr  
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- HRN EN 1034-4:2010 en pr  
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- HRN EN 1034-5:2010 en pr  
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- HRN EN 1034-6:2010 en pr  
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- HRN EN 1034-7:2010 en pr  
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- HRN EN 1034-14:2010 en pr  
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- HRN EN 1034-22:2010 en pr  
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- HRN EN 1539:2010 en pr  
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Dryers and ovens, in which flammable substances are released – Safety requirements (EN 1539:2009)
- HRN EN 1673:2010 en pr  
Strojevi za preradu hrane – Rotirajuće etažne peći – Sigurnosni i higijenski zahtjevi (EN 1673:2000+A1:2009)  
Food processing machinery – Rotary rack ovens – Safety and hygiene requirements (EN 1673:2000+A1:2009)
- HRN EN 1674:2010 en pr  
Strojevi za preradu hrane – Stroj za dijeljenje tijesta i peciva – Sigurnosni i higijenski zahtjevi (EN 1674:2000+A1:2009)  
Food processing machinery – Dough and pastry brakes – Safety and hygiene requirements (EN 1674:2000+A1:2009)
- HRN EN 1678:2010 en pr  
Strojevi za preradu hrane – Strojevi za rezanje povrća – Sigurnosni i higijenski zahtjevi (EN 1678:1998+A1:2010)  
Food processing machinery – Vegetable cutting machines – Safety and hygiene requirements (EN 1678:1998+A1:2010)
- HRN EN 1953:2010 en pr  
Oprema za raspršivanje i nastrcavanje pri prevlačenju materijala – Sigurnosni zahtjevi (EN 1953:1998+A1:2009)  
Atomising and spraying equipment for coating materials – Safety requirements (EN 1953:1998+A1:2009)
- HRN EN 1974:2010 en pr  
Strojevi za preradu hrane – Strojevi za rezanje – Sigurnosni i higijenski zahtjevi (EN 1974:1998+A1:2009)  
Food processing machinery – Slicing machines – Safety and hygiene requirements (EN 1974:1998+A1:2009)
- HRN EN ISO 11161:2008/A1:2010 en pr  
Safety of machinery – Integrated manufacturing systems – Basic requirements – Amendment 1 (ISO 11161:2007/Amd 1:2010; EN ISO 11161:2007/A1:2010)
- HRN EN 12267:2010 en pr  
Strojevi za preradu hrane – Strojevi s kružnom pilom – Sigurnosni i higijenski zahtjevi (EN 12267:2003+A1:2010)  
Food processing machinery – Circular saw machines – Safety and hygiene requirements (EN 12267:2003+A1:2010)
- HRN EN 12268:2010 en pr  
Strojevi za preradu hrane – Strojevi s tračnim pilama – Sigurnosni i higijenski zahtjevi (EN 12268:2003+A1:2010)  
Food processing machinery – Band saw machines – Safety and hygiene requirements (EN 12268:2003+A1:2010)
- HRN EN 12331:2010 en pr  
Strojevi za preradu hrane – Strojevi za mljevenje – Sigurnosni i higijenski zahtjevi (EN 12331:2003+A2:2010)  
Food processing machinery – Mincing machines – Safety and hygiene requirements (EN 12331:2003+A2:2010)
- HRN EN 12355:2010 en pr  
Strojevi za preradu hrane – Strojevi za odvajanje/ljuštenje kože i odvajanje mesnog dijela – Sigurnosni i higijenski zahtjevi (EN 12355:2003+A1:2010)  
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- HRN EN 12505:2010 en pr  
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- Food processing machinery – Centrifugal machines for processing edible oils and fats – Safety and hygiene requirements (EN 12505:2000+A1:2009)
- HRN EN 12581:2010 en pr  
Postrojenja za premazivanje – Strojevi za premazivanje umakanjem i elektronanošenjem organskih premaznih materijala – Sigurnosni zahtjevi (EN 12581:2005+A1:2010)  
Coating plants – Machinery for dip coating and electrodeposition of organic liquid coating material – Safety requirements (EN 12581:2005+A1:2010)
- HRN EN 12621:2010 en pr  
Strojevi za dopremu i protok materijala za nanošenje pod tlakom – Sigurnosni zahtjevi (EN 12621:2006+A1:2010)  
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- HRN EN 12753:2010 en pr  
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- HRN EN 12757-1:2010 en pr  
Strojevi za miješanje materijala za prevlačenje – Sigurnosni zahtjevi – 1. dio: Strojevi za miješanje za uporabu pri obnovi vozila (EN 12757-1:2005+A1:2010)  
Mixing machinery for coating materials – Safety requirements – Part 1: Mixing machinery for use in vehicle refinishing (EN 12757-1:2005+A1:2010)
- HRN EN 12851:2010 en pr  
Strojevi za preradu hrane – Priklučci za dobavljanje hrane na strojevima sa pomoćnim pogonom – Sigurnosni i higijenski zahtjevi (EN 12851:2005+A1:2010)  
Food processing machinery – Catering attachments for machines having an auxiliary drive hub – Safety and hygiene requirements (EN 12851:2005+A1:2010)
- HRN EN 12852:2010 en pr  
Strojevi za preradu hrane – Prerađivači hrane i miješalice – Sigurnosni i higijenski zahtjevi (EN 12852:2001+A1:2010)  
Food processing machinery – Food processors and blenders – Safety and hygiene requirements (EN 12852:2001+A1:2010)
- HRN EN 12853:2010 en pr  
Strojevi za preradu hrane – Ručne mješalice i pjenjače – Sigurnosni i higijenski zahtjevi (EN 12853:2001+A1:2010)  
Food processing machinery – Hand-held blenders and whisks – Safety and hygiene requirements (EN 12853:2001+A1:2010)
- HRN EN 12854:2010 en pr  
Strojevi za preradu hrane – Konzolne miješalice – Sigurnosni i higijenski zahtjevi (EN 12854:2003+A1:2010)  
Food processing machinery – Beam mixers – Safety and hygiene requirements (EN 12854:2003+A1:2010)
- HRN EN 12855:2010 en pr  
Strojevi za preradu hrane – Rezači s rotirajućom posudom – Sigurnosni i higijenski zahtjevi (EN 12855:2003+A1:2010)  
Food processing machinery – Rotating bowl cutters – Safety and hygiene requirements (EN 12855:2003+A1:2010)
- HRN EN 12921-1:2010 en pr  
Strojevi za čišćenje i predobradbu površina industrijskih dijelova primjenom tekućina ili para – 1. dio: Opći sigurnosni zahtjevi (EN 12921-1:2005+A1:2010)  
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- HRN EN 12984:2010 en pr  
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- HRN EN 13023:2010 en pr  
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- HRN EN 13208:2010 en pr  
Strojevi za preradu hrane – Strojevi za guljenje povrća – Sigurnosni i higijenski zahtjevi (EN 13208:2003+A1:2010)  
Food processing machinery – Vegetable peelers – Safety and hygiene requirements (EN 13208:2003+A1:2010)
- HRN EN 13288:2010 en pr  
Strojevi za preradu hrane – Strojevi za podizanje i nagibanje zdjela – Sigurnosni i higijenski zahtjevi (EN 13288:2005+A1:2009)  
Food processing machinery – Bowl lifting and tilting machines – Safety and hygiene requirements (EN 13288:2005+A1:2009)
- HRN EN 13389:2010 en pr  
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Food processing machinery – Mixers with horizontal shafts – Safety and hygiene requirements (EN 13389:2005+A1:2009)
- HRN EN 13390:2010 en pr  
Strojevi za preradu hrane – Strojevi za pite i kolače – Sigurnosni i higijenski zahtjevi (EN 13390:2002+A1:2009)  
Food processing machinery – Pie and tart machines – Safety and hygiene requirements (EN 13390:2002+A1:2009)
- HRN EN 13534:2010 en pr  
Strojevi za preradu hrane – Strojevi za soljenje injektiranjem – Sigurnosni i higijenski zahtjevi (EN 13534:2006+A1:2010)  
Food processing machinery – Curing injection machines – Safety and hygiene requirements (EN 13534:2006+A1:2010)
- HRN EN 13570:2010 en pr  
Strojevi za preradu hrane – Miješalice i strojevi za miješanje – Sigurnosni i higijenski zahtjevi (EN 13570:2005+A1:2010)  
Food processing machinery – Mixing machines – Safety and hygiene requirements (EN 13570:2005+A1:2010)
- HRN EN 13591:2010 en pr  
Strojevi za preradu hrane – Ubacivači u peć s fiksiranim poklopcem – Sigurnosni i higijenski zahtjevi (EN 13591:2005+A1:2009)  
Food processing machinery – Fixed deck oven loaders – Safety and hygiene requirements (EN 13591:2005+A1:2009)
- HRN EN 13621:2010 en pr  
Strojevi za preradu hrane – Sušilice za salatu – Sigurnosni i higijenski zahtjevi (EN 13621:2004+A1:2010)  
Food processing machinery – Salad dryers – Safety and hygiene requirements (EN 13621:2004+A1:2010)
- HRN EN ISO 13855:2010 en pr  
Safety of machinery – Positioning of safeguards with respect to the approach speeds of parts of the human body (ISO 13855:2010; EN ISO 13855:2010)
- HRN EN 13870:2010 en pr  
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Food processing machinery – Chop cutting machines – Safety and hygiene requirements (EN 13870:2005+A1:2010)
- HRN EN 13871:2010 en pr  
Strojevi za preradu hrane – Strojevi za rezanje na kocke – Sigurnosni i higijenski zahtjevi (EN 13871:2005+A1:2010)  
Food processing machinery – Cubes cutting machinery – Safety and hygiene requirements (EN 13871:2005+A1:2010)
- HRN EN 13885:2010 en pr  
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Food processing machinery – Clipping machines – Safety and hygiene requirements (EN 13885:2005+A1:2010)
- HRN EN 13886:2010 en pr  
Strojevi za preradu hrane – Kotlovi za kuhanje opremljeni mješačima i/ili miješalicama – Sigurnosni i higijenski zahtjevi (EN 13886:2005+A1:2010)  
Food processing machinery – Cooking kettles equipped with powered stirrer and/or mixer – Safety and hygiene requirements (EN 13886:2005+A1:2010)
- HRN EN 13954:2010 en pr  
Strojevi za preradu hrane – Rezači kruha – Sigurnosni i higijenski zahtjevi (EN 13954:2005+A1:2010)  
Food processing machinery – Bread slicers – Safety and hygiene requirements (EN 13954:2005+A1:2010)
- HRN EN ISO 14122-1:2008/A1:2010 en pr  
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 14122-1:2001/A1:2010)  
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- HRN EN ISO 14122-2:2008/A1:2010 en pr  
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- HRN EN ISO 14122-3:2008/A1:2010 en pr  
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- HRN EN 14655:2010 en pr  
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Food processing machinery – Baguette slicers – Safety and hygiene requirements (EN 14655:2005+A1:2010)

- HRN EN 14957:2010 en pr  
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- HRS CEN/TS 15366:2010 en pr  
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- HRN EN 15597-1:2010 en pr  
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- HRN ISO 1738:2010 en pr  
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- HRN ISO 1739:2010 en pr  
Maslac – Određivanje indeksa refrakcije masti (Referentna metoda) (ISO 1739:2006)  
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- HRN ISO 1740:2010 en pr  
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- HRN ISO 2911:2010 en pr  
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Sweetened condensed milk – Determination of sucrose content – Polarimetric method (ISO 2911:2004)
- HRN ISO 2962:2010 en pr  
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- HRN ISO 3728:2010 en pr  
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- HRN ISO 3890-1:2010 en pr  
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- HRN ISO 3890-2:2010 en pr  
Mlijeko i mliječni proizvodi – Određivanje ostataka organoklorinih spojeva (pesticida) – 2. dio: Metode ispitivanja za pročišćavanje sirovog ekstrakta i potvrdu (ISO 3890-2:2009)  
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- HRN ISO 5536:2010 en pr  
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Milk fat products – Determination of water content – Karl Fischer method (ISO 5536:2009)
- HRN ISO 5538:2010 en pr  
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Milk and milk products – Sampling – Inspection by attributes (ISO 5538:2004)

- HRN ISO 5543:2010 en pr  
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- HRN ISO 5546:2010 en pr  
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- HRN ISO 5548:2010 en pr  
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- HRN ISO 5738:2010 en pr  
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- HRS ISO/TS 6090:2010 en pr  
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- HRN ISO 6091:2010 en pr  
Mlijeko u prahu – Određivanje titracijske kiselosti (Referentna metoda) (ISO 6091:2010)  
Dried milk – Determination of titratable acidity (Reference method) (ISO 6091:2010)
- HRN ISO 6611:2010 en pr  
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- HRN ISO 6730:2010 en pr  
Mlijeko – Brojenje jedinica psihrotrofnih mikroorganizama koji formiraju koloniju – Brojenje kolonija pri 6,5 °C (ISO 6730:2005)  
Milk – Enumeration of colony-forming units of psychrotrophic microorganisms – Colony-count technique at 6,5 degrees C (ISO 6730:2005)
- HRN ISO 6732:2010 en pr  
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- HRN ISO 7238:2010 en pr  
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- HRN ISO 8070:2010 en pr  
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- HRN ISO 8086:2010 en pr  
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- HRN ISO 8156:2010 en pr  
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- HRN ISO 8196-1:2010 en pr  
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- HRN ISO 8196-2:2010 en pr  
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- HRN ISO 8196-3:2010 en pr  
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- HRN ISO 8262-2:2010 en pr  
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- HRN ISO 8262-3:2010 en pr  
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- HRN ISO 8552:2010 en pr  
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- HRN ISO 8553:2010 en pr  
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- HRN ISO 8851-1:2010 en pr  
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- HRN ISO 8851-2:2010 en pr  
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- HRN ISO 8851-3:2010 en pr  
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- HRN ISO 10932:2010 en pr  
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- HRN ISO 11813:2010 en pr  
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- HRN ISO 11865:2010 en pr  
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- HRN ISO 11866-1:2010 en pr  
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- HRN ISO 13559:2010 en pr  
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- HRN ISO 13580:2010 en pr  
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- HRN ISO 13875:2010 en pr  
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- HRN ISO 14461-1:2010 en pr  
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- HRN ISO 16305:2010 en pr  
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- HRN ISO 17997-1:2010 en pr  
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- HRN ISO 17997-2:2010 en pr  
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- HRN ISO 18329:2010 en pr  
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- HRN ISO 22662:2010 en pr  
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- HRS ISO/TS 22964:2010 en pr  
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- HRN ISO 26462:2010 en pr  
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- HRS ISO/TS 26844:2010 en pr  
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- HRS ISO/TS 27105:2010 en pr  
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- HRS ISO/TS 27106:2010 en pr  
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- HRN ISO 27205:2010 en pr  
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- HRN ISO 29981:2010 en pr  
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- HRN EN 50532:2010 en pr  
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- HRN EN 60947-4-1:2010 en pr  
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- HRN EN 60947-7-2:2010 en pr  
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- HRN EN 60947-7-3:2010 en pr  
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- HRN EN 61095:2010 en pr  
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- HRN EN 62271-1:2010 en pr  
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- HRN EN 62271-100:2010 en pr  
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- HRN EN 62271-109:2010 en pr  
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- HRN EN 62271-110:2010 en pr  
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- HRI CLC/TR 62271-208:2010 en pr  
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- HRI CLC/TR 62271-303:2010 en pr  
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- HZN/TO E20, Električni kabe**
- HRN HD 620 S2:2010 en pr  
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- HRN EN 50397-2:2010 en pr  
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- HRN EN 50397-3:2010 en pr  
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- HRN EN 60332-3-21:2010 en pr  
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- HRN EN 60332-3-22:2010 en pr  
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conditions – Part 3-22: Test for vertical flame spread  
of vertically-mounted bunched wires or cables –  
Category A (IEC 60332-3-22:2000+am1:2008;  
EN 60332-3-22:2009)
- HRN EN 60332-3-23:2010 en pr  
Ispitivanje električnih i svjetlovodnih kabela pod  
djelovanjem vatre – Dio 3-23: Ispitivanje na uspravno  
širenje plamena na snopu uspravno položenih vodova  
ili kabela – Vrsta ispitivanja B  
(IEC 60332-3-23:2000+am1:2008;  
EN 60332-3-23:2009)  
Tests on electric and optical fibre cables under fire  
conditions – Part 3-23: Test for vertical flame spread  
of vertically-mounted bunched wires or cables –  
Category B (IEC 60332-3-23:2000+am1:2008;  
EN 60332-3-23:2009)
- HRN EN 60332-3-24:2010 en pr  
Ispitivanje električnih i svjetlovodnih kabela pod  
djelovanjem vatre – Dio 3-24: Ispitivanje na uspravno  
širenje plamena na snopu uspravno položenih vodova  
ili kabela – Vrsta ispitivanja C  
(IEC 60332-3-24:2000+am1:2008;  
EN 60332-3-24:2009)  
Tests on electric and optical fibre cables under fire  
conditions – Part 3-24: Test for vertical flame spread  
of vertically-mounted bunched wires or cables –  
Category C (IEC 60332-3-24:2000+am1:2008;  
EN 60332-3-24:2009)

HRN EN 60332-3-25:2010 en pr  
Ispitivanje električnih i svjetlovodnih kabela pod djelovanjem vatre – Dio 3-25: Ispitivanje na uspravno širenje plamena na snopu uspravno položenih vodova ili kabela – Vrsta ispitivanja D  
(IEC 60332-3-25:2000+am1:2008; EN 60332-3-25:2009)  
Tests on electric and optical fibre cables under fire conditions – Part 3-25: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category D (IEC 60332-3-25:2000+am1:2008; EN 60332-3-25:2009)

### **HZN/TO E31, *Eksplzivne atmosfere***

HRN EN 13463-1:2010 en pr  
Neelektrična oprema za potencijalno eksplozivne atmosfere – 1. dio: Osnovne metode i zahtjevi  
(EN 13463-1:2009)  
Non-electrical equipment for use in potentially explosive atmospheres – Part 1: Basic method and requirements (EN 13463-1:2009)

HRN EN 15089:2010 en pr  
Sustavi za izoliranje eksplozije (EN 15089:2009)  
Explosion isolation systems (EN 15089:2009)

### **HZN/TO E45, *Nuklearna instrumentacija***

HRN EN 60761-1:2010 en pr  
Oprema za kontinuirano nadziranje radioaktivnosti u plinovitim ispuštima – 1. dio: Opći zahtjevi  
(IEC 60761-1:2002, MOD; EN 60761-1:2004)  
Equipment for continuous monitoring radioactivity in gaseous effluents – Part 1: General requirements (IEC 60761-1:2002, MOD; EN 60761-1:2004)

HRN EN 60761-2:2010 en pr  
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 60761-2:2004)  
Equipment for continuous monitoring radioactivity in gaseous effluents – Part 2: Specific requirements for aerosols monitors including transuranic aerosols (IEC 60761-2:2002, MOD; EN 60761-2:2004)

HRN EN 60761-5:2010 en pr  
Oprema za kontinuirano praćenje radioaktivnosti u plinovitim ispuštima – 5. dio: Specifični zahtjevi za monitore za tricij (IEC 60761-5:2002, MOD; EN 60761-5:2004)  
Equipment for continuous monitoring radioactivity in gaseous effluents – Part 5: Specific requirements for tritium monitors (IEC 60761-5:2002, MOD; EN 60761-5:2004)

### **HZN/TO E56, *Pouzdanost***

HRN EN 31010:2010 en pr  
Upravljanje rizikom – Metode procjene rizika  
(IEC/ISO 31010:2009; EN 31010:2010)  
Risk management – Risk assessment techniques (IEC/ISO 31010:2009; EN 31010:2010)

HRN EN 60300-3-11:2010 en pr  
Upravljanje pouzdanošću – Dio 3-11: Upute za primjenu – Održavanje s naglaskom na pouzdanost  
(IEC 60300-3-11:2009; EN 60300-3-11:2009)  
Dependability management – Part 3-11: Application guide – Reliability centred maintenance (IEC 60300-3-11:2009; EN 60300-3-11:2009)

HRN EN 60300-3-15:2010 en pr  
Upravljanje pouzdanošću – Dio 3-15: Upute za primjenu – Tehnike povećanja pouzdanosti sustava  
(IEC 60300-3-15:2009; EN 60300-3-15:2009)  
Dependability management – Part 3-15: Application guide – Engineering of system dependability (IEC 60300-3-15:2009; EN 60300-3-15:2009)

HRN EN 61907:2010 en pr  
Unapređenje pouzdanosti komunikacijskih mreža  
(IEC 61907:2009; EN 61907:2010)  
Communication network dependability engineering (IEC 61907:2009; EN 61907:2010)

HRN EN 62402:2010 en pr  
Upravljanje starenjem opreme – Upute za primjenu  
(IEC 62402:2007; EN 62402:2007)  
Obsolescence management – Application guide (IEC 62402:2007; EN 62402:2007)

HRN EN 62429:2010 en pr  
Povećanje pouzdanosti – Otkrivanje početnih kvarova jedinstvenih složenih sustava podvrgavanjem naprezanjima (IEC 62429:2007; EN 62429:2008)  
Reliability growth – Stress testing for early failures in unique complex systems (IEC 62429:2007; EN 62429:2008)

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

HRN EN 60601-2-19:2010 en pr  
Medicinski električni uređaji – Dio 2-19: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke inkubatora za novorođenčad (IEC 60601-2-19:2009; EN 60601-2-19:2009)  
Medical electrical equipment – Part 2-19: Particular requirements for the basic safety and essential performance of infant incubators (IEC 60601-2-19:2009; EN 60601-2-19:2009)

HRN EN 60601-2-20:2010 en pr  
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 60601-2-20:2009)  
Medical electrical equipment – Part 2-20: Particular requirements for the basic safety and essential performance of infant transport incubators (IEC 60601-2-20:2009; EN 60601-2-20:2009)

HRN EN 60601-2-21:2010 en pr  
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 60601-2-21:2009)  
Medical electrical equipment – Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers (IEC 60601-2-21:2009; EN 60601-2-21:2009)

HRN EN 60601-2-2:2010 en pr  
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 60601-2-2:2009)  
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; EN 60601-2-2:2009)

HRN EN 60601-2-29:2010 en pr  
Medicinski električni uređaji – Dio 2-29: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke radioterapijskih simulatora (IEC 60601-2-29:2008; EN 60601-2-29:2008)  
Medical electrical equipment – Part 2-29: Particular requirements for the basic safety and essential performance of radiotherapy simulators (IEC 60601-2-29:2008; EN 60601-2-29:2008)

HRN EN 60601-2-41:2010 en pr  
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 60601-2-41:2009)



- 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; EN 60601-2-41:2009)
- HRN EN 60601-2-44:2010 en pr  
 Medicinska električna oprema – Dio 2-44: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke rendgenske opreme za kompjutoriziranu tomografiju (IEC 60601-2-44:2009+Corr.1:2010; EN 60601-2-44:2009)  
 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; EN 60601-2-44:2009)
- HRN EN 60601-2-50:2010 en pr  
 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 60601-2-50:2009)  
 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; EN 60601-2-50:2009)
- HRN EN 60601-2-54:2010 en pr  
 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 60601-2-54:2009)  
 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; EN 60601-2-54:2009)
- HRN EN 61676:2003/A1:2010 en pr  
 Medicinska električna oprema – Uređaji za neinvazivno mjerenje zračenja rendgenske cijevi u dijagnostičkoj radiologiji (IEC 61676:2002/am1:2008; EN 61676:2002/A1:2009)  
 Medical electrical equipment – Dosimetric instruments used for non-invasive measurement of X-ray tube voltage in diagnostic radiology (IEC 61676:2002/am1:2008; EN 61676:2002/A1:2009)
- HRN EN 62083:2010 en pr  
 Medicinska električna oprema – Zahtjevi za sigurnost radioterapijskih sustava za planiranje terapije (IEC 62083:2009; EN 62083:2009)  
 Medical electrical equipment – Requirements for the safety of radiotherapy treatment planning systems (IEC 62083:2009; EN 62083:2009)
- HRN EN 62494-1:2010 en pr  
 Medicinska električna oprema – Indeks izlaganja kod sustava digitalnih rendgenskih slikanja – 1. dio: Definicije i zahtjevi za opću radiografiju (IEC 62494-1:2008; EN 62494-1:2008)  
 Medical electrical equipment – Exposure index of digital X-ray imaging systems – Part 1: Definitions and requirements for general radiography (IEC 62494-1:2008; EN 62494-1:2008)
- HRN EN 80601-2-35:2010 en pr  
 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 80601-2-35:2009)  
 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; EN 80601-2-35:2009)
- HRN EN 80601-2-58:2010 en pr  
 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; EN 80601-2-58:2009)  
 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; EN 80601-2-58:2009)
- HZN/TO E64, Električne instalacije i zaštita od električnog udara**
- HRN EN 50110-2:2010 en pr  
 Pogon električnih postrojenja – 2. dio: Nacionalni dodaci (EN 50110-2:2010)  
 Operation of electrical installations – Part 2: National annexes (EN 50110-2:2010)
- HRN HD 60364-4-43:2010 en pr  
 Niskonaponske električne instalacije – Dio 4-43: Sigurnosna zaštita – Nadstrujna zaštita (IEC 60364-4-43:2008, MOD+Corr.1:2008; HD 60364-4-43:2010)  
 Low-voltage electrical installations – Part 4-43: Protection for safety – Protection against overcurrent (IEC 60364-4-43:2008, MOD+Corr.1:2008; HD 60364-4-43:2010)
- HRN HD 60364-5-55:2010 en pr  
 Niskonaponske električne instalacije – Dio 5-55: Odabir i ugradba električne opreme – Druga oprema – 551. točka: Niskonaponski električni izvori (IEC 60364-5-55:2001/A2:2008 (CLAUSE 551); HD 60364-5-55:2010)  
 Low-voltage electrical installations – Part 5-55: Selection and erection of electrical equipment – Other equipment – Clause 551: Low-voltage generating sets (IEC 60364-5-55:2001/A2:2008 (CLAUSE 551); HD 60364-5-55:2010)
- HRN HD 60364-5-56:2010 en pr  
 Niskonaponske električne instalacije – Dio 5-56: Odabir i ugradba električne opreme – Sigurnosne svrhe (IEC 60364-5-56:2009; HD 60364-5-56:2010)  
 Low-voltage electrical installations – Part 5-56: Selection and erection of electrical equipment – Safety services (IEC 60364-5-56:2009; HD 60364-5-56:2010)
- HRN HD 60364-7-717:2010 en pr  
 Niskonaponske električne instalacije – Dio 7-717: Zahtjevi za posebne instalacije i prostore – Pokretne ili prevozne jedinice (IEC 60364-7-717:2009, MOD; HD 60364-7-717:2010)  
 Low-voltage electrical installations – Part 7-717: Requirements for special installations and locations – Mobile or transportable units (IEC 60364-7-717:2009, MOD; HD 60364-7-717:2010)
- HZN/TO E65, Mjerenje, vođenje i automatizacija industrijskih procesa**
- HRN EN 61003-2:2010 en pr  
 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; EN 61003-2:2009)  
 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; EN 61003-2:2009)
- HRI CLC/TR 61158-1:2010 en pr  
 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; CLC/TR 61158-1:2008)

- Industrial communication networks – Fieldbus specifications – Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series (IEC/TR 61158-1:2007; CLC/TR 61158-1:2008)
- HRN EN 61158-2:2010 en pr  
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – 2. dio: Specifikacija fizičkog sloja OSI referentnog modela i definicija usluge (IEC 61158-2:2007; EN 61158-2:2008)  
Industrial communication networks – Fieldbus specifications – Part 2: Physical layer specification and service definition (IEC 61158-2:2007; EN 61158-2:2008)
- HRN EN 61298-1:2010 en pr  
Uređaji za procesno mjerenje i vođenje – Opće metode i postupci ocjenjivanja djelovanja – 1. dio: Opće pretpostavke (IEC 61298-1: 2008; EN 61298-1:2008)  
Process measurement and control devices – General methods and procedures for evaluating performance – Part 1: General considerations (IEC 61298-1: 2008; EN 61298-1:2008)
- HRN EN 61298-2:2010 en pr  
Uređaji za procesno mjerenje i vođenje – Opće metode i postupci ocjenjivanja djelovanja – 2. dio: Ispitivanja pri referentnim uvjetima (IEC 61298-2: 2008; EN 61298-2:2008)  
Process measurement and control devices – General methods and procedures for evaluating performance – Part 2: Tests under reference conditions (IEC 61298-2: 2008; EN 61298-2:2008)
- HRN EN 61298-3:2010 en pr  
Uređaji za procesno mjerenje i vođenje – Opće metode i postupci ocjenjivanja djelovanja – 3. dio: Ispitivanja učinaka utjecajnih veličina (IEC 61298-3: 2008; EN 61298-3:2008)  
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; EN 61298-3:2008)
- HRN EN 61298-4:2010 en pr  
Uređaji za procesno mjerenje i vođenje – Opće metode i postupci ocjenjivanja djelovanja – 4. dio: Sadržaj izvještaja o ocjenjivanju (IEC 61298-4: 2008; EN 61298-4:2008)  
Process measurement and control devices – General methods and procedures for evaluating performance – Part 4: Evaluation report content (IEC 61298-4: 2008; EN 61298-4:2008)
- HRN EN 61508-1:2010 en pr  
Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 1. dio: Opći zahtjevi (IEC 61508-1:2010; EN 61508-1:2010)  
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 1: General requirements (IEC 61508-1:2010; EN 61508-1:2010)
- HRN EN 61508-2:2010 en pr  
Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 2. dio: Zahtjevi za električne/elektroničke/programirljive elektroničke sigurnosne sustave (IEC 61508-2:2010; EN 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 61508-2:2010; EN 61508-2:2010)
- HRN EN 61508-3:2010 en pr  
Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 3. dio: Zahtjevi za softver (IEC 61508-3:2010; EN 61508-3:2010)
- Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 3: Software requirements (IEC 61508-3:2010; EN 61508-3:2010)
- HRN EN 61508-4:2010 en pr  
Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 4. dio: Definicije i kratice (IEC 61508-4:2010; EN 61508-4:2010)  
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 4: Definitions and abbreviations (IEC 61508-4:2010; EN 61508-4:2010)
- HRN EN 61508-5:2010 en pr  
Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 5. dio: Primjeri metoda za određivanje razina nepovredivosti sigurnosti (IEC 61508-5:2010; EN 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 61508-5:2010; EN 61508-5:2010)
- HRN EN 61508-6:2010 en pr  
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 61508-6:2010)  
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 61508-6:2010; EN 61508-6:2010)
- HRN EN 61508-7:2010 en pr  
Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 7. dio: Pregled tehnika i mjera (IEC 61508-7:2010; EN 61508-7:2010)  
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 7: Overview of techniques and measures (IEC 61508-7:2010; EN 61508-7:2010)
- HRN EN 61804-2:2010 en pr  
Funkcijski blokovi (FB) za vođenje procesa – 2. dio: Specifikacija koncepcije funkcijskih blokova (IEC 61804-2:2006; EN 61804-2:2007)  
Function blocks (FB) for process control – Part 2: Specification of FB concept (IEC 61804-2:2006; EN 61804-2:2007)
- HRN EN 61987-10:2010 en pr  
Mjerenje i vođenje industrijskih procesa – Strukture podataka i elemenata u katalogima procesne opreme – 10. dio: Popisi svojstava (LOPs) za mjerenje i vođenje industrijskih procesa za elektroničku izmjenu podataka – Osnove (IEC 61987-10:2009; EN 61987-10:2009)  
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; EN 61987-10:2009)
- HRN EN 62419:2010 en pr  
Tehnologija vođenja – Pravila označavanja mjernih instrumenata (IEC 62419:2008; EN 62419:2009)  
Control technology – Rules for the designation of measuring instruments (IEC 62419:2008; EN 62419:2009)
- HRN EN 62453-1:2010 en pr  
Specifikacija sučelja alata za uređaje u postrojenju (FDT) – 1. dio: Pregled i upute (IEC 62453-2:2009; EN 62453-1:2009)  
Field device tool (FDT) interface specification – Part 1: Overview and guidance (IEC 62453-2:2009; EN 62453-1:2009)



- HRN EN 62453-2:2010 en pr  
 Specifikacija sučelja alata za uređaje u postrojenju (FDT) – 2. dio: Konceptije i detaljan opis (IEC 62453-2:2009; EN 62453-2:2009)  
 Field device tool (FDT) interface specification – Part 2: Concepts and detailed description (IEC 62453-2:2009; EN 62453-2:2009)
- HRN EN 62453-301:2010 en pr  
 Specifikacija sučelja alata za uređaje u postrojenju (FDT) – 301. dio: Integracija komunikacijskog profila – IEC 61784 CPF 1 (IEC 62453-301:2009; EN 62453-301:2009)  
 Field device tool (FDT) interface specification – Part 301: Communication profile integration – IEC 61784 CPF 1 (IEC 62453-301:2009; EN 62453-301:2009)
- HRN EN 62453-302:2010 en pr  
 Specifikacija sučelja alata za uređaje u postrojenju (FDT) – 302. dio: Integracija komunikacijskog profila – IEC 61784 CPF 2 (IEC 62453-302:2009; EN 62453-302:2009)  
 Field device tool (FDT) interface specification – Part 302: Communication profile integration – IEC 61784 CPF 2 (IEC 62453-302:2009; EN 62453-302:2009)
- HRN EN 62453-303-1:2010 en pr  
 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 62453-303-1:2009)  
 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; EN 62453-303-1:2009)
- HRN EN 62453-303-2:2010 en pr  
 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 62453-303-2:2009)  
 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; EN 62453-303-2:2009)
- HRN EN 62453-306:2010 en pr  
 Specifikacija sučelja alata za uređaje u postrojenju (FDT) – Dio 306: Integracija komunikacijskog profila – IEC 61784 CPF 6 (IEC 62453-306:2009; EN 62453-306:2009)  
 Field device tool (FDT) interface specification – Part 306: Communication profile integration – IEC 61784 CPF 6 (IEC 62453-306:2009; EN 62453-306:2009)
- HRN EN 62453-309:2010 en pr  
 Specifikacija sučelja alata za uređaje u postrojenju (FDT) – Dio 309: Integracija komunikacijskog profila – IEC 61784 CPF 9 (IEC 62453-309:2009; EN 62453-309:2009)  
 Field device tool (FDT) interface specification – Part 309: Communication profile integration – IEC 61784 CPF 9 (IEC 62453-309:2009; EN 62453-309:2009)
- HRN EN 62453-315:2010 en pr  
 Specifikacija sučelja alata za uređaje u postrojenju (FDT) – Dio 315: Integracija komunikacijskog profila – IEC 61784 CPF 15 (IEC 62453-315:2009; EN 62453-315:2009)  
 Field device tool (FDT) interface specification – Part 315: Communication profile integration – IEC 61784 CPF 15 (IEC 62453-315:2009; EN 62453-315:2009)

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

- HRN IEC 60730-1:2010 en pr  
 Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 1. dio: Opći zahtjevi (IEC 60730-1:2010)  
 Automatic electrical controls for household and similar use – Part 1: General requirements (IEC 60730-1:2010)
- HRN EN 60730-2-15:2010 en pr  
 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 60730-2-15:2010)  
 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; EN 60730-2-15:2010)
- HRN EN 60730-2-5:2004/A2:2010 en pr  
 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; EN 60730-2-5:2002/A2:2010)  
 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; EN 60730-2-5:2002/A2:2010)

## HZN/TO E76, Sigurnost optičkoga zračenja i laserska oprema

- HRN EN 60825-2:2008/A2:2010 en pr  
 Sigurnost laserskih proizvoda – 2. dio: Sigurnost komunikacijskih sustava s optičkim vlaknima (KSOV) (IEC 60825-2:2004/am2:2010; EN 60825-2:2004/A2:2010)  
 Safety of laser products – Part 2: Safety of optical fibre communication systems (OFCS) (IEC 60825-2:2004/am2:2010; EN 60825-2:2004/A2:2010)
- HRN EN 60825-4:2008/A1:2010 en pr  
 Sigurnost laserskih proizvoda – 4. dio: Zaštita od lasera (IEC 60825-4:2006/am1:2008; EN 60825-4:2006/A1:2008)  
 Safety of laser products – Part 4: Laser guards (IEC 60825-4:2006/am1:2008; EN 60825-4:2006/A1:2008)
- HRN EN 62471:2010 en pr  
 Fotobiološka sigurnost lampi i sustava s lampama (IEC 62471:2006, MOD; EN 62471:2008)  
 Photobiological safety of lamps and lamp systems (IEC 62471:2006, MOD; EN 62471:2008)

## HZN/TO E79, Alarmni sustavi

- HRN EN 50131-1:2007/A1:2010 en pr  
 Alarmni sustavi – Protuprovalni i protuprepadni sustavi – 1. dio: Zahtjevi za sustave (EN 50131-1:2006/A1:2009)  
 Alarm systems – Intrusion and hold-up systems – Part 1: System requirements (EN 50131-1:2006/A1:2009)
- HRN EN 50131-2-3:2010 en pr  
 Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-3: Zahtjevi za mikrovalne detektore (EN 50131-2-3:2008)  
 Alarm systems – Intrusion and hold-up systems – Part 2-3: Requirements for microwave detectors (EN 50131-2-3:2008)

- HRN EN 50131-2-5:2010 en pr  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-5: Zahtjevi za kombinirane pasivne infracrvene i ultrazvučne detektore (EN 50131-2-5:2008)  
Alarm systems – Intrusion and hold-up systems – Part 2-5: Requirements for combined passive infrared and ultrasonic detectors (EN 50131-2-5:2008)
- HRN EN 50131-2-6:2010 en pr  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-6: Kontakti za detekciju otvaranja (magnetski) (EN 50131-2-6:2008)  
Alarm systems – Intrusion and hold-up systems – Part 2-6: Opening contacts (magnetic) (EN 50131-2-6:2008)
- HRN EN 50131-4:2010 en pr  
Alarmni sustavi – Protuprovalni i protuprovalni sustavi – 4. dio: Uređaji za upozorenje (EN 50131-4:2009)  
Alarm systems – Intrusion and hold-up systems – Part 4: Warning devices (EN 50131-4:2009)
- HRN EN 50131-5-3:2007/A1:2010 en pr  
Alarmni sustavi – Protuprovalni sustavi – Dio 5-3: Zahtjevi za opremu za međusobno spajanje primjenom radiofrekvencijske tehnike (EN 50131-5-3:2005/A1:2008)  
Alarm systems – Intrusion systems – Part 5-3: Requirements for interconnections equipment using radio frequency techniques (EN 50131-5-3:2005/A1:2008)
- HRS CLC/TS 50131-7:2010 en pr  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – 7. dio: Smjernice za primjenu (CLC/TS 50131-7:2008)  
Alarm systems – Intrusion and hold-up systems – Part 7: Application guidelines (CLC/TS 50131-7:2008)
- HRN EN 50131-8:2010 en pr  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – 8. dio: Uređaji i sustavi za zaštitnu maglu (EN 50131-8:2009)  
Alarm systems – Intrusion and hold-up systems – Part 8: Security fog device/systems (EN 50131-8:2009)
- HRN EN 50486:2010 en pr  
Oprema za primjenu u audio i video sustavima za otvaranje vrata (EN 50486:2008)  
Equipment for use in audio and video door-entry systems (EN 50486:2008)
- HRI CLC/TR 50515:2010 en pr  
Popis tumačenja u objavljenim normama iz „Alarmnih sustava“ (CLC/TR 50515:2008)  
List of interpretations on published standards on “Alarm Systems” (CLC/TR 50515:2008)
- HRI CLC/TR 50531:2010 en pr  
Alarmni sustavi – Nazivi i definicije (CLC/TR 50531:2009)  
Alarm systems – Terms and definitions (CLC/TR 50531:2009)

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

- HRN EN 61097-14:2010 en pr  
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 61097-14:2010)  
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; EN 61097-14:2010)
- HRN EN 61108-3:2010 en pr  
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 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 (IEC 61108-3:2010; EN 61108-3:2010)

- HRN EN 61162-3:2008/A1:2010 en pr  
Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Digitalna sučelja – 3. dio: Mreža instrumenata sa serijskim prijenosom podataka (IEC 61162-3:2008/am1:2010; EN 61162-3:2008/A1:2010)  
Maritime navigation and radiocommunication equipment and systems – Digital interfaces – Part 3: Serial data instrument network (IEC 61162-3:2008/am1:2010; EN 61162-3:2008/A1:2010)
- HRN EN 62616:2010 en pr  
Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Alarmni sustav navigacijske straže na mostu (BNWAS) (IEC 62616:2010; EN 62616:2010)  
Maritime navigation and radiocommunication equipment and systems – Bridge navigational watch alarm system (BNWAS) (IEC 62616:2010; EN 62616:2010)

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

- HRN ISO/IEC 11801:2009/A2:2010 en pr  
Informacijska tehnologija – Generičko kabliranje korisničkih prostora (ISO/IEC 11801:2008/am2:2010)  
Information technology – Generic cabling for customer premises (ISO/IEC 11801:2008/am2:2010)
- HRN ISO/IEC 14763-3:2009/A1:2010 en pr  
Informacijska tehnologija – Izvedba i pogon kabliranja korisničkih prostora – 3. dio: Ispitivanje svjetlovodnog kabliranja (ISO/IEC 14763-3:2006/am1:2009)  
Information technology – Implementation and operation of customer premises cabling – Part 3: Testing of optical fibre cabling (ISO/IEC 14763-3:2006/am1:2009)
- HRN ISO/IEC 15018:2009/A1:2010 en pr  
Informacijska tehnologija – Generičko kabliranje stambenih prostora (ISO/IEC 15018:2004/am1:2009)  
Information technology – Generic cabling for homes (ISO/IEC 15018:2004/am1:2009)
- HRN ISO/IEC 24702:2009/A1:2010 en pr  
Informacijska tehnologija – Generičko kabliranje – Industrijski prostori (ISO/IEC 24702:2006/am1:2009)  
Information technology – Generic cabling – Industrial premises (ISO/IEC 24702:2006/am1:2009)
- HRN ISO/IEC 24764:2010 en pr  
Informacijska tehnologija – Generički sustavi kabliranja podatkovnih centara (ISO/IEC 24764:2010)  
Information technology – Generic cabling systems for data centres (ISO/IEC 24764:2010)
- HRI CLC/TR 50173-99-2:2010 en pr  
Informacijska tehnologija – Implementacija (izvedba) BCT (Broadcast and Communication Technologies) aplikacija uporabom kabliranja u skladu s EN 50173-4 (CLC/TR 50173-99-2:2010)  
Information technology – Implementation of BCT applications using cabling in accordance with EN 50173-4 (CLC/TR 50173-99-2:2010)

### **HZN/TO T4, Normizacija u telekomunikacijama**

- HRI ETSI/TR 101 445 V1.1.1:2010 en pr  
Elektromagnetska kompatibilnost i radiospektar (ERM) – Uređaji kratkoga dometa (SRD) namijenjeni radu u pojasu od 862 MHz do 870 MHz – Referencijski dokument za sustav uređaja za radiofrekvencijsko prepoznavanje (RFID) (ETSI/TR 101 445 V1.1.1:2002)

- Electromagnetic compatibility and Radio spectrum Matters (ERM)—Short-Range Devices (SRD) intended for operation in the 862 MHz to 870 MHz band — System Reference Document for Radio Frequency Identification (RFID) equipment (ETSI/TR 101 445 V1.1.1:2002)
- HRI ETSI/TR 101 446 V1.1.1:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) — Referencijski dokument za sustav meteoroloških uređaja za pomoć (AIDS) na raspoloživoj meteorološkoj sondi koja radi u frekvencijskom području od 400, 15 MHz do 406 MHz (ETSI/TR 101 446 V1.1.1:2002) Electromagnetic compatibility and Radio spectrum Matters (ERM) — Meteorological AIDS devices — System reference document on disposable Meteorological Sonde operating in the 400,15 MHz to 406 MHz frequency range (ETSI/TR 101 446 V1.1.1:2002)
- HRI ETSI/TR 101 981 V1.2.1:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) — Uređaji kratkoga dometa (SRD) — Referencijski dokument za sustave aktivnih medicinskih implantata ultra male snage (ULP-AMI) s indukcijskom petljom koji rade u frekvencijskim pojasi od 9 kHz do 315 kHz (ETSI/TR 101 981 V1.2.1:2002) Electromagnetic compatibility and Radio spectrum Matters (ERM) — Short Range Devices (SRD) — System Reference Document for inductive Loop-Ultra Low Power Active Medical Implants (ULP-AMI) — systems operating in the frequency bands 9 kHz to 315 kHz (ETSI/TR 101 981 V1.2.1:2002)
- HRI ETSI/TR 101 982 V1.2.1:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) — Radijski uređaji za uporabu u pojasu od 24 GHz — Referencijski dokument za sustav radara kratkoga dometa za upozorenje na sudar automobila (ETSI/TR 101 982 V1.2.1:2002) Electromagnetic compatibility and Radio spectrum Matters (ERM) — Radio equipment to be used in the 24 GHz band — System Reference Document for automotive collision warning Short Range Radar (ETSI/TR 101 982 V1.2.1:2002)
- HRI ETSI/TR 101 983 V1.1.1:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) — Radijski uređaji za uporabu u pojasu od 76 GHz do 77 GHz — Referencijski dokument za sustav radara kratkoga dometa koji se postavlja na cestovnu infrastrukturu (ETSI/TR 101 983 V1.1.1:2001) ElectroMagnetic Compatibility and Radio Spectrum Matters (ERM) — Radio equipment to be used in the 76 GHz to 77 GHz band — System Reference Document for Short-Range Radar to be fitted on road infrastructure (ETSI/TR 101 983 V1.1.1:2001)
- HRI ETSI/TR 101 994-1 V1.1.1:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) — Uređaji kratkoga dometa (SRD) — Tehničke značajke SRD opreme koja upotrebljava tehniku ultra širokoga pojasa (UWB) — 1. dio: Komunikacijske primjene (ETSI/TR 101 994-1 V1.1.1:2004) Electromagnetic compatibility and Radio spectrum Matters (ERM) — Short Range Devices (SRD) — Technical characteristics for SRD equipment using Ultra Wide Band technology (UWB) — Part 1: Communications applications (ETSI/TR 101 994-1 V1.1.1:2004)
- HRI ETSI/TR 101 994-2 V1.1.1:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) — Uređaji kratkoga dometa (SRD) — Tehničke značajke SRD opreme koja upotrebljava tehniku ultra širokoga pojasa (UWB) — 2. dio: Primjene radara u sondiranju tla i zidova — Referencijski dokument sustava (ETSI/TR 101 994-2 V1.1.1:2004) Electromagnetic compatibility and Radio spectrum Matters (ERM) — Short Range Devices (SRD) — Technical characteristics for SRD equipment using Ultra Wide Band technology (UWB) — Part 2: Ground and Wall-Probing Radar applications — System Reference Document (ETSI/TR 101 994-2 V1.1.1:2004)
- HRI ETSI/TR 102 001 V1.1.1:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) — Referencijski dokument za poboljšanu paketnu uslugu sustava TETRA (TAPS) (ETSI/TR 102 001 V1.1.1:2003) Electromagnetic compatibility and Radio spectrum Matters (ERM) — Systems reference document for TETRA Advanced Packet Service (TAPS) (ETSI/TR 102 001 V1.1.1:2003)
- HRI ETSI/TR 102 069 V1.1.1:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) — Tehnički izvještaj o radu DSSS transpondera u pojasu od 865 MHz do 868 MHz s izvanpojasnom frekvencijom prozivanja (ETSI/TR 102 069 V1.1.1:2002) Electromagnetic compatibility and Radio spectrum Matters (ERM) — Technical Report on the operation of DSSS transponders in the band 865 MHz to 868 MHz, with polling frequency external to the band (ETSI/TR 102 069 V1.1.1:2002)
- HRI ETSI/TR 102 070-1 V1.2.1:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) — Upute za primjenu usklađenih norma na multiradijske te na kombinirane radijske i neradijske uređaje — 1. dio: Elektromagnetska kompatibilnost (ETSI/TR 102 070-1 V1.2.1:2003) Electromagnetic compatibility and Radio spectrum Matters (ERM) — Guide to the application of harmonized standards to multi-radio and combined radio and non-radio equipment — Part 1: ElectroMagnetic Compatibility (ETSI/TR 102 070-1 V1.2.1:2003)
- HRI ETSI/TR 102 070-2 V1.1.1:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) — Upute za primjenu usklađenih norma na multiradijske te na kombinirane radijske i neradijske uređaje — 2. dio: Djelotvorna uporaba radiofrekvencijskog spektra (ETSI/TR 102 070-2 V1.1.1:2002) Electromagnetic compatibility and Radio spectrum Matters (ERM) — Guide to the application of harmonized standards to multi-radio and combined radio and non-radio equipment — Part 2: Effective use of the radio frequency spectrum (ETSI/TR 102 070-2 V1.1.1:2002)
- HRI ETSI/TR 102 079 V1.1.2:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) — Referencijski dokument za sustav za nepokretni bežični pristup izuzet iz licence (HIPERMAN) za pojas C (od 5,725 GHz do 5,875 GHz) (ETSI/TR 102 079 V1.1.2:2003) Electromagnetic compatibility and Radio spectrum Matters (ERM) — System Reference Document for licence-exempt Fixed Wireless Access (HIPERMAN) for band C (5,725 GHz to 5,875 GHz) (ETSI/TR 102 079 V1.1.2:2003)
- HRI ETSI/TR 102 134 V1.1.1:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) — Uređaji i oprema kratkoga dometa koji rade ispod 1 GHz — Referencijski dokument za sustav za uvođenje sustava praćenja imovine uporabom proširenog spektra sa skokovitom promjenom frekvencije (FHSS) u pojasu od 865 MHz do 868 MHz (ETSI/TR 102 134 V1.1.1:2002) Electromagnetic compatibility and Radio spectrum Matters (ERM) — Short Range Device equipment operating below 1 GHz — Systems Reference Document for introduction of systems for Asset Tracking using Frequency Hopping Speed Spectrum (FHSS) in the band 865-868 MHz (ETSI/TR 102 134 V1.1.1:2002)



- HRI ETSI/TR 102 135 V1.1.1:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM)—Referencijski dokument za sustav za uporabu pojasa od 169,4 MHz to 169,8 MHz za digitalnu razmjenu podataka i signalizaciju (DIIS) (ETSI/TR 102 135 V1.1.1:2002)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) — System Reference Document for use of the band 169,4 MHz to 169,8 MHz for Digital Interchange of Information and Signalling (DIIS) (ETSI/TR 102 135 V1.1.1:2002)
- HRI ETSI/TR 102 137 V1.2.1:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) — Uporaba radiofrekvencijskog spektra kod uređaja koji zadovoljavaju ETSI norme (ETSI/TR 102 137 V1.2.1:2008)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) — Use of radio frequency spectrum by equipment meeting ETSI Standards (ETSI/TR 102 137 V1.2.1:2008)
- HRI ETSI/TR 102 260 V1.1.1:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM)—Pokretni radio s javnim pristupom i višestrukim pristupom kodnom raspodjelom (CDMA-PAMR) — Referencijski dokument sustava (ETSI/TR 102 260 V1.1.1:2003)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) — Code Division Multiple Access Public Access Mobile Radio (CDMA-PAMR)—System reference document (ETSI/TR 102 260 V1.1.1:2003)
- HRI ETSI/TR 102 263 V1.1.2:2010 en pr  
Elektromagnetska kompatibilnost i radiospektar (ERM) — Telematika cestovnog prijevoza i prometa (RTTT) — Radijski uređaji za uporabu u pojasu od 77 GHz do 81 GHz — Referencijski dokument za sustav radara kratkoga dometa za upozorenje na sudar automobila (ETSI/TR 102 263 V1.1.2:2004)  
Electromagnetic compatibility and Radio spectrum Matters (ERM)—Road Transport and Traffic Telematics (RTTT) — Radio equipment to be used in the 77 GHz to 81 GHz band — System Reference Document for automotive collision warning Short Range Radar (ETSI/TR 102 263 V1.1.2:2004)
- HRI ETSI/TR 102 309 V1.1.1:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) — Aktivni medicinski implantati ultra male snage (ULP-AMI) — “Membranski implantatski” uređaji koji rade u pojasu od 30 MHz do 37,5 MHz — Referencijski dokument sustava (ETSI/TR 102 309 V1.1.1:2004)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) — Ultra Low Power Active Medical Implants (ULP-AMI) — “Membrane Implant” devices operating in the 30 MHz to 37,5 MHz band — System Reference Document (ETSI/TR 102 309 V1.1.1:2004)
- HRI ETSI/TR 102 335-1 V1.1.2:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) — Referencijski dokument za sustav za usklađenu uporabu digitalnoga pokretnog radija (DMR) — 1. dio: DMR# 1. reda predviđen za opće odobrenje bez pojedinačnih prava na rad (ETSI/TR 102 335-1 V1.1.2:2004)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) — System reference document for harmonized use of Digital Mobile Radio (DMR)—Part 1: Tier 1 DMR#, expected to be for general authorization with no individual rights operation (ETSI/TR 102 335-1 V1.1.2:2004)
- HRI ETSI/TR 102 335-2 V1.1.1:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) — Referencijski dokument za sustav za usklađenu uporabu digitalnoga pokretnog radija (DMR) — 2. dio: Sustavi koji rade na temelju pojedinačnih dozvola u postojećim pojasi spektra za kopnene pokretne službe (ETSI/TR 102 335-2 V1.1.1:2004)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) — System reference document for harmonized use of Digital Mobile Radio (DMR) — Part 2: Systems operating under individual licences in the existing land mobile service spectrum bands (ETSI/TR 102 335-2 V1.1.1:2004)
- HRI ETSI/TR 102 347 V1.1.2:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) — Uređaji kratkoga dometa (SRD) — Uređaji za otkrivanje kretanja — Radijski uređaji koji npr. rade oko 5,8 GHz, 10 GHz, 25 GHz, 61 GHz, 77 GHz — Referencijski dokument za sustav za radar za sondiranje razine spremnika (TLPR) (ETSI/TR 102 347 V1.1.2:2005)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) — Short Range Devices (SRD) — Equipment for Detecting Movement — Radio equipment operating around e.g. 5,8 GHz, 10 GHz, 25 GHz, 61 GHz, 77 GHz — System Reference Document for Tank Level Probing Radar (TLPR) (ETSI/TR 102 347 V1.1.2:2005)
- HRI ETSI/TR 102 378 1.1.1:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) — Uređaji kratkoga dometa (SRD) — Uređaji za sustave prepoznavanja lociranja — Referencijski dokument za induktivne sustave za industrijske primjene koji rade u frekvencijskome području od 400 kHz do 600 kHz (ETSI/TR 102 378 1.1.1:2005)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) — Short Range Devices (SRD) — Equipment for identification and location systems — System Reference Document for inductive systems for industrial applications operating in the frequency range from 400 kHz to 600 kHz (ETSI/TR 102 378 1.1.1:2005)
- HRI ETSI/TR 102 400 V1.2.1:2010 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) — Uređaji kratkoga dometa (SRD) — Sustavi inteligentnoga prijevoza (ITS) — Telematika cestovnog prijevoza i prometa (RTTT) — Tehničke značajke za komunikacijsku opremu u frekvencijskome pojasu od 63 GHz do 64 GHz — Referencijski dokument sustava (ETSI/TR 102 400 V1.2.1:2006)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) — Short Range Devices (SRD) — Intelligent Transport Systems (ITS) — Road Traffic and Transport Telematics (RTTT) — Technical characteristics for communications equipment in the frequency band from 63 GHz to 64 GHz — System Reference Document (ETSI/TR 102 400 V1.2.1:2006)
- HRN ETR 129 V1:2010 en pr  
Radijski uređaji i sustavi (RES) — Studija, za uporabu otvorene mreže (ONP), o normama za pokretne službe i sustav radijskih poruka (ETR 129 ed.1:1994)  
Radio Equipment and Systems (RES)—Open Network Provision (ONP) study on standards for mobile services and paging (ETR 129 ed.1:1994)
- HRU ETSI EG 201 399 V1.3.1:2010 en pr  
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- HRN ETS 300 343 V1:2010 en pr  
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- HRN ETS 300 346 V1:2010 en pr  
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- HRN ETS 300 348 V1:2010 en pr  
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- HRN ETS 300 363 V1:2010 en pr  
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- HRN ETS 300 365 V2:2010 en pr  
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- HRN ETS 300 366 V1:2010 en pr  
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- HRN ETS 300 366 V2:2010 en pr  
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- HRN ETS 300 367 V1:2010 en pr  
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- HRN ETS 300 368 V1:2010 en pr  
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- HRN ETS 300 370 V1:2010 en pr  
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- HRN ETS 300 370 V2:2010 en pr  
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- HRN ETS 300 373 V1:2010 en pr  
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- HRN ETS 300 387 V1:2010 en pr  
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- HRN ETS 300 388 V1:2010 en pr  
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- HRN ETS 300 342-1 V1:2010 en pr  
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- HRN ETS 300 347-2 V1:2010 en pr  
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- HRN ETS 300 347-3 V1:2010 en pr  
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- HRN ETS 300 347-3 V2:2010 en pr  
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- HRN ETS 300 347-4 V1:2010 en pr  
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- HRN ETS 300 347-5 V1:2010 en pr  
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- HRN ETS 300 347-5 V2:2010 en pr  
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- HRN ETS 300 347-6 V1:2010 en pr  
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- HRN ETS 300 347-7 V1:2010 en pr  
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- HRN ETS 300 347-7 V2:2010 en pr  
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- HRN ETS 300 347-8 V1:2010 en pr  
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- HRN ETS 300 347-9 V1:2010 en pr  
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- HRN ETS 300 356-1 V1:2010 en pr  
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- HRN ETS 300 356-2 V1:2010 en pr  
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- HRN ETS 300 356-5 V1:2010 en pr  
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- HRN ETS 300 356-6 V1:2010 en pr  
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- HRN ETS 300 356-7 V1:2010 en pr  
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- HRN ETS 300 356-8 V1:2010 en pr  
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- HRN ETS 300 356-9 V1:2010 en pr  
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- HRN ETS 300 356-10 V1:2010 en pr  
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- HRN ETS 300 356-11 V1:2010 en pr  
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- HRN ETS 300 356-12 V1:2010 en pr  
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- HRN ETS 300 356-14 V1:2010 en pr  
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- HRN ETS 300 356-15 V1:2010 en pr  
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- HRN ETS 300 356-16 V1:2010 en pr  
Integrated Services Digital Network (ISDN) – Signalling System No.7 – ISDN User Part (ISUP) version 2 for the international interface – Part 16: Call Hold (HOLD) supplementary service [ITU-T Recommendation Q.733, clause 2 (1993), modified] (ETS 300 356-16 ed.1:1995)
- HRN ETS 300 356-17 V1:2010 en pr  
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- HRN ETS 300 356-18 V1:2010 en pr  
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- HRN ETS 300 356-19 V1:2010 en pr  
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- HRN ETS 300 356-31 V1:2010 en pr  
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- HRN ETS 300 356-32 V1:2010 en pr  
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- HRN ETS 300 356-33 V1:2010 en pr  
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- HRN ETS 300 356-34 V1:2010 en pr  
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- HRN ETS 300 356-35 V1:2010 en pr  
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- HRN ETS 300 356-36 V1:2010 en pr  
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- HRN ETS 300 359-1 V1:2010 en pr  
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- HRN ETS 300 359-2 V1:2010 en pr  
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- HRN ETS 300 359-3 V1:2010 en pr  
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- HRN ETS 300 359-4 V1:2010 en pr  
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- HRN ETS 300 359-5 V1:2010 en pr  
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- HRN ETS 300 359-6 V1:2010 en pr  
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- HRN ETS 300 369-1 V1:2010 en pr  
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- HRN ETS 300 369-4 V1:2010 en pr  
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- HRN ETS 300 369-5 V1:2010 en pr  
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- HRN ETS 300 369-6 V1:2010 en pr  
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- HRN ETS 300 374-1 V1:2010 en pr  
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- HRN ETS 300 374-2 V1:2010 en pr  
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- HRN ETS 300 374-5 V1:2010 en pr  
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- HRN ETS 300 374-6 V1:2010 en pr  
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## **HZN/TU A1, *Usluge, proizvodi za kućanstvo i slobodno vrijeme* 1**

- HRN EN 958:2010 en pr  
Mountaineering equipment – Energy absorbing systems for use in klettersteig (via ferrata) climbing – Safety requirements and test methods (EN 958:2006+A1:2010)

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

- HRN EN 13112:2010 en pr  
Tannery machines – Splitting and bandknife shearing machines – Safety requirements (EN 13112:2002+A1:2009)
- HRN EN 13114:2010 en pr  
Tannery machines – Rotating process vessels – Safety requirements (EN 13114:2002+A1:2009)
- HRN EN 13457:2010 en pr  
Footwear, leather and imitation leather goods manufacturing machines – Splitting, skiving, cutting, cementing and cement drying machines – Safety requirements (EN 13457:2004+A1:2010)
- HRN EN ISO 14314:2010 en pr  
Reciprocal internal combustion engines – Recoil starting equipment – General safety requirements (ISO 14314:2004; EN ISO 14314:2009)

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

- HRN EN 500-1:2010 en pr  
Mobile road construction machinery – Safety – Part 1: Common requirements (EN 500-1:2006+A1:2009)
- HRN EN 809:2010 en pr  
Pumps and pump units for liquids – Common safety requirements (EN 809:1998+A1:2009+AC:2010)
- HRN EN 1012-1:2010 en pr  
Compressors and vacuum pumps – Safety requirements – Part 1: Air compressors (EN 1012-1:2010)
- HRN EN 1247:2010 en pr  
Foundry machinery – Safety requirements for ladles, pouring equipment, centrifugal casting machines, continuous and semi continuous casting machines (EN 1247:2004+A1:2010)
- HRN EN 1822-1:2010 en pr  
High efficiency air filters (EPA, HEPA and ULPA) – Part 1: Classification, performance testing, marking (EN 1822-1:2009)
- HRN EN 1822-2:2010 en pr  
High efficiency air filters (EPA, HEPA and ULPA) – Part 2: Aerosol production, measuring equipment, particle counting statistics (EN 1822-2:2009)
- HRN EN 1822-3:2010 en pr  
High efficiency air filters (EPA, HEPA and ULPA) – Part 3: Testing flat sheet filter media (EN 1822-3:2009)
- HRN EN 1822-4:2010 en pr  
High efficiency air filters (EPA, HEPA and ULPA) – Part 4: Determining leakage of filter elements (scan method) (EN 1822-4:2009)
- HRN EN 1822-5:2010 en pr  
High efficiency air filters (EPA, HEPA and ULPA) – Part 5: Determining the efficiency of filter elements (EN 1822-5:2009)
- HRN EN 1829-1:2010 en pr  
High pressure water jet machines – Safety requirements – Part 1: Machines (EN 1829-1:2010)
- HRN EN ISO 2858:2010 en pr  
End-suction centrifugal pumps (rating 16 bar) – Designation, nominal duty point and dimensions (ISO 2858:1975; EN ISO 2858:2010)

- HRN EN ISO 3661:2010 en pr  
End-suction centrifugal pumps – Baseplate and installation dimensions (ISO 3661:1977; EN ISO 3661:2010)
- HRN EN ISO 10801:2010 en pr  
Nanotechnologies – Generation of metal nanoparticles for inhalation toxicity testing using the evaporation/condensation method (ISO 10801:2010; EN ISO 10801:2010)
- HRN EN ISO 10808:2010 en pr  
Nanotechnologies – Characterization of nanoparticles in inhalation exposure chambers for inhalation toxicity testing (ISO 10808:2010; EN ISO 10808:2010)
- HRN EN 12001:2010 en pr  
Conveying, spraying and placing machines for concrete and mortar – Safety requirements (EN 12001:2003+A1:2009)
- HRS CEN/TS 12977-1:2010 en pr  
Thermal solar systems and components – Custom built systems – Part 1: General requirements for solar water heaters and combisystems (CEN/TS 12977-1:2010)
- HRS CEN/TS 12977-2:2010 en pr  
Thermal solar systems and components – Custom built systems – Part 2: Test methods for solar water heaters and combisystems (CEN/TS 12977-2:2010)
- HRS CEN/TS 12977-4:2010 en pr  
Thermal solar systems and components – Custom built systems – Part 4: Performance test methods for solar combistores (CEN/TS 12977-4:2010)
- HRS CEN/TS 12977-5:2010 en pr  
Thermal solar systems and components – Custom built systems – Part 5: Performance test methods for control equipment (CEN/TS 12977-5:2010)
- HRN EN 13035-3:2010 en pr  
Machines and plants for the manufacture, treatment and processing of flat glass – Safety requirements – Part 3: Cutting machines (EN 13035-3:2003+A1:2009+AC:2010)
- HRN EN 13035-4:2010 en pr  
Machines and plants for the manufacture, treatment and processing of flat glass – Safety requirements – Part 4: Tilting tables (EN 13035-4:2003+A1:2009)
- HRN EN 13035-5:2010 en pr  
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 13035-5:2006+A1:2009)
- HRN EN 13035-6:2010 en pr  
Machines and plants for the manufacture, treatment and processing of flat glass – Safety requirements – Part 6: Machines for break-out (EN 13035-6:2006+A1:2009)
- HRN EN 13035-7:2010 en pr  
Machines and plants for the manufacture, treatment and processing of flat glass – Safety requirements – Part 7: Cutting machines for laminated glass (EN 13035-7:2006+A1:2009)
- HRN EN 13035-9:2010 en pr  
Machines and plants for the manufacture, treatment and processing of flat glass – Safety requirements – Part 9: Washing installations (EN 13035-9:2006+A1:2010)
- HRN EN 13042-1:2010 en pr  
Machines and plants for the manufacture, treatment and processing of hollow glass – Safety requirements – Part 1: Gob feeder (EN 13042-1:2007+A1:2009)
- HRN EN 13309:2010 en pr  
Construction machinery – Electromagnetic compatibility of machines with internal power supply (EN 13309:2010)
- HRS CEN/TS 13778:2010 en pr  
Mobile demolition machinery – Safety requirements (CEN/TS 13778:2004)

- HRI CEN/TR 13930:2010 en pr  
Rotodynamic pumps – Design of pump intakes – Recommendations for installation of pumps (CEN/TR 13930:2009+AC:2010)
- HRI CEN/TR 13931:2010 en pr  
Rotodynamic pumps – Forces and moments on flanges – Centrifugal, mixed flow and axial flow horizontal and vertical shafts pumps (CEN/TR 13931:2009+AC:2010)
- HRI CEN/TR 13932:2010 en pr  
Rotodynamic pumps – Recommendations for fitting of inlet and outlet on piping (CEN/TR 13932:2009)
- HRS CEN/TS 15730:2010 en pr  
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; CEN/TS 15730:2008)
- HRN EN 15805:2010 en pr  
Particulate air filters for general ventilation – Standardised dimensions (EN 15805:2009)
- HRS CEN ISO/TS 27687:2010 en pr  
Nanotechnologies – Terminology and definitions for nano-objects – Nanoparticle, nanofibre and nanoplate (ISO/TS 27687:2008; CEN ISO/TS 27687:2009)

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

- HRN EN ISO 8894-1:2010 en pr  
Refractory materials – Determination of thermal conductivity – Part 1: Hot-wire methods (cross-array and resistance thermometer) (ISO 8894-1:2010; EN ISO 8894-1:2010)
- HRN EN 14425-3:2010 en pr  
Advanced technical ceramics – Test methods for determination of fracture toughness of monolithic ceramics – Part 3: Chevron notched beam (CNB) method (EN 14425-3:2010)
- HRN EN 14588:2010 en pr  
Solid biofuels – Terminology, definitions and descriptions (EN 14588:2010)
- HRN EN 15149-1:2010 en pr  
Solid biofuels – Determination of particle size distribution – Part 1: Oscillating screen method using sieve apertures of 1 mm and above (EN 15149-1:2010)
- HRN EN 15149-2:2010 en pr  
Solid biofuels – Determination of particle size distribution – Part 2: Vibrating screen method using sieve apertures of 3,15 mm and below (EN 15149-2:2010)
- HRN EN 15210-2:2010 en pr  
Solid biofuels – Determination of mechanical durability of pellets and briquettes – Part 2: Briquettes (EN 15210-2:2010)
- HRS CEN/TS 15401:2010 en pr  
Solid recovered fuels – Determination of bulk density (CEN/TS 15401:2010)
- HRS CEN/TS 15412:2010 en pr  
Solid recovered fuels – Methods for the determination of metallic aluminium (CEN/TS 15412:2010)
- HRS CEN/TS 15414-1:2010 en pr  
Solid recovered fuels – Determination of moisture content using the oven dry method – Part 1: Determination of total moisture by a reference method (CEN/TS 15414-1:2010)
- HRS CEN/TS 15414-2:2010 en pr  
Solid recovered fuels – Determination of moisture content using the oven dry method – Part 2: Determination of total moisture content by a simplified method (CEN/TS 15414-2:2010)

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

- HRN EN 455-2:2010 en pr  
Medical gloves for single use – Part 2: Requirements and testing for physical properties (EN 455-2:2009)
- HRN EN 455-4:2010 en pr  
Medical gloves for single use – Part 4: Requirements and testing for shelf life determination (EN 455-4:2009)
- HRN EN 1060-1:2010 en pr  
Non-invasive sphygmomanometers – Part 1: General requirements (EN 1060-1:1995+A2:2009)
- HRN EN 1060-2:2010 en pr  
Non-invasive sphygmomanometers – Part 2: Supplementary requirements for mechanical sphygmomanometers (EN 1060-2:1995+A1:2009)
- HRN EN 1060-3:2010 en pr  
Non-invasive sphygmomanometers – Part 3: Supplementary requirements for electro-mechanical blood pressure measuring systems (EN 1060-3:1997+A2:2009)
- HRN EN ISO 1135-4:2010 en pr  
Transfusion equipment for medical use – Part 4: Transfusion sets for single use (ISO 1135-4:2010; EN ISO 1135-4:2010)
- HRN EN 1639:2010 en pr  
Dentistry – Medical devices for dentistry – Instruments (EN 1639:2009)
- HRN EN 1640:2010 en pr  
Dentistry – Medical devices for dentistry – Equipment (EN 1640:2009)
- HRN EN 1641:2010 en pr  
Dentistry – Medical devices for dentistry – Materials (EN 1641:2009)
- HRN EN 1642:2010 en pr  
Dentistry – Medical devices for dentistry – Dental implants (EN 1642:2009)
- HRN EN ISO 1942:2010 en pr  
Dentistry – Vocabulary (ISO 1942:2009, Corrected version 2010-03-01; EN ISO 1942:2010)
- HRN EN ISO 8536-4:2010 en pr  
Infusion equipment for medical use – Part 4: Infusion sets for single use, gravity feed (ISO 8536-4:2010; EN ISO 8536-4:2010)
- HRN EN ISO 9187-1:2010 en pr  
Injection equipment for medical use – Part 1: Ampoules for injectables (ISO 9187-1:2010; EN ISO 9187-1:2010)
- HRN EN ISO 9187-2:2010 en pr  
Injection equipment for medical use – Part 2: One-point-cut (OPC) ampoules (ISO 9187-2:2010; EN ISO 9187-2:2010)
- HRN EN 13795-1:2010 en pr  
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 13795-1:2002+A1:2009)
- HRN EN 13795-2:2010 en pr  
Surgical drapes, gowns and clean air suits, used as medical devices for patients, clinical staff and equipment – Part 2: Test methods (EN 13795-2:2004+A1:2009)
- HRN EN 13795-3:2010 en pr  
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 13795-3:2006+A1:2009)
- HRN EN ISO 14602:2010 en pr  
Non-active surgical implants – Implants for osteosynthesis – Particular requirements (ISO 14602:2010; EN ISO 14602:2010)

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

- HRN EN 415-1:2010 en pr  
Packaging machines safety – Part 1: Terminology and classification of packaging machines and associated equipment (EN 415-1:2000+A1:2009)
- HRN EN 415-3:2010 en pr  
Safety of packaging machines – Part 3: Form, fill and seal machines (EN 415-3:1999+A1:2009)
- HRN EN 415-5:2010 en pr  
Safety of packaging machines – Part 5: Wrapping machines (EN 415-5:2006+A1:2009)
- HRN EN 415-6:2010 en pr  
Safety of packaging machines – Part 6: Pallet wrapping machines (EN 415-6:2006+A1:2009)
- HRN EN 415-9:2010 en pr  
Safety of packaging machines – Part 9: Noise measurement methods for packaging machines, packaging lines and associated equipment, grade of accuracy 2 and 3 (EN 415-9:2009)
- HRN EN 1459:2010 en pr  
Safety of industrial trucks – Self-propelled variable reach trucks (EN 1459:1998+A2:2010)
- HRN EN 1755:2010 en pr  
Sigurnost industrijskih vozila – Rad u potencijalno eksplozivnoj atmosferi – Uporaba u zapaljivom plinu, pari i prašini (EN 1755:2000+A1:2009)  
Safety of industrial trucks – Operation in potentially explosive atmospheres – Use in flammable gas, vapour, mist and dust (EN 1755:2000+A1:2009)
- HRN EN 1915-1:2010 en pr  
Aircraft ground support equipment – General requirements – Part 1: Basic safety requirements (EN 1915-1:2001+A1:2009)
- HRN EN 1915-2:2010 en pr  
Aircraft ground support equipment – General requirements – Part 2: Stability and strength requirements, calculations and test methods (EN 1915-2:2001+A1:2009)
- HRN EN 1915-3:2010 en pr  
Aircraft ground support equipment – General requirements – Part 3: Vibration measurement methods and reduction (EN 1915-3:2004+A1:2009)
- HRN EN 1915-4:2010 en pr  
Aircraft ground support equipment – General requirements – Part 4: Noise measurement methods and reduction (EN 1915-4:2004+A1:2009)
- HRN EN 2116:2010 en pr  
Aerospace series – Aluminium alloy 2017A-T42 – Wire for solid rivets –  $D \leq 10$  mm (EN 2116:2009)
- HRN EN 2606:2010 en pr  
Aerospace series – 60° interface for adaptors, threaded, with lockring – Geometric configuration (EN 2606:2009)
- HRN EN ISO 3691-5:2010 en pr  
Industrial trucks – Safety requirements and verification – Part 5: Pedestrian-propelled trucks (ISO 3691-5:2009; EN ISO 3691-5:2009)
- HRN EN 4301:2010 en pr  
Aerospace series – Identification marking methods for engine items – Engineering requirements (EN 4301:2009)
- HRN EN 4539-003:2010 en pr  
Aerospace series – Bearings, spherical plain, in corrosion resisting steel with self-lubricating liner elevated load under low oscillations – Wide series – Dimensions and loads – Part 003: Inch series with low friction coefficient (EN 4539-003:2010)
- HRN EN 4641-105:2010 en pr  
Aerospace series – Cables, optical 125  $\mu$ m diameter cladding – Part 105: Semi-loose, ruggedized quadaxial construction 62,5/125  $\mu$ m GI fibre nominal, 5,72 mm outside diameter – Product standard (EN 4641-105:2010)
- HRN EN 4659:2010 en pr  
Aerospace series – Steel FE-PM1507 (X1CrNiMoAlTi12-11-2) – Vacuum induction melted and consumable electrode remelted – Solution treated and precipitation treated – Forgings – a or  $D \leq 200$  mm –  $R_m \geq 1650$  MPa (EN 4659:2010)
- HRN EN 12312-1:2010 en pr  
Aircraft ground support equipment – Specific requirements – Part 1: Passenger stairs (EN 12312-1:2001+A1:2009)
- HRN EN 12312-2:2010 en pr  
Aircraft ground support equipment – Specific requirements – Part 2: Catering vehicles (EN 12312-2:2002+A1:2009)
- HRN EN 12312-3:2010 en pr  
Aircraft ground support equipment – Specific requirements – Part 3: Conveyor belt vehicles (EN 12312-3:2003+A1:2009)
- HRN EN 12312-4:2010 en pr  
Aircraft ground support equipment – Specific requirements – Part 4: Passenger boarding bridges (EN 12312-4:2003+A1:2009)
- HRN EN 12312-5:2010 en pr  
Aircraft ground support equipment – Specific requirements – Part 5: Aircraft fuelling equipment (EN 12312-5:2005+A1:2009)
- HRN EN 12312-6:2010 en pr  
Aircraft ground support equipment – Specific requirements – Part 6: Deicers and deicing/antiicing equipment (EN 12312-6:2004+A1:2009)
- HRN EN 12312-7:2010 en pr  
Aircraft ground support equipment – Specific requirements – Part 7: Air-craft movement equipment (EN 12312-7:2005+A1:2009)
- HRN EN 12312-8:2010 en pr  
Aircraft ground support equipment – Specific requirements – Part 8: Maintenance stairs and platforms (EN 12312-8:2005+A1:2009)
- HRN EN 12312-9:2010 en pr  
Aircraft ground support equipment – Specific requirements – Part 9: Container/Pallet loaders (EN 12312-9:2005+A1:2009)
- HRN EN 12312-10:2010 en pr  
Aircraft ground support equipment – Specific requirements – Part 10: Container/Pallet transfer transporters (EN 12312-10:2005+A1:2009)
- HRN EN 12312-12:2010 en pr  
Aircraft ground support equipment – Specific requirements – Part 12: Potable water service equipment (EN 12312-12:2002+A1:2009)
- HRN EN 12312-13:2010 en pr  
Aircraft ground support equipment – Specific requirements – Part 13: Lavatory service equipment (EN 12312-13:2002+A1:2009)
- HRN EN 12312-14:2010 en pr  
Aircraft ground support equipment – Specific requirements – Part 14: Disabled/incapacitated passenger boarding vehicles (EN 12312-14:2006+A1:2009)
- HRN EN 12312-15:2010 en pr  
Aircraft ground support equipment – Specific requirements – Part 15: Baggage and equipment tractors (EN 12312-15:2006+A1:2009)

- HRN EN 12312-16:2010 en pr  
Aircraft ground support equipment – Specific requirements – Part 16: Air start equipment (EN 12312-16:2005+A1:2009)
- HRN EN 12312-17:2010 en pr  
Aircraft ground support equipment – Specific requirements – Part 17: Air conditioning equipment (EN 12312-17:2004+A1:2009)
- HRN EN 12312-18:2010 en pr  
Aircraft ground support equipment – Specific requirements – Part 18: Nitrogen or Oxygen units (EN 12312-18:2005+A1:2009)
- HRN EN 12312-19:2010 en pr  
Aircraft ground support equipment – Specific requirements – Part 19: Aircraft jacks, axle jacks and hydraulic tail stanchions (EN 12312-19:2005+A1:2009)
- HRN EN 12312-20:2010 en pr  
Aircraft ground support equipment – Specific requirements – Part 20: Electrical ground power units (EN 12312-20:2005+A1:2009)
- HRN EN ISO 14509-3:2010 en pr  
Small craft – Airborne sound emitted by powered recreational craft – Part 3: Sound assessment using calculation and measurement procedures (ISO 14509-3:2009; EN ISO 14509-3:2009)
- HRN EN ISO 15085:2005/A1:2010 en pr  
Mala plovila – Čovjek u moru, sprečavanje i spašavanje – Amandman 1 (ISO 15085:2003/Amd 1:2009; EN ISO 15085:2003/A1:2009)  
Small craft – Man-overboard prevention and recovery – Amendment 1 (ISO 15085:2003/Amd 1:2009; EN ISO 15085:2003/A1:2009)
- HRN EN 15194:2010 en pr  
Cycles – Electrically power assisted cycles – EPAC Bicycles (EN 15194:2009)
- HRS CEN/TS 45545-1:2010 en pr  
Railway applications – Fire protection on railway vehicles – Part 1: General (CEN/TS 45545-1:2009)
- HRS CEN/TS 45545-3:2010 en pr  
Railway applications – Fire protection on railway vehicles – Part 3: Fire resistance requirements for fire barriers (CEN/TS 45545-3:2009)
- HRS CEN/TS 45545-6:2010 en pr  
Railway applications – Fire protection on railway vehicles – Part 6: Fire control and management systems (CEN/TS 45545-6:2009)

## 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 nacrtima hrvatskih norma dostavljaju se Hrvatskom zavodu za norme (uz naznaku tehničkog odbora i referencijsku oznaku nacrtu 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.

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

- 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)

### HZN/TO 556, Osobna zaštitna oprema

- nHRN 1131 hr izv  
Osobna zaštitna oprema od pada s visine – Čelične penjalice za drvene stupove  
Personal protective equipment against falls from a height – Steel Climbing Devices for Wooden Posts
- nHRN 1144 hr izv  
Osobna zaštitna oprema – Zaštitni pojas za vatrogasce – Zahtjevi, ispitivanje i označavanje  
Personal protective equipment – Safety Belt for Firefighters – Requirements, testing and marking

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

- nHRN EN ISO/IEC 17050-1 hr pp  
Ocjenjivanje sukladnosti – Dobavljačeva izjava o sukladnosti – 1. dio: Opći zahtjevi  
(ISO/IEC 17050-1:2004, ispravljena verzija 2007-06-15; 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; EN ISO/IEC 17050-1:2010)

## 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 Hrvatskome zavodu za norme (uz naznaku tehničkog odbora i referencijsku oznaku norme) u roku od 30 dana od dana objave rasprave u službenom glasilu Hrvatskoga zavoda za norme (HZN Glasilo).

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

- EN 1092-1:2007/prA1 en  
Flanges and their joints – Circular flanges for pipes, valves, fittings and accessories, PN designated – Part 1: Steel flanges  
Prirubnice i njihovi spojevi – Kružne prirubnice za cijevi, ventile, spojne dijelove i pribor, označene PN oznakom – 1. dio: Čelične prirubnice

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

- FprEN ISO 7263 en  
Corrugating medium – Determination of the flat crush resistance after laboratory fluting  
(ISO/FDIS 7263:2010)

### HZN/TO 21, Protupožarna i vatrogasna oprema

- EN 1777:2010 en  
Hydraulic platforms (HPs) for fire fighting and rescue services – Safety requirements and testing  
Hidraulične platforme (HP) za gašenje požara i spašavanje – Zahtjevi za sigurnost i ispitivanje
- FprEN 12101-7 en  
Smoke and heat control systems – Part 7: Smoke duct sections
- FprEN 12101-8 en  
Smoke and heat control systems – Part 8: Smoke control dampers
- prEN 14043 en  
High rise aerial appliances for fire service use – Turntable ladders with combined movements – Safety and performance requirements and test methods  
Vatrogasna vozila za primjenu na visini velikog dosega – Okretne ljestve s kombiniranim gibanjem – Zahtjevi za sigurnost i svojstva te ispitne metode



prEN 14044 en  
High rise aerial appliances for fire service use – Turntable ladders with sequential movements – Safety and performance requirements and test methods  
Vatrogasna vozila za primjenu na visini velikog doseg – Okretne ljestve sa sekvencijskim gibanjem – Zahtjevi za sigurnost i svojstva te ispitne metode

## **HZN/TO 22, Cestovna vozila**

ISO 1103:2007 en  
Road vehicles – Coupling balls for caravans and light trailers – Dimensions  
Cestovna vozila – Kugle spojnice za kamp-prikolice i lake prikolice – Dimenzije

ISO 1728:2006 en  
Road vehicles – Pneumatic braking connections between motor vehicles and towed vehicles – Interchangeability  
Cestovna vozila – Spojevi zračne kočnice između motornih vozila i vučenih vozila – Zamjenjivost

ISO 2974:2005 en  
Diesel engines – High-pressure fuel injection pipe end-connections with 60° female cone  
Dizelski motori – Završetci sa ženskim stošcem od 60° za spajanje visokotlačnih cijevi za ubrizgavanje goriva

ISO 3739-1:2007 en  
Industrial tyres and rims – Part 1: Pneumatic tyres (metric series) on 5° tapered or flat base rims – Designation, dimensions and marking  
Gume i naplatci za industrijska vozila – 1. dio: Pneumatske gume (milimetarski nizovi) na naplacima s osnovom nagiba 5° ili ravnom – Oznaka, dimenzije i označavanje

ISO 3739-3:2008 en  
Industrial tyres and rims – Part 3: Rims  
Gume i naplatci za industrijska vozila – 3. dio: Naplatci

ISO 3780:2009 en  
Road vehicles – World manufacturer identifier (WMI) code  
Cestovna vozila – Međunarodni identifikacijski kod proizvođača

ISO/TR 8357:1996 en  
Road vehicles – Instructions for the implementation of the assignment of world manufacturer identifier (WMI) codes for vehicle identification number (VIN) systems and for world parts manufacturer identifier (WPMI) codes  
Cestovna vozila – Upute za postupak dodjeljivanja međunarodnog identifikacijskog kôda proizvođača za sustave identifikacijskih oznaka vozila (VIN) i međunarodnih identifikacijskih kôdova proizvođača dijelova

ISO 8713:2005 en  
Electric road vehicles – Vocabulary  
Električna cestovna vozila – Terminološki rječnik

ISO 10483-1:2004 en  
Road vehicles – Intelligent power switches – Part 1: High-side intelligent power switch  
Cestovna vozila – Inteligentne energetske sklopke – 1. dio: Inteligentne energetske sklopke za ugradnju u krugu ispred trošila

ISO 16844-2:2004 en  
Road vehicles – Tachograph systems – Part 2: Recording unit, electrical interface  
Cestovna vozila – Sustavi tahografa – 2. dio: Zapisna jedinica, električno sučelje

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

prEN ISO 16119-1 en  
Agricultural and forestry machinery – Sprayers and liquid fertilizer distributors – Environmental protection – Part 1: General (ISO/DIS 16119-1:2010)

prEN ISO 16119-2 en  
Agricultural and forestry machinery – Sprayers and liquid fertilizer distributors – Environmental protection – Part 2: Horizontal-boom and similar sprayers (ISO/DIS 16119-2:2010)

prEN ISO 16119-3 en  
Agricultural and forestry machinery – Sprayers and liquid fertilizer distributors – Environmental protection – Part 3: Sprayers for bush, tree and similar crops (ISO/DIS 16119-3:2010)

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

FprEN 1559-1 en  
Founding – Technical conditions of delivery – Part 1: General  
Ljevarstvo – Tehnički uvjeti isporuke – 1. dio: Općenito

FprEN 1560 en  
Founding – Designation system for cast iron – Material symbols and material numbers  
Ljevarstvo – Sustav označavanja željeznog lijeva – Simboli materijala i odbrojčavanje materijala

FprEN 12513 en  
Founding – Abrasion resistant cast irons  
Ljevarstvo – Željezni lijevovi otporni na abraziju

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

FprEN ISO 3405 en  
Petroleum products – Determination of distillation characteristics at atmospheric pressure (ISO/FDIS 3405:2010)  
Naftni proizvodi – Određivanje značajka destilacije pod atmosferskim tlakom (ISO/FDIS 3405:2010)

EN ISO 4263-3:2010 en  
Petroleum and related products – Determination of the ageing behaviour of inhibited oils and fluids using the TOST test – Part 3: Anhydrous procedure for synthetic hydraulic fluids (ISO 4263-3:2010)  
Nafta i srodni proizvodi – Određivanje starenja inhibiranih ulja i tekućina uporabom TOST testa – 3. dio: Bezvodni postupak za sintetičke hidraulične tekućine (ISO 4263-3:2010)

ISO 8216-1:2010 en  
Petroleum products – Fuels (class F) classification – Part 1: Categories of marine fuels  
Naftni proizvodi – Razredba goriva (razred F) – 1. dio: Kategorije brodskih goriva

ISO 8217:2010 en  
Petroleum products – Fuels (class F) – Specifications of marine fuels  
Naftni proizvodi – Goriva (razred F) – Specifikacije brodskih goriva

FprEN 15376 en  
Automotive fuels – Ethanol as a blending component for petrol – Requirements and test methods  
Goriva za motorna vozila – Etanol kao komponenta za namješavanje u benzin – Zahtjevi i metode ispitivanja

FprEN 15984 en  
Petroleum industry and products – Determination of composition of refinery heating gas and calculation of carbon content and calorific value – Gas chromatography method  
Naftna industrija i proizvodi – Određivanje sastava rafinerijskih plinova za loženje i izračunavanje količine ugljika te toplinske vrijednosti – Metoda plinske kromatografije

FprCEN/TR 16227 en  
Liquid petroleum products – Bio-lubricants – Recommendation for terminology and characterisation of bio-lubricants and bio-based lubricants  
Tekući naftni proizvodi – Biomaziva – Preporuka za nazivlje i karakterizaciju biomaziva i maziva na biljnoj osnovi

EN ISO 16591:2010 en  
Petroleum products – Determination of sulfur content – Oxidative microcoulometry method (ISO 16591:2010)  
Naftni proizvodi – Određivanje sadržaja sumpora – Metoda oksidacijske mikrokulometrije (ISO 16591:2010)

FprEN ISO 20783-1 en  
Petroleum and related products – Determination of emulsion stability of fire-resistant fluids – Part 1: Fluids in category HFAE (ISO/FDIS 20783-1:2010)  
Nafta i srodni proizvodi – Određivanje stabilnosti emulzije vatrootpornih tekućina – 1. dio: Tekućine kategorije HFAE (ISO/FDIS 20783-1:2010)

FprEN ISO 20843 en  
Petroleum and related products – Determination of pH of fire-resistant fluids within categories HFAE, HFAS and HFC (ISO/FDIS 20843:2010)  
Nafta i srodni proizvodi – Određivanje pH vrijednosti vatrootpornih tekućina unutar kategorije HFAE, HFAS i HFC (ISO/FDIS 20843:2010)

DIN 51426:2002 en  
Testing of fuel oil – Spectrophotometric determination of the red dye content and marker-2-content in domestic fuel oil  
Ispitivanje loživog ulja – Spektrofotometrijsko određivanje količine crvene boje i količine indikatora-2 u plinskom ulju za grijanje

## HZN/TO 35, Boje i lakovi

prEN ISO 2812-3 en  
Paints and varnishes – Determination of resistance to liquids – Part 3: Method using an absorbent medium (ISO/DIS 2812-3:2010)

prEN ISO 9117-4 en  
Paints and varnishes – Drying tests – Part 4: Test using a mechanical recorder (ISO/DIS 9117-4:2010)

prEN ISO 9117-5 en  
Paints and varnishes – Drying tests – Part 5: Modified Bandow-Wolff test (ISO/DIS 9117-5:2010)

prEN ISO 9117-6 en  
Paints and varnishes – Drying tests – Part 6: Print-free test (ISO/DIS 9117-6:2010)

FprEN ISO 11664-1 en  
Colorimetry – Part 1: CIE standard colorimetric observers (ISO 11664-1:2007)

FprEN ISO 11664-2 en  
Colorimetry – Part 2: CIE standard illuminants (ISO 11664-2:2007)

FprEN ISO 11664-4 en  
Colorimetry – Part 4: CIE 1976 L\*a\*b\* Colour space (ISO 11664-4:2008)

FprEN ISO 11664-5 en  
Colorimetry – Part 5: CIE 1976 L\*u\*v\* Colour space and u', v' uniform chromaticity scale diagram (ISO 11664-5:2009)

prEN ISO 13076 en  
Paints and varnishes – Lightning and procedure for visual assessments (ISO/DIS 13076:2010)

FprEN ISO 19334 en  
Binders for paints and varnishes – Gum rosin – Gas-chromatographic analysis (ISO 19334:2010)

## HZN/TO 43, Akustika

prEN 16205 en  
Laboratory measurement of walking noise on floors

EN ISO 17201-3:2010 en  
Acoustics – Noise from shooting ranges – Part 3: Guidelines for sound propagation calculations (ISO 17201-3:2010)  
Akustika – Buka streljana – 3. dio: Smjernice za računanje širenja zvuka (ISO 17201-3:2010)

EN ISO 17201-5:2010 en  
Acoustics – Noise from shooting ranges – Part 5: Noise management (ISO 17201-5:2010)  
Akustika – Buka iz streljana – 5. dio: Upravljanje bukom (ISO 17201-5:2010)

## HZN/TO 44, Zavarivanje i srodni postupci

EN ISO 12690:2010 en  
Metallic and other inorganic coatings – Thermal spray coordination – Tasks and responsibilities (ISO 12690:2010)  
Metalne i druge anorganske prevlake – Koordinacija toplinskog naštrecavanja – Zadaci i odgovornosti (ISO 12690:2010)

prEN ISO 13585 en  
Brazing – Brazer qualification (ISO/DIS 13585:2010)  
Tvrdo lemljenje – Kvalifikacija lemioca (ISO/DIS 13585:2010)

prEN ISO 13588 en  
Non-destructive testing of welds – Ultrasonic testing – Use of (semi-) automated phased array technology (ISO/DIS 13588:2010)

prEN ISO 14174 en  
Welding consumables – Fluxes for submerged arc welding and electroslag welding – Classification (ISO/DIS 14174:2010)  
Dodatni i potrošni materijali za zavarivanje – Praškovi za zavarivanje EPP postupkom i EPT postupkom – Razredba (ISO/DIS 14174:2010)

prEN ISO 15614-13 en  
Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 13: Resistance butt (upset) and flash welding (ISO/DIS 15614-13:2010)

EN ISO 15792-1:2008/prA1 en  
Welding consumables – Test methods – Part 1: Test methods for all-weld metal test specimens in steel, nickel and nickel alloys (ISO 15792-1:2000/DAM 1:2010)

prEN ISO 16834 en  
Welding consumables – Wire electrodes, wires, rods and deposits for gas-shielded arc welding of high strength steels – Classification (ISO/DIS 16834:2010)

prEN ISO 17636-1 en  
Non-destructive testing of welds – Radiographic testing – Part 1: X- and gamma-ray techniques with film (ISO/DIS 17636-1:2010)

prEN ISO 17636-2 en  
Non-destructive testing of welds – Radiographic testing – Part 2: X- and gamma-ray techniques with digital detectors (ISO/DIS 17636-2:2010)

EN ISO 18274:2010 en  
Welding consumables – Solid wire electrodes, solid strip electrodes, solid wires and solid rods for fusion welding of nickel and nickel alloys – Classification (ISO 18274:2010)

Dodatni i potrošni materijali za zavarivanje – Elektrode od pune žice, trakaste elektrode, pune žice i pune šipke za zavarivanje taljenjem nikla i legura nikla – Razredba (ISO 18274:2010)

prEN ISO 21952 en  
Welding consumables – Wire electrodes, wires, rods and deposits for gas-shielded arc welding of creep-resisting steels – Classification (ISO/DIS 21952:2010)

prEN ISO 24598 en  
Welding consumables – Solid wire electrodes, tubular cored electrodes and electrode/flux combinations for submerged arc welding of creep-resisting steels – Classification (ISO/DIS 24598:2010)

### **HZN/TO 47, Kemija**

FprEN ISO 4787 en  
Laboratory glassware – Volumetric instruments – Methods for testing of capacity and for use (ISO 4787:2010, Corrected version 2010-06-15)

### **HZN/TO 71, Beton**

EN 480-1:2006/FprA1 en  
Admixtures for concrete, mortar and grout – Test methods – Part 1: Reference concrete and reference mortar for testing  
Dodatci betonu, mortu i mortu za injektiranje – Ispitne metode – 1. dio: Referentni beton i referentni mort za ispitivanje

prEN 480-8 en  
Admixtures for concrete, mortar and grout – Test methods – Part 8: Determination of the conventional dry material content  
Dodaci betonu, mortu i smjesi za injektiranje – Metode ispitivanja – 8. dio: Određivanje deklariranog sadržaja suhe tvari

EN 480-13:2009/FprA1 en  
Admixtures for concrete, mortar and grout – Test methods – Part 13: Reference masonry mortar for testing mortar admixtures  
Dodaci betonu, mortu i smjesi za injektiranje – Metode ispitivanja – 13. dio: Referencijski mort za zidanje za ispitivanje dodataka mortu

EN 934-2:2009/prA1 en  
Admixtures for concrete, mortar and grout – Part 2: Concrete admixtures – Definitions, requirements, conformity, marking and labelling

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

FprEN 413-1 en  
Masonry cement – Part 1: Composition, specifications and conformity criteria  
Zidarski cement – 1. dio: Sastav, specifikacije i kriteriji sukladnosti

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

FprEN 320 en  
Particleboards and fibreboards – Determination of resistance to axial withdrawal of screws

prEN 325 en  
Wood-based panels – Determination of dimensions of test pieces

prEN 636 en  
Plywood – Specifications

EN 13353:2008/FprA1 en  
Solid wood panels (SWP) Requirements

### **HZN/TO 92, Zaštita od požara**

prEN 1366-11 en  
Fire resistance tests for service installations – Part 11: Fire protective systems for cable systems and associated components

prEN 1366-12 en  
Fire resistance tests for service installations – Part 12: Non-mechanical fire dampers

FprEN 15269-10 en  
Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies including their elements of building hardware – Part 10: Fire resistance of steel rolling shutter assemblies

prEN 15882-2 en  
Extended application of results from fire resistance tests for service installations – Part 2: Dampers  
Proširena primjena rezultata ispitivanja otpornosti na požar servisnih instalacija – 2. dio: Zaklopke

### **HZN/TO 120, Koža i obuća**

EN ISO 10717:2010 en  
Footwear – Test method for slide fasteners – Burst strength (ISO 10717:2010)  
Obuća – Metoda ispitivanja patentnih zatvarača – Čvrstoća probijanja (ISO 10717:2010)

FprEN ISO 10748 en  
Footwear – Test method for slide fasteners – Slider locking strength (ISO/FDIS 10748:2010)  
Obuća – Metoda ispitivanja patentnih zatvarača – Čvrstoća zaustavljanja ključa (ISO/FDIS 10748:2010)

EN ISO 10765:2010 en  
Footwear – Test method for the characterization of elastic materials – Tensile performance (ISO 10765:2010)  
Obuća – Metoda ispitivanja za karakterizaciju elastičnih materijala – Vlačna svojstva (ISO 10765:2010)

EN ISO 10768:2010 en  
Footwear – Test method for the determination of the resistance of elastic materials for footwear to repeated extension – Fatigue resistance (ISO 10768:2010)  
Obuća – Metoda ispitivanja za određivanje otpornosti elastičnih materijala za obuću na ponovljeno rastezanje – Otpornost na zamor materijala (ISO 10768:2010)

prEN ISO 11640 en  
Leather – Tests for colour fastness – Colour fastness to cycles of to-and-fro rubbing (ISO/DIS 11640:2010)

prEN ISO 11641 en  
Leather – Tests for colour fastness – Colour fastness to perspiration (ISO/DIS 11641:2010)

prEN ISO 11642 en  
Leather – Tests for colour fastness – Colour fastness to water (ISO/DIS 11642:2010)

FprEN ISO 13365 en  
Leather – Chemical tests – Determination of the preservative (TCMTB, CMK, OPP, OIT) content in leather by liquid chromatography (ISO/FDIS 13365:2010)  
Koža – Kemijska ispitivanja – Određivanje sadržaja sredstva za zaštitu (TCMTB, PCMC, OPP, OIT) u koži tekućom kromatografijom (ISO/FDIS 13365:2010)

prEN ISO 14268 en  
Leather – Physical and mechanical tests – Determination of water vapour permeability (ISO/DIS 14268:2010)

prEN 14906 en  
Leather – Leather for automotive – Test methods

FprEN 15987 en  
Leather – Terminology – Key definitions for the leather trade  
Koža – Nazivlje – Bitne definicije za trgovinu kožom

CEN ISO/TR 16178:2010 en  
Footwear – Critical substances potentially present in footwear and footwear components (ISO/TR 16178:2010)  
Obuća – Štetne tvari potencijalno prisutne u obući i dijelovima obuće (ISO/TR 16178:2010)

EN ISO 20869:2010 en  
Footwear – Test methods for outsoles, insoles, lining and insoles – Water soluble content (ISO 20869:2010)  
Obuća – Metode ispitivanja potplata, tabanica, podstava i uložnih tabanica – Sadržaj vodotopljivih tvari (ISO 20869:2010)

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

EN 1789:2007+A1:2010 en  
Medical vehicles and their equipment – Road ambulances  
Medicinski automobili i njihova oprema – Cestovni medicinski automobili

prEN ISO 5361 en  
Anaesthetic and respiratory equipment – Tracheal tubes and connectors (ISO/DIS 5361:2010)  
Anestetička i respiracijska oprema – Trahealne cijevi i priključci (ISO/DIS 5361:2010)

FprEN ISO 5364 en  
Anaesthetic and respiratory equipment – Oropharyngeal airways (ISO 5364:2008)  
Anestetička i respiracijska oprema – Osigurači zračnog puta za usta i ždrijelo (ISO 5364:2008)

EN ISO 10524-3:2006/prA1 en  
Pressure regulators for use with medical gases – Part 3: Pressure regulators integrated with cylinder valves (ISO 10524-3:2005/DAM 1:2010)  
Regulatori tlaka za uporabu s medicinskim plinovima – 3. dio: Regulatori tlaka integrirani s ventilima na boci (ISO 10524-3:2005/DAM 1:2010)

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

FprEN 15919 en  
Fertilizers – Extraction of phosphorus soluble in 2 % formic acid

FprEN 15920 en  
Fertilizers – Extraction of phosphorus soluble in 2% citric acid

FprEN 15921 en  
Fertilizers – Extraction of soluble phosphorus according to Petermann at 65 °C

FprEN 15922 en  
Fertilizers – Extraction of soluble phosphorus according to Petermann at ambient temperature

FprEN 15923 en  
Fertilizers – Extraction of phosphorus soluble in Joulie's alkaline ammonium citrate

### **HZN/TO 136, Namještaj**

prEN 1728 en  
Furniture – Seating – Test methods for the determination of strength and durability

prEN 1730 en  
Furniture – Tables – Test methods for the determination of stability, strength and durability

prEN 13759 en  
Furniture – Operating mechanisms for seating and sofa-beds – Test methods

prEN 15939 en  
Hardware for furniture – Strength and load capacity of wall attachment devices

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

FprEN ISO 11296-1 en  
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 1: General (ISO 11296-1:2009)

FprEN ISO 11296-3 en  
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 3: Lining with close-fit pipes (ISO 11296-3:2009)

FprEN ISO 11296-4 en  
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 4: Lining with cured-in-place pipes (ISO 11296-4:2009, corrected version 2010-06-01)

FprEN ISO 11298-1 en  
Plastics piping systems for renovation of underground water supply networks – Part 1: General (ISO 11298-1:2010)

FprEN ISO 11298-3 en  
Plastics piping systems for renovation of underground water supply networks – Part 3: Lining with close-fit pipes (ISO 11298-3:2010)

prEN 15383 en  
Plastics piping systems for drainage and sewerage – Glass-reinforced thermosetting plastics (GRP) based on polyester resin (UP) – Manholes and inspection chambers

EN ISO 15877-1:2009/A1:2010 en  
Plastics piping systems for hot and cold water installations – Chlorinated poly(vinyl chloride) (PVC-C) – Part 1: General – Amendment 1 (ISO 15877-1:2009/Amd 1:2010)  
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Klorirani poli(vinilklorid) (PVC-C) – 1. dio: Općenito – Amandman 1 (ISO 15877-1:2009/Amd 1:2010)

EN ISO 15877-2:2009/A1:2010 en  
Plastics piping systems for hot and cold water installations – Chlorinated poly(vinyl chloride) (PVC-C) – Part 2: Pipes – Amendment 1 (ISO 15877-2:2009/Amd 1:2010)  
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Klorirani poli(vinilklorid) (PVC-C) – 2. dio: Cijevi – Amandman 1 (ISO 15877-2:2009/Amd 1:2010)

EN ISO 15877-3:2009/A1:2010 en  
Plastics piping systems for hot and cold water installations – Chlorinated poly(vinyl chloride) (PVC-C) – Part 3: Fittings – Amendment 1 (ISO 15877-3:2009/Amd 1:2010)  
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Klorirani poli(vinilklorid) (PVC-C) – 3. dio: Spojnice – Amandman 1 (ISO 15877-3:2009/Amd 1:2010)

EN ISO 15877-5:2009/A1:2010 en  
Plastics piping systems for hot and cold water installations – Chlorinated poly(vinyl chloride) (PVC-C) – Part 5: Fitness for purpose of the system – Amendment 1 (ISO 15877-5:2009/Amd 1:2010)  
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Klorirani poli(vinilklorid) (PVC-C) – 5. dio: Prikkladnost sustava za uporabu – Amandman 1 (ISO 15877-5:2009/Amd 1:2010)

### **HZN/TO 146, Kvaliteta zraka**

prEN 13205 en  
Workplace exposure – Assessment of sampler performance for measurement of airborne particle concentrations

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

prEN ISO 6341 en  
Water quality – Determination of the inhibition of the mobility of *Daphnia magna* Straus (Cladocera, Crustacea) – Acute toxicity test (ISO/DIS 6341:2010)



prEN ISO 12846 en  
Water quality – Determination of mercury – Method using atomic absorption spectrometry (AAS) with and without enrichment (ISO/DIS 12846:2010)

prEN 16161 en  
Water quality – Guidance on the use of in vivo absorption techniques for the estimation of chlorophyll-a concentration in marine and fresh water samples

prEN 16164 en  
Water quality – Guidance standard for designing and selecting taxonomic keys

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

EN ISO 7250-1:2010 en  
Basic human body measurements for technological design – Part 1: Body measurement definitions and landmarks (ISO 7250-1:2008)

EN ISO 9241-410:2008/prA1 en  
Ergonomics of human-system interaction – Part 410: Design criteria for physical input devices (ISO 9241-410:2008/DAM 1:2010)  
Ergonomija međudjelovanja čovjek-sustav – 410. dio: Kriteriji za projektiranje uređaja za fizičko unošenje podataka (ISO 9241-410:2008/DAM 1:2010)

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

prEN ISO 12631 en  
Thermal performance of curtain walling – Calculation of thermal transmittance (ISO/DIS 12631:2010)

FprEN 15101-1 en  
Thermal insulation products for buildings – In-situ formed loose fill cellulose (LFCI) products – Part 1: Specification for the products before installation  
Toplinsko-izolacijski proizvodi za zgrade – Na mjestu oblikovani izolacijski proizvodi od celuloznog punila (LFCI) – 1. dio: Specifikacija za proizvode prije ugradnje

FprEN 15101-2 en  
Thermal insulation products for buildings – In-situ formed loose fill cellulose (LFCI) products – Part 2: Specification for the installed products  
Toplinsko-izolacijski proizvodi za zgrade – Na mjestu oblikovani izolacijski proizvodi od celuloznog punila (LFCI) – Part 2: Specifikacija za ugrađene proizvode

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

prEN ISO 25745-1 en  
Energy performance of lifts, escalators and moving walks – Part 1: Energy measurement and conformance (ISO/DIS 25745-1:2010)

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

FprEN 771-1 en  
Specification for masonry units – Part 1: Clay masonry units  
Specifikacije za zidne elemente – 1. dio: Opečni zidni elementi

FprEN 771-2 en  
Specification for masonry units – Part 2: Calcium silicate masonry units  
Specifikacije za zidne elemente – 2. dio: Vapnenosilikatni zidni elementi

FprEN 771-3 en  
Specification for masonry units – Part 3: Aggregate concrete masonry units (Dense and light weight aggregates)  
Specifikacije za zidne elemente – 3. dio: Betonski zidni elementi (gusti i lagani agregat)

FprEN 771-4 en  
Specification for masonry units – Part 4: Autoclaved aerated concrete masonry units  
Specifikacije za zidne elemente – 4. dio: Zidni elementi od porastoga betona

FprEN 771-5 en  
Specification for masonry units – Part 5: Manufactured stone masonry units  
Specifikacije za zidne elemente – 5. dio: Zidni elementi od umjetnoga kamena

FprEN 771-6 en  
Specification for masonry units – Part 6: Natural stone masonry units  
Specifikacije za zidne elemente – 6. dio: Zidni elementi od prirodnog kamena

EN 12269-2:2010 en  
Determination of the bond behaviour between reinforcing steel and autoclaved aerated concrete by the beam test – Part 2: Long term test  
Određivanje prionljivosti između čelika za armiranje i porastoga betona “ispitivanjem grede” – 2. dio: Dugotrajno ispitivanje

EN 15304:2010 en  
Determination of the freeze-thaw resistance of autoclaved aerated concrete  
Određivanje otpornosti na zamrzavanje i odmrzavanje porastoga betona

### **HZN/TO 184, Sustavi industrijske automatizacije i integracija**

ISO 841:2001 en  
Industrial automation systems and integration – Numerical control of machines – Coordinate system and motion nomenclature  
Sustavi industrijske automatizacije i integracija – Numeričko upravljanje strojevima – Nazivlje za koordinatne sustave i gibanja

ISO 13584-1:2001 en  
Industrial automation systems and integration – Parts library – Part 1: Overview and fundamental principles  
Sustavi industrijske automatizacije i integracija – Knjižnica dijelova – 1. dio: Pregled i osnovna načela

ISO 15926-1:2004 en  
Industrial automation systems and integration – Integration of life-cycle data for process plants including oil and gas production facilities – Part 1: Overview and fundamental principles  
Sustavi industrijske automatizacije i integracija – Integracija cjeloživotnih podataka za procesna postrojenja uključujući naftna i plinska proizvodna postrojenja – 1. dio: Pregled i osnovna načela

ISO 15926-2:2003 en  
Industrial automation systems and integration – Integration of life-cycle data for process plants including oil and gas production facilities – Part 2: Data model  
Sustavi industrijske automatizacije i integracija – Integracija cjeloživotnih podataka za procesna postrojenja uključujući naftna i plinska proizvodna postrojenja – 2. dio: Podatkovni model

### **HZN/TO 190, Kakvoća tla**

ISO 10381-6:2009 en  
Soil quality – Sampling – Part 6: Guidance on the collection, handling and storage of soil under aerobic conditions for the assessment of microbiological processes, biomass and diversity in the laboratory  
Kvaliteta tla – Uzorkovanje – 6. dio: Upute o sakupljanju, rukovanju i skladištenju tla u aerobnim uvjetima za ocjenjivanje mikrobioloških procesa, biomase i raznolikosti u laboratoriju

- ISO 10573:1995 en  
Soil quality – Determination of water content in the unsaturated zone – Neutron depth probe method  
Kvaliteta tla – Određivanje sadržaja vode u nesaturiranoj zoni – Neutronska metoda
- ISO 11277:2009 en  
Soil quality – Determination of particle size distribution in mineral soil material – Method by sieving and sedimentation  
Kvaliteta tla – Određivanje raspodjele veličine čestica (mehaničkog sastava) u mineralnom dijelu tla – Metoda prosijavanja i sedimentacije
- ISO 14239:1997 en  
Soil quality – Laboratory incubation systems for measuring the mineralization of organic chemicals in soil under aerobic conditions  
Kvaliteta tla – Laboratorijski sustav inkubacije za mjerenje mineralizacije organskih spojeva u tlu u aerobnim uvjetima
- ISO 15799:2003 en  
Soil quality – Guidance on the ecotoxicological characterization of soils and soil materials  
Kvaliteta tla – Upute za ekotoksikološku karakterizaciju tala i zemljišni materijali
- ISO 15903:2002 en  
Soil quality – Format for recording soil and site information  
Kvaliteta tla – Obrazac za snimanje tla i informacije o terenu
- ISO 16072:2002 en  
Soil quality – Laboratory methods for determination of microbial soil respiration  
Kvaliteta tla – Laboratorijske metode za određivanje mikrobiološkog disanja tla
- ISO 22030:2005 en  
Soil quality – Biological methods – Chronic toxicity in higher plants  
Kvaliteta tla – Biološke metode – Kronična toksičnost u viših biljaka
- ISO 25177:2008 en  
Soil quality – Field soil description  
Kvaliteta tla – Terenski opis tla

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

- prEN ISO 1828 en  
Health informatics – Categorial structure for classifications and coding systems of surgical procedures (ISO/DIS 1828:2010)
- prEN ISO 11238 en  
Health Informatics – Identification of medicinal products – Data and structures for unique identification and exchange of regulated information on substances (ISO/DIS 11238:2010)
- prEN ISO 11239 en  
Health informatics – Identification of medicinal products – Data elements and structures for unique identification and exchange of regulated information on pharmaceutical dose forms, units of presentation and routes of administration (ISO/DIS 11239:2010)
- prEN ISO 11240 en  
Health informatics – Identification of medicinal products – Data elements and structures for unique identification and exchange of units of measurement (ISO/DIS 11240:2010)
- prEN ISO 11615 en  
Health informatics – Identification of medicinal products – Data elements and structures for unique identification and exchange of regulated medicinal product information (ISO/DIS 11615:2010)

- prEN ISO 11616 en  
Health informatics – Identification of medicinal products – Data elements and structures for unique identification and exchange of regulated pharmaceutical product information (ISO/DIS 11616:2010)
- FprEN ISO 12052 en  
Health informatics – Digital imaging and communication in medicine (DICOM) including workflow and data management (ISO 12052:2006)
- FprEN ISO 12967-1 en  
Health informatics – Service architecture – Part 1: Enterprise viewpoint (ISO 12967-1:2009)
- FprEN ISO 12967-2 en  
Health informatics – Service architecture – Part 2: Information viewpoint (ISO 12967-2:2009)
- FprEN ISO 12967-3 en  
Health informatics – Service architecture – Part 3: Computational viewpoint (ISO 12967-3:2009)
- prEN 13940-2 en  
Health informatics – System of concepts to support continuity of care – Part 2: Health care process and workflow

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

- FprEN ISO 16212 en  
Cosmetics – Microbiology – Enumeration of yeast and mould (ISO 16212:2008)
- FprEN ISO 18415 en  
Cosmetics – Microbiology – Detection of specified and non-specified microorganisms (ISO 18415:2007)

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

- prEN 13629 rev en  
Wood flooring – Solid individual and pre-assembled hardwood boards

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

- FprEN 653 en  
Resilient floor coverings – Expanded (cushioned) polyvinyl chloride floor coverings – Specification  
Elastične podne obloge – Ekspandirane poli(vinil-kloridne) podne obloge – Specifikacija
- FprEN 654 en  
Resilient floor coverings – Semi-flexible polyvinyl chloride tiles – Specification  
Elastične podne obloge – Polusavitljive poli(vinil-kloridne) ploče – Specifikacija
- FprEN 655 en  
Resilient floor coverings – Tiles of agglomerated composition cork with polyvinyl chloride wear layer – Specification  
Elastične podne obloge – Ploče od aglomeriranog pluta s poli(vinil-kloridnim) habajućim slojem – Specifikacija
- FprEN 686 en  
Resilient floor coverings – Specification for plain and decorative linoleum on a foam backing  
Elastične podne obloge – Specifikacija za linoleum sa ili bez uzorka na pjenastoj podlozi
- FprEN 687 en  
Resilient floor coverings – Specification for plain and decorative linoleum on a corkment backing  
Elastične podne obloge – Specifikacija za linoleum sa ili bez uzorka na plutenoj podlozi
- FprEN 688 en  
Resilient floor coverings – Specification for corklinoleum  
Elastične podne obloge – Specifikacija za pluteni linoleum

## HZN/TO 221, *Geosintetici*

- prEN ISO 10772 en  
Test method for the determination of the filtration behaviour of geotextiles under turbulent water flow conditions (ISO/DIS 10772:2010)
- prEN ISO 10776 en  
Geotextiles and geotextile-related products – Determination of water permeability characteristics normal to the plane, under load (ISO/DIS 10776:2010)

## HZN/TO 502, *Plinski uređaji*

- prEN 126 en  
Multifunctional controls for gas burning appliances  
Višefunkcijske regulacijske (izvršne) naprave za plinske uređaje
- prEN 13203-4 en  
Gas fired domestic appliances producing hot water – Part 4: assessment of energy consumption of gas fired appliances combined heat and power (micro CHP) producing hot water and electricity not exceeding 70 kW heat input, not exceeding 50 kWe electrical output and 500 l water storage capacity
- prEN 16129 en  
Pressure regulators, automatic change-over devices, having a maximum regulated pressure of 4 bar, with a maximum capacity of 100kg/h, associated safety devices and adaptors for butane, propane, and their mixtures  
Regulatori tlaka, automatski preklopni uređaji s najvišim izlaznim tlakom do uključivo 4 bar i maksimalnim protokom od 100 kg/h, te pripadni sigurnosni uređaji i prijelazni fazonski dijelovi za butan, propan i njihove mješavine

## HZN/TO 503, *Metalni materijali*

- EN 485-1:2008+A1:2009 en  
Aluminium and aluminium alloys – Sheet, strip and plate – Part 1: Technical conditions for inspection and delivery  
Aluminij i aluminijeve legure – Limovi, trake i ploče – 1. dio: Tehnički uvjeti za preuzimanje i isporuku
- EN 573-3:2009 en  
Aluminium and aluminium alloys – Chemical composition and form of wrought products – Part 3: Chemical composition and form of products  
Aluminij i aluminijeve legure – Kemijski sastav i oblik gnječanih proizvoda – 3. dio: Kemijski sastav i oblik proizvoda
- EN 1676:2010 en  
Aluminium and aluminium alloys – Alloyed ingots for remelting – Specifications  
Aluminij i aluminijeve legure – Legirani ingoti za pretaljanje – Specifikacije
- EN 1706:2010 en  
Aluminium and aluminium alloys – Castings – Chemical composition and mechanical properties  
Aluminij i aluminijeve legure – Odljevci – Kemijski sastav i mehanička svojstva
- prEN 1976 en  
Copper and copper alloys – Cast unwrought copper products
- FprEN ISO 8251 en  
Anodizing of aluminium and its alloys – Measurement of abrasion resistance of anodic oxidation coatings (ISO/FDIS 8251:2010)  
Anodizacija aluminija i njegovih legura – Mjerenje otpornosti na abraziju prevlaka dobivenih anodnom oksidacijom (ISO/FDIS 8251:2010)
- prEN 10255 en

Non-alloy steel tubes suitable for welding and threading – Technical delivery conditions  
Cijevi od nelegiranog čelika pogodne za zavarivanje i narezivanje navoja – Tehnički uvjeti isporuke

- FprEN 10351 en  
Chemical analysis of ferrous materials – Inductively coupled plasma optical emission spectrometric analysis of unalloyed and low alloyed steels – Determination of Mn, P, Cu, Ni, Cr, Mo, V, Co, Al (total) and Sn (Routine method)  
Kemijska analiza materijala na bazi željeza – Optička emisijska spektrometrijska analiza s induktivnom spregnutom plazmom, nelegiranih i nisko legiranih čelika – Određivanje Mn, P, Cu, Ni, Cr, Mo, V, Co, Al (ukupno) i Sn (rutinska metoda)
- prEN 10352 en  
Stainless steel plumbing fittings – Fittings with press ends for metallic tubes  
Nehrđajuće čelične vodovodne spojnice – Spojnice s tlačnim završecima za metalne cijevi
- FprEN ISO 10893-1 en  
Non-destructive testing of steel tubes – Part 1: Automated electromagnetic testing of seamless and welded (except submerged arc-welded) steel tubes for the verification of hydraulic leaktightness instead of the hydrostatic test (ISO/FDIS 10893-1:2010)  
Nerazorno ispitivanje čeličnih cijevi – 1. dio: Automatizirano elektromagnetsko ispitivanje bešavnih i zavarenih (osim elektrolučno zavarenih pod praškom) čeličnih cijevi radi provjere hidrauličke nepropusnosti umjesto hidrostatskog ispitivanja (ISO/FDIS 10893-1:2010)
- FprEN ISO 10893-2 en  
Non-destructive testing of steel tubes – Part 2: Automated Eddy current testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of imperfections (ISO/FDIS 10893-2:2010)  
Nerazorno ispitivanje čeličnih cijevi – 2. dio: Automatizirano ispitivanje bešavnih i zavarenih (osim elektrolučno zavarenih pod praškom) čeličnih cijevi vrtložnim strujama radi otkrivanja nepravilnosti (ISO/FDIS 10893-2:2010)
- FprEN ISO 10893-3 en  
Non-destructive testing of steel tubes – Part 3: Automated full peripheral flux leakage testing of seamless and welded (except submerged arc-welded) ferromagnetic steel tubes for the detection of longitudinal and transverse imperfections (ISO/FDIS 10893-3:2010)  
Nerazorno ispitivanje čeličnih cijevi – 3. dio: Automatizirano ispitivanje mjerenjem propuštanja magnetskog toka bešavnih i zavarenih (osim elektrolučno zavarenih pod praškom) feromagnetskih čeličnih cijevi po cijelome opsegu radi otkrivanja uzdužnih i poprečnih nepravilnosti (ISO/FDIS 10893-3:2010)
- FprEN ISO 10893-4 en  
Non-destructive testing of steel tubes – Part 4: Liquid penetrant inspection of seamless and welded steel tubes for the detection of surface imperfections (ISO/FDIS 10893-4:2010)  
Nerazorno ispitivanje čeličnih cijevi – 4. dio: Pregled tekućim penetrantom bešavnih i zavarenih čeličnih cijevi radi otkrivanja površinskih nepravilnosti (ISO/FDIS 10893-4:2010)
- FprEN ISO 10893-5 en  
Non-destructive testing of steel tubes – Part 5: Magnetic particle inspection of seamless and welded ferromagnetic steel tubes for the detection of surface imperfections (ISO/FDIS 10893-5:2010)  
Nerazorno ispitivanje čeličnih cijevi – 5. dio: Pregled bešavnih i zavarenih feromagnetskih čeličnih cijevi magnetskim česticama radi otkrivanja površinskih nepravilnosti (ISO/FDIS 10893-5:2010)

- FprEN ISO 10893-6 en  
Non-destructive testing of steel tubes – Part 6: Radiographic testing of the weld seam of welded steel tubes for the detection of imperfections (ISO/FDIS 10893-6:2010)  
Nerazorno ispitivanje čeličnih cijevi – 6. dio: Radiografsko ispitivanje šavnog zavara elektrolučno zavarenih čeličnih cijevi radi otkrivanja nepravilnosti (ISO/FDIS 10893-6:2010)
- FprEN ISO 10893-7 en  
Non-destructive testing of steel tubes – Part 7: Digital radiographic testing of the weld seam of welded steel tubes for the detection of imperfections (ISO/FDIS 10893-7:2010)  
Nerazorno ispitivanje čeličnih cijevi – 7. dio: Digitalno radiografsko ispitivanje šavnog zavara elektrolučno zavarenih čeličnih cijevi radi otkrivanja nepravilnosti (ISO/FDIS 10893-7:2010)
- FprEN ISO 10893-8 en  
Non-destructive testing of steel tubes – Part 8: Automated ultrasonic testing of seamless and welded steel tubes for the detection of laminar imperfections (ISO/FDIS 10893-8:2010)  
Nerazorno ispitivanje čeličnih cijevi – 8. dio: Automatizirano ultrazvučno ispitivanje bešavnih i zavarenih čeličnih cijevi radi otkrivanja laminarnih nepravilnosti (ISO/FDIS 10893-8:2010)
- FprEN ISO 10893-9 en  
Non-destructive testing of steel tubes – Part 9: Automated ultrasonic testing of strips/plates used for the manufacture of welded steel tubes for the detection of laminar imperfections (ISO/FDIS 10893-9:2010)  
Nerazorno ispitivanje čeličnih cijevi – 9. dio: Automatizirano ultrazvučno ispitivanje traka/limova koji se upotrebljavaju za proizvodnju zavarenih čeličnih cijevi radi otkrivanja laminarnih nepravilnosti (ISO/FDIS 10893-9:2010)
- FprEN ISO 10893-10 en  
Non-destructive testing of steel tubes – Part 10: Automated full peripheral ultrasonic testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of longitudinal and transverse imperfections (ISO/FDIS 10893-10:2010)  
Nerazorno ispitivanje čeličnih cijevi – 10. dio: Automatizirano ultrazvučno ispitivanje bešavnih i zavarenih čeličnih cijevi po cijelom opsegu (osim elektrolučno zavarenih pod praškom) radi otkrivanja uzdužnih i poprečnih nepravilnosti (ISO/FDIS 10893-10:2010)
- FprEN ISO 10893-11 en  
Non-destructive testing of steel tubes – Part 11: Automated ultrasonic testing of weld seam of welded steel tubes for the detection of longitudinal and transverse imperfections (ISO/FDIS 10893-11:2010)  
Nerazorno ispitivanje čeličnih cijevi – 11. dio: Automatizirano ultrazvučno ispitivanje šavnih zavara elektro-zavarenih čeličnih cijevi radi otkrivanja uzdužnih i poprečnih nepravilnosti (ISO/FDIS 10893-11:2010)
- FprEN ISO 10893-12 en  
Non-destructive testing of steel tubes – Part 12: Automated full peripheral ultrasonic thickness testing of seamless and welded (except submerged arc-welded) steel tubes (ISO/FDIS 10893-12:2010)  
Nerazorno ispitivanje čeličnih cijevi – 12. dio: Automatizirano ultrazvučno ispitivanje debljine bešavnih i zavarenih (osim elektrolučno zavarenih pod praškom) čeličnih cijevi po cijelome opsegu (ISO/FDIS 10893-12:2010)
- EN 15622:2010 en  
Copper and copper alloys – Determination of lead content – Flame atomic absorption spectrometric method (FAAS)  
Bakar i legure bakra – Određivanje udjela olova – Metoda plamene atomske apsorpcijske spektrometrije (FAAS)

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

- EN 15771:2010 en  
Vitreous and porcelain enamels – Determination of surface scratch hardness according to the Mohs scale  
Staklasti i porculanski emajli – Određivanje površinske tvrdoće prema Mohsu
- FprEN ISO 26945 en  
Metallic and other inorganic coatings—Electrodeposited coatings of tin-cobalt alloy (ISO/FDIS 26945:2010)
- FprEN ISO 28706-1 en  
Vitreous and porcelain enamels – Determination of resistance to chemical corrosion – Part 1: Determination of resistance to chemical corrosion by acids at room temperature (ISO 28706-1:2008)
- FprEN ISO 28706-2 en  
Vitreous and porcelain enamels – Determination of resistance to chemical corrosion – Part 2: Determination of resistance to chemical corrosion by boiling acids, boiling neutral liquids and/or their vapours (ISO 28706-2:2008)
- FprEN ISO 28706-3 en  
Vitreous and porcelain enamels – Determination of resistance to chemical corrosion – Part 3: Determination of resistance to chemical corrosion by alkaline liquids using a hexagonal vessel (ISO 28706-3:2008)
- FprEN ISO 28706-4 en  
Vitreous and porcelain enamels – Determination of resistance to chemical corrosion – Part 4: Determination of resistance to chemical corrosion by alkaline liquids using a cylindrical vessel (ISO 28706-4:2008)

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

- prEN 12007-1 en  
Gas infrastructure— Pipelines for maximum operating pressure up to and including 16 bar – Part 1: General functional recommendations
- prEN 12007-2 en  
Gas infrastructure— Pipelines for maximum operating pressure up to and including 16 bar – Part 2: Specific functional recommendations for polyethylene (MOP up to and including 10 bar)
- prEN 12007-4 en  
Gas infrastructure— Pipelines for maximum operating pressure up to and including 16 bar – Part 4: Specific functional recommendations for renovation
- prEN 12327 en  
Gas infrastructure— Pressure testing, commissioning and decommissioning procedures – Functional requirements

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

- prEN ISO 10439-1 en  
Petroleum, petrochemical and natural gas industries – Axial and centrifugal compressors and expander-compressors – Part 1: General requirements (ISO/DIS 10439-1:2010)
- prEN ISO 10439-2 en  
Petroleum, petrochemical and natural gas industries – Axial and centrifugal compressors and expander-compressors – Part 2: Non-integrally geared centrifugal and axial compressors (ISO/DIS 10439-2:2010)
- prEN ISO 10439-3 en  
Petroleum, petrochemical and natural gas industries – Axial and centrifugal compressors and expander-compressors – Part 3: Integrally geared centrifugal compressors (ISO/DIS 10439-3:2010)



- prEN ISO 10439-4 en  
Petroleum, petrochemical and natural gas industries – Axial and centrifugal compressors and expander-compressors – Part 4: Expander-compressors (ISO/DIS 10439-4:2010)
- prEN ISO 13085 en  
Petroleum and natural gas industries – Aluminium alloy pipe for use as tubing for wells (ISO/DIS 13085:2010)
- prEN ISO 13628-8 en  
Petroleum and natural gas industries – Design and operation of subsea production systems – Part 8: Remotely operated tools and interfaces on subsea production systems (ISO/DIS 13628-8:2010)
- prEN ISO 13710 en  
Petroleum, petrochemical and natural gas industries – Reciprocating positive displacement pumps (ISO/DIS 13710:2010)  
Industrija nafte, petrokemije i prirodnog plina – Klipne pumpe (ISO/DIS 13710:2010)
- prEN ISO 27627 en  
Petroleum and natural gas industries – Aluminium alloy drill pipe thread connection gauging (ISO/DIS 27627:2010)

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

- prEN ISO 16495 en  
Packaging – Transport packaging for dangerous goods – Test methods (ISO/DIS 16495:2010)

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

- FprEN 1824 rev en  
Road marking materials – Road trials  
Materijali za oznake na kolniku – Ispitna kola
- FprEN 12802 rev en  
Road marking materials – Laboratory methods and identification  
Materijali za oznake na kolniku – Laboratorijske metode i utvrđivanje svojstava
- FprEN 13197 rev en  
Road marking materials – Turntable wear simulators
- FprEN 13212 rev en  
Road marking materials – Requirements for factory production control  
Materijali za oznake na kolniku – Zahtjevi za tvorničkom kontrolom proizvodnje
- FprEN 13459 en  
Road marking materials – Sampling and testing

### **HZN/TO 513/PO 2, Mjerne jedinice i mjerila; Mjerila protoka plina, tlakomjeri**

- prEN 12480 en  
Gas meters – Rotary displacement meters

### **HZN/TO 513/PO 3, Mjerne jedinice i mjerila; Mjerila protoka tekućine u cjevovodima**

- EN 14154-2:2005/FprA2 en  
Water meters – Part 2: Installation and conditions of use
- EN 14154-3:2005+A1:2007/FprA2 en  
Water meters – Part 3: Test methods and equipment

### **HZN/TO 517, Posebne vrste konstrukcija**

- EN 15129:2009 en  
Anti-seismic devices  
Protupotresne naprave

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

- prEN 828 rev en  
Adhesives – Wettability – Determination by measurement of contact angle and surface free energy of solid surface
- FprEN 1238 en  
Adhesives – Determination of the softening point of thermoplastic adhesives (ring and ball)
- FprEN 1239 en  
Adhesives – Freeze-thaw stability
- FprEN 1240 en  
Adhesives – Determination of hydroxyl value and/or hydroxyl content
- FprEN 1243 en  
Adhesives – Determination of free formaldehyde in amino and amidoformaldehyde condensates
- FprEN 1245 en  
Adhesives – Determination of pH
- FprEN 1965-1 en  
Structural adhesives – Corrosion – Part 1: Determination and classification of corrosion to a copper substrate
- FprEN 1965-2 en  
Structural adhesives – Corrosion – Part 2: Determination and classification of corrosion to a brass substrate
- FprEN 12705 en  
Adhesives for leather and footwear materials – Determination of colour change of white or bright coloured leather surfaces by migration
- FprEN 12962 en  
Adhesives – Determination of elastic behaviour of liquid adhesives (elasticity index)
- FprEN 14869-1 en  
Structural adhesives – Determination of shear behaviour of structural bonds – Part 1: Torsion test method using butt-bonded hollow cylinders (ISO 11003-1:2001, MOD)
- FprEN 14869-2 en  
Structural adhesives – Determination of shear behaviour of structural bonds – Part 2: Thick adherends shear test (ISO 11003-2:2001, MOD)

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

- prEN 840-1 rev en  
Mobile waste containers – Containers with 2 wheels with a capacity up to 400 l for comb lifting devices, dimensions and design
- prEN 840-2 rev en  
Mobile waste containers – Part 2: Containers with 4 wheels with a capacity up to 1300 l with flat lid(s), for trunnion and/or comb lifting devices – Dimensions and design
- prEN 840-3 rev en  
Mobile waste containers – Part 3: Containers with 4 wheels with a capacity up to 1300 l with dome lid(s), for trunnion and/or comb lifting devices – Dimensions and design
- prEN 840-4 rev en  
Mobile waste containers – Part 4: Containers with 4 wheels with a capacity up to 1700 l with flat lid(s), for wide trunnion or BG- and/or wide comb lifting devices – Dimensions and design
- prEN 840-5 rev en  
Mobile waste containers – Part 5: Performance requirements and test methods
- prEN 840-6 rev en  
Mobile waste containers – Part 6: Safety and health requirements

- EN 14701-4:2010 en  
Characterization of sludges – Filtration properties – Part 4: Determination of the drainability of flocculated sludges  
Karakterizacija mulja – Filtracijska svojstva – 4. dio: Određivanje isušenih flokuliranih muljeva
- prEN 16192 en  
Characterization of waste – Analysis of eluates
- prEN 16194 en  
Mobile non-sewer-connected toilet cabins – Requirements of services and products relating to the deployment of cabins and sanitary products

### **HZN/TO 525/PO 2, Hidroizolacijski materijali i proizvodi za pokrivanje krovova; Proizvodi za oblaganje krovova i zidova**

- prEN 492 en  
Fibre-cement slates and fittings – Product specification and test methods
- prEN 494 en  
Fibre-cement profiled sheets and fittings – Product specification and test methods
- FprEN 544 en  
Bitumen shingles with mineral and/or synthetic reinforcements – Product specification and test methods
- FprEN 12326-2 en  
Slate and stone for discontinuous roofing and external cladding – Part 2: Methods of test for slate and carbonate slate
- prEN 12467 en  
Fibre-cement flat sheets – Product specification and test methods
- prEN 16153 en  
Light transmitting flat multiwall polycarbonate (PC) sheets for internal and external roofs, walls and ceilings – Requirements and test methods

### **HZN/TO 528, Oprema za željeznice**

- FprEN ISO 3381 en  
Railway applications – Acoustics – Measurement of noise inside railbound vehicles (ISO 3381:2005)
- EN 13262:2004/FprA2 en  
Railway applications – Wheelsets and bogies – Wheels – Product requirements
- EN 13979-1:2003/FprA2 en  
Railway applications – Wheelsets and bogies – Monobloc wheels – Technical approval procedure – Part 1: Forged and rolled wheels
- prEN 16185-1 en  
Railway applications – Braking systems of multiple unit trains – Part 1: Requirements and definitions
- prEN 16185-2 en  
Railway applications – Braking systems of multiple unit trains – Part 2: Test methods
- prEN 16186-1 en  
Railway applications – Driver's cab – Part 1: Visibility, layout, access
- prEN 16207 en  
Railway applications – Braking – Functional and performance criteria of Electromagnetic Track Brake systems for use in railway rolling stock

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

- EN ISO 178:2010 en  
Plastics – Determination of flexural properties (ISO 178:2010)  
Plastika – Određivanje svojstava (ISO 178:2010)

- FprEN ISO 1825 en  
Rubber hoses and hose assemblies for aircraft ground fuelling and defuelling – Specification (ISO 1825:2010)
- EN ISO 1874-1:2010 en  
Plastics – Polyamide (PA) moulding and extrusion materials – Part 1: Designation system and basis for specification (ISO 1874-1:2010)  
Plastika – Poliamidni (PA) materijali za kalupljenje i ekstrudiranje – 1. dio: Sustav označavanja i osnova za specifikaciju (ISO 1874-1:2010)
- EN ISO 1874-2:2006/A1:2010 en  
Plastics – Polyamide (PA) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties – Amendment 1: Laser sintering of specimens (ISO 1874-2:2006/Amd 1:2010)  
Plastika – Poliamidni (PA) materijali za kalupljenje i ekstrudiranje – 2. dio: Priprema ispitaka i određivanje svojstava – Amandman 1: Lasersko sinteriranje ispitaka (ISO 1874-2:2006/Amd 1:2010)
- FprEN ISO 3994 en  
Plastics hoses – Helical-thermoplastic-reinforced thermoplastics hoses for suction and discharge of aqueous materials – Specification (ISO 3994:2007)
- FprEN ISO 4641 en  
Rubber hoses and hose assemblies for water suction and discharge – Specification (ISO 4641:2010)
- FprEN ISO 8331 en  
Rubber and plastics hoses and hose assemblies – Guidelines for selection, storage, use and maintenance (ISO 8331:2007)
- EN ISO 10352:2010 en  
Fibre-reinforced plastics – Moulding compounds and prepregs – Determination of mass per unit area (ISO 10352:2010)  
Vlaknima ojačana plastika – Smjese za prešanje i preprezi – Određivanje mase po jedinici površine (ISO 10352:2010)
- EN ISO 11337:2010 en  
Plastics – Polyamides – Determination of  $\epsilon$ -caprolactam and  $\omega$ -laurolactam by gas chromatography (ISO 11337:2010)  
Plastika – Poliamidi – Određivanje  $\epsilon$ -kaprolaktama i  $\omega$ -laurolaktama plinskom kromatografijom (ISO 11337:2010)
- EN ISO 14125:1998/FprA1 en  
Fibre-reinforced plastic composites – Determination of flexural properties – Amendment 1 (ISO 14125:1998/FDAM 1:2010)
- prEN 14420-1 en  
Hose fittings with clamp units – Part 1: Requirements, survey, designation and testing
- prEN 14420-2 en  
Hose fittings with clamp units – Part 2: Hose side parts of hose tail
- prEN 14420-3 en  
Hose fittings with clamp units – Part 3: Clamp units, bolted or pinned
- prEN 14420-4 en  
Hose fittings with clamp units – Part 4: Flange connections
- prEN 14420-5 en  
Hose fittings with clamp units – Part 5: Threaded connections
- prEN 14420-6 en  
Hose fittings with clamp units – Part 6: TW tank truck couplings
- prEN 14420-7 en  
Hose fittings with clamp units – Part 7: Cam locking couplings

- prEN 14420-8 en  
Hose fittings with clamp units – Part 8: Symmetrical half coupling (Guillemin system)
- prEN 14422 en  
Clamp type coupling assemblies for LPG transfer hoses
- prEN 14423 en  
Clamp type coupling assemblies for use with steam hoses rated for pressures up to 18 bar
- prEN 14424 en  
Hose fittings with screwed ferrules

### **HZN/TO 532, Dimnjaci**

- prEN 13084-7 en  
Free-standing chimneys – Product specifications of cylindrical steel fabrications for use in single wall steel chimneys and steel liners

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

- prEN 13575 en  
Static thermoplastic tanks for the above ground storage of chemicals – Blow moulded or rotationally moulded polyethylene tanks – Requirements and test methods
- EN 13617-1:2004+A1:2009 en  
Petrol filling stations – Part 1: Safety requirements for construction and performance of metering pumps, dispensers and remote pumping units  
Benzinske stanice – 1. dio: Sigurnosni zahtjevi za konstrukciju i izvedbu mjernih crpki, mjernih uređaja za istakanje goriva i pokretnih crpnih jedinica

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

- FprEN 674 en  
Glass in building – Determination of thermal transmittance (U value) – Guarded hot plate method
- FprEN 675 en  
Glass in building – Determination of thermal transmittance (U value) – Heat flow meter method
- prEN 12217 en  
Doors – Operating forces – Requirements and classification

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

- prEN ISO 6433 en  
Technical product documentation – Part references (ISO/DIS 6433:2010)

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

- EN 13053:2006/FprA1 en  
Ventilation for buildings – Air handling units – Rating and performance for units, components and sections  
Ventilacija u zgradama – Centralne jedinice za pripremu zraka – Podjela i značajke jedinica, dijelova i sekcija
- prEN 13142 en  
Ventilation for buildings – Components/products for residential Ventilation – Required and optional performance characteristics  
Ventilacija u zgradama – Dijelovi/proizvodi za stambenu ventilaciju – Zahtjevi i dodatne značajke

### **HZN/TO 543, Poštanske usluge**

- EN 14012:2008 en  
Postal services – Quality of service – Complaints handling principles  
Poštanske usluge – Kvaliteta usluge – Načela rukovanja pritužbama

### **HZN/TO 544, Strojni elementi**

- FprEN ISO 4014 rev en  
Hexagon head bolts – Product grades A and B (ISO/FDIS 4014:2010)  
Vijci sa šesterokutnom glavom – Proizvod razreda A i B (ISO/FDIS 4014:2010)
- FprEN ISO 4016 en  
Hexagon head bolts – Product grade C (ISO/FDIS 4016:2010)  
Vijci sa šesterokutnom glavom – Proizvod razreda C (ISO/FDIS 4016:2010)
- FprEN ISO 4017 en  
Hexagon head screws – Product grades A and B (ISO/FDIS 4017:2010)  
Vijci sa šesterokutnom glavom i navojem do glave – Proizvod razreda A i B (ISO/FDIS 4017:2010)
- FprEN ISO 4018 en  
Hexagon head screws – Product grade C (ISO/FDIS 4018:2010)  
Vijci sa šesterokutnom glavom i navojem do glave – Proizvod razreda C (ISO/FDIS 4018:2010)
- FprEN ISO 7048 en  
Cross-recessed cheese head screws (ISO/FDIS 7048:2010)  
Vijci sa stožastom glavom s križnim upustom (ISO/FDIS 7048:2010)
- FprEN ISO 8676 rev en  
Hexagon head screws with metric fine pitch thread – Product grades A and B (ISO/FDIS 8676:2010)  
Vijci sa šesterokutnom glavom i finim metričkim navojem – Proizvod razreda A i B (ISO/FDIS 8676:2010)
- FprEN ISO 8765 en  
Hexagon head bolts with metric fine pitch thread – Product grades A and B (ISO/FDIS 8765:2010)  
Vijci sa šesterokutnom glavom i finim metričkim navojem – Proizvod razreda A i B (ISO/FDIS 8765:2010)
- FprEN ISO 10510 en  
Tapping screw and washer assemblies with plain washers (ISO/FDIS 10510:2010)  
Sklopovi vijaka za lim s ravnim podložnim pločicama (ISO/FDIS 10510:2010)
- FprEN ISO 14579 en  
Hexalobular socket head cap screws (ISO/FDIS 14579:2010)  
Glavati vijci sa šesterokrakim zvjezdastim upustom (ISO/FDIS 14579:2010)
- FprEN ISO 14580 en  
Hexalobular socket cheese head screws (ISO/FDIS 14580:2010)  
Vijci sa stožastom glavom i šesterokrakim zvjezdastim upustom (ISO/FDIS 14580:2010)
- FprEN ISO 14583 en  
Hexalobular socket pan head screws (ISO/FDIS 14583:2010)  
Vijci s valjkastom zaobljenom glavom i šesterokrakim zvjezdastim upustom (ISO/FDIS 14583:2010)
- FprEN ISO 14584 en  
Hexalobular socket raised countersunk head screws (ISO/FDIS 14584:2010)  
Vijci s upuštenom lećastom glavom i šesterokrakim zvjezdastim upustom (ISO/FDIS 14584:2010)

- FprEN ISO 14585 en  
Hexalobular socket pan head tapping screws (ISO/FDIS 14585:2010)  
Vijci za lim s valjkastom zaobljenom glavom i šesterokrakim zvjezdastim upustom (ISO/FDIS 14585:2010)
- FprEN ISO 14586 en  
Hexalobular socket countersunk head tapping screws (ISO/FDIS 14586:2010)  
Vijci za lim s upuštrenom glavom i šesterokrakim zvjezdastim upustom (ISO/FDIS 14586:2010)
- FprEN ISO 14587 en  
Hexalobular socket raised countersunk (oval) head tapping screws (ISO/FDIS 14587:2010)  
Vijci za lim s upuštrenom lećastom glavom i šesterokrakim zvjezdastim upustom (ISO/FDIS 14587:2010)

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

- prEN 16163 en  
Conservation of cultural property—Exhibition lighting of cultural property

### **HZN/TO 548, Konstrukcijski eurokodovi**

- EN 1996-1-1:2005/prA1 en  
Eurocode 6: Design of masonry structures—Part 1-1: General rules for reinforced and unreinforced masonry structures
- EN 1998-2:2005/A1:2009 en  
Eurocode 8—Design of structures for earthquake resistance—Part 2: Bridges  
Eurokod 8—Projektiranje konstrukcija otpornih na potres—2. dio: Mostovi
- EN 1998-2:2005/FprA2 en  
Eurocode 8: Design of structures for earthquake resistance—Part 2: Bridges  
Eurokod 8—Projektiranje konstrukcija otpornih na potres—2. dio: Mostovi
- EN 1999-1-3:2007/FprA1 en  
Eurocode 9: Design of aluminium structures—Part 1-3: Structures susceptible to fatigue
- EN 1999-1-4:2007/FprA1 en  
Eurocode 9: Design of aluminium structures—Part 1-4: Cold-formed structural sheeting

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

- prEN 890 en  
Chemicals used for treatment of water intended for human consumption—Iron (III) sulfate, liquid

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

- prEN 13225 rev en  
Precast concrete products—Linear structural elements

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

- prEN 13508-1 rev en  
Investigation and assessment of drain and sewer systems outside buildings—Part 1: General Requirements

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

- EN 13060:2004+A2:2010 en  
Small steam sterilizers  
Mali sterilizatori parom
- CR 13825:2000 en  
Luer connectors—A report to CEN chef from the CEN forum task group “Luer fittings”  
Luer spojnici—Izvešće radne skupine “Luer oprema”, predsjedavajućem CEN-a

- CR 14060:2000 en  
Medical device traceability  
Sljedivost medicinskih sredstava

- EN ISO 18113-1:2009 en  
In vitro diagnostic medical devices—Information supplied by the manufacturer (labelling)—Part 1: Terms, definitions and general requirements (ISO 18113-1:2009)  
Medicinski proizvodi za in vitro dijagnostiku—Informacije proizvođača (označivanje)—1. dio: Nazivi, definicije i opći zahtjevi (ISO 18113-1:2009)

- EN ISO 18113-2:2009 en  
In vitro diagnostic medical devices—Information supplied by the manufacturer (labelling)—Part 2: In vitro diagnostic reagents for professional use (ISO 18113-2:2009)  
Medicinski proizvodi za in vitro dijagnostiku—Informacije proizvođača (označivanje)—2. dio: Dijagnostički reagensi za upotrebu in vitro (ISO 18113-2:2009)

- EN ISO 18113-3:2009 en  
In vitro diagnostic medical devices—Information supplied by the manufacturer (labelling)—Part 3: In vitro diagnostic instruments for professional use (ISO 18113-3:2009)  
Medicinski proizvodi za in vitro dijagnostiku—Informacije proizvođača (označivanje)—3. dio: Dijagnostički uređaji za upotrebu in vitro (ISO 18113-3:2009)

- EN ISO 18113-4:2009 en  
In vitro diagnostic medical devices—Information supplied by the manufacturer (labelling)—Part 4: In vitro diagnostic reagents for self-testing (ISO 18113-4:2009)  
Medicinski proizvodi za in vitro dijagnostiku—Informacije proizvođača (označivanje)—4. dio: Dijagnostički reagensi za samoispitivanje in vitro (ISO 18113-4:2009)

- EN ISO 18113-5:2009 en  
In vitro diagnostic medical devices—Information supplied by the manufacturer (labelling)—Part 5: In vitro diagnostic instruments for self-testing (ISO 18113-5:2009)  
Medicinski proizvodi za in vitro dijagnostiku—Informacije proizvođača (označivanje)—5. dio: Dijagnostički uređaji za samoispitivanje in vitro (ISO 18113-5:2009)

- CEN ISO/TS 22367:2010 en  
Medical laboratories—Reduction of error through risk management and continual improvement (ISO/TS 22367:2008, including Cor 1:2009)

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

- EN 12254:2010 en  
Screens for laser working places—Safety requirements and testing  
Zaslони za radna mjesta s laserom—Sigurnosni zahtjevi i ispitivanje

### **HZN/TO 557, Zaštitna odjeća**

- EN 14404:2004+A1:2010 en  
Personal protective equipment—Knee protectors for work in the kneeling position  
Osobna zaštitna oprema—Štitnici za koljena za rad u klečećemu položaju

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

- EN 593:2009/FprA1 en  
Industrial valves—Metallic butterfly valves  
Industrijski zaporni uređaji—Metalne leptiraste zaklopke



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

- prEN ISO 4920 en  
Textiles – Determination of resistance to surface wetting (spray test) (ISO/DIS 4920:2010)
- prEN ISO 6330 en  
Textiles – Domestic washing and drying procedures for textile testing (ISO/DIS 6330:2010)
- FprEN 13772 en  
Textiles and textile products – Burning behaviour – Curtains and drapes – Measurement of flame spread of vertically oriented specimens with large ignition source  
Tekstil i tekstilni proizvodi – Ponašanje pri gorenju – Zavjese i zastori – Mjerenje širenja plamena vertikalno postavljenih uzoraka izloženih velikom izvoru plamena
- FprEN 15973 en  
Rubber- or plastic-coated fabrics – Upholstery fabrics – Resistance to soiling  
Gumom ili plastikom naslojen plošni tekstil – Tkanine za presvlake – Otpornost na onečišćenje
- FprEN 15977 en  
Rubber or plastic coated fabrics – Mechanical properties – Determination of the elongation under load and the residual deformation  
Gumom ili plastikom naslojen plošni tekstil – Mehanička svojstva – Određivanje produljenja pod opterećenjem i zaostala deformacija
- EN ISO 32100:2010 en  
Rubber- or plastics-coated fabrics – Physical and mechanical tests – Determination of flex resistance by the flexometer method (ISO 32100:2010)  
Gumom ili plastikom naslojen plošni tekstil – Fizikalna i mehanička ispitivanja – Određivanje otpornosti na savijanje metodom fleksometra (ISO 32100:2010)

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

- EN ISO 7225:2007/prA1 en  
Gas cylinders – Precautionary labels (ISO 7225:2005/DAM 1:2010)  
Plinske boce – Oznake upozorenja (ISO 7225:2005/DAM 1:2010)
- EN 13445-2:2009/prA1 en  
Unfired pressure vessels – Part 2: Materials  
Neložene tlačne posude – 2. dio: Materijali
- EN 13445-2:2009/prA2 en  
Unfired pressure vessels – Part 2: Materials  
Neložene tlačne posude – 2. dio: Materijali
- prEN ISO 14246 en  
Gas cylinders – Cylinder valves – Manufacturing tests and examinations (ISO/DIS 14246:2010)  
Plinske boce – Ventilni boca – Proizvodna ispitivanja i pregledi (ISO/DIS 14246:2010)
- FprEN 14894 en  
LPG equipment and accessories – Cylinder and drum marking  
Oprema i pribor za UNP – Boce i spremnici, označavanje
- FprEN ISO 22434 en  
Transportable gas cylinders – Inspection and maintenance of cylinder valves (ISO 22434:2006)  
Prenosive plinske boce – Pregled i održavanje ventila boca (ISO 22434:2006)

## **HZN/TO 562, Alatni strojevi i alati**

- prEN 848-3 rev en  
Safety of woodworking machines – One side moulding machines with rotating tools – Part 3: Numerically controlled (NC) boring and routing machines

Sigurnost strojeva za obradu drva – Jednostrani strojevi za oblikovanje kalupa rotirajućim alatom – 3. dio: Numeričko upravljani strojevi (NC) za bušenje i vođenje po krivulji

- prEN 1870-7 rev 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
- prEN 1870-8 rev 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 krajčenje i paranje s pogonom kružne pile i ručnim ulaganjem i/ili odlaganjem
- EN 1870-15:2004+A1:2009 en  
Safety of woodworking machines – Circular sawing machines – Part 15: Multiblade cross-cut sawing machines with integrated feed of the workpiece and manual loading and/or unloading  
Sigurnost strojeva za obradu drveta – Kružne pile – 15. dio: Višelistne kružne pile s ugrađenim posmakom obratka i ručnim ulaganjem i/ili odlaganjem
- EN 12413:2007/FprA1 en  
Safety requirements for bonded abrasive products  
Sigurnosni zahtjevi za proizvode od lijepljenih abraziva

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

- EN 1010-5:2005/FprA1 en  
Safety of machinery – Safety requirements for the design and construction of printing and paper converting machines – Part 5: Machines for the production of corrugated board and machines for the conversion of flat and corrugated board
- EN 1034-13:2005+A1:2009 en  
Safety of machinery – Safety requirements for the design and construction of paper making and finishing machines – Part 13: Machines for de-wiring bales and units
- EN ISO 12100:2010 en  
Safety of machinery – General principles for design – Risk assessment and risk reduction (ISO 12100:2010)  
Sigurnost strojeva - Opća načela za projektiranje - Procjena i smanjivanje rizika (ISO 12100:2010)

## **HZN/TO 568, Analize hrane - Horizontalne metode**

- prEN 16155 en  
Foodstuffs – Determination of sucralose – High performance liquid chromatographic method
- prEN 16204 en  
Foodstuffs – Determination of Lipophilic Algal Toxins (DSP-Toxins, Yessotoxins, Azaspiracids, Pectenotoxins) in Shellfish and Shellfish products by LC-MS/MS

## **HZN/TO 569, Hrana za životinje**

- prEN 15621 en  
Animal feeding stuffs – Determination of calcium, sodium, phosphorus, magnesium, potassium, sulphur, iron, zinc, copper, manganese and cobalt after pressure digestion by ICP-AES
- prEN 16158 en  
Animal feeding stuffs – Determination of semduramicin content – Liquid chromatographic method using a tree analytical approach
- prEN 16159 en  
Animal feeding stuffs – Determination of selenium by hydride generation atomic absorption spectrometry (HGAAS) after microwave digestion (extraction with 65% nitric acid and 30% hydrogen peroxide)

- prEN 16160 en  
Animal feeding stuffs – Determination of Hydrocyanic acid by HPLC
- prEN 16162 en  
Animal feeding stuffs – Determination of Decoquinatone by HPLC with fluorescence detection
- prEN 16206 en  
Animal feeding stuffs – Determination of arsenic by hydride generation atomic absorption spectrometry (HGAAS) after microwave pressure digestion (Extraction with 65% nitric acid and 30% hydrogen peroxide)

### **HZN/TO E9, Električna oprema za željeznicu**

- FprEN 50122-1:2010 en  
Railway applications – Fixed installations – Electrical safety, earthing and the return circuit – Part 1: Protective provisions against electric shock
- FprEN 50122-1:2010/FprAA:2010 en  
Railway applications – Fixed installations – Electrical safety, earthing and the return circuit – Part 1: Protective provisions against electric shock
- FprEN 61881-2:2010 en  
Railway applications – Rolling stock equipment – Capacitors for power electronics – Part 2: Aluminium electrolytic capacitors with non solid electrolyte (IEC 61881-2:201X)
- FprEN 61881-3:2010 en  
Railway applications – Rolling stock equipment – Capacitors for power electronics – Part 3: Electric double-layer capacitors (IEC 61881-3:201X)

### **HZN/TO E10, Fluidi za primjenu u elektrotehnici**

- FprEN 60422:2010 en  
Mineral insulating oils in electrical equipment – Supervision and maintenance guidance (IEC 60422:201X)

### **HZN/TO E17, Sklopni i upravljački uređaji**

- FprEN 61915-2:2010 en  
Low-voltage switchgear and controlgear – Device profiles for networked industrial devices – Part 2: Root device profiles for starters and similar equipment (IEC 61915-2:201X)

### **HZN/TO E20, Električni kabeli**

- FprEN 50363-0:2010 en  
Insulating, sheathing and covering materials for low-voltage energy cables – Part 0: General introduction
- EN 50363-2-1:2005/FprAA:2010 en  
Insulating, sheathing and covering materials for low voltage energy cables – Part 2-1: Cross-linked elastomeric sheathing compounds
- EN 50363-3:2005/FprAA:2010 en  
Insulating, sheathing and covering materials for low voltage energy cables – Part 3: PVC insulating compounds
- EN 50363-5:2005/FprAA:2010 en  
Insulating, sheathing and covering materials for low voltage energy cables – Part 5: Halogen-free, cross-linked insulating compounds
- EN 50363-6:2005/FprAA:2010 en  
Insulating, sheathing and covering materials for low voltage energy cables – Part 6: Halogen-free, cross-linked sheathing compounds
- EN 50363-8:2005/FprAA:2010 en  
Insulating, sheathing and covering materials for low voltage energy cables – Part 8: Halogen-free, thermoplastic sheathing compounds
- EN 50395:2005/FprAA:2010 en  
Electrical test methods for low voltage energy cables
- EN 50396:2005/FprAA:2010 en  
Non electrical test methods for low voltage energy cables

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

- EN 61008-1:2004/prAC:2010 en  
Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) – Part 1: General rules
- EN 61009-1:2004/prAD:2010 en  
Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) – Part 1: General rules

### **HZN/TO E31, Eksplozivne atmosfere**

- EN ISO 16852:2010 en  
Flame arresters – Performance requirements, test methods and limits for use (ISO 16852:2008+Cor 1:2008+Cor 2:2009)  
Odvodnici plamena – Zahtjevi za pogonska svojstva, ispitne metode i ograničenja za uporabu (ISO 16852:2008+Cor 1:2008+Cor 2:2009)
- EN 50104:2010 en  
Electrical apparatus for the detection and measurement of oxygen – Performance requirements and test methods  
Električni uređaji za otkrivanje i mjerenje kisika – Zahtjevi za pogonska svojstva i ispitne metode
- EN 50223:2010 en  
Stationary electrostatic application equipment for ignitable flock material – Safety requirements  
Stacionarna oprema za elektrostatsko nanošenje zapaljivih vlaknaca – Sigurnosni zahtjevi
- EN 50271:2010 en  
Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen – Requirements and tests for apparatus using software and/or digital technologies  
Električni uređaji za otkrivanje i mjerenje zapaljivih plinova, otrovnih plinova ili kisika – Zahtjevi za ispitivanje uređaja koji upotrebljavaju računalni program (software) i/ili digitalne tehnologije
- EN 60079-20-1:2010 en  
Explosive atmospheres – Part 20-1: Material characteristics for gas and vapour classification – Test methods and data (IEC 60079-20-1:2010)  
Eksplozivne atmosfere – Dio 20-1: Svojstva plinova i para za njihovu klasifikaciju – Ispitne metode i podaci (IEC 60079-20-1:2010)
- EN 60079-25:2010 en  
Explosive atmospheres – Part 25: Intrinsically safe electrical systems (IEC 60079-25:2010)  
Eksplozivne atmosfere – 25. dio: Samosigurni električni sustavi (IEC 60079-25:2010)

### **HZN/TO E34, Žarulje, svjetiljke i pripadna oprema**

- EN 62031:2008/FprA1:2010 en  
LED modules for general lighting – Safety specifications (IEC 62031:2008/am1:201X)

### **HZN/TO E37, Odvodnici prenapona**

- FprEN 60099-5:2010 en  
Surge arresters – Part 5: Selection and application recommendations (IEC 60099-5:201X)

### **HZN/TO E38, Mjerni transformatori**

- FprEN 61869-2:2010 en  
Instrument transformers – Part 2: Current transformers (IEC 61869-2:201X)

### **HZN/TO E44, Elektrotehnička sigurnost strojeva**

- EN 61496-1:2004/FprA2:2010 en  
Safety of machinery – Electro-sensitive protective equipment – Part 1: General requirements and tests (IEC 61496-1:2004/am2:201X)

CLC/TR 62061-1:2010 en  
Guidance on the application of ISO 13849-1 and IEC 62061 in the design of safety-related control systems for machinery (IEC/TR 62061-1:2010)  
Smjernice za primjenu ISO 13849-1 i IEC 62061 u projektiranju sigurnosti sustava nadzora strojeva (IEC/TR 62061-1:2010)

### **HZN/TO E56, Pouzdanost**

EN 62502:2010 en  
Analysis techniques for dependability – Event tree analysis (ETA) (IEC 62502:2010)  
Metode analize pouzdanosti – Analiza stablom događaja (IEC 62502:2010)

EN 62508:2010 en  
Guidance on human aspects of dependability (IEC 62508:2010)  
Smjernice za procjene pouzdanosti osoblja (IEC 62508:2010)

FprEN 62551:2010 en  
Analysis techniques for dependability – Petri net techniques (IEC 62551:201X)

### **HZN/TO E57, Upravljanje energetskim sustavom i pridružene komunikacije**

FprEN 61850-7-410:2010 en  
Communication networks and systems for power utility automation – Part 7-410: Hydroelectric power plants – Communication for monitoring and control (IEC 61850-7-410:201X)

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

FprEN 60350-1:2010 en  
Household electric cooking appliances – Part 1: Ranges, ovens, steam ovens and grills – Methods for measuring performance (IEC 60350-1:201X)

FprEN 60350-2:2010 en  
Household electric cooking appliances – Part 2: Hobs – Methods for measuring performance (IEC 60350-2:201X)

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

EN 50408:2008/FprAA:2010 en  
Household and similar electrical appliances – Safety – Particular requirements for cab heaters for vehicles

FprEN 60335-1:2010 en  
Household and similar electrical appliances – Safety – Part 1: General requirements (IEC 60335-1:2010)

EN 60335-1:2002/FprAG:2010 en  
Household and similar electrical appliances – Safety – Part 1: General requirements

FprEN 60335-1:2010/FprAA:2010 en  
Household and similar electrical appliances – Safety – Part 1: General requirements

FprEN 61029-2-1:2010 en  
Safety of transportable motor-operated electric tools – Part 2-1: Particular requirements for circular saw benches (IEC 61029-2-1:1993, MOD+am1:1999+am2:2001)

FprEN 61029-2-11:2010 en  
Safety of transportable motor-operated electric tools – Part 2-11: Particular requirements for combined mitre and bench saws (IEC 61029-2-11:2001, MOD)

FprEN 61029-2-5:2010 en  
Safety of transportable motor-operated electric tools – Part 2-5: Particular requirements for band saws (IEC 61029-2-5:1993, MOD+am1:2001)

FprEN 61029-2-9:2010 en  
Safety of transportable motor-operated electric tools – Part 2-9: Particular requirements for mitre saws (IEC 61029-2-9:1995, MOD)

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

FprEN 60601-2-10:2010 en  
Medical electrical equipment – Part 2-10: Particular requirements for the basic safety and essential performance of nerve and muscle stimulators (IEC 60601-2-10:201X)

FprEN 60601-2-3:2010 en  
Medical electrical equipment – Part 2-3: Particular requirements for the basic safety and essential performance of short-wave therapy equipment (IEC 60601-2-3:201X)

FprEN 60601-2-6:2010 en  
Medical electrical equipment – Part 2-6: Particular requirements for the basic safety and essential performance of microwave therapy equipment (IEC 60601-2-6:201X)

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

FprHD 60364-7-714:2010 en  
Low-voltage electrical installations – Part 7-714: Requirements for special installations or locations – External lighting installations (IEC 60364-7-714:201X)

FprHD 60364-7-715:2010 en  
Low-voltage electrical installations – Part 7-715: Requirements for special installations or locations – Extra-low-voltage lighting installations (IEC 60364-7-715:201X)

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

FprEN 61987-11:2010 en  
Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 11: Lists of properties (LOP) of measuring equipment for electronic data exchange – Generic structures (IEC 61987-11:201X)

FprEN 62541-7:2010 en  
OPC Unified Architecture – Part 7: Profiles (IEC 62541-7:201X)

FprEN 62541-9:2010 en  
OPC Unified Architecture – Part 9: Alarms and Conditions (IEC 62541-9:201X)

FprEN 62541-10:2010 en  
OPC Unified Architecture – Part 10: Programs (IEC 62541-10:201X)

### **HZN/TO E79, Alarmni sustavi**

prEN 50132-5-1:2010 en  
Alarm systems – CCTV surveillance systems for use in security applications – Part 5-1: Video transmission – General video transmission performance requirements

prEN 50132-5-2:2010 en  
Alarm systems – CCTV surveillance systems for use in security applications – Part 5-2: IP Video Transmission

### **HZN/TO E81, Zaštita od munje**

FprEN 62305-1:2010 en  
Protection against lightning – Part 1: General principles (IEC 62305-1:2010, MOD)

- FprEN 62305-1:2010/FprAA:2010 en  
Protection against lightning – Part 1: General principles
- FprEN 62561-7:2010 en  
Lightning Protection System Components (LPSC)  
– Part 7: Requirements for earthing enhancing compounds (IEC 62561-7:201X)

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

- FprEN 61672-1:2010 en  
Electroacoustics – Sound level meters – Part 1: Specifications (IEC 61672-1:201X)
- FprEN 61672-2:2010 en  
Electroacoustics – Sound level meters – Part 2: Pattern evaluation tests (IEC 61672-2:201X)
- FprEN 61672-3:2010 en  
Electroacoustics – Sound level meters – Part 3: Periodic tests (IEC 61672-3:201X)
- FprEN 62585:2010 en  
Electroacoustics – Methods to determine corrections to obtain the free-field response of a sound level meter (IEC 62585:201X)

### **HZN/TO T4, Normizacija u telekomunikacijama**

- EN 300 373-1 V1.3.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Maritime mobile transmitters and receivers for use in the MF and HF bands – Part 1: Technical characteristics and methods of measurement  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Pomorski pokretni odašiljači i prijemnici za uporabu u MF i HF frekvencijskom pojasu – 1. dio: Tehničke karakteristike i metode mjerenja
- EN 300 609-4 V9.2.0:2010 en  
Global System for Mobile communications (GSM) – Part 4: Harmonized EN for GSM Repeaters covering the essential requirements of article 3.2 of the R&TTE Directive  
Globalni sustav pokretnih komunikacija (GSM) – 4. dio: Harmonizirana EN norma za GSM repetitore obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE
- EN 301 489-24 V1.5.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 24: Specific conditions for IMT-2000 CDMA Direct Spread (UTRA and E-UTRA) for Mobile and portable (UE) radio and ancillary equipment  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Norma elektromagnetske kompatibilnosti (EMC) za radijsku opremu i službe – 24. dio: Posebni uvjeti za IMT-2000 CDMA tehniku izravnog raspršivanja spektra (UTRA i E-UTRA) za pokretnu i prenosivu (UE) radijsku i pomoćnu opremu
- EN 301 502 V9.2.0:2010 en  
Global System for Mobile communications (GSM) – Harmonized EN for Base Station Equipment covering the essential requirements of article 3.2 of the R&TTE Directive (EN 301 502 V9.2.0:2010)  
Globalni sustav pokretnih komunikacija (GSM) – Harmonizirana EN norma za opremu bazne postaje obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE
- EN 302 500-1 V2.1.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) using Ultra WideBand (UWB) technology – Location Tracking equipment operating in the frequency range from 6 GHz to 9 GHz – Part 1: Technical characteristics and methods of measurement

Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uredaji kratkoga dometa (SRD) s ultra širokopojasnom tehnologijom (UWB) – Oprema za praćenje pozicije koja radi u frekvencijskom području od 6 GHz do 9 GHz – 1. dio: Tehničke karakteristike i metode mjerenja

- EN 302 500-2 V2.1.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) using Ultra WideBand (UWB) technology – Location Tracking equipment operating in the frequency range from 6 GHz to 9 GHz – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uredaji kratkoga dometa (SRD) s ultra širokopojasnom tehnologijom (UWB) – Oprema za praćenje pozicije koja radi u frekvencijskom području od 6 GHz do 9 GHz – 2. dio: Harmonizirana EN norma obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE
- EN 302 617-2 V1.1.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Ground-based UHF radio transmitters, receivers and transceivers for the UHF aeronautical mobile service using amplitude modulation – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Na tlu bazirani UHF radijski odašiljači, prijamnici i primopredajnici s amplitudnom modulacijom za UHF zrakoplovnu pokretnu službu – 2. dio: Harmonizirana EN norma obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE
- EN 303 213-2 V1.1.1:2010 en  
Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 2: Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for A-SMGCS Level 2 including external interfaces  
Napredni sustav za vođenje i kontrolu gibanja po površini (A-SMGCS) – 2. dio: Specifikacije zajednice za primjenu Upute međudjelovanja na jedinstvenom europskom nebu EC 552/2004 za A-SMGCS razine 2 uključujući vanjska sučelja
- EN 303 213-3 V1.1.1:2010 en  
Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 3: Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for a deployed cooperative sensor including its interfaces  
Napredni sustav za vođenje i kontrolu gibanja po površini (A-SMGCS) – 3. dio: Specifikacije Zajednice za primjenu Upute za međudjelovanja na jedinstvenom europskom nebu EC 552/2004 za instalirani kooperativni senzor s njegovim sučeljima
- EN 303 213-4-1 V1.1.1:2010 en  
Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 4: Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for a deployed non-cooperative sensor including its interfaces – Sub-part 1: Generic requirements for non-cooperative sensor  
Napredni sustav za vođenje i kontrolu gibanja po površini (A-SMGCS) – 4. dio: Specifikacije Zajednice za primjenu Upute za međudjelovanje na jedinstvenom europskom nebu EC 552/2004 za instalirani nekooperativni senzor s njegovim sučeljima – 1. poddio: Generički zahtjevi za nekooperativni senzor



- EN 303 213-4-2 V1.1.1:2010 en  
Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 4: Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for a deployed non-cooperative sensor including its interfaces – Sub-part 2: Specific requirements for a deployed Surface Movement Radar sensor  
Napredni sustav za vođenje i kontrolu gibanja po površini (A-SMGCS) – 4. dio: Specifikacije Zajednice za primjenu Upute za međudjelovanje na jedinstvenome europskome nebu EC 552/2004 za instalirani nekooperativni senzor s njegovim sučeljima – 2. poddio: Specifični zahtjevi za instalirani senzor radara za detekciju gibanja po površini
- EN 305 550-1 V1.1.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Radio equipment to be used in the 40 GHz to 246 GHz frequency range – Part 1: Technical characteristics and test methods  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Radijska oprema za uporabu u frekvencijskom području od 40 GHz do 246 GHz – 1. dio: Tehničke karakteristike i metode mjerenja
- EN 305 550-2 V1.1.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Radio equipment to be used in the 40 GHz to 246 GHz frequency range – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Radijska oprema za uporabu u frekvencijskom području od 40 GHz do 246 GHz – 2. dio: Harmonizirana EN norma obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

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

- FprEN ISO/IEC 17021 en  
Conformity assessment – Requirements for bodies providing audit and certification of management systems (ISO/IEC/FDIS 17021:2010)

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

- EN 131-1:2007/FprA1 en  
Ladders – Part 1: Terms, types, functional sizes
- prEN 12275 rev en  
Mountaineering equipment – Connectors – Safety requirements and test methods
- prEN 12503-1 en  
Sports mats – Part 1: Gymnastic mats, safety requirements
- prEN 13537 rev en  
Requirements for sleeping bags

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

- EN 500-4:2006/FprA2 en  
Mobile road construction machinery – Safety – Part 4: Specific requirements for compaction machines
- prEN 12110 en  
Tunnelling machines – Air locks – Safety requirements
- prEN 12111 en  
Tunnelling machines – Road headers, continuous miners and impact rippers – Safety requirements
- EN 12649:2008/FprA1 en  
Concrete compactors and smoothing machines – Safety

- prEN 16191 en  
Tunnelling machinery – Safety requirements
- prEN ISO 29461-1 en  
Air intake filter systems for rotary machinery – Test methods – Part 1: Static filter elements (ISO/DIS 29461-1:2010)

## **HZN/TU M1, Metalni materijali 1**

- prEN ISO 2739 en  
Sintered metal bushings – Determination of radial crushing strength (ISO/DIS 2739:2010)
- FprEN ISO 3953 en  
Metallic powders – Determination of tap density (ISO/FDIS 3953:2010)
- prEN ISO 23907 en  
Sharps injury protection – Requirements and test methods – Part 3: Sharps containers (ISO/DIS 23907:2010)

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

- EN 843-7:2010 en  
Advanced technical ceramics – Mechanical properties of monolithic ceramics at room temperature – Part 7: C-ring tests
- EN 843-8:2010 en  
Advanced technical ceramics – Mechanical properties of monolithic ceramics at room temperature – Part 8: Guidelines for conducting proof tests
- CEN/TS 843-9:2010 en  
Advanced technical ceramics – Mechanical properties of monolithic ceramics at room temperature – Part 9: Method of test for edge-chip resistance
- EN 1007-7:2010 en  
Advanced technical ceramics – Ceramic composites – Methods of test for reinforcements – Part 7: Determination of the distribution of tensile strength and of tensile strain to failure of filaments within a multifilament tow at high temperature
- FprEN 14778 en  
Solid biofuels – Sampling
- FprEN 14780 en  
Solid biofuels – Sample preparation
- EN 15365:2010 en  
Advanced technical ceramics – Mechanical properties of ceramic fibres at high temperature in a non-reactive environment – Determination of creep behaviour by the cold end method
- CEN/TR 15404:2010 en  
Solid recovered fuels – Methods for the determination of ash melting behaviour by using characteristic temperatures
- CEN/TS 15405:2010 en  
Solid recovered fuels – Determination of density of pellets and briquettes
- CEN/TS 15406:2010 en  
Solid recovered fuels – Determination of bridging properties of bulk material
- CEN/TS 15639:2010 en  
Solid recovered fuels – Determination of mechanical durability of pellets
- ## **HZN/TU S1, Zdravlje, okoliš i medicinska oprema 1**
- EN ISO 3630-4:2009 en  
Dentistry – Root canal instruments – Part 4: Auxiliary instruments (ISO 3630-4:2009)
- prEN ISO 3826-1 en  
Plastics collapsible containers for human blood and blood components – Part 1: Conventional containers (ISO/DIS 3826-1:2010)

EN ISO 3950:2009 en  
Dentistry – Designation system for teeth and areas of the oral cavity (ISO 3950:2009)

EN ISO 4049:2009 en  
Dentistry – Polymer-based restorative materials (ISO 4049:2009)

EN ISO 4073:2009 en  
Dentistry – Information system on the location of dental equipment in the working area of the oral health care provider (ISO 4073:2009)

EN ISO 7711-1:1998/A1:2009 en  
Dental rotary instruments – Diamond instruments – Part 1: Dimensions, requirements, marking and packaging – Amendment 1 (ISO 7711-1:1997/Amd 1:2009)

EN ISO 7885:2010 en  
Dentistry – Sterile injection needles for single use (ISO 7885:2010)

FprEN ISO 8362-6 en  
Injection containers and accessories – Part 6: Caps made of aluminium-plastics combinations for injection vials (ISO 8362-6:2010)

EN ISO 8362-7:2010 en  
Injection containers and accessories – Part 7: Injection caps made of aluminium-plastics combinations without overlapping plastics part (ISO 8362-7:2006)

EN ISO 9168:2009 en  
Dentistry – Hose connectors for air driven dental handpieces (ISO 9168:2009)

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

EN ISO 10139-2:2009 en  
Dentistry – Soft lining materials for removable dentures – Part 2: Materials for long-term use (ISO 10139-2:2009)

prEN ISO 11608-1 en  
Needle-based injection systems for medical use – Requirements and test methods – Part 1: Needle-based injection systems (ISO/DIS 11608-1:2010)

prEN ISO 11608-2 en  
Needle-based injection systems for medical use – Requirements and test methods – Part 2: Needles (ISO/DIS 11608-2:2010)

prEN ISO 11608-5 en  
Needle-based injection systems for medical use – Requirements and test methods – Part 5: Automated functions (ISO/DIS 11608-5:2010)

EN ISO 16061:2009 en  
Instrumentation for use in association with non-active surgical implants – General requirements (ISO 16061:2008, Corrected version 2009-03-15)

EN ISO 16409:2006/A1:2010 en  
Dentistry – Oral hygiene products – Manual interdental brushes – Amendment 1 (ISO 16409:2006/Amd 1:2010)

EN ISO 20795-2:2010 en  
Dentistry – Base polymers – Part 2: Orthodontic base polymers (ISO 20795-2:2010)

EN ISO 21531:2009 en  
Dentistry – Graphical symbols for dental instruments (ISO 21531:2009)

FprEN ISO 22413 en  
Transfer sets for pharmaceutical preparations – Requirements and test methods (ISO 22413:2010)

EN ISO 22794:2009 en  
Dentistry – Implantable materials for bone filling and augmentation in oral and maxillofacial surgery – Contents of a technical file (ISO 22794:2007, corrected version 2009-01-15)

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

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

EN 2115:2009 en  
Aerospace series – Aluminium alloy 2117-T42 – Wire for solid rivets – D = 10 mm

EN 2117:2009 en  
Aerospace series – Aluminium alloy AL-P5056A (5056A)-H32 – Wire for solid rivets – D = 10 mm

EN 2205:2009 en  
Aerospace series – Steel FE-PL1502 (25CrMo4) – 900 MPa = R<sub>m</sub> = 1100 MPa – Bars – D<sub>e</sub> = 40 mm

EN 2240-001:2009 en  
Aerospace series – Lamps, incandescent – Part 001: Technical specification

EN 2240-002:2009 en  
Aerospace series – Lamps, incandescent – Part 002: Main characteristics

EN 2240-003:2010 en  
Aerospace series – Lamps, incandescent – Part 003: Lamp, code 44 – Product standard

EN 2240-004:2010 en  
Aerospace series – Lamps, incandescent – Part 004: Lamp, code 47 – Product standard

EN 2240-005:2009 en  
Aerospace series – Lamps, incandescent – Part 005: Lamp, code 73 – Product standard

EN 2240-006:2009 en  
Aerospace series – Lamps, incandescent – Part 006: Lamp, code 73E – Product standard

EN 2240-007:2009 en  
Aerospace series – Lamps, incandescent – Part 007: Lamp, code 74 – Product standard

EN 2240-008:2009 en  
Aerospace series – Lamps, incandescent – Part 008: Lamp, code 75 – Product standard

EN 2240-009:2009 en  
Aerospace series – Lamps, incandescent – Part 009: Lamp, code 83 – Product standard

EN 2240-010:2010 en  
Aerospace series – Lamps, incandescent – Part 010: Lamp, code 84 – Product standard

EN 2240-011:2010 en  
Aerospace series – Lamps, incandescent – Part 011: Lamp, code 85 – Product standard

EN 2240-012:2010 en  
Aerospace series – Lamps, incandescent – Part 012: Lamp, code 95 – Product standard

EN 2240-013:2010 en  
Aerospace series – Lamps, incandescent – Part 013: Lamp, code 301 – Product standard

EN 2240-014:2010 en  
Aerospace series – Lamps, incandescent – Part 014: Lamp, code 303 – Product standard

EN 2240-015:2010 en  
Aerospace series – Lamps, incandescent – Part 015: Lamp, code 304 – Product standard

EN 2240-016:2010 en  
Aerospace series – Lamps, incandescent – Part 016: Lamp, code 305 – Product standard

EN 2240-017:2010 en  
Aerospace series – Lamps, incandescent – Part 017: Lamp, code 306 – Product standard

EN 2240-018:2010 en  
Aerospace series – Lamps, incandescent – Part 018: Lamp, code 307 – Product standard

- EN 2240-019:2010 en  
Aerospace series — Lamps, incandescent — Part 019:  
Lamp, code 308 — Product standard
- EN 2240-020:2010 en  
Aerospace series — Lamps, incandescent — Part 020:  
Lamp, code 311 — Product standard
- EN 2240-021:2010 en  
Aerospace series — Lamps, incandescent — Part 021:  
Lamp, code 313 — Product standard
- EN 2240-022:2010 en  
Aerospace series — Lamps, incandescent — Part 022:  
Lamp, code 315 — Product standard
- EN 2240-023:2010 en  
Aerospace series — Lamps, incandescent — Part 023:  
Lamp, code 316 — Product standard
- EN 2240-024:2010 en  
Aerospace series — Lamps, incandescent — Part 024:  
Lamp, code 327 — Product standard
- EN 2240-025:2010 en  
Aerospace series — Lamps, incandescent — Part 025:  
Lamp, code 328 — Product standard
- EN 2240-026:2010 en  
Aerospace series — Lamps, incandescent — Part 026:  
Lamp, code 330 — Product standard
- EN 2240-027:2010 en  
Aerospace series — Lamps, incandescent — Part 027:  
Lamp, code 334 — Product standard
- EN 2240-028:2010 en  
Aerospace series — Lamps, incandescent — Part 028:  
Lamp, code 337 — Product standard
- EN 2240-029:2010 en  
Aerospace series — Lamps, incandescent — Part 029:  
Lamp, code 338 — Product standard
- EN 2240-030:2010 en  
Aerospace series — Lamps, incandescent — Part 030:  
Lamp, code 345 — Product standard
- EN 2240-031:2010 en  
Aerospace series — Lamps, incandescent — Part 031:  
Lamp, code 356 — Product standard
- EN 2240-032:2010 en  
Aerospace series — Lamps, incandescent — Part 032:  
Lamp, code 376 — Product standard
- EN 2240-033:2010 en  
Aerospace series — Lamps, incandescent — Part 033:  
Lamp, code 377 — Product standard
- EN 2240-034:2010 en  
Aerospace series — Lamps, incandescent — Part 034:  
Lamp, code 382 — Product standard
- EN 2240-035:2010 en  
Aerospace series — Lamps, incandescent — Part 035:  
Lamp, code 387 — Product standard
- EN 2240-036:2010 en  
Aerospace series — Lamps, incandescent — Part 036:  
Lamp, code 388 — Product standard
- EN 2240-037:2010 en  
Aerospace series — Lamps, incandescent — Part 037:  
Lamp, code 394 — Product standard
- EN 2240-038:2010 en  
Aerospace series — Lamps, incandescent — Part 038:  
Lamp, code 401 — Product standard
- EN 2240-039:2010 en  
Aerospace series — Lamps, incandescent — Part 039:  
Lamp, code 600 — Product standard
- EN 2240-040:2010 en  
Aerospace series — Lamps, incandescent — Part 040:  
Lamp, code 680 — Product standard
- EN 2240-041:2010 en  
Aerospace series — Lamps, incandescent — Part 041:  
Lamp, code 682 — Product standard
- EN 2240-042:2010 en  
Aerospace series — Lamps, incandescent — Part 042:  
Lamp, code 683 — Product standard
- EN 2240-043:2010 en  
Aerospace series — Lamps, incandescent — Part 043:  
Lamp, code 685 — Product standard
- EN 2240-044:2010 en  
Aerospace series — Lamps, incandescent — Part 044:  
Lamp, code 713 — Product standard
- EN 2240-045:2010 en  
Aerospace series — Lamps, incandescent — Part 045:  
Lamp, code 714 — Product standard
- EN 2240-046:2010 en  
Aerospace series — Lamps, incandescent — Part 046:  
Lamp, code 715 — Product standard
- EN 2240-047:2010 en  
Aerospace series — Lamps, incandescent — Part 047:  
Lamp, code 718 — Product standard
- EN 2240-048:2010 en  
Aerospace series — Lamps, incandescent — Part 048:  
Lamp, code 718 NPC — Product standard
- EN 2240-049:2010 en  
Aerospace series — Lamps, incandescent — Part 049:  
Lamp, code 757 — Product standard
- EN 2240-050:2010 en  
Aerospace series — Lamps, incandescent — Part 050:  
Lamp, code 1064 — Product standard
- EN 2241:2010 en  
Aerospace series — Lamp caps — Dimensions
- EN 2439:2009 en  
Aerospace series — Steel FE-PL2102 (34NiCr6) —  
900 MPa =  $R_m$  = 1100 MPa — Forgings —  $D_e$  = 40 mm
- EN 2460:2009 en  
Aerospace series — Steel FE-PM1901 (X12Cr13) —  
600 MPa =  $R_m$  = 800 MPa — Bars —  $D_e$  = 70 mm
- EN 2461:2009 en  
Aerospace series — Steel FE-PM1901 (X12Cr13) —  
600 MPa =  $R_m$  = 800 MPa — Forgings —  $D_e$  = 70 mm
- EN 2466:2009 en  
Aerospace series — Steel FE-PA3901 (X2CrNi19-11) —  
Softened — Forgings —  $D_e$  = 100 mm
- EN 2543:2009 en  
Aerospace series — Steel FE-PL1502 (25CrMo4) —  
Annealed — Sheet and strip — 0,3 mm = a = 2 mm — For  
prevailing torque nuts
- EN 2714-014:2009 en  
Aerospace series — Cables, electrical, single and  
multicore for general purpose — Operating temperatures  
between — 55 °C and 260 °C — Part 014: DR family,  
5 to 10 cores, taped, screened (braided) and jacketed,  
UV laser printable — Product standard
- EN 2755:2009 en  
Aerospace series — Bearings, spherical plain in  
corrosion resisting steel with self-lubricating liner —  
Elevated load at ambient temperature — Technical  
specification
- EN 2756:2010 en  
Aerospace series — Lamps, incandescent — Test  
methods
- EN 2812:2009 en  
Aerospace series — Stripping of electric cables
- EN 2815:2009 en  
Aerospace series — Steel FE-PM1802 (X5CrNiCu15-5) —  
Consumable electrode remelted — Solution treated  
and precipitation treated — Bar for machining — a or  
D = 200 mm —  $R_m$  = 965 MPa

- EN 2817:2009 en  
Aerospace series—Steel FE-PM1802 (X5CrNiCu15-5)  
— Consumable electrode remelted — Solution treated  
and precipitation treated — Bar for machining — a or  
D = 200 mm —  $R_m = 1070$  MPa
- EN 2818:2009 en  
Aerospace series—Steel FE-PM1802 (X5CrNiCu15-5)  
— Consumable electrode remelted — Solution treated  
and precipitation treated — Forgings — a or  
D = 200 mm —  $R_m = 1070$  MPa
- EN 2852:2010 en  
Aerospace series — Nuts, hexagonal, plain, normal  
height, normal across flats, heat resisting steel  
passivated — Classification: 1100 MPa/650 °C
- EN 2854-002:2009 en  
Aerospace series — Cables, electrical for general  
purpose — Cross sections equal to and greater than  
9 mm<sup>2</sup> — Operating temperatures between — 55 °C and  
260 °C — Part 002: General
- EN 2854-003:2009 en  
Aerospace series — Cables, electrical for general  
purpose — Cross sections equal to and greater than  
9 mm<sup>2</sup> — Operating temperatures between — 55 °C and  
260 °C — Part 003: Product standard
- EN 2862:2009 en  
Aerospace series — Nuts, anchor, self-locking, fixed,  
90° corner, with counterbore, in alloy steel, cadmium  
plated, MoS<sub>2</sub> lubricated — Classification : 1100 MPa  
(at ambient temperature) / 235 °C
- EN 2863:2010 en  
Aerospace series — Nuts, anchor, self-locking, fixed,  
90° corner, with counterbore, in heat resisting steel,  
MoS<sub>2</sub> lubricated — Classification: 1100 MPa  
(at ambient temperature) / 315 °C
- EN 2865:2009 en  
Aerospace series — Nuts, anchor, self-locking, floating,  
two lugs, with counterbore, in heat resisting steel,  
MoS<sub>2</sub> lubricated — Classification: 1100 MPa  
(at ambient temperature) / 315 °C
- EN 2866:2009 en  
Aerospace series — Nuts, anchor, self-locking, floating,  
one lug, with counterbore, in steel, cadmium plated,  
MoS<sub>2</sub> lubricated — Classification: 1110 MPa  
(at ambient temperature) / 235 °C
- EN 2867:2009 en  
Aerospace series — Nuts, anchor, self-locking, floating,  
one lug, with counterbore, in heat resisting steel, MoS<sub>2</sub>  
lubricated — Classification: 1100 MPa (at ambient  
temperature) / 315 °C
- EN 2869:2009 en  
Aerospace series — Nuts, hexagonal, slotted/  
castellated, normal height, normal across flats, in  
heat resisting steel, passivated — Classification:  
1100 MPa (at ambient temperature) / 650 °C
- EN 2883:2009 en  
Aerospace series — Nuts, hexagonal, self-locking, with  
counterbore and captive washer, in heat resisting steel,  
MoS<sub>2</sub> lubricated — Classification: 1100 MPa  
(at ambient temperature) / 315 °C
- EN 2954-001:2010 en  
Aerospace series — Macrostructure of titanium and  
titanium alloy wrought products — Part 001: General  
requirements
- EN 2954-002:2010 en  
Aerospace series — Macrostructure of titanium  
and titanium alloy wrought products — Part 002:  
Macrostructure of bar, section, forging stock and  
forgings
- EN 2997-012:2009 en  
Aerospace series — Connectors, electrical, circular,  
coupled by threaded ring, fire-resistant or non fire-  
resistant, operating temperatures — 65 °C to 175 °C  
continuous, 200 °C continuous, 260 °C peak —  
Part 012: Jam-nut for jam-nut receptacles — Product  
standard
- EN 2997-013:2009 en  
Aerospace series — Connectors, electrical, circular,  
coupled by threaded ring, fire-resistant or non fire-  
resistant, operating temperatures — 65 °C to 175 °C  
continuous, 200 °C continuous, 260 °C peak —  
Part 013: O-ring seal for jam-nut receptacles — Product  
standard
- EN 3034:2009 en  
Aerospace series — Nuts, self-locking, hexagonal with  
captive washer — In heat resisting steel FE-PA92HT  
(A286), silver coated Classification: 1100 MPa/425 °C
- EN 3052:2009 en  
Aerospace series — Bolts, normal hexagonal head,  
close tolerance normal shank, short thread, in heat and  
corrosion resisting steel, passivated — Classification:  
1100 MPa (at ambient temperature) / 425 °C
- EN 3115:2009 en  
Aerospace series — Aluminium alloy 7050-T73 — Wire  
for solid rivets — D = 10 mm
- EN 3155-001:2009 en  
Aerospace series — Electrical contacts used in elements  
of connection — Part 001: Technical specification
- EN 3155-009:2009 en  
Aerospace series — Electrical contacts used in elements  
of connection — Part 009: Contacts, electrical, female,  
type A, crimp, class S — Product standard
- EN 3155-063:2009 en  
Aerospace series — Electrical contacts used in elements  
of connection — Part 063: Contacts, electrical, coaxial,  
50 ohms, size 1, male, type D, solder, class R —  
Product standard
- EN 3155-067:2009 en  
Aerospace series — Electrical contacts used in elements  
of connection — Part 067: Contacts, electrical, coaxial,  
size 08, male, type D, solder, class R — Product  
standard
- EN 3155-068:2009 en  
Aerospace series — Electrical contacts used in elements  
of connection — Part 068: Contacts, electrical, coaxial,  
size 08, female, type D, solder, class R — Product  
standard
- EN 3155-069:2009 en  
Aerospace series — Electrical contacts used in elements  
of connection — Part 069: Contacts, electrical, coaxial,  
size 16, female, type D, solder, class P — Product  
standard
- EN 3226:2009 en  
Nuts, hexagon, plain, normal height, normal across  
flats, steel, cadmium plated — Classification 1100 MPa/  
235 °C
- EN 3227:2010 en  
Aerospace series — Nuts, hexagonal, plain, normal  
height, normal across flats, in steel, cadmium plated,  
left hand thread — Classification: 1100 MPa (at ambient  
temperature) / 235 °C
- EN 3228:2010 en  
Aerospace series — Nuts, hexagonal, plain, reduced  
height, normal across flats, in steel, cadmium plated  
— Classification: 900 MPa (at ambient temperature)  
/ 235 °C
- EN 3229:2009 en  
Aerospace series — Nuts, hexagonal, plain, reduced  
height, normal across flats, in steel, cadmium plated,  
left hand thread — Classification: 900 MPa (at ambient  
temperature) / 235 °C



- EN 3311:2009 en  
Aerospace series—Titanium alloy TI-P64001 (Ti-6Al-4V)  
— Annealed — Bar for machining —  $D < 110$  mm
- EN 3323:2009 en  
Aerospace series — Bolts with double hexagon head,  
relieved shank, long thread — In heat resisting steel  
FE-PM 38 (FV 535)—Classification: 1000 MPa/550 °C
- EN 3329:2009 en  
Aerospace series — Steel FE-PL1503 (35CrMo4) —  
Annealed — Sheet and strip —  $0,3$  mm =  $a = 2$  mm —  
For prevailing torque nuts
- EN 3330:2009 en  
Aerospace series — Steel FE-PL1503 (35CrMo4)  
— Annealed — Bar and wire —  $D_e = 40$  mm — For  
prevailing torque nuts
- EN 3373-002:2009 en  
Aerospace series — Terminal lugs and in-line splices for  
crimping on electric conductors — Part 002: General  
and list of product standard
- EN 3373-010:2009 en  
Aerospace series — Terminal lugs and in-line splices for  
crimping on electric conductors — Part 010: Terminal  
lugs, ring shaped, tin plated, for crimping on copper  
conductors, temperature up to 150 °C for metric and  
inch stud series — Product standard
- EN 3373-011:2009 en  
Aerospace series — Terminal lugs and in-line splices for  
crimping on electric conductors — Part 011: Terminal  
lugs, ring shaped, nickel plated, for crimping on  
copper conductors, temperature up to 260 °C for  
metric and inch stud series — Product standard
- EN 3373-014:2009 en  
Aerospace series — Terminal lugs and in-line splices  
for crimping on electric conductors — Part 014: In-line  
splices, insulated and sealed, for crimping on copper  
conductors, temperature up to 200 °C — Product  
standard
- EN 3375-008:2009 en  
Aerospace series — Cable, electrical, for digital data  
transmission — Part 008: Single braid — Star Quad  
100 ohms — Type KD — Product standard
- EN 3375-009:2009 en  
Aerospace series — Cable, electrical, for digital data  
transmission — Part 009: Single braid — CAN Bus —  
120 Ohms — Type WX — Product standard
- EN 3388:2009 en  
Aerospace series — Fasteners, externally threaded, in  
heat resisting nickel base alloy NI-PH2601 (Inconel  
718)—Classification 1275 MPa/650 °C—Manufacturing  
method optional — Technical specification
- EN 3389:2009 en  
Aerospace series — Fasteners, externally threaded, in  
heat resisting nickel base alloy NI-PH1302 (Waspaloy)  
— Classification: 1210 MPa/730 °C — Manufacturing  
method optional — Technical specification
- EN 3435:2010 en  
Aerospace series — Nuts, anchor, self-locking, floating,  
two lug, reduced series, with counterbore, in heat  
resisting steel, MoS<sub>2</sub> lubricated — Classification:  
1100 MPa (at ambient temperature) / 315 °C
- EN 3456:2009 en  
Aerospace series — Titanium alloy TI-P64001  
(Ti-6Al-4V) — Annealed — Sheet and strip, hot rolled  
—  $a = 6$  mm
- EN 3464:2009 en  
Aerospace series — Titanium alloy TI-P64001  
(Ti-6Al-4V) — Annealed — Plate —  $6$  mm  $< a = 100$  mm
- EN 3469:2009 en  
Aerospace series — Steel FE-PM1802 (X5CrNiCu15-5)  
— Consumable electrode remelted — Solution treated  
and precipitation treated — Forgings —  $a$  or  $D = 200$  mm  
—  $R_m = 1310$  MPa
- EN 3475-407:2009 en  
Aerospace series — Cables, electrical, aircraft use —  
Test methods — Part 407: Flammability
- EN 3475-417:2009 en  
Aerospace series — Cables, electrical, aircraft use —  
Test methods — Part 417: Fire resistance of cables  
confined inside a harness
- EN 3475-515:2009 en  
Aerospace series — Cable, electrical, aircraft use — Test  
methods — Part 515: Crush resistance
- EN 3475-802:2009 en  
Aerospace series — Cables, electrical, aircraft use —  
Test methods — Part 802: Capacitance unbalance
- EN 3475-809:2009 en  
Aerospace series — Cables, electrical, aircraft use —  
Test methods — Part 809: Resistance unbalance
- EN 3475-810:2009 en  
Aerospace series — Cables, electrical, aircraft use —  
Test methods — Part 810: Structural return loss
- EN 3475-811:2009 en  
Aerospace series — Cables, electrical, aircraft use —  
Test methods — Part 811: Unbalance attenuation
- EN 3475-812:2009 en  
Aerospace series — Cables, electrical, aircraft use —  
Test methods — Part 812: Return loss (VSWR)
- EN 3529:2010 en  
Aerospace series — Steel FE-PM2701 (X2NiCoMo18-8-5)  
— Vacuum induction melted and vacuum arc remelted  
— Solution treated and precipitation treated — Forgings  
—  $a$  or  $D = 150$  mm —  $1750$  MPa =  $R_m = 2000$  MPa
- EN 3537:2010 en  
Aerospace series — Nuts, anchor, self-locking, fixed,  
two lug, with counterbore, in heat resisting steel, MoS<sub>2</sub>  
lubricated — Classification: 1100 MPa (at ambient  
temperature)/315 °C
- EN 3538:2010 en  
Aerospace series — Nuts, anchor, self-locking, fixed,  
two lug, reduced series, with counterbore, in heat  
resisting steel, MoS<sub>2</sub> lubricated — Classification:  
1100 MPa (at ambient temperature)/315 °C
- EN 3539:2010 en  
Aerospace series — Nuts, anchor, self-locking, one lug,  
fixed, with counterbore, in heat resisting steel, MoS<sub>2</sub>  
lubricated — Classification: 1100 MPa (at ambient  
temperature) / 315 °C
- EN 3613:2009 en  
Aerospace series — Bolts, normal hexagonal head,  
relieved shank, long thread, in heat resisting nickel  
base alloy NI-PH2601 (Inconel 718), silver plated —  
Classification: 1275 MPa/650 °C
- EN 3614:2009 en  
Aerospace series — Bolts, normal hexagonal head,  
relieved shank, long thread, in heat resisting steel  
FE-PA2601 (A286), silver plated — Classification:  
900 MPa / 650 °C
- EN 3653:2010 en  
Aerospace series — Nuts, anchor, self-locking, floating,  
self-aligning, one lug, in steel, cadmium plated, MoS<sub>2</sub>  
lubricated — Classification: 900 MPa (at ambient  
temperature) / 235 °C
- EN 3660-003:2009 en  
Aerospace series — Cable outlet accessories for  
circular and rectangular electrical and optical  
connectors — Part 003: Grommet nut, style A for  
EN 2997 and EN 4067 — Product standard

- EN 3660-004:2009 en  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 004: Cable outlet, style A, straight, unsealed with clamp strain relief for EN 2997 and EN 4067 – Product standard
- EN 3660-005:2009 en  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 005: Cable outlet, style A, 90°, unsealed with clamp strain relief for EN 2997 and EN 4067 – Product standard
- EN 3660-016:2009 en  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 016: Grommet nut, style A, self-locking and non self-locking for EN 3645 – Product standard
- EN 3660-017:2009 en  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 017: Cable outlet, style A, straight, unsealed, with cable tie strain relief – Product standard
- EN 3660-018:2009 en  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 018: Cable outlet, style A, 90°, unsealed, with cable tie strain relief – Product standard
- EN 3660-019:2009 en  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 019: Cable outlet, style A, 45°, unsealed, with cable tie strain relief – Product standard
- EN 3660-020:2009 en  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 020: Cable outlet, style A, straight, unsealed, self-locking with clamp strain relief for EN 3645 – Product standard
- EN 3660-021:2009 en  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 021: Cable outlet, style A, 90°, unsealed, self-locking with clamp strain relief for EN 3645 – Product standard
- EN 3660-025:2009 en  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 025: Cable outlet, style A, straight, unsealed, with cable tie strain relief for EN 3646 – Product standard
- EN 3660-026:2009 en  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 026: Cable outlet, style A, 90°, unsealed, with cable tie strain relief for EN 3646 – Product standard
- EN 3660-027:2009 en  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 027: Cable outlet, style A, 45°, unsealed, with cable tie strain relief for EN 3646 – Product standard
- EN 3660-036:2009 en  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 036: spacer pad for cable outlet, style Z – Product standard
- EN 3660-037:2009 en  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 037: bushing strip, elastomer, for cable outlet, style Z Product standard
- EN 3660-062:2009 en  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 062: Cable outlet, style K, 90°, for heat shrinkable boot, shielded, sealed, self-locking for EN 3645 – Product standard
- EN 3660-063:2009 en  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 063: Cable outlet, style K, straight, for heat shrinkable boot, shielded, sealed, self-locking for EN 3645 – Product standard
- EN 3660-064:2009 en  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 064: Cable outlet, style K, straight, for heat shrinkable boot, shielded, sealed, self-locking for EN 2997 and EN 4067 – Product standard
- EN 3733-001:2009 en  
Aerospace series – Connector, optical, circular, single channel, coupled by self-locking ring, operating temperature up to 150 °C continuous – Part 001: Technical specification
- EN 3745-506:2009 en  
Aerospace series – Fibres and cables, optical, aircraft use – Test methods – Part 506: Impact resistance
- EN 3745-514:2009 en  
Aerospace series – Fibres and cables, optical, aircraft use – Test methods – Part 514: Cable twist bend
- EN 3750:2010 en  
Aerospace series – Nuts, anchor, self-locking, fixed, 90° corner, reduced series, with counterbore, in heat resisting steel, MoS<sub>2</sub> lubricated – Classification: 1100 MPa (at ambient temperature) / 315 °C
- EN 3753:2010 en  
Aerospace series – Nuts, anchor, self-locking, fixed, 60° corner, with counterbore, in alloy steel, cadmium plated, MoS<sub>2</sub> lubricated – Classification: 1100 MPa (at ambient temperature) / 235 °C
- EN 3757:2009 en  
Aerospace series – Nuts, anchor, self-locking, floating, self-aligning, two lugs, in heat resisting steel, MoS<sub>2</sub> lubricated – Classification: 900 MPa (at ambient temperature) / 315 °C
- EN 3763:2010 en  
Aerospace series – Nuts, hexagonal, self-locking, ball seat, in heat resisting steel, MoS<sub>2</sub> lubricated – Classification: 900 MPa (at ambient temperature) / 315 °C
- EN 3834:2010 en  
Aerospace series – Nuts, anchor, self-locking, floating, two lug, incremental counterbore, in corrosion resisting steel, MoS<sub>2</sub> lubricated – Classification: 900 MPa (at ambient temperature) / 315 °C
- EN 3987:2009 en  
Aerospace series – Test methods for metallic materials – Constant amplitude force-controlled high cycle fatigue testing
- EN 4018:2009 en  
Aerospace series – Pipe coupling 8°30' in titanium alloy – Elbows 90° with thrust wire nut
- EN 4020:2009 en  
Aerospace series – Pipe coupling 8°30' in titanium alloy – Elbows 90°, welded end with thrust wire nut
- EN 4024:2009 en  
Aerospace series – Pipe coupling 8°30' in titanium alloy – Elbows 45° welded end with thrust wire nut
- EN 4071:2009 en  
Aerospace series – Bolts, normal hexagonal head, close tolerance normal shank, short thread, in titanium alloy, aluminium IVD coated – Classification: 1100 MPa (at ambient temperature) / 425 °C

- EN 4072:2009 en  
Aerospace series—Screws, 100° countersunk normal head, offset cruciform recess, close tolerance normal shank, short thread, in titanium alloy, aluminium IVD coated— Classification: 1100 MPa (at ambient temperature) / 425 °C
- EN 4073:2009 en  
Aerospace series—Screws, pan head, six lobe recess, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated— Classification: 1100 MPa (at ambient temperature) / 235 °C
- EN 4074:2009 en  
Aerospace series—Screws, pan head, six lobe recess, coarse tolerance normal shank, medium length thread, in titanium alloy, aluminium IVD coated— Classification: 1100 MPa (at ambient temperature) / 425 °C
- EN 4078:2009 en  
Aerospace series— Inserts, threaded, thin wall, locked and self-locking, in heat resisting steel, MoS<sub>2</sub> lubricated— Classification: 1100 MPa (at ambient temperature) / 315 °C
- EN 4084:2009 en  
Aerospace series— Nuts, anchor, self-locking, fixed, two lug, with counterbore, in alloy steel, cadmium plated, MoS<sub>2</sub> lubricated— Classification: 1100 MPa (at ambient temperature) / 235 °C
- EN 4113:2009 en  
Aerospace series—Clamps, loop (“P” type) in corrosion resisting steel, passivated with rubber cushioning— Dimensions, masses
- EN 4114:2009 en  
Aerospace series— Clamps, loop (“P” type) in aluminium alloy with rubber cushioning— Dimensions, masses
- EN 4125:2010 en  
Aerospace series— Nuts, anchor, self-locking, fixed, two lug, reduced series, with incremental counterbore, in heat resisting steel, MoS<sub>2</sub> lubricated— Classification: 900 MPa (at ambient temperature) / 315 °C
- EN 4126:2010 en  
Aerospace series—Nuts, anchor, self-locking, floating, two lug, reduced series, with incremental counterbore, in heat resisting steel, MoS<sub>2</sub> lubricated— Classification: 900 MPa (at ambient temperature) / 315 °C
- EN 4127:2009 en  
Aerospace series— Bolts, normal hexagonal head, coarse tolerance normal shank, short thread, in titanium alloy, aluminium IVD coated— Classification: 1100 MPa (at ambient temperature) / 425 °C
- EN 4128:2009 en  
Aerospace series— Bolts, normal hexagonal head, coarse tolerance normal shank, short thread, in heat resisting nickel base alloy, aluminium IVD coated— Classification: 1250 MPa (at ambient temperature) / 425 °C
- EN 4129:2009 en  
Aerospace series— Bolts, normal hexagonal head, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated— Classification: 1100 MPa (at ambient temperature) / 235 °C
- EN 4130:2009 en  
Aerospace series— Bolts, normal hexagonal head, coarse tolerance normal shank, medium length thread, in titanium alloy, aluminium IVD coated— Classification: 1100 MPa (at ambient temperature) / 425 °C
- EN 4131:2009 en  
Aerospace series— Bolts, normal hexagonal head, coarse tolerance normal shank, medium length thread, in heat resisting nickel base alloy, aluminium IVD coated— Classification: 1250 MPa (at ambient temperature) / 425 °C
- EN 4132:2009 en  
Aerospace series— Bolts, normal hexagonal head, coarse tolerance normal shank, long thread, in alloy steel, cadmium plated— Classification: 1100 MPa (at ambient temperature) / 235 °C
- EN 4133:2009 en  
Aerospace series— Bolts, normal hexagonal head, coarse tolerance normal shank, long thread, in titanium alloy, aluminium IVD coated— Classification: 1100 MPa (at ambient temperature) / 425 °C
- EN 4134:2009 en  
Aerospace series— Bolts, normal hexagonal head, coarse tolerance normal shank, long thread, in heat resisting nickel base alloy, aluminium IVD coated— Classification: 1250 MPa (at ambient temperature) / 425 °C
- EN 4135:2009 en  
Aerospace series— Bolts, normal bi-hexagonal head, coarse tolerance normal shank, medium length thread, in titanium alloy, anodized, MoS<sub>2</sub> lubricated— Classification: 1100 MPa (at ambient temperature) / 315 °C
- EN 4136:2009 en  
Aerospace series— Bolts, normal bi-hexagonal head, coarse tolerance normal shank, long thread, in alloy steel, cadmium plated— Classification: 1100 MPa (at ambient temperature) / 235 °C
- EN 4137:2009 en  
Aerospace series— Bolts, normal bi-hexagonal head, stepped shank, long thread, in titanium alloy, anodized, MoS<sub>2</sub> lubricated— Classification: 1100 MPa (at ambient temperature) / 315 °C
- EN 4138:2009 en  
Aerospace series—Screws, pan head, offset cruciform recess, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated— Classification: 1100 MPa (at ambient temperature) / 235 °C
- EN 4161:2009 en  
Aerospace series—Screws, pan head, offset cruciform recess, coarse tolerance normal shank, long thread, in alloy steel, cadmium plated— Classification: 1100 MPa (at ambient temperature) / 235 °C
- EN 4162:2009 en  
Aerospace series—Screws 100° countersunk normal head, offset cruciform recess, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated— 1100 MPa (at ambient temperature) / 235 °C
- EN 4163:2009 en  
Aerospace series—Screws 100° countersunk normal head, offset cruciform recess, coarse tolerance normal shank, long thread, in alloy steel, cadmium plated— 1100 MPa (at ambient temperature) / 235 °C
- EN 4178:2009 en  
Aerospace series—Screws, pan head, six lobe recess, coarse tolerance normal shank, medium length thread, in titanium alloy, anodized, MoS<sub>2</sub> lubricated— 1100 MPa (at ambient temperature) / 315 °C
- EN 4179:2009 en  
Aerospace series— Qualification and approval of personnel for non-destructive testing
- EN 4199-003:2009 en  
Aerospace series— Bonding straps for aircraft— Part 003: Bonding strap assemblies with flat braided conductor copper, tin plated— 65 °C up to 150 °C and copper, nickel plated— 65 °C up to 260 °C— Product standard
- EN 4199-004:2009 en  
Aerospace series— Bonding straps for aircraft— Part 004: Round bonding straps, copper, tin plated— 65 °C up to 150 °C and nickel plated— 65 °C up to 260 °C— Product standard

- EN 4199-005:2009 en  
Aerospace series – Bonding straps for aircraft – Part 005: Flat braid conductors copper, tin plated -65 °C up to 150 °C and copper, nickel plated, -65 °C up to 260 °C – Product standard
- EN 4234:2009 en  
Aerospace series – Clamps, worm drive – Dimensions, masses
- EN 4372:2009 en  
Aerospace series – Heat resisting nickel alloy with copper NI-PD9001 (NiCu31) – Wire for solid rivets – D = 10 mm
- EN 4474:2009 en  
Aerospace series – Aluminium pigmented coatings – Coating methods
- EN 4499:2009 en  
Aerospace series – Screws, 100° countersunk reduced head, offset cruciform recess, close tolerance normal shank, short thread, in titanium alloy, anodized, with aluminium pigmented coating – Classification: 1100 MPa (at ambient temperature) / 315 °C
- EN 4528:2009 en  
Aerospace series – Steel FE-PA3903 (X10CrNi18-8) – Cold rolled – Strip for springs – a = 3 mm – 1250 MPa = R<sub>m</sub> = 1640 MPa
- EN 4532:2009 en  
Aerospace series – Cables, optical, single core 200 µm/280 µm fibre, 2,5 mm outer jacket – Technical specification
- EN 4534-2:2009 en  
Aerospace series – Bushes, plain in aluminium alloy with self-lubricating liner, elevated load – Part 2: Dimensions and loads – Inch series
- EN 4535-2:2009 en  
Aerospace series – Bushes, flanged in aluminium alloy with self-lubricating liner, elevated load – Part 2: Dimensions and loads – Inch series
- EN 4536-2:2009 en  
Aerospace series – Bushes, plain in corrosion resisting steel with self-lubricating liner, elevated load – Part 2: Dimensions and loads – Inch series
- EN 4537-2:2009 en  
Aerospace series – Bushes, flanged in corrosion-resisting steel with self-lubricating liner, elevated load – Part 2: Dimensions and loads – Inch series
- EN 4604-003:2009 en  
Aerospace series – Cable, electrical, for signal transmission – Part 003: Cable, coaxial, 50 ohm, 200 °C, type WZ – Product standard
- EN 4604-006:2009 en  
Aerospace series – Cable, electrical, for signal transmission – Part 006: Cable, coaxial, 50 ohm, 200 °C, type WM – Product standard
- EN 4613:2009 en  
Aerospace series – Spherical plain bearings in corrosion resisting steel with self-lubricating liner, narrow series – Dimensions and loads – Inch series
- EN 4614:2009 en  
Aerospace series – Spherical plain bearings in corrosion resisting steel with self-lubricating liner, wide series – Dimensions and loads – Inch series
- EN 4618:2009 en  
Aerospace series – Aircraft internal air quality standards, criteria and determination methods
- EN 4619:2010 en  
Aerospace series – Inserts, MJ threads, self-locking, with self-broaching keys – Installation and removal procedure
- EN 4620:2010 en  
Aerospace series – Inserts, MJ threads, self-locking, with self-broaching keys – Design standard
- EN 4621:2010 en  
Aerospace series – Inserts, MJ threads, self-locking, self-broaching keys – Technical specification
- EN 4626-201:2009 en  
Aerospace series – Connectors, optical, rectangular, multicontact, rack and panel, Quadrax cavity, 2,5 mm diameter ferrule – Operating temperatures – 65 °C to 125 °C (cable dependent) – Flush contacts – Part 201: Optical contact (sub-assembly) for receptacle – Product standard
- EN 4626-202:2009 en  
Aerospace series – Connectors, optical, rectangular, multicontact, rack and panel, Quadrax cavity, 2,5 mm diameter ferrule – Operating temperatures – 65 °C to 125 °C (cable dependent) – Flush contacts – Part 202: Optical contact assembly for 900 µm buffered fibre receptacle – Product standard
- EN 4632-003:2010 en  
Aerospace series – Weldability and brazeability of materials in aerospace constructions – Part 003: Welding and brazing of homogeneous assemblies of unalloyed and low alloy steels
- EN 4632-005:2009 en  
Aerospace series – Weldability and brazeability of materials in aerospace constructions – Part 005: Homogeneous assemblies of heat resisting Ni or Co base alloys
- EN 4634:2009 en  
Aerospace series – Screws, 100° countersunk head, six lobe recess, short thread, in heat resisting steel FE-PA2601 (A286), passivated – Classification: 900 MPa (at ambient temperature) / 650 °C
- EN 4635:2009 en  
Aerospace series – Screws, 100° countersunk head, six lobes recess, short thread, in heat resisting nickel base alloy NI-PH2601 (Inconel 718) – Classification: 1270 MPa (at ambient temperature) / 650 °C
- EN 4636:2009 en  
Aerospace series – Screws, 100° countersunk head, six lobe recess, short thread, in titanium alloy TI-P64001, with aluminium pigmented coating – Classification: 1100 MPa (at ambient temperature) / 315 °C
- EN 4640-001:2009 en  
Aerospace series – Connectors, optical, rectangular, rack and panel, multicontact, 1,25 diameter ferrule, with removable alignment sleeve holder – Part 001: Technical specification
- EN 4640-002:2009 en  
Aerospace series – Connectors, optical, rectangular, rack and panel, multicontact, 1,25 diameter ferrule, with removable alignment sleeve holder – Part 002: List of product standards
- EN 4641-102:2009 en  
Aerospace series – Cables, optical 125 µm outside diameter cladding – Part 102: Semi-loose 62,5/125 µm GI fibre nominal 1,8 mm outside diameter – Product standard
- EN 4642:2009 en  
Aerospace series – Steel FE-PM 3504 (X4CrNiMo16-5-1) – Air melted – Hardened and tempered – Sheet and plate – 0,6 mm = a = 50 mm – 900 MPa = R<sub>m</sub> = 1050 MPa
- EN 4645-001:2010 en  
Aerospace series – Connectors, optical, circular, single and multipin, coupled by threaded ring, self-locking 1,25 mm diameter ferrule with removable alignment sleeve holder – Part 001: Technical specification



- EN 4645-002:2009 en  
Aerospace series—Connectors, optical, circular, single and multipin, coupled by threaded ring, self-locking 1,25 mm diameter ferrule with removable alignment sleeve holder—Part 002: Specification of performance and contact arrangements
- EN 4645-003:2009 en  
Aerospace series—Connectors, optical, circular, single and multipin, coupled by threaded ring, self-locking 1,25 mm diameter ferrule with removable alignment sleeve holder—Part 003: Square flange receptacle—Product standard
- EN 4645-004:2009 en  
Aerospace series—Connectors, optical, circular, single and multipin, coupled by threaded ring, self-locking 1,25 mm diameter ferrule with removable alignment sleeve holder—Part 004: Jam nut receptacle—Product standard
- EN 4645-005:2009 en  
Aerospace series—Connectors, optical, circular, single and multipin, coupled by threaded ring, self-locking 1,25 mm diameter ferrule with removable alignment sleeve holder—Part 005: Plug—Product standard
- EN 4649:2009 en  
Aerospace series—Handheld fire extinguishers with synthesis gases, for aircraft use—Technical specification and qualification conditions
- EN 4662:2010 en  
Aerospace series—Test specification for vibration control components
- EN 6049-003:2009 en  
Aerospace series—Electrical cables, installation—Protection sleeve in meta-aramid fibres—Part 003: Braided, tubular, expandable—Product standard
- EN 6059-502:2009 en  
Aerospace series—Electrical cables, installation—Protection sleeves—Test methods—Part 502: Resistance to electrical arcs
- EN 9121:2009 en  
Aerospace series—Quality management systems—Assessment applicable to stockist distributors (based on ISO 9001:2000)
- EN 9131:2009 en  
Aerospace series—Quality management systems—Nonconformance documentation
- EN 14067-6:2010 en  
Railway applications—Aerodynamics—Part 6: Requirements and test procedures for cross wind assessment
- prEN 16154 en  
Air Traffic Management—Software assurance levels
- prEN 16203 en  
Safety of Industrial Trucks—Verification of Dynamic Stability—Counterbalanced Trucks

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

- FprEN 60068-2-55:2010 en  
Environmental testing—Part 2-55: Tests—Test Ee and guidance: Loose cargo testing including bounce (IEC 60068-2-55:201X)
- EN 60068-2-57:2000/FprA1:2010 en  
Environmental testing—Part 2-57: Tests—Test Ff: Vibration—Time-history method (IEC 60068-2-57:1999/am1:201X)
- FprEN 60974-1:2010 en  
Arc welding equipment—Part 1: Welding power sources (IEC 60974-1:201X)

### **HZN/TU V1, *Elektronika 1***

- FprEN 50065-1:2010 en  
Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz—Part 1: General requirements, frequency bands and electromagnetic disturbances
- FprEN 50377-14-1:2010 en  
Connector sets and interconnect components to be used in optical fibre communication systems—Product specifications—Part 14-1: Cords with IEC 60793-2-50 singlemode category B1.1 and B1.3 fibre for category C
- FprEN 50411-6-1:2010 en  
Fibre organisers and closures to be used in optical fibre communication systems—Product specifications—Part 6-1: Unprotected microduct for category S and A
- FprEN 60191-6-12:2010 en  
Mechanical standardization of semiconductor devices—Part 6-12: General rules for the preparation of outline drawings of surface mounted semiconductor device packages—Design guide for fine-pitch land grid array (FLGA) (IEC 60191-6-12:201X)
- FprEN 60384-2:2010 en  
Fixed capacitors for use in electronic equipment—Part 2: Sectional specification: Fixed metallized polyethylene-terephthalate film dielectric d.c. capacitors (IEC 60384-2:201X)
- FprEN 60384-13:2010 en  
Fixed capacitors for use in electronic equipment—Part 13: Sectional specification—Fixed polypropylene film dielectric metal foil d.c. capacitors (IEC 60384-13:201X)
- FprEN 60384-21:2010 en  
Fixed capacitors for use in electronic equipment—Part 21: Sectional specification: Fixed surface mount multilayer capacitors of ceramic dielectric, Class 1 (IEC 60384-21:201X)
- FprEN 60384-22:2010 en  
Fixed capacitors for use in electronic equipment—Part 22: Sectional specification: Fixed surface mount multilayer capacitors of ceramic dielectric, Class 2 (IEC 60384-22:201X)
- FprEN 60440:2010 en  
Method of measurement of non-linearity in resistors (IEC 60440:201X)
- FprEN 60512-16-21:2010 en  
Connectors for electronic equipment—Tests and measurements—Part 16-21: Test 16u: Whisker test via the application of external mechanical stresses (IEC 60512-16-21:201X)
- FprEN 60747-16-5:2010 en  
Semiconductor devices—Part 16-5: Microwave integrated circuits—Oscillators (IEC 60747-16-5:201X)
- FprEN 61249-2-27:2010 en  
Materials for printed boards and other interconnecting structures—Part 2-27: Reinforced base materials clad and unclad—Bismaleimide/triazine modified with non-halogenated epoxide woven glass laminate sheets of defined flammability (vertical burning test), copper-clad (IEC 61249-2-27:201X)
- FprEN 61249-2-30:2010 en  
Materials for printed boards and other interconnecting structures—Part 2-30: Reinforced base materials clad and unclad—Non-halogenated epoxide modified cyanate ester woven glass laminate sheets of defined flammability (vertical burning test), copper-clad (IEC 61249-2-30:201X)

- FprEN 61249-2-39:2010 en  
Materials for printed boards and other interconnecting structures – Part 2-39: Reinforced base materials clad and unclad – Modified epoxide and non-epoxide, woven E-glass laminated sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-39:201X)
- FprEN 61249-2-40:2010 en  
Materials for printed boards and other interconnecting structures – Part 2-40: Reinforced base materials clad and unclad – High performance, modified, non-halogenated epoxide woven E-glass laminated sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-40:201X)
- FprEN 61587-1:2010 en  
Mechanical structures for electronic equipment – Tests for IEC 60917 and IEC 60297 – Part 1: Environmental requirements and tests, safety aspects for cabinets, racks, subracks and chassis (IEC 61587-1:201X)
- FprEN 61988-2-4:2010 en  
Plasma display panels – Part 2-4: Measuring methods – Visual quality: Image artifacts (IEC 61988-2-4:201X)
- CLC/FprTR 62258-4:2010 en  
Semiconductor die products – Part 4: Questionnaire for die users and suppliers (IEC/TR 62258-4:201X)
- FprEN 62276:2010 en  
Single Crystal Wafers for Surface Acoustic Wave (SAW) devices applications – Specification and measuring method (IEC 62276:201X)
- FprEN 62341-6-2:2010 en  
Organic light emitting diode (OLED) displays – Part 6-2: Measuring methods of visual quality and ambient performance (IEC 62341-6-2:201X)
- FprEN 62572-3:2010 en  
Fibre optic active components and devices – Reliability standards – Part 3: Laser modules used for telecommunication (IEC 62572-3:201X)
- FprEN 140401-804:2010 en  
Detail Specification: Fixed low power film high stability SMD resistors – Rectangular – Stability classes 0,1; 0,25

### **HZNTU W1, Energetska elektrotehnika 1**

- FprEN 61362:2010 en  
Guide to specification of hydraulic turbine governing systems (IEC 61362:201X)
- FprEN 62282-2:2010 en  
Fuel cell technologies – Part 2: Fuel cell modules (IEC 62282-2:201X)
- FprEN 62282-5-1:2010 en  
Fuel cell technologies – Part 5-1: Portable fuel cell power systems – Safety (IEC 62282-5-1:201X)

## **1.4 Povučene hrvatske norme**

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

### **HZN/TO 8, Brodogradnja**

- HRN EN 1493:2009 en  
Dizala za vozila (EN 1493:1998+A1:2008)  
Vehicle lifts (EN 1493:1998+A1:2008)  
- zamijenjena s: HRN EN 1493:2010

- HRN EN 1808:2004 en  
Zahtjevi za sigurnost za viseće skele – Projektni proračuni, kriteriji stabilnosti, konstrukcija – Ispitivanja (EN 1808:1999)  
Safety requirements on Suspended Access Equipment – Design calculations, stability criteria, construction – Tests (EN 1808:1999)  
- zamijenjena s: HRN EN 1808:2010
- HRN EN ISO 8729:2008 en  
Ships and marine technology – Marine radar reflectors (ISO 8729:1997; EN ISO 8729:1998)  
- bez zamjene
- HRN EN ISO 10088:2004 en  
Mala plovila – Trajno ugrađeni sustavi goriva i fiksni tankovi goriva (ISO 10088:2001; EN ISO 10088:2001)  
Small craft – Permanently installed fuel systems and fixed fuel tanks (ISO 10088:2001; EN ISO 10088:2001)  
- zamijenjena s: HRN EN ISO 10088:2010

### **HZN/TO 22, Cestovna vozila**

- HRN ISO 3779:1998 hr  
Cestovna vozila – Identifikacijska oznaka vozila – Sadržaj i građa (ISO 3779:1983)  
Road vehicles – Vehicle identification number (VIN) – Content and structure (ISO 3779:1983)  
- zamijenjena s: HRN ISO 3779:2010

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

- HRN EN ISO 4404-2:2008 en  
Nafta i srodni proizvodi – Određivanje korozijske otpornosti vatrootpornih hidrauličnih tekućina – 2. dio: Bezvodne tekućine (ISO 4404-2:2003; EN ISO 4404-2:2003)  
Petroleum and related products – Determination of the corrosion resistance of fire-resistant hydraulic fluids – Part 2: Non-aqueous fluids (ISO 4404-2:2003; EN ISO 4404-2:2003)  
- zamijenjena s: HRN EN ISO 4404-2:2010

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

- HRN ISO 276:2004 en  
Veziva za boje i lakove – Laneno ulje – Zahtjevi i metode ispitivanja (ISO 276:2002)  
Binders for paints and varnishes – Linseed stand oil – Requirements and methods of test (ISO 276:2002)  
- zamijenjena s: HRN EN ISO 276:2010
- HRN ISO 277:2004 en  
Veziva za boje i lakove – Sirovo tung ulje – Zahtjevi i metode ispitivanja (ISO 277:2002)  
Binders for paints and varnishes – Raw tung oil – Requirements and methods of test (ISO 277:2002)  
- zamijenjena s: HRN EN ISO 277:2010
- HRN ISO 4619:2002 en  
Sredstva za ubrzavanje sušenja boja i lakova (ISO 4619:1998)  
Driers for paints and varnishes (ISO 4619:1998)  
- zamijenjena s: HRN EN ISO 4619:2010
- HRN ISO 8130-1:1999 en  
Praškasti prekrivni materijali – 1. dio: Određivanje granulometrijskog sastava sijanjem (ISO 8130-1:1992)  
Coating powders – Part 1: Determination of particle size distribution by sieving (ISO 8130-1:1992)  
- zamijenjena s: HRN EN ISO 8130-1:2010
- HRN ISO 8130-2:1999 en  
Praškasti prekrivni materijali – 2. dio: Određivanje gustoće piknometrom s plinom (poredbena metoda) (ISO 8130-2:1992)

- Coating powders—Part 2: Determination of density by gas comparison pycnometer (referee method) (ISO 8130-2:1992)  
- zamijenjena s: HRN EN ISO 8130-2:2010
- HRN ISO 8130-3:1999 en  
Praškasti prekrivni materijali — 3. dio: Određivanje gustoće piknometrom za istiskivanje kapljevine (ISO 8130-3:1992)  
Coating powders — Part 3: Determination of density by liquid displacement pycnometer (ISO 8130-3:1992)  
- zamijenjena s: HRN EN ISO 8130-3:2010
- HRN ISO 8130-4:1999 en  
Praškasti prekrivni materijali — 4. dio: Proračun donje granice eksplozivnosti (ISO 8130-4:1992+Cor 1:1993)  
Coating powders — Part 4: Calculation of lower explosion limit (ISO 8130-4:1992+Cor 1:1993)  
- zamijenjena s: HRN EN ISO 8130-4:2010
- HRN ISO 8130-5:1999 en  
Praškasti prekrivni materijali — 5. dio: Određivanje svojstava tečenja smjese prašak/zrak (ISO 8130-5:1992)  
Coating powders — Part 5: Determination of flow properties of a powder/air mixture (ISO 8130-5:1992)  
- zamijenjena s: HRN EN ISO 8130-5:2010
- HRN ISO 8130-6:1999 en  
Praškasti prekrivni materijali — 6. dio: Određivanje vremena želiranja duromernih praškastih premaza pri određenoj temperaturi (ISO 8130-6:1992)  
Coating powders — Part 6: Determination of gel time of thermosetting coating powders at a given temperature (ISO 8130-6:1992)  
- zamijenjena s: HRN EN ISO 8130-6:2010
- HRN ISO 8130-6/Amd 1:2002 en  
Praškasti prekrivni materijali — 6. dio: Određivanje vremena želiranja termootpornih praškastih premaza pri određenoj temperaturi (ISO 8130-6:1992/Amd 1:1998)  
Coating powders — Part 6: Determination of gel time of thermosetting coating powders at a given temperature (ISO 8130-6:1992/Amd 1:1998)  
- zamijenjena s: HRN EN ISO 8130-6:2010
- HRN ISO 8130-7:1999 en  
Praškasti prekrivni materijali — 7. dio: Određivanje gubitka mase kod pečenja (ISO 8130-7:1992)  
Coating powders — Part 7: Determination of loss of mass on stoving (ISO 8130-7:1992)  
- zamijenjena s: HRN EN ISO 8130-7:2010
- HRN ISO 8130-8:1999 en  
Praškasti prekrivni materijali — 8. dio: Procjena postojanosti uskladištenja duromernih praškastih premaza (ISO 8130-8:1994)  
Coating powders — Part 8: Assessment of the storage stability of thermosetting powders (ISO 8130-8:1994)  
- zamijenjena s: HRN EN ISO 8130-8:2010
- HRN ISO 8130-10:2004 en  
Praškasti prekrivni materijali — 10. dio: Određivanje sposobnosti nanošenja (ISO 8130-10:1998)  
Coating powders — Part 10: Determination of deposition efficiency (ISO 8130-10:1998)  
- zamijenjena s: HRN EN ISO 8130-10:2010
- HRN ISO 8130-11:1999 en  
Praškasti prekrivni materijali — 11. dio: Ispitivanje tečenja na kosini (ISO 8130-11:1997)  
Coating powders — Part 11: Inclined-plane flow test (ISO 8130-11:1997)- zamijenjena s:  
HRN EN ISO 8130-11:2010
- HRN ISO 8130-13:2005 en  
Praškasti prekrivni materijali — 13. dio: Određivanje veličine čestica laserskom difrakcijom (ISO 8130-13:2001)
- Coating powders — Part 13: Particle size analysis by laser diffraction (ISO 8130-13:2001)  
- zamijenjena s: HRN EN ISO 8130-13:2010
- HRN ISO 8623:1999 en  
Masne kiseline sulfatnog ulja (Tall-ulje) za boje i lakove — Specifikacije i metode ispitivanja (ISO 8623:1997)  
Tall-oil fatty acids for paints and varnishes — Specifications and test methods (ISO 8623:1997)  
- zamijenjena s: HRN EN ISO 8623:2010
- HRN ISO 15234:2002 en  
Boje i lakovi — Ispitivanje prevlaka koje emitiraju formaldehid i melaminskih pjena — Određivanje ustaljene koncentracije formaldehida u maloj ispitnoj komori (ISO 15234:1999)  
Paints and varnishes — Testing of formaldehyde-emitting coatings and melamine foams — Determination of the steady-state concentration of formaldehyde in a small test chamber (ISO 15234:1999)  
- zamijenjena s: HRN EN ISO 15234:2010

## **HZN/TO 43, Akustika**

- HRN ISO 3095:2000 en  
Akustika — Mjerenje buke tračničkih vozila (ISO 3095:1975)  
Acoustics — Measurement of noise emitted by railbound vehicles (ISO 3095:1975)  
- zamijenjena s: HRN EN ISO 3095:2007
- HRN ISO 3381:2000 en  
Akustika — Mjerenje buke u tračničkim vozilima (ISO 3381:1976)  
Acoustics — Measurement of noise inside railbound vehicles (ISO 3381:1976)  
- zamijenjena s: HRN EN ISO 3381:2007
- HRN EN ISO 8253-1:1999 en  
Akustika — Audiometrijske metode ispitivanja — 1. dio: Temeljna audiometrija s čistim tonom te zračnom i koštanom vodljivošću (ISO 8253-1:1989; EN ISO 8253-1:1998)  
Acoustics — Audiometric test methods — Part 1: Basic pure tone air and bone conduction threshold audiometry (ISO 8253-1:1989; EN ISO 8253-1:1998)  
- zamijenjena s: HRN EN ISO 8253-1:2010

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

- HRN EN 756:2004 en  
Dodatni i potrošni materijali za zavarivanje — Kombinacije žica i praškova za zavarivanje pod praškom nelegiranih i sitnozrnih čelika — Razredba (EN 756:2004)  
Welding consumables — Solid wires, solid wire-flux and tubular cored electrode-flux combinations for submerged arc welding of non alloy and fine grain steels — Classification (EN 756:2004)  
- zamijenjena s: HRN EN ISO 14171:2010
- HRN EN ISO 7291:2002 en  
Oprema za plinsko zavarivanje — Regulatori tlaka za razdjelne sustave koji se upotrebljavaju pri zavarivanju, rezanju i srodnim postupcima do tlaka 300 bar (ISO 7291:1999; EN ISO 7291:2001)  
Gas welding equipment — Pressure regulators for manifold systems used in welding, cutting and allied processes up to 300 bar (ISO 7291:1999; EN ISO 7291:2001)  
- zamijenjena s: HRN EN ISO 7291:2010
- HRN EN ISO 14921:2002 en  
Toplinsko naštrcavanje — Postupci za primjenu toplinsko naštrcanih prevlaka za tehničke komponente (ISO 14921:2001; EN ISO 14921:2001)  
Thermal spraying — Procedures for the application of thermally sprayed coatings for engineering components (ISO 14921:2001; EN ISO 14921:2001)  
- zamijenjena s: HRN EN ISO 14921:2010

- HRN EN ISO 17633:2008 en  
 Dodatni i potrošni materijali za zavarivanje — Punjene žice i šipke za elektrolučno zavarivanje sa zaštitom plina i bez zaštite plina za nehrdajuće čelike i čelike otporne na visoke temperature — Razredba (ISO 17633:2004; EN ISO 17633:2006)  
 Welding consumables — Tubular cored electrodes and rods for gas shielded and non-gas shielded metal arc welding of stainless and heat-resisting steels — Classification (ISO 17633:2004; EN ISO 17633:2006)  
 - zamijenjena s: HRN EN ISO 17633:2010
- HRN EN ISO 24034:2008 en  
 Dodatni i potrošni materijali za zavarivanje — Pune žice i šipke za zavarivanje titana i titanovih legura — Razredba (ISO 24034:2005; EN ISO 24034:2005)  
 Welding consumables — Solid wires and rods for fusion welding of titanium and titanium alloys — Classification (ISO 24034:2005; EN ISO 24034:2005)  
 - zamijenjena s: HRN EN ISO 24034:2010
- HRN EN ISO 24034:2008/A1:2008 en  
 Dodatni i potrošni materijali za zavarivanje — Pune žice i šipke za zavarivanje titana i titanovih legura — Razredba — Amandman 1 (ISO 24034:2005/Amd 1:2008; EN ISO 24034:2005/A1:2008)  
 Welding consumables — Solid wires and rods for fusion welding of titanium and titanium alloys — Classification — Amendment 1 (ISO 24034:2005/Amd 1:2008; EN ISO 24034:2005/A1:2008)  
 - zamijenjena s: HRN EN ISO 24034:2010

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

- HRN EN 378-1:2008 en  
 Rashladni sustavi i dizalice topline—Zahtjevi s obzirom na okoliš i sigurnost — 1. dio: Osnovni zahtjevi, definicije, razredba i kriteriji odabira (EN 378-1:2008)  
 Refrigerating systems and heat pumps — Safety and environmental requirements — Part 1: Basic requirements, definitions, classification and selection criteria (EN 378-1:2008)  
 - zamijenjena s: HRN EN 378-1:2010
- HRN EN 13313:2004 en  
 Rashladni sustavi i dizalice topline—Osposobljenost osoblja (EN 13313:2001)  
 Refrigerating systems and heat pumps — Competence of personnel (EN 13313:2001)  
 - zamijenjena s: HRN EN 13313:2010

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

- HRN EN 737-1:2004 en  
 Cjevovodni sustavi medicinskih plinova — 1. dio: Priklučci za komprimirane medicinske plinove i vakuum (EN 737-1:1998)  
 Medical gas pipeline systems — Part 1: Terminal units for compressed medical gases and vacuum (EN 737-1:1998)  
 - bez zamjene
- HRN EN 737-4:2004 en  
 Cjevovodni sustavi medicinskih plinova — 4. dio: Priklučci sustava za odstranjivanje anestetičkog plina (EN 737-4:1998)  
 Medical gas pipeline systems — Part 4: Terminal units for anaesthetic gas scavenging systems (EN 737-4:1998)  
 - bez zamjene
- HRN EN 13014:2004 en  
 Spojnice za cijevi za uzimanje uzoraka plina na opremi za anesteziju i respiraciju (EN 13014:2000+AC:2002)  
 Connections for gas sampling tubes to anaesthetic and respiratory equipment (EN 13014:2000+AC:2002)  
 - bez zamjene

- HRN EN 13220:2004 en  
 Uređaji za mjerenje protoka koji se spajaju na utičnice cjevovodnog sustava medicinskih plinova (EN 13220:1998)  
 Flow- metering devices for connection to terminal units of medical gas pipeline systems (EN 13220:1998)  
 - bez zamjene

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

- HRN ISO 2965:1998 en  
 Materijali koji se upotrebljavaju kao cigaretni papir, ovojni papir za filter i papir za usni dio cigarete, uključujući i materijale koji imaju usmjerenu propusnu zonu — Određivanje propusnosti zraka (ISO 2965:1997)  
 Materials used as cigarette papers, filter plug wrap and filter joining paper, including materials having an oriented permeable zone — Determination of air permeability (ISO 2965:1997)  
 - zamijenjena s: HRN ISO 2965:2010
- HRN ISO 3402:1998 en  
 Duhan i duhanski proizvodi — Atmosfera za kondicioniranje i ispitivanje (ISO 3402:1991)  
 Tobacco and tobacco products — Atmosphere for conditioning and testing (ISO 3402:1991)  
 - zamijenjena s: HRN ISO 3402:2007
- HRN ISO 8243:2004 en  
 Cigarete — Uzorkovanje (ISO 8243:2003)  
 Cigarettes — Sampling (ISO 8243:2003)  
 - zamijenjena s: HRN ISO 8243:2010
- HRN ISO/TR 8452:1998 en  
 Sirovi duhan — Određivanje sadržaja ostataka klorofila (zeleni indeks) (ISO/TR 8452:1992)  
 Raw tobacco — Determination of chlorophyll residues content (green index) (ISO/TR 8452:1992)  
 - bez zamjene
- HRN ISO 8454:1998 en  
 Cigarete — Određivanje ugljikovog monoksida u parnoj fazi dima cigarete — NDIR metoda (ISO 8454:1995)  
 Cigarettes — Determination of carbon monoxide in the vapour phase of cigarette smoke — NDIR method (ISO 8454:1995)  
 - zamijenjena s: HRN ISO 8454:2010
- HRN ISO 10185:1997 hr,en,fr  
 Duhan i duhanski proizvodi — Rječnik (ISO 10185:1993)  
 Tobacco and tobacco products — Vocabulary (ISO 10185:1993)  
 - zamijenjena s: HRN ISO 10185:2010
- HRN ISO 15592-3:2004 en  
 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 (ISO 15592-3:2003)  
 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 (ISO 15592-3:2003)  
 - zamijenjena s: HRN ISO 15592-3:2010



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

- HRN EN 852:2004 en  
Plastični cijevni sustavi za transport vode namijenjene za ljudsku uporabu – Procjena migracije – Upute za tumačenje laboratorijski izvedenih vrijednosti migracija (EN 852:2001)  
Plastics piping systems for the transport of water intended for human consumption – Migration assessment – Guidance on the interpretation of laboratory derived migration values (EN 852:2001)  
- zamijenjena s: HRI CEN/TR 852:2010
- HRN EN 1447:2009 en  
Plastični cijevni sustavi – Staklom ojačane duromerne (GRP) cijevi – Određivanje dugotrajne otpornosti na unutrašnji tlak (EN 1447:2009)  
Plastics piping systems – Glass-reinforced thermosetting plastics (GRP) pipes – Determination of long-term resistance to internal pressure (EN 1447:2009)  
- zamijenjena s: HRN EN 1447:2010
- HRN EN 1555-1:2003 en  
Plastični cijevni sustavi za opskrbu plinovitim gorivima – Polietilen (PE) – 1. dio: Općenito (EN 1555-1:2002)  
Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 1: General (EN 1555-1:2002)  
- zamijenjena s: HRN EN 1555-1:2010
- HRN EN 1555-2:2003 en  
Plastični cijevni sustavi za opskrbu plinovitim gorivima – Polietilen (PE) – 2. dio: Cijevi (EN 1555-2:2002)  
Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 2: Pipes (EN 1555-2:2002)  
- zamijenjena s: HRN EN 1555-2:2010
- HRN EN 1555-3:2003 en  
Plastični cijevni sustavi za opskrbu plinovitim gorivima – Polietilen (PE) – 3. dio: Spojnice (EN 1555-3:2002)  
Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 3: Fittings (EN 1555-3:2002)  
- zamijenjena s: HRN EN 1555-3:2010
- HRN EN 1555-3:2003/A1:2007 en  
Plastični cijevni sustavi za opskrbu plinovitim gorivima – Polietilen (PE) – 3. dio: Spojnice (EN 1555-3:2002/A1:2005)  
Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 3: Fittings (EN 1555-3:2002/A1:2005)  
- zamijenjena s: HRN EN 1555-3:2010
- HRN EN 1555-5:2003 en  
Plastični cijevni sustavi za opskrbu plinovitim gorivima – Polietilen (PE) – 5. dio: Prikadnost sustava za uporabu (EN 1555-5:2002)  
Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 5: Fitness for purpose of the system (EN 1555-5:2002)  
- zamijenjena s: HRN EN 1555-5:2010
- HRN EN 13598-1:2007 en  
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i kanalizaciju – Neomekšani poli(vinil-klorid) (PVC-U), polipropilen (PP) i polietilen (PE) – 1. dio: Specifikacije za pomoćne spojnice i plitke kontrolne komore (EN 13598-1:2003)  
Plastics piping systems for non-pressure underground drainage and sewerage – Unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 1: Specifications for ancillary fittings including shallow inspection chambers (EN 13598-1:2003)  
- zamijenjena s: HRN EN 13598-1:2010

## **HZN/TO 146, *Kvaliteta zraka***

- HRN EN 1911-1:2006 en  
Emisije iz stacionarnih izvora – Ručna metoda određivanja HCl – 1. dio: Uzorkovanje plinova (EN 1911-1:1998)  
Stationary source emissions – Manual method of determination of HCl – Part 1: Sampling of gases (EN 1911-1:1998)  
- zamijenjena s: HRN EN 1911:2010
- HRN EN 1911-2:2007 en  
Emisije iz stacionarnih izvora – Ručna metoda za određivanje HCl – 2. dio: Apsorpcija plinovitih spojeva (EN 1911-2:1998)  
Stationary source emissions – Manual method of determination of HCl – Part 2: Gaseous compounds absorption (EN 1911-2:1998)  
- zamijenjena s: HRN EN 1911:2010
- HRN EN 1911-3:2007 en  
Emisije iz stacionarnih izvora – Ručna metoda za određivanje HCl – 3. dio: Analiza apsorpcijskih otopina i izračunavanje (EN 1911-3:1998)  
Stationary source emissions – Manual method of determination of HCl – Part 3: Absorption solutions analysis and calculation (EN 1911-3:1998)  
- zamijenjena s: HRN EN 1911:2010
- HRS CEN/TS 1948-4:2008 en  
Emisije iz stacionarnih izvora – Određivanje masenih koncentracija PCDD-a, PCDF-a i dioksinima sličnih PCB-a – 4. dio: Uzorkovanje i analiza dioksinima sličnih PCB-a (CEN/TS 1948-4:2007)  
Stationary source emissions – Determination of the mass concentration of PCDDs/PCDFs and dioxin-like PCBs – Part 4: Sampling and analysis of dioxin-like PCBs (CEN/TS 1948-4:2007)  
- zamijenjena s: HRN EN 1948-4:2010

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

- HRN EN ISO 23993:2008 en  
Toplinsko-izolacijski proizvodi za instalacije u zgradama i industriji – Određivanje toplinske vodljivosti pri projektiranju (ISO 23993:2008; EN ISO 23993:2008)  
Thermal insulation products for building equipment and industrial installations – Determination of design thermal conductivity (ISO 23993:2008; EN ISO 23993:2008)  
- zamijenjena s: HRN EN ISO 23993:2010

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

- HRN EN ISO 11252:2008 en  
Laseri i pridružena oprema – Laserski uređaj – Minimalni zahtjevi za dokumentaciju (ISO 11252:2004; EN ISO 11252:2004)  
Lasers and laser-related equipment – Laser device – Minimum requirements for documentation (ISO 11252:2004; EN ISO 11252:2004)  
- zamijenjena s: HRN EN ISO 11252:2010

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

- HRN EN 71-1:2009 en  
Sigurnost igraćaka – 1. dio: Mehanička i fizikalna svojstva (EN 71-1:2005+A6:2008)  
Safety of toys – Part 1: Mechanical and physical properties (EN 71-1:2005+A6:2008)  
- zamijenjena s: HRN EN 71-1:2010
- HRN EN 71-4:2003 en  
Sigurnost igraćaka – 4. dio: Eksperimentalna oprema za kemiju i srodne aktivnosti (EN 71-4:1990+A1:1998)  
Safety of toys – Part 4: Experimental sets for chemistry and related activities (EN 71-4:1990+A1:1998)  
- zamijenjena s: HRN EN 71-4:2010

- HRN EN 71-4:2003/A2:2008 en  
Sigurnost igračkaka — 4. dio: Eksperimentalna oprema za kemiju i srodne aktivnosti (EN 71-4:1990/A2:2003)  
Safety of toys — Part 4: Experimental sets for chemistry and related activities (EN 71-4:1990/A2:2003)  
- zamijenjena s: HRN EN 71-4:2010
- HRN EN 71-4:2003/A3:2008 en  
Sigurnost igračkaka — 4. dio: Eksperimentalna oprema za kemiju i srodne aktivnosti (EN 71-4:1990/A3:2007)  
Safety of toys — Part 4: Experimental sets for chemistry and related activities (EN 71-4:1990/A3:2007)  
- zamijenjena s: HRN EN 71-4:2010
- HRN EN 71-8:2003 en  
Sigurnost igračkaka — 8. dio: Njihaljke, tobogani i igračke za slične aktivnosti za unutarnju i vanjsku uporabu u kućanstvu (EN 71-8:2003)  
Safety of toys — Part 8: Swings, slides and similar activity toys for indoor and outdoor family domestic use (EN 71-8:2003)  
- zamijenjena s: HRN EN 71-8:2010
- HRN EN 71-8:2003/A1:2008 en  
Sigurnost igračkaka — 8. dio: Njihaljke, tobogani i igračke za slične aktivnosti za unutarnju i vanjsku uporabu u kućanstvu (EN 71-8:2003/A1:2006)  
Safety of toys — Part 8: Swings, slides and similar activity toys for indoor and outdoor family domestic use (EN 71-8:2003/A1:2006)  
- zamijenjena s: HRN EN 71-8:2010
- HRN EN 71-8:2003/A2:2008 en  
Sigurnost igračkaka — 8. dio: Njihaljke, tobogani i igračke za slične aktivnosti za unutarnju i vanjsku uporabu u kućanstvu (EN 71-8:2003/A2:2005)  
Safety of toys — Part 8: Swings, slides and similar activity toys for indoor and outdoor family domestic use (EN 71-8:2003/A2:2005)  
- zamijenjena s: HRN EN 71-8:2010
- HRN EN 12790:2003 en  
Proizvodi za dojenčad i malu djecu — Ležaljke (EN 12790:2002)  
Child care articles — Reclined cradles (EN 12790:2002)  
- bez zamjene

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

- HRN ISO 14004:2008 en  
Sustavi upravljanja okolišem — Opće smjernice o načelima, sustavima i podržavajućim tehnikama (ISO 14004:2004)  
Environmental management systems — General guidelines on environmental management principles, systems and supporting techniques (ISO 14004:2004)  
- zamijenjena s: HRN EN ISO 14004:2010
- HRN ISO 14015:2008 en  
Upravljanje okolišem — Procjena okoliša lokacije i organizacije (ISO 14015:2001)  
Environmental management — Environmental assessment of sites and organizations (EASO) (ISO 14015:2001)  
- zamijenjena s: HRN EN ISO 14015:2010
- HRN ISO 14025:2008 en  
Oznake i izjave za područje okoliša — Izjave o okolišu tip III — Načela i postupci (ISO 14025:2006)  
Environmental labels and declarations — Type III environmental declarations — Principles and procedure (ISO 14025:2006)  
- zamijenjena s: HRN EN ISO 14025:2010

- HRN ISO 14050:2008 en,fr  
Upravljanje okolišem — Rječnik (ISO 14050:2002)  
Environmental management — Vocabulary (ISO 14050:2002)  
- zamijenjena s: HRN EN ISO 14050:2010
- HRN ISO 14063:2008 en  
Upravljanje okolišem — Komunikacija o okolišu — Smjernice i primjeri (ISO 14063:2006)  
Environmental management — Environmental communication — Guidelines and examples (ISO 14063:2006)  
- zamijenjena s: HRN EN ISO 14063:2010

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

- HRN EN 1816:2004 en  
Elastične podne obloge — Specifikacija za homogene i heterogene podne obloge od glatke gume s pjenastom podlogom (EN 1816:1998)  
Resilient floor coverings — Specification for homogeneous and heterogeneous smooth rubber floor coverings with foam backing (EN 1816:1998)  
- zamijenjena s: HRN EN 1816:2010
- HRN EN 1817:2004 en  
Elastične podne obloge — Specifikacija za homogene i heterogene podne obloge od glatke gume (EN 1817:1998)  
Resilient floor coverings — Specification for homogeneous and heterogeneous smooth rubber floor coverings (EN 1817:1998)  
- zamijenjena s: HRN EN 1817:2010
- HRN EN 12199:2004 en  
Elastične podne obloge — Specifikacija za homogene i heterogene podne obloge od reljefne gume (EN 12199:1998)  
Resilient floor coverings — Specifications for homogeneous and heterogeneous relief rubber floor coverings (EN 12199:1998)  
- zamijenjena s: HRN EN 12199:2010

### **HZN/TO 502, Plinski uređaji**

- HRN EN 125:2000 en  
Naprave za nadzor plamena za plinske aparate — Termoelektrični osigurači paljenja (EN 125:1991+A1:1996)  
Flame supervision devices for gas burning appliances — Thermo-electric flame supervision devices (EN 125:1991+A1:1996)  
- zamijenjena s: HRN EN 125:2010
- HRN EN 257:2000 en  
Mehanički termostati za plinske aparate (EN 257:1992+A1:1996)  
Mechanical thermostats for gas-burning appliances (EN 257:1992+A1:1996)  
- zamijenjena s: HRN EN 257:2010
- HRN EN 621:2000 en  
Nekućanski plinski generatori toplog zraka s prisilnom konvekcijom za grijanje prostora s nazivnim toplinskim opterećenjem jednakim ili manjim od 300 kW, bez ventilatora u dovodu zraka za izgaranje i/ili u odvodu dimnih plinova (EN 621:1998)  
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 621:1998)  
- zamijenjena s: HRN EN 621:2010

- HRN EN 621:2000/A1:2004 en  
Nekućanski plinski generatori toplog zraka s prisilnom konvekcijom za grijanje prostora s nazivnim toplinskim opterećenjem jednakim ili manjim od 300 kW, bez ventilatora u dovodu zraka za izgaranje i/ili u odvodu dimnih plinova (EN 621:1998/A1:2001)  
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 621:1998/A1:2001)  
- zamijenjena s: HRN EN 621:2010
- HRN EN 778:2000 en  
Kućanski plinski generatori toplog zraka s prisilnom konvekcijom za grijanje prostora s nazivnim toplinskim opterećenjem jednakim ili manjim od 70 kW, bez ventilatora u dovodu zraka za izgaranje i/ili u odvodu dimnih plinova (EN 778:1998)  
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 778:1998)  
- zamijenjena s: HRN EN 778:2010
- HRN EN 778:2000/A1:2004 en  
Kućanski plinski generatori toplog zraka s prisilnom konvekcijom za grijanje prostora s nazivnim toplinskim opterećenjem jednakim ili manjim od 70 kW, bez ventilatora u dovodu zraka za izgaranje i/ili u odvodu dimnih plinova (EN 778:1998/A1:2001)  
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 778:1998/A1:2001)  
- zamijenjena s: HRN EN 778:2010
- HRN EN 1020:2000 en  
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 1020:1997)  
Non-domestic gas-fired forced convection air heaters for space heating not exceeding a net heat input of 300 kW, incorporating a fan to assist transportation of combustion air and/or combustion products (EN 1020:1997)  
- zamijenjena s: HRN EN 1020:2010
- HRN EN 1020:2000/A1:2004 en  
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 1020:1997/A1:2001)  
Non-domestic gas-fired forced convection air heaters for space heating not exceeding a net heat input of 300 kW, incorporating a fan to assist transportation of combustion air and/or combustion products (EN 1020:1997/A1:2001)  
- zamijenjena s: HRN EN 1020:2010
- HRN EN 1106:2004 en  
Ručni regulacijski pipci za plinske uređaje (EN 1106:2001)  
Manually operated taps for gas burning appliances (EN 1106:2001)  
- zamijenjena s: HRN EN 1106:2010
- HRN EN 1319:2000 en  
Kućanski plinski generatori toplog zraka s prisilnom konvekcijom za grijanje prostora, s ventilatorom kao potporom plinskim plamenicima s nazivnim toplinskim opterećenjem jednakim ili manjim od 70 kW (EN 1319:1998)  
Domestic gas-fired forced convection air heaters for space heating, with fan-assisted burners not exceeding a net heat input of 70 kW (EN 1319:1998)  
- zamijenjena s: HRN EN 1319:2010
- HRN EN 1319/A1+A2:2004 en  
Kućanski plinski generatori toplog zraka s prisilnom konvekcijom za grijanje prostora, s ventilatorom kao potporom plinskim plamenicima s nazivnim toplinskim opterećenjem jednakim ili manjim od 70 kW (EN 1319:1998/A2:1999+A1:2001)  
Domestic gas-fired forced convection air heaters for space heating, with fan-assisted burners not exceeding a net heat input of 70 kW (EN 1319:1998/A2:1999+A1:2001)  
- zamijenjena s: HRN EN 1319:2010
- HRN EN 1854:2008 en  
Naprave za nadzor (ograničenje) tlaka za plinske plamenike i plinske aparate (EN 1854:2006)  
Pressure sensing devices for gas burners and gas burning appliances (EN 1854:2006)  
- zamijenjena s: HRN EN 1854:2010

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

- HRN EN 10029:2000 en  
Toplo valjani čelični limovi debljine  $\geq 3$  mm – Dopuštena odstupanja dimenzija, oblika i mase (EN 10029:1991)  
Hot rolled steel plates 3 mm thick or above – Tolerances on dimensions, shape and mass (EN 10029:1991)  
- zamijenjena s: HRN EN 10029:2010
- HRN EN 10051:2003 en  
Neprekinuti, neprevučeni toplo valjani lim i traka od nelegiranih ili legiranih čelika – Dopuštena odstupanja mjera i oblika (uključuje amandman A1:1997) (EN 10051:1991+A1:1997)  
Continuously hot-rolled uncoated plate, sheet and strip of non-alloy and alloy steels – Tolerances on dimensions and shape (includes amendment A1:1997) (EN 10051:1991+A1:1997)  
- zamijenjena s: HRN EN 10051:2010
- HRN EN 12373-11:2002 en  
Aluminij i aluminijeve legure – Anodizacija – 11. dio: Mjerenje stupnja direktne refleksije i zrcalnog sjaja prevlaka dobivenih anodnom oksidacijom pod kutovima od 20°, 45°, 60° ili 85° (EN 12373-11:2000)  
Aluminium and aluminium alloys – Anodizing – Part 11: Measurement of specular reflectance and specular gloss of anodic oxidation coatings at angles of 20°, 45°, 60° ili 85° (EN 12373-11:2000)  
- zamijenjena s: HRN EN ISO 7668:2010
- HRN EN 12373-12:2002 en  
Aluminij i aluminijeve legure – Anodizacija – 12. dio: Mjerenje refleksijskih svojstava aluminijskih površina pomoću uređaja s integrirajućom kuglom (EN 12373-12:2000)  
Aluminium and aluminium alloys – Anodizing – Part 12: Measurement of reflectance characteristics of aluminium surface using integrating-sphere instruments (EN 12373-12:2000)  
- zamijenjena s: HRN EN ISO 6719:2010
- HRN EN ISO 12737:2008 en  
Metalni materijali – Određivanje lomne žilavosti pri ravninskome stanju deformacije (ISO 12737:2005; EN ISO 12737:2005)  
Metallic materials – Determination of plane-strain fracture toughness (ISO 12737:2005; EN ISO 12737:2005)  
- zamijenjena s: HRN EN ISO 12737:2010
- HRN EN ISO 15630-1:2002 en  
Čelik za armiranje i prednapinjanje betona – Ispitne metode – 1. dio: Armaturene šipke i žice (ISO 15630-1:2002; EN ISO 15630-1:2002)  
Steel for the reinforcement and prestressing of concrete – Test methods – Part 1: Reinforcing bars and wires (ISO 15630-1:2002; EN ISO 15630-1:2002)  
- zamijenjena s: HRN EN ISO 15630-1:2010

HRN EN ISO 15630-2:2002 en  
Čelik za armiranje i prednapinjanje betona – Ispitne metode – 2. dio: Zavarene mreže (ISO 15630-2:2002; EN ISO 15630-2:2002)  
Steel for the reinforcement and prestressing of concrete – Test methods – Part 2: Welded fabric (ISO 15630-2:2002; EN ISO 15630-2:2002)  
- zamijenjena s: HRN EN ISO 15630-2:2010

HRN EN ISO 15630-3:2002 en  
Čelik za armiranje i prednapinjanje betona – Ispitne metode – 3. dio: Čelik za prednapinjanje (ISO 15630-3:2002; EN ISO 15630-3:2002)  
Steel for the reinforcement and prestressing of concrete – Test methods – Part 3: Prestressing steel (ISO 15630-3:2002; EN ISO 15630-3:2002)  
- zamijenjena s: HRN EN ISO 15630-3:2010

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

HRN EN ISO 3613:2004 en  
Kromatne konverzijske prevlake na cinku, kadmiju, aluminij-cink legurama i cink-aluminij legurama – Metode ispitivanja (ISO 3613:2000; EN ISO 3613:2001)  
Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zinc-aluminium alloys – Test methods (ISO 3613:2000; EN ISO 3613:2001)  
- zamijenjena s: HRN EN ISO 3613:2010

HRN EN 14864:2008 en  
Staklasti i porculanski emajli – Prevlake emajla nanosene na čelične površine za pisanje – Specifikacija (EN 14864:2005+A1:2007)  
Vitreous and porcelain enamels – Enamel coatings applied to steel for writing surfaces – Specification (EN 14864:2005+A1:2007)  
- zamijenjena s: HRN EN ISO 28762:2010

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

HRN ISO 6145-5:2001 en  
Analiza plina – Priprava plinskih smjesa za umjeravanje upotrebom dinamičkih obujamskih metoda – 5. dio: Oprema za kapilarno umjeravanje (ISO 6145-5:2001)  
Gas analysis – Preparation of calibration gas mixtures using dynamic volumetric methods – Part 5: Capillary calibration devices (ISO 6145-5:2001)  
- zamijenjena s: HRN EN ISO 6145-5:2010

HRN ISO 6145-7:2001 en  
Analiza plina – Priprava plinskih smjesa za umjeravanje upotrebom dinamičkih obujamskih metoda – 7. dio: Toplinska kontrola protoka mase (ISO 6145-7:2001)  
Gas analysis – Preparation of calibration gas mixtures using dynamic volumetric methods – Part 7: Thermal mass-flow controllers (ISO 6145-7:2001)  
- zamijenjena s: HRN EN ISO 6145-7:2010

HRN ISO 6145-9:2001 en  
Analiza plina – Priprava plinskih smjesa za umjeravanje upotrebom dinamičkih obujamskih metoda – 9. dio: Metoda zasićenja (ISO 6145-9:2001)  
Gas analysis – Preparation of calibration gas mixtures using dynamic volumetric methods – Part 9: Saturation method (ISO 6145-9:2001)  
- zamijenjena s: HRN EN ISO 6145-9:2010

HRN ISO 6145-9/Cor 1:2003 en  
Analiza plina – Priprava plinskih smjesa za umjeravanje primjenom dinamičkih volumetrijskih metoda – 9. dio: Metoda zasićenja (ISO 6145-9:2001/Cor 1:2002)  
Gas analysis – Preparation of calibration gas mixtures using dynamic volumetric methods – Part 9: Saturation method (ISO 6145-9:2001/Cor 1:2002)  
- zamijenjena s: HRN EN ISO 6145-9:2010

HRN EN ISO 10423:2006 en  
Industrija nafte i prirodnog plina – Oprema za bušenje i proizvodnju – Oprema za bušotinske glave i erupcijske uređaje (ISO 10423:2003; EN ISO 10423:2004)  
Petroleum and natural gas industries – Drilling and production equipment – Wellhead and christmas tree equipment (ISO 10423:2003; EN ISO 10423:2004)  
- zamijenjena s: HRN EN ISO 10423:2010

HRN EN ISO 10426-1:2008 en  
Industrija nafte i prirodnog plina – Cementi i materijali za cementaciju bušotina – 1. dio: Specifikacija (ISO 10426-1:2005; EN ISO 10426-1:2006)  
Petroleum and natural gas industries – Cements and materials for well cementing – Part 1: Specification (ISO 10426-1:2005; EN ISO 10426-1:2006)  
- zamijenjena s: HRN EN ISO 10426-1:2010

HRN ISO 13628-5:2003 en  
Industrija nafte i prirodnog plina – Projektiranje i rad podmorskih proizvodnih sustava – 5. dio: Podmorski vodovi (ISO 13628-5:2002)  
Petroleum and natural gas industries – Design and operation of subsea production systems – Part 5: Subsea umbilicals (ISO 13628-5:2002)  
- zamijenjena s: HRN EN ISO 13628-5:2010

HRN ISO 13678:2001 en  
Industrija nafte i prirodnog plina – Utvrđivanje vrijednosti i ispitivanja masti za podmazivanje navoja na zaštitnim cijevima, uzlaznim cijevima i cjevovodima (ISO 13678:2000)  
Petroleum and natural gas industries – Evaluation and testing of thread compounds for use with casing, tubing and line pipe (ISO 13678:2000)  
- zamijenjena s: HRN EN ISO 13678:2010

HRN EN ISO 13709:2006 en  
Industriju nafte, petrokemije i prirodnog plina – Centrifugalne pumpe za industriju nafte, petrokemije i prirodnog plina (ISO 13709:2003; EN ISO 13709:2003)  
Petroleum, petrochemical and natural gas industries – Centrifugal pumps for petroleum, petrochemical and natural gas industries (ISO 13709:2003; EN ISO 13709:2003)  
- zamijenjena s: HRN EN ISO 13709:2010

HRN ISO 15544:2001 en  
Industrija nafte i prirodnog plina – Odobalna proizvodna postrojenja – Zahtjevi i smjernice interventnih mjera (ISO 15544:2000)  
Petroleum and natural gas industries – Offshore production installations – Requirements and guidelines for emergency response (ISO 15544:2000)  
- zamijenjena s: HRN EN ISO 15544:2010

HRN EN ISO 20815:2008 en  
Industrija nafte, petrokemije i prirodnog plina – Osiguranje proizvodnje i upravljanje pouzdanošću (ISO 20815:2008; EN ISO 20815:2008)  
Petroleum, petrochemical and natural gas industries – Production assurance and reliability management (ISO 20815:2008; EN ISO 20815:2008)  
- zamijenjena s: HRN EN ISO 20815:2010

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

HRN EN 617:2003 en  
Prenosila i sustavi neprekidne dobave – Sigurnost i EMC zahtjevi na opremu za skladištenje sipkog materijala u silosima, bunkerima, posudama i lijevcima (EN 617:2001)  
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 617:2001)  
- zamijenjena s: HRN EN ISO 617:2010



- HRN EN 618:2003 en  
Prenosila i sustavi neprekidne dobave – Sigurnosni i EMC zahtjevi na opremu mehaničke dobave sipkog materijala osim nepokretnih trakastih konvejera (EN 618:2002)  
Continuous handling equipment and systems – Safety and EMC requirements for equipment for mechanical handling of bulk materials except fixed belt conveyors (EN 618:2002)  
- zamijenjena s: HRN EN 618:2010
- HRN EN 620:2003 en  
Prenosila i sustavi neprekidne dobave – Sigurnost i EMS zahtjevi na nepokretne trakaste konvejere za sipki materijal (EN 620:2002)  
Continuous handling equipment and systems – Safety and EMC requirements for fixed belt conveyors for bulk materials (EN 620:2002)  
- zamijenjena s: HRN EN 620:2010
- HRN EN 741:2001 en  
Prenosila i sustavi neprekidne dobave – Sigurnosni zahtjevi za sustave i komponente pneumatske dobave sipkog materijala (EN 741:2000)  
Continuous handling equipment and systems – Safety requirements for systems and their components for pneumatic handling of bulk materials (EN 741:2000)  
- zamijenjena s: HRN EN 741:2010
- HRN EN 13000:2004 en  
Granici – Mobilni granici (EN 13000:2004)  
Cranes – Mobile cranes (EN 13000:2004)  
- zamijenjena s: HRN EN 13000:2010
- HRN EN 13157:2004 en  
Granici – Sigurnost – Podizni uređaji na ručni pogon (EN 13157:2004)  
Cranes – Safety – Hand powered lifting equipment (EN 13157:2004)  
- zamijenjena s: HRN EN 13157:2010
- HRN EN 13157:2004/Ispr.1:2008 en  
Granici – Sigurnost – Podizni uređaji na ručni pogon (EN 13157:2004/AC:2008)  
Cranes – Safety – Hand powered lifting equipment (EN 13157:2004/AC:2008)  
- zamijenjena s: HRN EN 13157:2010
- HRN EN 14238:2004 en  
Granici – Ručno vođeni manipulatori (EN 14238:2004)  
Cranes – Manually controlled load manipulating devices (EN 14238:2004)  
- zamijenjena s: HRN EN 14238:2010
- HRN EN 14492-1:2008 en  
Granici – Vitla i dizalice na strojni pogon – 1. dio: Vitla s pogonom (EN 14492-1:2006)  
Cranes – Power driven winches and hoists – Part 1: Power driven winches (EN 14492-1:2006)  
- zamijenjena s: HRN EN 14492-1:2010
- HRN EN 14492-2:2008 en  
Granici – Vitla i dizalice na strojni pogon – 2. dio: Dizalice na strojni pogon (EN 14492-2:2006)  
Cranes – Power driven winches and hoists – Part 2: Power driven hoists (EN 14492-2:2006)  
- zamijenjena s: HRN EN 14492-2:2010

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

- HRN EN ISO 175:2005 en  
Plastika – Ispitne metode za određivanje utjecaja uranjanja u kapljevite kemikalije (ISO 175:1999; EN ISO 175:2000)  
Plastics – Methods of test for the determination of the effects of immersion in liquid chemicals (ISO 175:1999; EN ISO 175:2000)  
- zamijenjena s: HRN EN ISO 175:2010

- HRN EN ISO 877:2008 en  
Plastika – Metode izlaganja izravnom atmosferskom starenju, atmosferskom starenju pod utjecajem dnevne svjetlosti filtrirane kroz staklo i ubrzanom atmosferskom starenju pod utjecajem dnevne svjetlosti uz pomoć Fresnelovih ogledala (ISO 877:1994; EN ISO 877:1996)  
Plastics – Methods of exposure to direct weathering, to weathering using glass-filtered daylight, and to intensified weathering by daylight using Fresnel mirrors (ISO 877:1994; EN ISO 877:1996)  
- zamijenjena s: HRN EN ISO 877-1:2010
- HRN EN ISO 4611:2008 en  
Plastika – Određivanje izloženosti vlažnoj klimi, raspršenoj vodi i slanoj izmaglici (ISO 4611:2008; EN ISO 4611:2008)  
Plastics – Determination of the effects of exposure to damp heat, water spray and salt mist (ISO 4611:2008; EN ISO 4611:2008)  
- zamijenjena s: HRN EN ISO 4611:2010

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

- HRN ISO 3040:2008 en  
Tehnički crteži – Kotiranje i tolerancije – Stošci (ISO 3040:1990)  
Technical drawings – Dimensioning and tolerancing – Cones (ISO 3040:1990)  
- zamijenjena s: HRN ISO 3040:2010
- HRN EN ISO 3650:2008/Ispr.1:2010 en  
Geometrijske specifikacije proizvoda (GSP) – Etaloni duljine – Planparalelne granične mjerke (ISO 3650:1998/Cor 1:2008; EN ISO 3650:1998/AC:2009)  
Geometrical product specifications (GPS) – Length standards – Gauge blocks (ISO 3650:1998/Cor 1:2008; EN ISO 3650:1998/AC:2009)  
- bez zamjene
- HRN EN ISO 10360-2:2008 en  
Geometrijske specifikacije proizvoda (GSP) – Testovi za prihvatljivost i naknadnu provjeru trokoordinatnih mjernih uređaja (TMU) – 2. dio: Uporaba TMU-a za mjerenje veličine (ISO 10360-2:2001; EN ISO 10360-2:2001)  
Geometrical product specifications (GPS) – Acceptance and reverification tests for coordinate measuring machines (CMM) – Part 2: CMMs used for measuring size (ISO 10360-2:2001; EN ISO 10360-2:2001)  
- zamijenjena s: HRN EN ISO 10360-2:2010
- HRN EN ISO 10360-5:2008 en  
Geometrijske specifikacije proizvoda (GSP) – Testovi za prihvatljivost i naknadnu provjeru trokoordinatnih mjernih uređaja (TMU) – 5. dio: Uporaba TMU-a s višestrukim ticalima (ISO 10360-5:2000; EN ISO 10360-5:2000)  
Geometrical product specifications (GPS) – Acceptance and reverification tests for coordinate measuring machines (CMM) – Part 5: CMMs using multiple-stylus probing systems (ISO 10360-5:2000; EN ISO 10360-5:2000)  
- zamijenjena s: HRN EN ISO 10360-5:2010

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

- HRN EN ISO 16484-5:2008 en  
Digitalni sustavi upravljanja u zgradama (BACS) – 5. dio: Podatkovni komunikacijski protokol (ISO 16484-5:2007; EN ISO 16484-5:2008)  
Building automation and control systems – Part 5: Data communication protocol (ISO 16484-5:2007; EN ISO 16484-5:2008)  
- zamijenjena s: HRN EN ISO 16484-5:2010

HRN EN ISO 16484-5:2008/A1:2010 en  
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)  
- zamijenjena s: HRN EN ISO 16484-5:2010

### **HZN/TO 544, Strojni elementi**

HRN EN 20225:2005 en,fr,ru  
Spojni elementi – Glavati vijci, svorni vijci i matice –  
Oznake i označivanje izmjera (ISO 225:1983;  
EN 20225:1991)  
Fasteners – Bolts, screws, studs and nuts – Symbols  
and designations of dimensions (ISO 225:1983;  
EN 20225:1991)  
- zamijenjena s: HRN EN ISO 225:2010

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

HRN EN 593:2008 en  
Industrijski zaporni uređaji – Metalne leptiraste  
zaklopke (EN 593:2004)  
Industrial valves – Metallic butterfly valves  
(EN 593:2004)  
- zamijenjena s: HRN EN 593:2010

HRN EN 1349:2002 en  
Regulacijski ventili za industrijske procese  
(EN 1349:2000)  
Industrial process control valves (EN 1349:2000)  
- zamijenjena s: HRN EN 1349:2010

HRN EN 1349:2002/Ispr.1:2008 en  
Regulacijski ventili za industrijske procese  
(EN 1349:2000/AC:2001)  
Industrial process control valves  
(EN 1349:2000/AC:2001)  
- zamijenjena s: HRN EN 1349:2010

HRN EN 1984:2002 en  
Industrijski ventili – Čelični ventili – zasuni  
(EN 1984:2000)  
Industrial valves – Steel gate valves (EN 1984:2000)  
- zamijenjena s: HRN EN 1984:2010

HRN EN ISO 10497:2004 en  
Ispitivanja ventila – Zahtjevi za ispitivanja od požara  
(ISO 10497:2004; EN ISO 10497:2004)  
Testing of valves – Fire type-testing requirements  
(ISO 10497:2004; EN ISO 10497:2004)  
- zamijenjena s: HRN EN ISO 10497:2010

HRN EN 12288:2007 en  
Industrijski zaporni uređaji – Zasuni od bakrenih legura  
(EN 12288:2003)  
Industrial valves – Copper alloy gate valves  
(EN 12288:2003)  
- zamijenjena s: HRN EN 12288:2010

HRN EN 12351:2002 en  
Industrijski ventili – Zaštitne kape za ventile s  
prirubničkim spojevima (EN 12351:1999)  
Industrial valves – Protective caps for valves with  
flanged connections (EN 12351:1999)  
- zamijenjena s: HRN EN 12351:2010

HRN EN 12982:2002 en  
Industrijski ventili – Ugradbene mjere od kraja do kraja  
i od centra do kraja za ventile sa sučelno zavarivim  
krajevima (EN 12982:2000)  
Industrial valves – End-to-end and centre-to-end  
dimensions for butt welding end valves  
(EN 12982:2000)  
- zamijenjena s: HRN EN 12982:2010

HRN EN 13709:2007 en  
Industrijski zaporni uređaji – Čelični zaporni uređaji i  
zaporni zaustavni i protupovratni zaporni uređaji  
(EN 13709:2002)  
Industrial valves – Steel globe and globe stop and  
check valves (EN 13709:2002)  
- zamijenjena s: HRN EN 13709:2010

HRN EN 13789:2003 en  
Industrijski ventili – Zaporni ventili izrađeni od  
lijevanog željeza (EN 13789:2002)  
Industrial valves – Cast iron globe valves  
(EN 13789:2002)  
- zamijenjena s: HRN EN 13789:2010

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

HRN EN ISO 105-A01:2003 en  
Tekstil – Ispitivanje postojanosti obojenja – Dio A01:  
Opća načela ispitivanja (ISO 105-A01:1994;  
EN ISO 105-A01:1995)  
Textiles – Tests for colour fastness – Part A01: General  
principles of testing (ISO 105-A01:1994;  
EN ISO 105-A01:1995)  
- zamijenjena s: HRN EN ISO 105-A01:2010

HRN EN ISO 105-C06:2003 en  
Tekstil – Ispitivanje postojanosti obojenja – Dio C06:  
Postojanost obojenja pri pranju u kućanstvu i  
komercijalnom pranju (ISO 105-C06:1994;  
EN ISO 105-C06:1997)  
Textiles – Tests for colour fastness – Part C06: Colour  
fastness to domestic and commercial laundering  
(ISO 105-C06:1994; EN ISO 105-C06:1997)  
- zamijenjena s: HRN EN ISO 105-C06:2010

HRN EN ISO 105-C06:2003/Ispr.1:2009 en  
Tekstilije – Ispitivanje postojanosti obojenja – Dio C06:  
Postojanost obojenja pri pranju u kućanstvu i  
komercijalnom pranju (ISO 105-C06:1994/Cor 1:2002;  
EN ISO 105-C06:1997/AC:2009)  
Textiles – Tests for colour fastness – Part C06: Colour  
fastness to domestic and commercial laundering  
(ISO 105-C06:1994/Cor 1:2002;  
EN ISO 105-C06:1997/AC:2009)  
- zamijenjena s: HRN EN ISO 105-C06:2010

HRN EN ISO 105-C08:2003 en  
Tekstil – Ispitivanje postojanosti obojenja – Dio C08:  
Postojanost obojenja pri pranju u kućanstvu i  
komercijalnom pranju uporabom deterdženta bez  
fosfata s aktivatorom bijeljenja na niskoj temperaturi  
(ISO 105-C08:2001; EN ISO 105-C08:2002)  
Textiles – Tests for colour fastness – Part C08: Colour  
fastness to domestic and commercial laundering using  
a non-phosphate as reference detergent incorporating  
a low temperature bleach activator  
(ISO 105-C08:2001; EN ISO 105-C08:2002)  
- zamijenjena s: HRN EN ISO 105-C08:2010

HRN EN ISO 105-C08:2003/A1:2008 en  
Tekstil – Ispitivanje postojanosti obojenja – Dio C08:  
Postojanost obojenja pri pranju u kućanstvu i  
komercijalnom pranju uporabom deterdženta bez  
fosfata s aktivatorom bijeljenja na niskoj temperaturi  
(ISO 105-C08:2001/Amd 1:2006;  
EN ISO 105-C08:2002/A1:2008)  
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 – Amendment 1  
(ISO 105-C08:2001/Amd 1:2006;  
EN ISO 105-C08:2002/A1:2008)  
- zamijenjena s: HRN EN ISO 105-C08:2010

- HRN EN ISO 105-E01:2003 en  
Tekstil – Ispitivanje postojanosti obojenja – Dio E01: Postojanost obojenja na vodu (ISO 105-E01:1994; EN ISO 105-E01:1996)  
Textiles – Tests for colour fastness – Part E01: Colour fastness to water (ISO 105-E01:1994; EN ISO 105-E01:1996)  
- zamijenjena s: HRN EN ISO 105-E01:2010
- HRN EN ISO 105-E03:2003 en  
Tekstil – Ispitivanje postojanosti obojenja – Dio E03: Postojanost obojenja na kloriranu vodu (bazensku vodu) (ISO 105-E03:1994; EN ISO 105-E03:1996)  
Textiles – Tests for colour fastness – Part E03: Colour fastness to chlorinated water (swimming-pool water) (ISO 105-E03:1994; EN ISO 105-E03:1996)  
- zamijenjena s: HRN EN ISO 105-E03:2010
- HRN EN ISO 105-E05:2008 en  
Tekstilije – Ispitivanje postojanosti obojenja – Dio E05: Postojanost obojenja na kapi: Kiselina (ISO 105-E05:2006; EN ISO 105-E05:2006+AC:2007)  
Textiles – Tests for colour fastness – Part E05: Colour fastness to spotting: Acid (ISO 105-E05:2006; EN ISO 105-E05:2006+AC:2007)  
- zamijenjena s: HRN EN ISO 105-E05:2010
- HRN EN ISO 105-E07:2003 en  
Tekstil – Ispitivanje postojanosti obojenja – Dio E07: Postojanost obojenja na kapi: Voda (ISO 105-E07:1989; EN ISO 105-E07:1997)  
Textiles – Tests for colour fastness – Part E07: Colour fastness to spotting: Water (ISO 105-E07:1989; EN ISO 105-E07:1997)  
- zamijenjena s: HRN EN ISO 105-E07:2010
- HRN EN ISO 105-E09:2005 en  
Tekstil – Ispitivanje postojanosti obojenja – Dio E09: Postojanost obojenja na dekatiranje u kipućoj vodi (ISO 105-E09:1989; EN ISO 105-E09:1997)  
Textiles – Tests for colour fastness – Part E09: Colour fastness to potting (ISO 105-E09:1989; EN ISO 105-E09:1997)  
- zamijenjena s: HRN EN ISO 105-E09:2010
- HRN EN ISO 105-E12:2003 en  
Tekstil – Ispitivanje postojanosti obojenja – Dio E12: Postojanost obojenja na alkalno valjkanje (ISO 105-E12:1989+Amd 1:2002; EN ISO 105-E12:1997+A1:2002)  
Textiles – Tests for colour fastness – Part E12: Colour fastness to milling: Alkaline milling (ISO 105-E12:1989+Amd 1:2002; EN ISO 105-E12:1997+A1:2002)  
- zamijenjena s: HRN EN ISO 105-E12:2010
- HRN EN ISO 2061:2008 en  
Tekstilije – Određivanje uvojitosti pređa – Metoda izravnog brojenja (ISO 2061:1995; EN ISO 2061:1995)  
Textiles – Determination of twist in yarns – Direct counting method (ISO 2061:1995; EN ISO 2061:1995)  
- zamijenjena s: HRN EN ISO 2061:2010
- HRN EN ISO 2307:2008 en  
Vlaknasta užad – Određivanje određenih fizikalnih i mehaničkih svojstava (ISO 2307:2005; EN ISO 2307:2005)  
Fibre ropes – Determination of certain physical and mechanical properties (ISO 2307:2005; EN ISO 2307:2005)  
- zamijenjena s: HRN EN ISO 2307:2010
- HRN EN ISO 3175-1:2003 en  
Tekstil – Kemijsko čišćenje i oplemenjivanje – 1. dio: Metoda za ocjenu mogućnosti čišćenja tekstila i odjeće (ISO 3175-1:1998; EN ISO 3175-1:1998)  
Textiles – Dry-cleaning and finishing – Part 1: Method for assessing the cleanability of textiles and garments (ISO 3175-1:1998; EN ISO 3175-1:1998)  
- zamijenjena s: HRN EN ISO 3175-1:2010
- HRN EN ISO 3175-2:2003 en  
Tekstil – Kemijsko čišćenje i oplemenjivanje – 2. dio: Postupci za tetrakloretilen (ISO 3175-2:1998; EN ISO 3175-2:1998)  
Textiles – Dry-cleaning and finishing – Part 2: Procedures for tetrachloroethene (ISO 3175-2:1998; EN ISO 3175-2:1998)  
- zamijenjena s: HRN EN ISO 3175-2:2010
- HRN EN ISO 6179:2008 en  
Guma, vulkanizirana ili termoplastična – Gumirane plahte i plošne tekstilije naslojene gumom – Određivanje ocjene propuštanja hlapljivih kapljevine (gravimetrijska metoda) (ISO 6179:1998; EN ISO 6179:2000)  
Rubber, vulcanized or thermoplastic – Rubber sheets and rubber-coated fabrics – Determination of transmission rate of volatile liquids (gravimetric technique) (ISO 6179:1998; EN ISO 6179:2000)  
- zamijenjena s: HRN EN ISO 6179:2010
- HRN EN ISO 9554:2008 en  
Vlaknasta užad – Opći uvjeti (ISO 9554:2005; EN ISO 9554:2005)  
Fibre ropes – General specifications (ISO 9554:2005; EN ISO 9554:2005)  
- zamijenjena s: HRN EN ISO 9554:2010
- HRN EN ISO 12952-1:2003 en  
Tekstil – Ponašanje posteljnog rublja pri gorenju – 1. dio: Opće metode ispitivanja zapaljivosti uzrokovane tinjanjem cigarete (ISO 12952-1:1998; EN ISO 12952-1:1998)  
Textiles – Burning behavior of bedding items – Part 1: General test methods for the ignitability by smoldering cigarette (ISO 12952-1:1998; EN ISO 12952-1:1998)  
- zamijenjena s: HRN EN ISO 12952-1:2010
- HRN EN ISO 12952-2:2003 en  
Tekstil – Ponašanje posteljnog rublja pri gorenju – 2. dio: Specifične metode ispitivanja zapaljivosti uzrokovane tinjanjem cigarete (ISO 12952-2:1998; EN ISO 12952-2:1998)  
Textiles – Burning behavior of bedding items – Part 2: Specific test methods for the ignitability by smoldering cigarette (ISO 12952-2:1998; EN ISO 12952-2:1998)  
- zamijenjena s: HRN EN ISO 12952-2:2010
- HRN EN ISO 14419:2008 en  
Tekstilije – Ulje odbojnost – Ispitivanje otpornosti na ugljikovodike (ISO 14419:1998+Cor 1:2004; EN ISO 14419:1999+AC:2006)  
Textiles – Oil repellency – Hydrocarbon resistance test (ISO 14419:1998+Cor 1:2004; EN ISO 14419:1999+AC:2006)  
- zamijenjena s: HRN EN ISO 14419:2010
- HRN EN ISO 15487:2008 en  
Tekstilije – Metoda za ocjenjivanje izgleda odjeće i drugih tekstilnih proizvoda nakon pranja i sušenja u kućanstvu (ISO 15487:1999; EN ISO 15487:2001)  
Textiles – Method for assessing appearance of apparel and other textile end products after domestic washing and drying (ISO 15487:1999; EN ISO 15487:2001)  
- zamijenjena s: HRN EN ISO 15487:2010
- HRN EN ISO 15619:2008 en  
Guma ili plastično obloženi tekstilni materijali – Sigurnost privremene konstrukcije (šatori) – Specifikacija za obloženi materijali namijenjeni za šatore i srodne konstrukcije (EN 15619:2008)  
Rubber or plastic coated fabrics – Safety of temporary structures (tents) – Specification for coated fabrics intended for tents and related structures (EN 15619:2008)  
- zamijenjena s: HRN EN ISO 15619:2010

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

- HRN EN 14359:2008 en  
Akumulacijski spremnici punjeni plinom za hidraulične pogonske sustave (EN 14359:2006)  
Gas-loaded accumulators for fluid power applications (EN 14359:2006)  
- zamijenjena s: HRN EN 14359:2010

## **HZN/TO 562, *Alatni strojevi i alati***

- HRN EN 201:2008 en  
Strojevi za gumu i plastiku – Strojevi za injekcijsko ubrizgavanje – Sigurnosni zahtjevi (EN 201:1997+A1:2000+A2:2005)  
Rubber and plastics machines – Injection moulding machines – Safety requirements (EN 201:1997+A1:2000+A2:2005)  
- zamijenjena s: HRN EN 201:2010
- HRN EN 422:2008 en  
Strojevi za gumu i plastiku – Sigurnost – Strojevi za puhanje u kalupe namijenjeni za proizvodnju šupljih artikala – Zahtjevi za oblikovanje i konstrukciju (EN 422:1995)  
Rubber and plastics machines – Safety – Blow moulding machines intended for the production of hollow articles – Requirements for the design and construction (EN 422:1995)  
- zamijenjena s: HRN EN 422:2010
- HRN EN 848-1:2008 en  
Sigurnost strojeva za obradu drva – Jednostrani strojevi za oblikovanje kalupa rotirajućim alatom – 1. dio: Jednovretni strojevi za vertikalno oblikovanje kalupa (EN 848-1:2007)  
Safety of woodworking machines – One side moulding machines with rotating tool – Part 1: Single spindle vertical moulding machines (EN 848-1:2007)  
- zamijenjena s: HRN EN 848-1:2010
- HRN EN 848-2:2008 en  
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 848-2:2007)  
Safety of woodworking machines – One side moulding machines with rotating tool – Part 2: Single spindle hand fed/integrated fed routing machines (EN 848-2:2007)  
- zamijenjena s: HRN EN 848-2:2010
- HRN EN 848-3:2008 en  
Sigurnost strojeva za obradu drva – Jednostrani strojevi za oblikovanje kalupa rotirajućim alatom – 3. dio: Numeričko upravljani strojevi (NC) za bušenje i vođenje po krivulji (EN 848-3:2007)  
Safety of woodworking machines – One side moulding machines with rotating tools – Part 3: Numerically controlled (NC) boring and routing machines (EN 848-3:2007)  
- zamijenjena s: HRN EN 848-3:2010
- HRN EN 859:2008 en  
Sigurnost strojeva za obradu drva – Ručno vođeni strojevi za blanjanje površine (EN 859:2007)  
Safety of woodworking machines – Hand-fed surface planing machines (EN 859:2007)  
- zamijenjena s: HRN EN 859:2010
- HRN EN 860:2008 en  
Sigurnost strojeva za obradu drva – Strojevi za jednostrano blanjanje (EN 860:2007)  
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- zamijenjena s: HRN EN 860:2010

- HRN EN 861:2008 en  
Sigurnost strojeva za obradu drva – Strojevi za blanjanje površina i blanjanje na debljinu (EN 861:2007+AC:2008)  
Safety of woodworking machines – Surface planing and thicknessing machines (EN 861:2007+AC:2008)  
- zamijenjena s: HRN EN 861:2010
- HRN EN 940:2008 en  
Sigurnost strojeva za obradu drva – Kombinirani strojevi za obradu drva (EN 940:1997+AC:1997)  
Safety of woodworking machines – Combined woodworking machines (EN 940:1997+AC:1997)  
- zamijenjena s: HRN EN 940:2010
- HRI CR 1100:2009 en  
Memorandum of health and safety standardization in support of „New Approach“ Directives – Application in the field of machinery (CR 1100:1993)  
- bez zamjene
- HRN EN 1218-1:2008 en  
Sigurnost strojeva za obradu drva – Strojevi za izradu rukavaca – 1. dio: Strojevi za jednostranu izradu rukavaca s pomičnim stolom (EN 1218-1:1999)  
Safety of woodworking machines – Tenoning machines – Part 1: Single end tenoning machines with sliding table (EN 1218-1:1999)  
- zamijenjena s: HRN EN 1218-1:2010
- HRN EN 1218-2:2008 en  
Sigurnost strojeva za obradu drva – Strojevi za izradu rukavaca – 2. dio: Strojevi za dvostranu izradu rukavaca i/ili profiliranje pogonjeni lancem ili lancima (EN 1218-2:2004+AC:2006)  
Safety of woodworking machines – Tenoning machines – Part 2: Double end tenoning and/or profiling machines fed by chain or chains (EN 1218-2:2004+AC:2006)  
- zamijenjena s: HRN EN 1218-2:2010
- HRN EN 1218-3:2008 en  
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 1218-3:2001)  
Safety of woodworking machines – Tenoning machines – Part 3: Hand fed tenoning machines with sliding table for cutting structural timbers (EN 1218-3:2001)  
- zamijenjena s: HRN EN 1218-3:2010
- HRN EN 1218-4:2008 en  
Sigurnost strojeva za obradu drva – Strojevi za izradu rukavaca – 4. dio: Strojevi za savijanje bridova pogonjeni lancem (lancima) (EN 1218-4:2004+A1:2005+AC:2006)  
Safety of woodworking machines – Tenoning machines – Part 4: Edge banding machines fed by chain(s) (EN 1218-4:2004+A1:2005+AC:2006)  
- zamijenjena s: HRN EN 1218-4:2010
- HRN EN 1218-5:2008 en  
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 1218-5:2004+AC:2006)  
Safety of woodworking machines – Tenoning machines – Part 5: One side profiling machines with fixed table and feed rollers or fed by chain (EN 1218-5:2004+AC:2006)  
- zamijenjena s: HRN EN 1218-5:2010
- HRN EN 1807:2003 en  
Sigurnost strojeva za obradu drva – Tračne pile (EN 1807:1999)  
Safety of woodworking machines – Band sawing machines (EN 1807:1999)  
- zamijenjena s: HRN EN 1807:2010



- HRN EN 1870-4:2003 en  
Sigurnost strojeva za obradu drva – Kružne pile –  
4. dio: Višelisne pile s ručnim ulaganjem i/ili  
prihvatanjem gotovog obratka (EN 1870-4:2001)  
Safety of woodworking machines – Circular sawing  
machines – Part 4: Multiblade rip sawing machines  
with manual loading and/or unloading  
(EN 1870-4:2001)  
- zamijenjena s: HRN EN 1870-4:2010
- HRN EN 1870-5:2003 en  
Sigurnost strojeva za obradu drva – Kružne pile –  
5. dio: Kružne pile sa stolovima/potežno-poprečne  
pile (EN 1870-5:2002)  
Safety of woodworking machines – Circular sawing  
machines – Part 5: Circular sawbenches/up-cutting  
cross-cut sawing machines (EN 1870-5:2002)  
- zamijenjena s: HRN EN 1870-5:2010
- HRN EN 1870-6:2008 en  
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 1870-6:2002)  
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 (EN 1870-6:2002)  
- zamijenjena s: HRN EN 1870-6:2010
- HRN EN 1870-7:2008 en  
Sigurnost strojeva za obradu drveta – Kružne pile –  
7. dio: Kružne pile za trupce s jednom pilom, s  
ugrađenim posmakom stola i ručnim ulaganjem i/ili  
odlaganjem (EN 1870-7:2002)  
Safety of woodworking machines – Circular sawing  
machines – Part 7: Single blade log sawing machines  
with integrated feed table and manual loading and/  
unloading (EN 1870-7:2002)  
- zamijenjena s: HRN EN 1870-7:2010
- HRN EN 1870-8:2008 en  
Sigurnost strojeva za obradu drveta – Kružne pile –  
8. dio: Kružne pile za krajčenje i paranje s pogonom  
kružne pile i ručnim ulaganjem i/ili odlaganjem  
(EN 1870-8:2001)  
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 (EN 1870-8:2001)  
- zamijenjena s: HRN EN 1870-8:2010
- HRN EN 1870-9:2008 en  
Sigurnost strojeva za obradu drveta – Kružne pile –  
9. dio: Kružne pile s dvije pile za poprečno rezanje  
s ugrađenim posmakom i ručnim ulaganjem i/ili  
odlaganjem (EN 1870-9:2000)  
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 1870-9:2000)  
- zamijenjena s: HRN EN 1870-9:2010
- HRN EN 1870-10:2008 en  
Sigurnost strojeva za obradu drveta – Kružne pile –  
10. dio: Podstolne automatske i poluautomatske klatne  
pile (s jednom pilom) (EN 1870-10:2003+AC:2006)  
Safety of woodworking machines – Circular sawing  
machines – Part 10: Single blade automatic and semi-  
automatic up-cutting cross-cut sawing machines  
(EN 1870-10:2003+AC:2006)  
- zamijenjena s: HRN EN 1870-10:2010
- HRN EN 1870-11:2008 en  
Sigurnost strojeva za obradu drveta – Kružne pile –  
11. dio: Poluautomatske i automatske horizontalne  
kružne pile za poprečno rezanje s jednom pilom  
(radijalni nosač pile) (EN 1870-11:2003+AC:2006)  
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machines – Part 11: Semi-automatic and automatic  
horizontal cross-cut sawing machines with one saw  
unit (radial arm saws) (EN 1870-11:2003+AC:2006)  
- zamijenjena s: HRN EN 1870-11:2010
- HRN EN 1870-12:2008 en  
Sigurnost strojeva za obradu drveta – Kružne pile –  
12. dio: Klatne kružne pile za poprečno rezanje  
(EN 1870-12:2003+AC:2006)  
Safety of woodworking machines – Circular sawing  
machines – Part 12: Pendulum cross-cut sawing  
machines (EN 1870-12:2003+AC:2006)  
- zamijenjena s: HRN EN 1870-12:2010
- HRN EN 1870-13:2008 en  
Sigurnost strojeva za obradu drveta – Kružne pile –  
13. dio: Horizontalne kružne pile za ploče s pritisnim  
uređajem (EN 1870-13:2007)  
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- zamijenjena s: HRN EN 1870-13:2010
- HRN EN 1870-14:2008 en  
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14. dio: Vertikalne kružne pile za ploče  
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(EN 1870-14:2007)  
- zamijenjena s: HRN EN 1870-14:2010
- HRN EN 1870-16:2008 en  
Sigurnost strojeva za obradu drveta – Kružne pile –  
16. dio: Pile za V-rezanje (EN 1870-16:2005)  
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for V-cutting (EN 1870-16:2005)  
- zamijenjena s: HRN EN 1870-16:2010
- HRN EN 12622:2002 en  
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- zamijenjena s: HRN EN 12622:2010
- HRN EN 12750:2009 en  
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Safety of machine tools – Hydraulic press brakes  
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- zamijenjena s: HRN EN 12622:2010
- HRN EN 12779:2009 en  
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Safety of machine tools – Hydraulic press brakes  
(EN 12622:2001)  
- zamijenjena s: HRN EN 12622:2010
- HRN EN 12750:2009 en  
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- zamijenjena s: HRN EN 12622:2010
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- zamijenjena s: HRN EN 12622:2010
- HRN EN 13743:2008 en  
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- zamijenjena s: HRN EN 13743:2010
- HRN EN 13788:2008 en  
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- bez zamjene

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- HRN EN 453:2006 en  
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and hygiene requirements (EN 453:2000)  
- zamijenjena s: HRN EN 453:2010

- HRN EN 454:2006 en  
Strojevi za preradu hrane – Planetarne miješalice – Sigurnosni i higijenski zahtjevi (EN 454:2000)  
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- zamijenjena s: HRN EN 454:2010
- HRN EN 954-1:2001 en  
Sigurnost strojeva – Sigurnosni dijelovi upravljačkih sustava – 1. dio: Opća načela za oblikovanje (EN 954-1:1996)  
Safety of machinery – Safety-related parts of control systems – Part 1: General principles for design (EN 954-1:1996)  
- zamijenjena s: HRN EN ISO 13849-1:2008
- HRN EN 999:2008 en  
Sigurnost strojeva – Smještaj zaštitne opreme ovisno o brzinama približavanja dijelova ljudskog tijela (EN 999:1998+A1:2008)  
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- zamijenjena s: HRN EN ISO 13855:2010
- HRN EN 1010-3:2008 en  
Safety of machinery – Safety requirements for the design and construction of printing and paper converting machines – Part 3: Cutting machines (EN 1010-3:2002)  
- zamijenjena s: HRN EN 1010-3:2010
- HRN EN 1010-4:2008 en  
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- zamijenjena s: HRN EN 1010-4:2010
- HRN EN 1034-1:2008 en  
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- zamijenjena s: HRN EN 1034-1:2010
- HRN EN 1034-2:2008 en  
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- zamijenjena s: HRN EN 1034-2:2010
- HRN EN 1034-3:2008 en  
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- zamijenjena s: HRN EN 1034-3:2010
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- zamijenjena s: HRN EN 1034-4:2010
- HRN EN 1034-5:2008 en  
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- zamijenjena s: HRN EN 1034-5:2010
- HRN EN 1034-6:2008 en  
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- zamijenjena s: HRN EN 1034-6:2010
- HRN EN 1034-7:2008 en  
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- zamijenjena s: HRN EN 1034-7:2010
- HRN EN 1034-14:2008 en  
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- zamijenjena s: HRN EN 1034-14:2010
- HRN EN 1034-22:2008 en  
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- zamijenjena s: HRN EN 1034-22:2010
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- bez zamjene
- HRN EN 1539:2002 en  
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- zamijenjena s: HRN EN 1539:2010
- HRN EN 1673:2006 en  
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- zamijenjena s: HRN EN 1673:2010
- HRN EN 1674:2006 en  
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- zamijenjena s: HRN EN 1674:2010
- HRN EN 1678:2006 en  
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- zamijenjena s: HRN EN 1678:2010
- HRN EN 1953:2002 en  
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- zamijenjena s: HRN EN 1953:2010
- HRN EN 1974:2006 en  
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- zamijenjena s: HRN EN 1974:2010
- HRN EN 12267:2006 en  
Strojevi za preradu hrane – Strojevi s kružnom pilom – Sigurnosni i higijenski zahtjevi (EN 12267:2003)  
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- zamijenjena s: HRN EN 12267:2010
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- zamijenjena s: HRN EN 12268:2010

- HRN EN 12331:2006 en  
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- zamijenjena s: HRN EN 12331:2010
- HRN EN 12355:2006 en  
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Food processing machinery – Derinding-, skinning- and membrane removal machines – Safety and hygiene requirements (EN 12355:2003)  
- zamijenjena s: HRN EN 12355:2010
- HRN EN 12505:2006 en  
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- zamijenjena s: HRN EN 12505:2010
- HRN EN 12581:2006 en  
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- zamijenjena s: HRN EN 12581:2010
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- HRN EN 12757-1:2006 en  
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- zamijenjena s: HRN EN 12757-1:2010
- HRN EN 12851:2008 en  
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- HRN EN 12854:2006 en  
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- HRN EN 12921-1:2006 en  
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- zamijenjena s: HRN EN 12921-1:2010
- HRN EN 12984:2006 en  
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- HRN EN 13023:2004 en  
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- zamijenjena s: HRN EN 13023:2010
- HRN EN 13208:2006 en  
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- zamijenjena s: HRN EN 13389:2010
- HRN EN 13390:2006 en  
Strojevi za preradu hrane – Strojevi za pite i kolače – Sigurnosni i higijenski zahtjevi (EN 13390:2002)  
Food processing machinery – Pie and tart machines – Safety and hygiene requirements (EN 13390:2002)  
- zamijenjena s: HRN EN 13390:2010

- HRN EN 13534:2007 en  
Strojevi za preradu hrane – Strojevi za soljenje injektiranjem – Sigurnosni i higijenski zahtjevi (EN 13534:2006)  
Food processing machinery – Curing injection machines – Safety and hygiene requirements (EN 13534:2006)  
- zamijenjena s: HRN EN 13534:2010
- HRN EN 13570:2006 en  
Strojevi za preradu hrane – Miješalice i strojevi za miješanje – Sigurnosni i higijenski zahtjevi (EN 13570:2005)  
Food processing machinery – Mixing machines – Safety and hygiene requirements (EN 13570:2005)  
- zamijenjena s: HRN EN 13570:2010
- HRN EN 13591:2006 en  
Strojevi za preradu hrane – Ubacivači u peć s fiksiranim poklopcem – Sigurnosni i higijenski zahtjevi (EN 13591:2005)  
Food processing machinery – Fixed deck oven loaders – Safety and hygiene requirements (EN 13591:2005)  
- zamijenjena s: HRN EN 13591:2010
- HRN EN 13621:2006 en  
Strojevi za preradu hrane – Sušilice za salatu – Sigurnosni i higijenski zahtjevi (EN 13621:2004)  
Food processing machinery – Salad dryers – Safety and hygiene requirements (EN 13621:2004)  
- zamijenjena s: HRN EN 13621:2010
- HRN EN 13870:2006 en  
Strojevi za preradu hrane – Strojevi za sjeckanje – Sigurnosni i higijenski zahtjevi (EN 13870:2005)  
Food processing machinery – Chop cutting machines – Safety and hygiene requirements (EN 13870:2005)  
- zamijenjena s: HRN EN 13870:2010
- HRN EN 13871:2006 en  
Strojevi za preradu hrane – Strojevi za rezanje na kocke – Sigurnosni i higijenski zahtjevi (EN 13871:2005+AC:2005)  
Food processing machinery – Cubes cutting machinery – Safety and hygiene requirements (EN 13871:2005+AC:2005)  
- zamijenjena s: HRN EN 13871:2010
- HRN EN 13885:2006 en  
Strojevi za preradu hrane – Strojevi za zatvaranje – Sigurnosni i higijenski zahtjevi (EN 13885:2005)  
Food processing machinery – Clipping machines – Safety and hygiene requirements (EN 13885:2005)  
- zamijenjena s: HRN EN 13885:2010
- HRN EN 13886:2006 en  
Strojevi za preradu hrane – Kotlovi za kuhanje opremljeni mješačima i/ili miješalicama – Sigurnosni i higijenski zahtjevi (EN 13886:2005)  
Food processing machinery – Cooking kettles equipped with powered stirrer and/or mixer – Safety and hygiene requirements (EN 13886:2005)  
- zamijenjena s: HRN EN 13886:2010
- HRN EN 13954:2006 en  
Strojevi za preradu hrane – Rezači kruha – Sigurnosni i higijenski zahtjevi (EN 13954:2005)  
Food processing machinery – Bread slicers – Safety and hygiene requirements (EN 13954:2005)  
- zamijenjena s: HRN EN 13954:2010
- HRN EN 14655:2006 en  
Strojevi za preradu hrane – Rezači francuskog kruha (bageta) – Sigurnosni i higijenski zahtjevi (EN 14655:2005)  
Food processing machinery – Baguette slicers – Safety and hygiene requirements (EN 14655:2005)  
- zamijenjena s: HRN EN 14655:2010
- HRN EN 14957:2008 en  
Food processing machinery – Dishwashing machines with conveyor – Safety and hygiene requirements (EN 14957:2006)  
- zamijenjena s: HRN EN 14957:2010
- HZN/TO 566, Mlijeko i mliječni proizvodi**
- HRN ISO 1738:1999 en  
Maslac – Određivanje količine soli (ISO 1738:1997)  
Butter – Determination of salt content (ISO 1738:1997)  
- zamijenjena s: HRN ISO 1738:2010
- HRN ISO 1739:1999 en  
Maslac – Određivanje indeksa loma masti (Referentna metoda) (ISO 1739:1975)  
Butter – Determination of the refractive index of the fat (Reference method) (ISO 1739:1975)  
- zamijenjena s: HRN ISO 1739:2010
- HRN ISO 1740:1999 en  
Masni proizvodi mlijeka i maslac – Određivanje kiselosti masti (Referentna metoda) (ISO 1740:1991)  
Milk fat products and butter – Determination of fat acidity (Reference method) (ISO 1740:1991)  
- zamijenjena s: HRN ISO 1740:2010
- HRN ISO 2911:1999 en  
Zaslađeno kondenzirano mlijeko – Određivanje količine saharoze – Polarimetrijska metoda (ISO 2911:1976)  
Sweetened condensed milk – Determination of sucrose content – Polarimetric method (ISO 2911:1976)  
- zamijenjena s: HRN ISO 2911:2010
- HRN ISO 2920:1999 en  
Sirutkin sir – Određivanje količine suhe tvari (Referentna metoda) (ISO 2920:1974)  
Whey cheese – Determination of dry matter content (Reference method) (ISO 2920:1974)  
- bez zamjene
- HRN ISO 2962:1999 en  
Sir i proizvodi od topljenog sira – Određivanje količine ukupnog fosfora – Metoda molekularne apsorpcijske spektrometrije (ISO 2962:1984)  
Cheese and processed cheese products – Determination of total phosphorus content – Molecular absorption spectrometric method (ISO 2962:1984)  
- zamijenjena s: HRN ISO 2962:2010
- HRN ISO 3595:1999 en  
Mliječna mast – Otkrivanje biljne masti ispitivanjem pomoću fitosteril acetata (ISO 3595:1976)  
Milk fat – Detection of vegetable fat by the phytosteryl acetate test (ISO 3595:1976)  
- bez zamjene
- HRN ISO 3728:1999 en  
Sladoled i mliječni led – Određivanje količine ukupnih krutina (Referentna metoda) (ISO 3728:1977)  
Ice-cream and milk ice – Determination of total solids content (Reference method) (ISO 3728:1977)  
- zamijenjena s: HRN ISO 3728:2010
- HRN ISO 3890-1:2001 en  
Mlijeko i mliječni proizvodi – Određivanje ostataka kloriranih organskih spojeva (pesticida) – 1. dio: Osnovne upute i metode ekstrakcije (ISO 3890-1:2000)  
Milk and milk products – Determination of residues of organochlorine compounds (pesticides) – Part 1: General considerations and extraction methods (ISO 3890-1:2000)  
- zamijenjena s: HRN ISO 3890-1:2010



- HRN ISO 3890-2:2001 en  
Mlijeko i mliječni proizvodi — Određivanje kloriranih organskih spojeva (pesticida) — 2. dio: Metode ispitivanja za pročišćavanje sirovog ekstrakta i potvrdu (ISO 3890-2:2000)  
Milk and milk products — Determination of residues of organochlorine compounds (pesticides) — Part 2: Test methods for crude extract purification and confirmation (ISO 3890-2:2000)  
- zamijenjena s: HRN ISO 3890-2:2010
- HRN ISO 5536:2003 en  
Mliječni masni proizvodi — Određivanje sadržaja vode — Karl Fischerova metoda (ISO 5536:2002)  
Milk fat products — Determination of water content — Karl Fischer method (ISO 5536:2002)  
- zamijenjena s: HRN ISO 5536:2010
- HRN ISO 5538:1999 en  
Mlijeko i mliječni proizvodi — Uzorkovanje — Ispitivanje po svojstvima (ISO 5538:1987)  
Milk and milk products — Sampling — Inspection by attributes (ISO 5538:1987)  
- zamijenjena s: HRN ISO 5538:2010
- HRN ISO 5541-1:2002 en  
Mlijeko i mliječni proizvodi — Brojenje koliforma — 1. dio: Brojenje kolonija pri 30 °C (ISO 5541-1:1986)  
Milk and milk products — Enumeration of coliforms — Part 1: Colony count technique at 30 degrees C (ISO 5541-1:1986)  
- bez zamjene
- HRN ISO 5541-2:2002 en  
Mlijeko i mliječni proizvodi — Brojenje koliforma — 2. dio: Postupak najvjerojatnijeg broja pri 30 °C (ISO 5541-2:1986)  
Milk and milk products — Enumeration of coliforms — Part 2: Most probable number technique at 30 degrees C (ISO 5541-2:1986)  
- bez zamjene
- HRN ISO 5543:1999 en  
Kazeini i kazeinati — Određivanje količine masti — Gravimetrijska metoda (Referentna metoda) (ISO 5543:1986)  
Caseins and caseinates — Determination of fat content — Gravimetric method (Reference method) (ISO 5543:1986)  
- zamijenjena s: HRN ISO 5543:2010
- HRN ISO 5546:1999 en  
Kazeini i kazeinati — Određivanje pH (Referentna metoda) (ISO 5546:1979)  
Caseins and caseinates — Determination of pH (Reference method) (ISO 5546:1979)  
- zamijenjena s: HRN ISO 5546:2010
- HRN ISO 5548:1999 en  
Kazeini i kazeinati — Određivanje količine laktoze — Fotometrijska metoda (ISO 5548:1980)  
Caseins and caseinates — Determination of lactose content — Photometric method (ISO 5548:1980)  
- zamijenjena s: HRN ISO 5548:2010
- HRN ISO 5738:1999 en  
Mlijeko i mliječni proizvodi — Određivanje količine bakra — Fotometrijska referentna metoda (ISO 5738:1980)  
Milk and milk products — Determination of copper content — Photometric reference method (ISO 5738:1980)  
- zamijenjena s: HRN ISO 5738:2010
- HRN ISO 6091:1999 en  
Mlijeko u prahu — Određivanje kiselosti titriranjem (Referentna metoda) (ISO 6091:1980)  
Dried milk — Determination of titratable acidity (Reference method) (ISO 6091:1980)  
- zamijenjena s: HRN ISO 6091:2010
- HRN ISO 6611:2001 en  
Mlijeko i mliječni proizvodi — Brojenje jedinica kvasaca i/ili plijesni koji formiraju koloniju — Brojenje kolonija pri 25 °C (ISO 6611:1992)  
Milk and milk products — Enumeration of colony-forming units of yeasts and/or moulds — Colony-count technique at 25 degrees C (ISO 6611:1992)  
- zamijenjena s: HRN ISO 6611:2010
- HRN ISO 6730:2001 en  
Mlijeko — Broj poraslih kolonija psihrotrofnih mikroorganizama — Brojenje kolonija pri 6,5 °C (ISO 6730:1992)  
Milk — Enumeration of colony-forming units of psychrotrophic micro-organisms — Colony-count technique at 6,5 degrees C (ISO 6730:1992)  
- zamijenjena s: HRN ISO 6730:2010
- HRN ISO 6732:1999 en  
Mlijeko i mliječni proizvodi — Određivanje količine željeza — Spektrometrijska metoda (Referentna metoda) (ISO 6732:1985)  
Milk and milk products — Determination of iron content — Spectrometric method (Reference method) (ISO 6732:1985)  
- zamijenjena s: HRN ISO 6732:2010
- HRN ISO 7238:1999 en  
Maslac — Određivanje pH seruma — Potenciometrijska metoda (ISO 7238:1983)  
Butter — Determination of pH of the serum — Potentiometric method (ISO 7238:1983)  
- zamijenjena s: HRN ISO 7238:2010
- HRN ISO 8070:1999 en  
Mlijeko u prahu — Određivanje količine natrija i kalija — Spektrometrijska metoda izbacivanja plamena (ISO 8070:1987)  
Dried milk — Determination of sodium and potassium contents — Flame emission spectrometric method (ISO 8070:1987)  
- zamijenjena s: HRN ISO 8070:2010
- HRN ISO 8086:2001 hr  
Mlijekarski pogon — Higijenski uvjeti — Opće upute za postupke provjere i uzorkovanja (ISO 8086:1986)  
Dairy plant — Hygiene conditions — General guidance on inspection and sampling procedures (ISO 8086:1986)  
- zamijenjena s: HRN ISO 8086:2010
- HRN ISO 8151:1999 en  
Mlijeko u prahu — Određivanje količine nitrata — Metoda redukcije kadmijem i spektrometrija (Orientaciona metoda) (ISO 8151:1987)  
Dried milk — Determination of nitrate content — Method by cadmium reduction and spectrometry (Screening method) (ISO 8151:1987)  
- bez zamjene
- HRN ISO 8156:1999 en  
Mlijeko u prahu i proizvodi od mlijeka u prahu — Određivanje indeksa netopljivosti (ISO 8156:1987)  
Dried milk and dried milk products — Determination of insolubility index (ISO 8156:1987)  
- zamijenjena s: HRN ISO 8156:2010
- HRN ISO 8196-1:2001 en  
Mlijeko — Definicija i procjena točnosti indirektnih analitičkih metoda za mlijeko — 1. dio: Analitička obilježja indirektnih metoda (ISO 8196-1:2000)  
Milk — Definition and evaluation of the overall accuracy of indirect methods of milk analysis — Part 1: Analytical attributes of indirect methods (ISO 8196-1:2000)  
- zamijenjena s: HRN ISO 8196-1:2010

- HRN ISO 8196-2:2001 en  
Mlijeko – Definicija i procjena točnosti indirektnih analitičkih metoda za mlijeko – 2. dio: Kalibracija i kontrola kvalitete rada u laboratoriju za analizu mlijeka i mliječnih proizvoda (ISO 8196-2:2000)  
Milk – Definition and evaluation of the overall accuracy of indirect methods of milk analysis – Part 2: Calibration and quality control in the dairy laboratory (ISO 8196-2:2000)  
- zamijenjena s: HRN ISO 8196-2:2010
- HRN ISO 8262-1:1999 en  
Mliječni proizvodi i hrana na osnovi mlijeka – Određivanje količine masti Weibull-Bentropovom gravimetrijskom metodom (Referentna metoda) – 1. dio: Hrana za djecu (ISO 8262-1:1987)  
Milk products and milk-based foods – Determination of fat content by the Weibull-Berntrop gravimetric method (Reference method) – Part 1: Infant foods (ISO 8262-1:1987)  
- zamijenjena s: HRN ISO 8262-1:2010
- HRN ISO 8262-2:1999 en  
Mliječni proizvodi i hrana na osnovi mlijeka – Određivanje količine masti Weibull-Berntropovom gravimetrijskom metodom (Referentna metoda) – 2. dio: Vodeni sladoledi i sladoledne mješavine (ISO 8262-2:1987)  
Milk products and milk-based foods – Determination of fat content by the Weibull-Berntrop gravimetric method (Reference method) – Part 2: Edible ices and ice-mixed (ISO 8262-2:1987)  
- zamijenjena s: HRN ISO 8262-2:2010
- HRN ISO 8262-3:1999 en  
Mliječni proizvodi i hrana na osnovi mlijeka – Određivanje količine masti Weibull-Berntropovom gravimetrijskom metodom (Referentna metoda) – 3. dio: Posebni slučajevi (ISO 8262-3:1987)  
Milk products and milk-based products – Determination of fat content by the Weibull-Berntrop gravimetric method (Reference method) – Part 3: Special cases (ISO 8262-3:1987)  
- zamijenjena s: HRN ISO 8262-3:2010
- HRN ISO 8967:1999 en  
Mlijeko u prahu i proizvodi od mlijeka u prahu – Određivanje ukupne gustoće (ISO 8967:1992)  
Dried milk and dried milk products – Determination of bulk density (ISO 8967:1992)  
- zamijenjena s: HRN ISO 8967:2010
- HRN ISO 9233:1999 en  
Sir i kora od sira – Određivanje količine natamicina – Metoda molekularnom apsorpcijskom spektrometrijom i visokodjelotvornom tekućinskom kromatografijom (ISO 9233:1991)  
Cheese and cheese rind – Determination of natamycin content – Method by molecular absorption spectrometry and by high-performance liquid chromatography (ISO 9233:1991)  
- zamijenjena s: HRN ISO 9233-1:2010
- HRN ISO 10560:2001 en  
Mlijeko i mliječni proizvodi – Izolacija *Listeria monocytogenes* (ISO 10560:1993+Ispr. 1:1994)  
Milk and milk products – Detection of *Listeria monocytogenes* (ISO 10560:1993+Cor 1:1994)  
- bez zamjene
- HRN ISO 11813:1999 en  
Mlijeko i mliječni proizvodi – Određivanje količine cinka – Spektrometrijska metoda atomske apsorpcije plamena (ISO 11813:1998)  
Milk and milk products – Determination of zinc content – Flame atomic absorption spectrometric method (ISO 11813:1998)  
- zamijenjena s: HRN ISO 11813:2010
- HRN ISO 11865:1999 en  
Instant punomasno mlijeko u prahu – Određivanje broja bijelih čestica (ISO 11865:1995)  
Instant whole milk powder – Determination of white flecks number (ISO 11865:1995)  
- zamijenjena s: HRN ISO 11865:2010
- HRN ISO 11866-1:2001 en  
Mlijeko i mliječni proizvodi – Brojenje *Escherichia coli* – 1. dio: Postupak najvjerojatnijeg broja (ISO 11866-1:1997)  
Milk and milk products – Enumeration of presumptive *Escherichia coli* – Part 1: Most probable number technique (ISO 11866-1:1997)  
- zamijenjena s: HRN ISO 11866-1:2010
- HRN ISO 11866-2:2001 en  
Mlijeko i mliječni proizvodi – Brojenje *Escherichia coli* – 2. dio: Postupak najvjerojatnijeg broja uporabom 4-methylumbelliferyl-beta-D-glucuronide (MUG) (ISO 11866-2:1997)  
Milk and milk products – Enumeration of presumptive *Escherichia coli* – Part 2: Most probable number technique using 4-methylumbelliferyl-beta-D-glucuronide (MUG) (ISO 11866-2:1997)  
- zamijenjena s: HRN ISO 11866-1:2010
- HRN ISO 11866-3:2001 en  
Mlijeko i mliječni proizvodi – Brojenje *Escherichia coli* – 3. dio: Brojenje kolonija pri 44 °C uporabom membranske filtracije (ISO 11866-3:1997)  
Milk and milk products – Enumeration of presumptive *Escherichia coli* – Part 3: Colony-count technique at 44 degrees C using membranes (ISO 11866-3:1997)  
- zamijenjena s: HRN ISO 11866-2:2010
- HRN ISO 11870:2001 en  
Mlijeko i mliječni proizvodi – Određivanje udjela masti – Opća uputstva za butirometrijske metode (ISO 11870:2000)  
Milk and milk products – Determination of fat content – General guidance on the use of butyrometric methods (ISO 11870:2000)  
- zamijenjena s: HRN ISO 11870:2010
- HRN ISO 12080-1:2001 en  
Obrano mlijeko u prahu – Određivanje udjela vitamina A – 1. dio: Kolorimetrijska metoda (ISO 12080-1:2000)  
Dried skimmed milk – Determination of vitamin A content – Part 1: Colorimetric method (ISO 12080-1:2000)  
- zamijenjena s: HRN ISO 12080-1:2010
- HRN ISO 12080-2:2001 en  
Obrano mlijeko u prahu – Određivanje udjela vitamina A – 2. dio: Metoda pomoću tekuće kromatografije visokog učinka (ISO 12080-2:2000)  
Dried skimmed milk – Determination of vitamin A content – Part 2: Method using high-performance liquid chromatography (ISO 12080-2:2000)  
- zamijenjena s: HRN ISO 12080-2:2010
- HRN ISO 12081:1999 en  
Mlijeko – Određivanje količine kalcija – Titrimetrijska metoda (ISO 12081:1998)  
Milk – Determination of calcium content – Titrimetric method (ISO 12081:1998)  
- zamijenjena s: HRN ISO 12081:2010
- HRN EN ISO 13366-3:1999 en  
Mlijeko – Brojenje somatičnih stanica – 3. dio: Fluoro-opto-elektronska metoda (ISO 13366-3:1997; EN ISO 13366-3:1997)  
Milk – Enumeration of somatic cells – Part 3: Fluoro-opto-electronic method (ISO 13366-3:1997; EN ISO 13366-3:1997)  
- bez zamjene

HRN ISO 14378:2001 en  
Mlijeko i mlijeko u prahu — Određivanje udjela joda — Metoda pomoću tekuće kromatografije visokog učinka (ISO 14378:2000)  
Milk and dried milk — Determination of iodide content — Method using high-performance liquid chromatography (ISO 14378:2000)  
- zamijenjena s: HRN ISO 14378:2010

### **HZN/TO E31, Eksplozivne atmosfere**

HRN EN 13463-1:2003 en  
Neelektrična oprema za potencijalno eksplozivne atmosfere — 1. dio: Osnovne metode i zahtjevi (EN 13463-1:2001)  
Non-electrical equipment for potentially explosive atmospheres — Part 1: Basic method and requirements (EN 13463-1:2001)  
- zamijenjena s: HRN EN 13463-1:2010

HRN EN 13463-1:2003/Ispr.1:2008 en  
Neelektrična oprema za potencijalno eksplozivne atmosfere — 1. dio: Osnovne metode i zahtjevi (EN 13463-1:2001/AC:2002)  
Non-electrical equipment for potentially explosive atmospheres — Part 1: Basic method and requirements (EN 13463-1:2001/AC:2002)  
- zamijenjena s: HRN EN 13463-1:2010

### **HZN/TO E45, Nuklearna instrumentacija**

HRN IEC 60761-1:2005 en  
Oprema za trajno praćenje radioaktivnosti u plinskim ispuštima — 1. dio: Opći zahtjevi (IEC 60761-1:2002)  
Equipment for continuous monitoring of radioactivity in gaseous effluents — Part 1: General requirements (IEC 60761-1:2002)  
- zamijenjena s: HRN EN 60761-1:2010

HRN IEC 60761-2:2005 en  
Oprema za trajno praćenje radioaktivnosti u plinskim ispuštima — 2. dio: Posebni zahtjevi za sustave praćenja radioaktivnih aerosoli uključujući i transuranske aerosoli (IEC 60761-2:2002)  
Equipment for continuous monitoring of radioactivity in gaseous effluents — Part 2: Specific requirements for radioactive aerosol monitors including transuranic aerosols (IEC 60761-2:2002)  
- zamijenjena s: HRN EN 60761-2:2010

HRN IEC 60761-5:2005 en  
Oprema za trajno praćenje radioaktivnosti u plinskim ispuštima — 5. dio: Posebni zahtjevi za sustave praćenja ispuštanja tricija (IEC 60761-5:2002)  
Equipment for continuous monitoring of radioactivity in gaseous effluents — Part 5: Specific requirements for tritium monitors (IEC 60761-5:2002)  
- zamijenjena s: HRN EN 60761-5:2010

### **HZN/TO E56, Pouzdanost**

HRN IEC 60300-3-11:2008 en  
Upravljanje pouzdanošću — Dio 3-11: Upute za primjenu — Održavanje vođeno pouzdanošću (IEC 60300-3-11:1999)  
Dependability management — Part 3-11: Application guide — Reliability centred maintenance (IEC 60300-3-11:1999)  
- zamijenjena s: HRN EN 60300-3-11:2010

### **HZN/TO E76, Sigurnost optičkoga zračenja i laserska oprema**

HRN IEC 62471:2008 en  
Fotobiološka sigurnost lampi i sustava s lampama (IEC 62471:2006)  
Photobiological safety of lamps and lamp systems (IEC 62471:2006)  
- zamijenjena s: HRN EN 62471:2010

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

HRN EN 958:2008 en  
Planinarska oprema — Ublaživači pada — Sigurnosni zahtjevi i metode ispitivanja (EN 958:2006)  
Mountaineering equipment — Energy absorbing systems for use in klettersteig (via ferrata) climbing — Safety requirements and test methods (EN 958:2006)  
- zamijenjena s: HRN EN 958:2010

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

HRN EN 13112:2008 en  
Tannery machines — Splitting and bandknife shearing machines — Safety requirements (EN 13112:2002)  
- zamijenjena s: HRN EN 13112:2010

HRN EN 13114:2008 en  
Tannery machines — Rotating process vessels — Safety requirements (EN 13114:2002)  
- zamijenjena s: HRN EN 13114:2010

HRN EN 13457:2008 en  
Footwear, leather and imitation leather goods manufacturing machines — Splitting, skiving, cutting, cementing and cement drying machines — Safety requirements (EN 13457:2004)  
- zamijenjena s: HRN EN 13457:2010

HRN EN ISO 14314:2008 en  
Reciprocal internal combustion engines — Recoil starting equipment — General safety requirements (ISO 14314:2004; EN ISO 14314:2004)  
- zamijenjena s: HRN EN ISO 14314:2010

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

HRN EN 500-1:2008 en  
Mobile road construction machinery — Safety — Part 1: Common requirements (EN 500-1:2006)  
- zamijenjena s: HRN EN 500-1:2010

HRN EN 809:2008 en  
Pumps and pump units for liquids — Common safety requirements (EN 809:1998+AC:2001+AC:2002)  
- zamijenjena s: HRN EN 809:2010

HRN EN 1012-1:2008 en  
Compressors and vacuum pumps — Safety requirements — Part 1: Compressors (EN 1012-1:1996)  
- zamijenjena s: HRN EN 1012-1:2010

HRN EN 1247:2008 en  
Foundry machinery — Safety requirements for ladles, pouring equipment, centrifugal casting machines, continuous and semi continuous casting machines (EN 1247:2004)  
- zamijenjena s: HRN EN 1247:2010

HRN EN 1822-1:2008 en  
High efficiency air filters (HEPA and ULPA) — Part 1: Classification, performance testing, marking (EN 1822-1:1998)  
- zamijenjena s: HRN EN 1822-1:2010

HRN EN 1822-2:2008 en  
High efficiency air filters (HEPA and ULPA) — Part 2: Aerosol production, measuring equipment, particle counting statistics (EN 1822-2:1998)  
- zamijenjena s: HRN EN 1822-2:2010

HRN EN 1822-3:2008 en  
High efficiency air filters (HEPA and ULPA) — Part 3: Testing flat sheet filter media (EN 1822-3:1998)  
- zamijenjena s: HRN EN 1822-3:2010

HRN EN 1822-4:2008 en  
High efficiency particulate air filters (HEPA and ULPA) — Part 4: Determining leakage of filter element (Scan method) (EN 1822-4:2000)  
- zamijenjena s: HRN EN 1822-4:2010

- HRN EN 1822-5:2008 en  
High efficiency particulate air filters (HEPA and ULPA)  
– Part 5: Determining the efficiency of filter element  
(EN 1822-5:2000)  
- zamijenjena s: HRN EN 1822-5:2010
- HRN EN 12001:2008 en  
Conveying, spraying and placing machines for  
concrete and mortar – Safety requirements  
(EN 12001:2003)  
- zamijenjena s: HRN EN 12001:2010
- HRN EN 13035-3:2008 en  
Machines and plants for the manufacture, treatment  
and processing of flat glass – Safety requirements –  
Part 3: Cutting machines (EN 13035-3:2003)  
- zamijenjena s: HRN EN 13035-3:2010
- HRN EN 13035-4:2008 en  
Machines and plants for the manufacture, treatment  
and processing of flat glass – Safety requirements –  
Part 4: Tilting tables (EN 13035-4:2003)  
- zamijenjena s: HRN EN 13035-4:2010
- HRN EN 13035-5:2008 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 13035-5:2006)  
- zamijenjena s: HRN EN 13035-5:2010
- HRN EN 13035-6:2008 en  
Machines and plants for the manufacture, treatment  
and processing of flat glass – Safety requirements –  
Part 6: Machines for break-out (EN 13035-6:2006)  
- zamijenjena s: HRN EN 13035-6:2010
- HRN EN 13035-7:2008 en  
Machines and plants for the manufacture, treatment  
and processing of flat glass – Safety requirements –  
Part 7: Cutting machines for laminated glass  
(EN 13035-7:2006)  
- zamijenjena s: HRN EN 13035-7:2010
- HRN EN 13035-9:2008 en  
Machines and plants for the manufacture, treatment  
and processing of flat glass – Safety requirements –  
Part 9: Washing installations (EN 13035-9:2006)  
- zamijenjena s: HRN EN 13035-9:2010
- HRN EN 13042-1:2008 en  
Machines and plants for the manufacture, treatment  
and processing of hollow glass – Safety requirements  
– Part 1: Gob feeder (EN 13042-1:2007)  
- zamijenjena s: HRN EN 13042-1:2010
- HRN EN 13309:2008 en  
Construction machinery – Electromagnetic  
compatibility of machines with internal electrical power  
supply (EN 13309:2000)  
- zamijenjena s: HRN EN 13309:2010
- HRN EN 23661:2008 en  
End-suction centrifugal pumps – Baseplate and  
installation dimensions (ISO 3661:1977;  
EN 23661:1993)  
- zamijenjena s: HRN EN ISO 3661:2010
- HZN/TU S1, Zdravlje, okoliš i medicinska oprema 1**
- HRN EN 455-2:2008 en  
Medical gloves for single use – Part 2: Requirements  
and testing for physical properties (including Technical  
Corrigendum 1:1996) (EN 455-2:2000)  
- zamijenjena s: HRN EN 455-2:2010
- HRN EN 1060-1:2008 en  
Non-invasive sphygmomanometers – Part 1: General  
requirements (EN 1060-1:1995+A1:2002)  
- zamijenjena s: HRN EN 1060-1:2010
- HRN EN 1060-2:2008 en  
Non-invasive sphygmomanometers – Part 2:  
Supplementary requirements for mechanical  
sphygmomanometers (EN 1060-2:1995+AC:2002)  
- zamijenjena s: HRN EN 1060-2:2010
- HRN EN 1060-3:2008 en  
Non-invasive sphygmomanometers – Part 3:  
Supplementary requirements for electromechanical  
blood pressure measuring systems  
(EN 1060-3:1997+A1:2005)  
- zamijenjena s: HRN EN 1060-3:2010
- HRN EN ISO 1135-4:2008 en  
Transfusion equipment for medical use – Part 4:  
Transfusion sets for single use (ISO 1135-4:2004;  
EN ISO 1135-4:2004)  
- zamijenjena s: HRN EN ISO 1135-4:2010
- HRN EN 1639:2004 en  
Stomatologija – Medicinske naprave za stomatologiju  
– Instrumenti (EN 1639:2004)  
Dentistry – Medical devices for dentistry – Instruments  
(EN 1639:2004)  
- zamijenjena s: HRN EN 1639:2010
- HRN EN 1640:2004 en  
Stomatologija – Medicinske naprave za stomatologiju  
– Oprema (EN 1640:2004)  
Dentistry – Medical devices for dentistry – Equipment  
(EN 1640:2004)  
- zamijenjena s: HRN EN 1640:2010
- HRN EN 1641:2004 en  
Stomatologija – Medicinske naprave za stomatologiju  
– Materijali (EN 1641:2004)  
Dentistry – Medical devices for dentistry – Materials  
(EN 1641:2004)  
- zamijenjena s: HRN EN 1641:2010
- HRN EN 1642:2008 en  
Dentistry – Medical devices for dentistry – Dental  
implants (EN 1642:2004)  
- zamijenjena s: HRN EN 1642:2010
- HRN EN ISO 1942-5:2008 en  
Dental vocabulary – Part 5: Terms associated with  
testing (ISO 1942-5:1989; EN ISO 1942-5:1994)  
- zamijenjena s: HRN EN ISO 1942:2010
- HRN EN ISO 8536-4:2008 en  
Infusion equipment for medical use – Part 4: Infusion  
sets for single use, gravity feed (ISO 8536-4:2007;  
EN ISO 8536-4:2007)  
- zamijenjena s: HRN EN ISO 8536-4:2010
- HRN EN ISO 9187-1:2008 en  
Injection equipment for medical use – Part 1:  
Ampoules for injectables (ISO 9187-1:2006;  
EN ISO 9187-1:2008)  
- zamijenjena s: HRN EN ISO 9187-1:2010
- HRN EN ISO 9187-2:2008 en  
Injection equipment for medical use – Part 2: One-  
point-cut (OPC) ampoules (ISO 9187-2:1993;  
EN ISO 9187-2:1999+AC:1999)  
- zamijenjena s: HRN EN ISO 9187-2:2010
- HRN EN 13795-1:2008 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 13795-1:2002)  
- zamijenjena s: HRN EN 13795-1:2010
- HRN EN 13795-2:2008 en  
Surgical drapes, gowns and clean air suits, used  
as medical devices for patients, clinical staff and  
equipment – Part 2: Test methods  
(EN 13795-2:2004)  
- zamijenjena s: HRN EN 13795-2:2010
- HRN EN 13795-3:2008 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 13795-3:2006)  
- zamijenjena s: HRN EN 13795-3:2010



- HRN EN ISO 14602:2008 en  
Non-active surgical implants — Implants for Osteosynthesis — Particular requirements (ISO 14602:1998; EN ISO 14602:1998)  
- zamijenjena s: HRN EN ISO 14602:2010
- HRN EN 21942-1:2008 en  
Dental vocabulary — Part 1: General and clinical terms (ISO 1942-1:1989; EN 21942-1:1991)  
- zamijenjena s: HRN EN ISO 1942:2010
- HRN EN 21942-2:2008 en  
Dental vocabulary — Part 2: Dental materials (ISO 1942-2:1989; EN 21942-2:1992)  
- zamijenjena s: HRN EN ISO 1942:2010
- HRN EN 21942-3:2008 en  
Dental vocabulary — Part 3: Dental instruments (ISO 1942-3:1989; EN 21942-3:1993)  
- zamijenjena s: HRN EN ISO 1942:2010
- HRN EN 21942-4:2008 en  
Dental vocabulary — Part 4: Dental equipment (ISO 1942-4:1989; EN 21942-4:1993)  
- zamijenjena s: HRN EN ISO 1942:2010

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

- HRN EN 415-1:2008 en  
Packaging machines safety — Part 1: Terminology and classification of packaging machines and associated equipment (EN 415-1:2000)  
- zamijenjena s: HRN EN 415-1:2010
- HRN EN 415-3:2008 en  
Safety of packaging machines — Part 3: Form, fill and seal machines (EN 415-3:1999)  
- zamijenjena s: HRN EN 415-3:2010
- HRN EN 415-5:2008 en  
Safety of packaging machines — Part 5: Wrapping machines (EN 415-5:2006)  
- zamijenjena s: HRN EN 415-5:2010
- HRN EN 415-6:2008 en  
Safety of packaging machines — Part 6: Pallet wrapping machines (EN 415-6:2006)  
- zamijenjena s: HRN EN 415-6:2010
- HRN EN 1459:2008 en  
Safety of industrial trucks — Self-propelled variable reach trucks (EN 1459:1998+A1:2006+AC:2006)  
- zamijenjena s: HRN EN 1459:2010
- HRN EN 1755:2003 en  
Sigurnost industrijskih vozila — Rad u potencijalno eksplozivnoj atmosferi — Uporaba u zapaljivom plinu, pari i prašini (EN 1755:2000)  
Safety of industrial trucks — Operation in potentially explosive atmospheres — Use in flammable gas, vapour, mist and dust (EN 1755:2000)  
- zamijenjena s: HRN EN 1755:2010
- HRN EN 1915-1:2008 en  
Aircraft ground support equipment — General requirements — Part 1: Basic safety requirements (EN 1915-1:2001)  
- zamijenjena s: HRN EN 1915-1:2010
- HRN EN 1915-2:2008 en  
Aircraft ground support equipment — General requirements — Part 2: Stability and strength requirements, calculations and test methods (EN 1915-2:2001)  
- zamijenjena s: HRN EN 1915-2:2010
- HRN EN 1915-3:2008 en  
Aircraft ground support equipment — General requirements — Part 3: Vibration measurement methods and reduction (EN 1915-3:2004)  
- zamijenjena s: HRN EN 1915-3:2010

- HRN EN 1915-4:2008 en  
Aircraft ground support equipment — General requirements — Part 4: Noise measurement methods and reduction (EN 1915-4:2004)  
- zamijenjena s: HRN EN 1915-4:2010
- HRN EN 12312-1:2008 en  
Aircraft ground support equipment — Specific requirements — Part 1: Passenger stairs (EN 12312-1:2001)  
- zamijenjena s: HRN EN 12312-1:2010
- HRN EN 12312-2:2008 en  
Aircraft ground support equipment — Specific requirements — Part 2: Catering vehicles (EN 12312-2:2002)  
- zamijenjena s: HRN EN 12312-2:2010
- HRN EN 12312-3:2008 en  
Aircraft ground support equipment — Specific requirements — Part 3: Conveyor belt vehicles (EN 12312-3:2003)  
- zamijenjena s: HRN EN 12312-3:2010
- HRN EN 12312-4:2008 en  
Aircraft ground support equipment — Specific requirements — Part 4: Passenger boarding bridges (EN 12312-4:2003)  
- zamijenjena s: HRN EN 12312-4:2010
- HRN EN 12312-5:2008 en  
Aircraft ground support equipment — Specific requirements — Part 5: Aircraft fuelling equipment (EN 12312-5:2005)  
- zamijenjena s: HRN EN 12312-5:2010
- HRN EN 12312-6:2008 en  
Aircraft ground support equipment — Specific requirements — Part 6: Deicers and deicing/antiicing equipment (EN 12312-6:2004)  
- zamijenjena s: HRN EN 12312-6:2010
- HRN EN 12312-7:2008 en  
Aircraft ground support equipment — Specific requirements — Part 7: Air-craft movement equipment (EN 12312-7:2005)  
- zamijenjena s: HRN EN 12312-7:2010
- HRN EN 12312-8:2008 en  
Aircraft ground support equipment — Specific requirements — Part 8: Maintenance stairs and platforms (EN 12312-8:2005)  
- zamijenjena s: HRN EN 12312-8:2010
- HRN EN 12312-9:2008 en  
Aircraft ground support equipment — Specific requirements — Part 9: Container/Pallet loaders (EN 12312-9:2005)  
- zamijenjena s: HRN EN 12312-9:2010
- HRN EN 12312-10:2008 en  
Aircraft ground support equipment — Specific requirements — Part 10: Container/Pallet transfer transporters (EN 12312-10:2005)  
- zamijenjena s: HRN EN 12312-10:2010
- HRN EN 12312-12:2008 en  
Aircraft ground support equipment — Specific requirements — Part 12: Potable water service equipment (EN 12312-12:2002)  
- zamijenjena s: HRN EN 12312-12:2010
- HRN EN 12312-13:2008 en  
Aircraft ground support equipment — Specific requirements — Part 13: Lavatory service equipment (EN 12312-13:2002)  
- zamijenjena s: HRN EN 12312-13:2010
- HRN EN 12312-14:2008 en  
Aircraft ground support equipment — Specific requirements — Part 14: Disabled/incapacitated passenger boarding vehicles (EN 12312-14:2006)  
- zamijenjena s: HRN EN 12312-14:2010

- HRN EN 12312-15:2008 en  
Aircraft ground support equipment – Specific requirements – Part 15: Baggage and equipment tractors (EN 12312-15:2006)  
- zamijenjena s: HRN EN 12312-15:2010
- HRN EN 12312-16:2008 en  
Aircraft ground support equipment – Specific requirements – Part 16: Air start equipment (EN 12312-16:2005)  
- zamijenjena s: HRN EN 12312-16:2010
- HRN EN 12312-17:2008 en  
Aircraft ground support equipment – Specific requirements – Part 17: Air conditioning equipment (EN 12312-17:2004)  
- zamijenjena s: HRN EN 12312-17:2010
- HRN EN 12312-18:2008 en  
Aircraft ground support equipment – Specific requirements – Part 18: Nitrogen or Oxygen units (EN 12312-18:2005)  
- zamijenjena s: HRN EN 12312-18:2010
- HRN EN 12312-19:2008 en  
Aircraft ground support equipment – Specific requirements – Part 19: Aircraft jacks, axle jacks and hydraulic tail stanchions (EN 12312-19:2005)  
- zamijenjena s: HRN EN 12312-19:2010
- HRN EN 12312-20:2008 en  
Aircraft ground support equipment – Specific requirements – Part 20: Electrical ground power units (EN 12312-20:2005)  
- zamijenjena s: HRN EN 12312-20:2010

## 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 190, *Kakvoća tla*

- **umjesto**
- HRN ISO 11263:2004  
Kakvoća tla – Određivanje fosfora – Spektrometrijsko određivanje fosfora topljivog u otopini kalijeva hidrogenkarbonata (ISO 11263:1994)  
Soil quality – Determination of phosphorus – Spectrometric determination of phosphorus soluble in sodium hydrogen carbonate solution (ISO 11263:1994)
- **treba biti**
- HRN ISO 11263:2004  
Kvaliteta tla – Određivanje fosfora – Spektrometrijsko određivanje fosfora topljivog u otopini natrij hidrogenkarbonata (ISO 11263:1994)  
Soil quality – Determination of phosphorus – Spectrometric determination of phosphorus soluble in sodium hydrogen carbonate solution (ISO 11263:1994)
- **umjesto**
- HRN ISO 11275:2009  
Kakvoća tla – Određivanje hidraulične vodljivosti nesaturiranog tla i retencije vode – Windova metoda isparavanja (ISO 11275:2004)  
Soil quality – Determination of unsaturated hydraulic conductivity and water-retention characteristic – Wind's evaporation method (ISO 11275:2004)
- **treba biti**
- HRN ISO 11275:2009  
Kvaliteta tla – Određivanje hidraulične vodljivosti nesaturiranog tla i retencije vode – Windova metoda evaporacije (ISO 11275:2004)  
Soil quality – Determination of unsaturated hydraulic conductivity and water-retention characteristic – Wind's evaporation method (ISO 11275:2004)

- **umjesto**
- HRN ISO 16772:2009  
Kakvoća tla – Određivanje žive iz vodenog ekstrakta tla atomskom apsorpcijskom tehnikom hladne pare ili atomskom fluorescencijskom tehnikom hladne pare (ISO 16772:2004)  
Soil quality – Determination of mercury in aqua regia soil extracts with cold-vapour atomic spectrometry or cold-vapour atomic fluorescence spectrometry (ISO 16772:2004)
- **treba biti**
- HRN ISO 16772:2009  
Kvaliteta tla – Određivanje žive iz filtrata dobivenog ekstrakcijom zlatotopkom tla atomskom apsorpcijskom tehnikom hladne pare ili atomskom fluorescencijskom tehnikom hladne pare (ISO 16772:2004)  
Soil quality – Determination of mercury in aqua regia soil extracts with cold-vapour atomic spectrometry or cold-vapour atomic fluorescence spectrometry (ISO 16772:2004)

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

- **umjesto**
- HRN EN 10305-1:2010  
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)
- **treba biti**
- HRN EN 10305-1:2010  
Precizne čelične cijevi – Tehnički uvjeti isporuke – 1. dio: Bešavne, hladno vučene cijevi (EN 10305-1:2010)  
Steel tubes for precision applications – Technical delivery conditions – Part 1: Seamless cold drawn tubes (EN 10305-1:2010)
- **umjesto**
- HRN EN 10305-2:2010  
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)
- **treba biti**
- HRN EN 10305-2:2010  
Precizne čelične cijevi – Tehnički uvjeti isporuke – 2. dio: Zavarene, hladno vučene cijevi (EN 10305-2:2010)  
Steel tubes for precision applications – Technical delivery conditions – Part 2: Welded cold drawn tubes (EN 10305-2:2010)

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

- **umjesto**
- HRN EN ISO 22870:2008  
Točka-od-ispitivanja skrbi (POCT) – Zahtjevi za kvalitetu i nadležnost (ISO 22870:2006; EN ISO 22870:2006)  
Point-of-care testing (POCT) – Requirements for quality and competence (ISO 22870:2006; EN ISO 22870:2006)
- **treba biti**
- HRN EN ISO 22870:2008  
Pretrage uz bolesnika (POCT) – Zahtjevi za kvalitetu i osposobljenost (ISO 22870:2006; EN ISO 22870:2006)  
Point-of-care testing (POCT) – Requirements for quality and competence (ISO 22870:2006; EN ISO 22870:2006)

## 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 43, Akustika

- HRN EN ISO 10140-1:2010  
Akustika – Laboratorijska mjerenja zvučne izolacije građevnih dijelova zgrade – 1. dio: Pravila primjene za određene proizvode (ISO 10140-1:2010; EN ISO 10140-1:2010)  
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  
Akustika – Laboratorijska mjerenja zvučne izolacije građevnih dijelova zgrade – 2. dio: Mjerenje zračne zvučne izolacije (ISO 10140-2:2010; EN ISO 10140-2:2010)  
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  
Akustika – Laboratorijska mjerenja zvučne izolacije građevnih dijelova zgrade – 3. dio: Mjerenje udarne zvučne izolacije (ISO 10140-3:2010; EN ISO 10140-3:2010)  
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  
Akustika – Laboratorijska mjerenja zvučne izolacije građevnih dijelova zgrade – 4. dio: Mjerni postupci i zahtjevi (ISO 10140-4:2010; EN ISO 10140-4:2010)  
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  
Akustika – Laboratorijska mjerenja zvučne izolacije građevnih dijelova zgrade – 5. dio: Zahtjevi za ispitne objekte i opremu (ISO 10140-5:2010; EN ISO 10140-5:2010)  
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  
Akustika – Laboratorijsko mjerenje bočnog prijenosa zračnog i udarnog zvuka između susjednih prostorija – 4. dio: Primjena na spojeve s najmanje jednim teškim elementom (ISO 10848-4:2010; EN ISO 10848-4:2010)  
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  
Akustika – Buka koju emitiraju strojevi i oprema – Određivanje razina zvučnoga tlaka emisije na radnome mjestu i drugim specificiranim mjestima u pretežno slobodnom zvučnom polju iznad reflektirajuće ravnine s neznatnim korekcijama utjecaja okoliša (ISO 11201:2010; 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 11201:2010)

HRN EN ISO 11202:2010

Akustika – Buka koju emitiraju strojevi i oprema – Određivanje razina zvučnoga tlaka emisije na radnome mjestu i drugim specificiranim mjestima primjenom približnih korekcija utjecaja okoliša (ISO 11202:2010; 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 11202:2010)

HRN EN ISO 11204:2010

Akustika – Buka koju emitiraju strojevi i oprema – Određivanje razina zvučnoga tlaka emisije na radnome mjestu i drugim specificiranim mjestima primjenom točnih korekcija utjecaja okoliša (ISO 11204:2010; 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; EN ISO 11204:2010)

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

HRN EN 1865-1:2010

Oprema za postupanje s bolesnikom koja se upotrebljava u cestovnim ambulatnim vozilima – 1. dio: Općeniti sustav ležaja i opreme za postupanje s bolesnikom (EN 1865-1:2010)  
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

Oprema za postupanje s bolesnikom koja se upotrebljava u cestovnim ambulatnim vozilima – 2. dio: Ležaj s pogonom (EN 1865-2:2010)  
Patient handling equipment used in road ambulances – Part 2: Power assisted stretcher (EN 1865-2:2010)

### HZN/TO 159, Ergonomija

HRN EN 894-4:2010

Sigurnost strojeva – Ergonomski zahtjevi za dizajniranje zaslona i upravljačkih sklopova – 4. dio: Smještaj i uređenje zaslona i upravljačkih sklopova (EN 894-4:2010)  
Safety of machinery – Ergonomics requirements for the design of displays and control actuators – Part 4: Location and arrangement of displays and control actuators (EN 894-4:2010)

### HZN/TO 539, Kemijski dezinficijens i antiseptici

HRN EN 13623:2010

Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za vrednovanje baktericidne djelotvornosti kemijskih dezinficijensa za obradu vode u vodenim sustavima protiv Legionella pneumophila – Metoda ispitivanja i zahtjevi (faza 2, korak 1) (EN 13623:2010)  
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)

## **HZNTO 555, *Medicinski proizvodi***

HRN EN ISO 15225:2010

Medicinska sredstva – Upravljanje kvalitetom –  
Nomenklatura strukture podataka medicinskih  
sredstava (ISO 15225:2010; EN ISO 15225:2010)

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



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

### **01.040.03 Sociologija. Usluge. Ustrojstvo poduzeća i upravljanje poduzećem. Uprava. Prijevoz (Rječnici)**

#### **Europska normizacija**

EN 13306:2010  
Maintenance – Maintenance terminology

### **01.040.23 Fluidički sustavi i sastavnice za opću uporabu (Rječnici)**

#### **Europska normizacija**

EN 1555-1:2010  
Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 1: General

### **01.040.27 Prijenos energije i topline (Rječnici)**

#### **Međunarodna normizacija (ISO)**

ISO 7967-3:2010  
Reciprocating internal combustion engines – Vocabulary of components and systems – Part 3: Valves, camshaft drives and actuating mechanisms

### **01.040.43 Cestovna vozila (Rječnici)**

#### **Međunarodna normizacija (ISO)**

ISO 15031-2:2010  
Road vehicles – Communication between vehicle and external equipment for emissions-related diagnostics – Part 2: Guidance on terms, definitions, abbreviations and acronyms

### **01.040.83 Industrija gume i plastike (Rječnici)**

#### **Međunarodna normizacija (ISO)**

ISO 6472:2010  
Rubber compounding ingredients – Symbols and abbreviated terms

### **01.040.91 Građevna gradiva i gradnja (Rječnici)**

#### **Europska normizacija**

EN 1555-1:2010  
Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 1: General

### **01.075 Slovo-brojčani znakovi**

#### **Europska normizacija**

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

### **01.080.01 Grafički znakovi općenito**

#### **Međunarodna normizacija (IEC)**

IEC 60445:2010  
Basic and safety principles for man-machine interface, marking and identification – Identification of equipment terminals, conductor terminations and conductors

### **01.080.10 Znakovi za javne obavijesti**

#### **Međunarodna normizacija (ISO)**

ISO 7010:2003/Amd 6:2010  
Graphical symbols – Safety colours and safety signs – Safety signs used in workplaces and public areas

### **01.080.20 Grafički znakovi za uporabu na posebnoj opremi**

#### **Međunarodna normizacija (ISO)**

ISO 7010:2003/Amd 6:2010  
Graphical symbols – Safety colours and safety signs – Safety signs used in workplaces and public areas

### **01.080.30 Grafički znakovi za uporabu u strojarskim i građevnim crtežima, shemama, planovima, zemljovidima i u odgovarajućoj tehničkoj dokumentaciji o proizvodima**

#### **Međunarodna normizacija (IEC)**

IEC 61666:2010  
Industrial systems, installations and equipment and industrial products – Identification of terminals within a system

#### **Europska normizacija**

EN 61666:2010  
Industrial systems, installations and equipment and industrial products – Identification of terminals within a system (IEC 61666:2010)

### **01.100.20 Građevni crteži**

#### **Međunarodna normizacija (ISO)**

ISO 10110-8:2010  
Optics and photonics – Preparation of drawings for optical elements and systems – Part 8: Surface texture; roughness and waviness

### **01.100.25 Crteži u elektrotehnici i elektronicima**

#### **Međunarodna normizacija (IEC)**

IEC 60191-6-20:2010  
Mechanical standardization of semiconductor devices – Part 6-20: General rules for the preparation of outline drawings of surface mounted semiconductor device packages – Measuring methods for package dimensions of small outline J-lead packages (SOJ)

IEC 60191-6-21:2010

Mechanical standardization of semiconductor devices – Part 6-21: General rules for the preparation of outline drawings of surface mounted semiconductor device packages – Measuring methods for package dimensions of small outline packages (SOP)

### 01.110 Tehnička dokumentacija o proizvodu

#### Međunarodna normizacija (ISO)

ISO 11005:2010

Technical product documentation – Use of main documents

### 01.120 Normizacija. Opća pravila

#### Međunarodna normizacija (IEC)

IEC Guide 104:2010

The preparation of safety publications and the use of basic safety publications and group safety publications

IEC Guide 116:2010

Guidelines for safety related risk assessment and risk reduction for low voltage equipment

### 03.080.10 Industrijske usluge

#### Europska normizacija

EN 13306:2010

Maintenance – Maintenance terminology

### 03.100.10 Nabava. Opskrba. Upravljanje zalihamama

#### Međunarodna normizacija (ISO)

ISO/PAS 28002:2010

Security management systems for the supply chain – Development of resilience in the supply chain – Requirements with guidance for use

### 03.100.99 Druge norme koje se odnose na ustrojstvo poduzeća i upravljanje poduzećem

#### Europska normizacija

CWA 16180-1:2010

The CEN ORCHID Roadmap Standardising Information Across the Plant Engineering Supply Chain – Part 1: Direction and Framework

CWA 16180-2:2010

The CEN ORCHID Roadmap Standardising Information Across the Plant Engineering Supply Chain – Part 2: Implementation Guide

CWA 16180-3:2010

The CEN ORCHID Roadmap Standardising Information Across the Plant Engineering Supply Chain – Part 3: Standards Landscape

### 03.120.30 Primjena statističkih metoda

#### Međunarodna normizacija (ISO)

ISO/TR 12845:2010

Selected illustrations of fractional factorial screening experiments

ISO 11462-2:2010

Guidelines for implementation of statistical process control (SPC) – Part 2: Catalogue of tools and techniques

### 03.140 Patenti. Intelektualno vlasništvo

#### Međunarodna normizacija (ISO)

ISO 10668:2010

Brand valuation – Requirements for monetary brand valuation

### 03.180 Izobrazba

#### Međunarodna normizacija (ISO)

ISO 29990:2010

Learning services for non-formal education and training – Basic requirements for service providers

### 03.220.01 Prijevoz općenito

#### Međunarodna normizacija (ISO)

ISO 24101-2:2010

Intelligent transport systems – Communications access for land mobiles (CALM) – Application management – Part 2: Conformance test

### 07.030 Fizika. Kemija

#### Međunarodna normizacija (ISO)

ISO 29701:2010

Nanotechnologies – Endotoxin test on nanomaterial samples for in vitro systems – Limulus amoebocyte lysate (LAL) test

#### Europska normizacija

EN ISO 29701:2010

Nanotechnologies – Endotoxin test on nanomaterial samples for in vitro systems – Limulus amoebocyte lysate (LAL) test (ISO 29701:2010)

### 07.100.30 Mikrobiologija hrane

#### Međunarodna normizacija (ISO)

ISO 6887-5:2010

Microbiology of food and animal feeding stuffs – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 5: Specific rules for the preparation of milk and milk products

ISO 13720:2010

Meat and meat products – Enumeration of presumptive *Pseudomonas* spp.

#### Europska normizacija

EN ISO 6887-5:2010

Microbiology of food and animal feeding stuffs – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 5: Specific rules for the preparation of milk and milk products (ISO 6887-5:2010)

EN ISO 13720:2010

Meat and meat products – Enumeration of presumptive *Pseudomonas* spp. (ISO 13720:2010)

## 11.040.20 Transfuzijska, infuzijska i injekcijska oprema

### Međunarodna normizacija (ISO)

ISO 8536-4:2010  
Infusion equipment for medical use — Part 4: Infusion sets for single use, gravity feed

### Europska normizacija

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

## 11.040.55 Dijagnostička oprema

### Europska normizacija

EN 80601-2-30:2010  
Medical electrical equipment — Part 2-30: Particular requirements for the basic safety and essential performance of automated non-invasive sphygmomanometers (IEC 80601-2-30:2009 + corrigendum Jan. 2010)

## 11.040.99 Druga medicinska oprema

### Međunarodna normizacija (IEC)

IEC 60601-2-50:2009/Corr.1:2010  
Corrigendum 1 — Medical electrical equipment — Part 2-50: Particular requirements for the basic safety and essential performance of infant phototherapy equipment

## 11.060.25 Zubarski instrumenti

### Međunarodna normizacija (ISO)

ISO 21533:2003/Cor 1:2009  
Dentistry — Reusable cartridge syringes intended for intraligamentary injections

## 11.080.01 Sterilizacija i dezinfekcija općenito

### Međunarodna normizacija (ISO)

ISO 20857:2010  
Sterilization of health care products — Dry heat — Requirements for the development, validation and routine control of a sterilization process for medical devices

## 11.100.10 Ispitni sustavi za “in vitro” dijagnostiku

### Međunarodna normizacija (ISO)

ISO 29701:2010  
Nanotechnologies — Endotoxin test on nanomaterial samples for in vitro systems — Limulus amoebocyte lysate (LAL) test

### Europska normizacija

EN ISO 29701:2010  
Nanotechnologies — Endotoxin test on nanomaterial samples for in vitro systems — Limulus amoebocyte lysate (LAL) test (ISO 29701:2010)

## 11.100.20 Biološka ocjena medicinskih uređaja

### Međunarodna normizacija (ISO)

ISO 10993-10:2010  
Biological evaluation of medical devices — Part 10: Tests for irritation and skin sensitization

### Europska normizacija

EN ISO 10993-10:2010  
Biological evaluation of medical devices — Part 10: Tests for irritation and skin sensitization (ISO 10993-10:2010)

## 11.140 Bolnička oprema

### Međunarodna normizacija (IEC)

IEC 60601-2-52 Corr.1:2010  
Medical electrical equipment — Part 2-52: Particular requirements for the basic safety and essential performance of medical beds

## 11.160 Prva pomoć

### Europska normizacija

EN 1865-1:2010  
Patient handling equipment used in road ambulances — Part 1: General stretcher systems and patient handling equipment  
EN 1865-2:2010  
Patient handling equipment used in road ambulances — Part 2: Power assisted stretcher

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

### Europska normizacija

EN 15927:2010  
Services offered by hearing aid professionals

## 13.020.60 Životni ciklusi proizvoda

### Europska normizacija

CEN/TR 13910:2010  
Packaging — Report on criteria and methodologies for life cycle analysis of packaging

## 13.040.30 Kakvoća zraka na radnome mjestu

### Međunarodna normizacija (ISO)

ISO 21438-3:2010  
Workplace atmospheres — Determination of inorganic acids by ion chromatography — Part 3: Hydrofluoric acid and particulate fluorides

## 13.040.40 Ispuštanja iz nepomičnih izvora

### Međunarodna normizacija (ISO)

ISO 25140:2010  
Stationary source emissions — Automatic method for the determination of the methane concentration using flame ionisation detection (FID)

## Europska normizacija

EN 1911:2010

Stationary source emissions — Determination of mass concentration of gaseous chlorides expressed as HCl — Standard reference method

EN ISO 25140:2010

Stationary source emissions — Automatic method for the determination of the methane concentration using flame ionisation detection (FID) (ISO 25140:2010)

## 13.040.50 Ispuštanja plinova iz prijevoznih sredstava

### Međunarodna normizacija (ISO)

ISO 15031-2:2010

Road vehicles — Communication between vehicle and external equipment for emissions-related diagnostics — Part 2: Guidance on terms, definitions, abbreviations and acronyms

ISO 15031-6:2010

Road vehicles — Communication between vehicle and external equipment for emissions-related diagnostics — Part 6: Diagnostic trouble code definitions

## 13.060.45 Ispitivanje vode općenito, uključujući uzorkovanje

### Međunarodna normizacija (ISO)

ISO 5667-22:2010

Water quality — Sampling — Part 22: Guidance on the design and installation of groundwater monitoring points

## 13.060.50 Ispitivanje voda na kemijske tvari

### Međunarodna normizacija (ISO)

ISO 11349:2010

Water quality — Determination of low-volatility lipophilic substances — Gravimetric method

## 13.110 Sigurnost strojeva

### Europska normizacija

CLC/TR 62061-1:2010

Guidance on the application of ISO 13849-1 and IEC 62061 in the design of safety-related control systems for machinery (IEC/TR 62061-1:2010)

## 13.180 Ergonomija

### Međunarodna normizacija (ISO)

ISO 26022:2010

Road vehicles — Ergonomic aspects of transport information and control systems — Simulated lane change test to assess in-vehicle secondary task demand

## 13.220.10 Vatrogastvo

### Europska normizacija

EN 15767-3:2010

Portable equipment for projecting extinguishing agents supplied by fire fighting pumps — Portable monitors — Part 3: Foam devices

## 13.220.20 Oprema za zaštitu od požara

### Europska normizacija

EN 54-25:2008/AC:2010

Fire detection and fire alarm systems — Part 25: Components using radio links

EN 13565-2:2009/AC:2010

Fixed firefighting systems — Foam systems — Part 2: Design, construction and maintenance

## 13.220.40 Zapaljivost i ponašanje pri izgaranju gradiva i proizvoda

### Međunarodna normizacija (ISO)

ISO 12863:2010

Standard test method for assessing the ignition propensity of cigarettes

### Međunarodna normizacija (IEC)

IEC 60695-6-1:2005+A1:2010

Fire hazard testing — Part 6-1: Smoke obscuration — General guidance

### Europska normizacija

EN 60695-6-1:2005/A1:2010

Fire hazard testing — Part 6-1: Smoke obscuration — General guidance (IEC 60695-6-1:2005/A1:2010)

EN ISO 12863:2010

Standard test method for assessing the ignition propensity of cigarettes (ISO 12863:2010)

## 13.220.50 Vatrootpornost građevnih gradiva i elemenata

### Europska normizacija

EN 13823:2010

Reaction to fire tests for building products — Building products excluding floorings exposed to the thermal attack by a single burning item

## 13.320 Alarmni sustavi i sustavi uzbunjivanja

### Međunarodna normizacija (IEC)

IEC 60079-29-4:2009/Corr.1:2010

Corrigendum 1 — Explosive atmospheres — Part 29-4: Gas detectors — Performance requirements of open path detectors for flammable gases

### Europska normizacija

EN 50131-1:2006/IS2:2010

Alarm systems — Intrusion and hold-up systems — Part 1: System requirements

EN 50131-5-3:2005/IS1:2010

Alarm systems — Intrusion systems — Part 5-3: Requirements for interconnections equipment using radio frequency techniques — Interpretation of Subclause 5.1.6

CLC/TR 50436-3:2010

Alcohol interlocks — Test methods and performance requirements — Part 3: Guidance for decision makers, purchasers and users



## 13.340.10 Zaštitna odjeća

### Europska normizacija

EN 530:2010

Abrasion resistance of protective clothing material  
– Test methods

## 17.040.30 Mjerila

### Međunarodna normizacija (ISO)

ISO 10360-5:2010

Geometrical product specifications (GPS) – Acceptance and reverification tests for coordinate measuring machines (CMM) – Part 5: CMMs using single and multiple stylus contacting probing systems

### Europska normizacija

EN ISO 10360-5:2010

Geometrical product specifications (GPS) – Acceptance and reverification tests for coordinate measuring machines (CMM) – Part 5: CMMs using single and multiple stylus contacting probing systems (ISO 10360-5:2010)

## 17.140.20 Buka koju proizvode strojevi i oprema

### Međunarodna normizacija (ISO)

ISO 7779:2010

Acoustics – Measurement of airborne noise emitted by information technology and telecommunications equipment

### Europska normizacija

EN ISO 7779:2010

Acoustics – Measurement of airborne noise emitted by information technology and telecommunications equipment (ISO 7779:2010)

## 17.160 Vibracije, udari i mjerenja vibracija

### Međunarodna normizacija (ISO)

ISO 18437-2:2005/Amd 1:2010

Mechanical vibration and shock – Characterization of the dynamic mechanical properties of visco-elastic materials – Part 2: Resonance method; Amendment 1

ISO 18437-3:2005/Amd 1:2010

Mechanical vibration and shock – Characterization of the dynamic mechanical properties of visco-elastic materials – Part 3: Cantilever shear beam method; Amendment 1

### Europska normizacija

EN 61373:2010

Railway applications – Rolling stock equipment – Shock and vibration tests (IEC 61373:2010)

## 17.180.01 Optika i optička mjerenja općenito

### Međunarodna normizacija (ISO)

ISO 15529:2010

Optics and photonics – Optical transfer function – Principles of measurement of modulation transfer function (MTF) of sampled imaging systems

## 17.200.10 Toplina. Kalorimetrija

### Europska normizacija

CEN/TR 15760:2010

Heat meters – Checklist documenting the relationship between the Directive 2004/22/EC (MID) and EN 1434:2007

## 17.220.20 Mjerenje električnih i magnetskih veličina

### Međunarodna normizacija (IEC)

IEC 62475:2010

High-current test techniques – Definitions and requirements for test currents and measuring systems

## 17.240 Mjerenje zračenja

### Međunarodna normizacija (ISO)

ISO 8769:2010

Reference sources – Calibration of surface contamination monitors – Alpha-, beta- and photon emitters

### Međunarodna normizacija (IEC)

IEC 60532:2010

Radiation protection instrumentation – Installed dose rate meters, warning assemblies and monitors – X and gamma radiation of energy between 50 keV and 7 MeV

### Europska normizacija

EN 62479:2010

Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz) (IEC 62479:2010 (Modified))

## 19.080 Električna i elektronička ispitivanja

### Međunarodna normizacija (IEC)

IEC 60060-1:2010

High-voltage test techniques – Part 1: General definitions and test requirements

## 19.100 Nerazorna ispitivanja

### Europska normizacija

EN 13477-2:2010

Non-destructive testing – Acoustic emission – Equipment characterisation – Part 2: Verification of operating characteristic

## 19.120 Analiza veličine čestica. Prosijavanje

### Međunarodna normizacija (ISO)

ISO 9277:2010

Determination of the specific surface area of solids by gas adsorption – BET method

## 23.020.30 Tlačne posude, cilindrični plinski spremnici

### Međunarodna normizacija (ISO)

- ISO 10156:2010/Cor 1:2010  
Gases and gas mixtures — Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets

### Europska normizacija

- 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 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

## 23.040.01 Cjevovodne sastavnice i cjevovodi općenito

### Europska normizacija

- EN 1555-1:2010  
Plastics piping systems for the supply of gaseous fuels — Polyethylene (PE) — Part 1: General
- EN 1555-5:2010  
Plastics piping systems for the supply of gaseous fuels — Polyethylene (PE) — Part 5: Fitness for purpose of the system

## 23.040.10 Cijevi od lijevanog željeza i čelika

### Međunarodna normizacija (ISO)

- ISO 13680:2010  
Petroleum and natural gas industries — Corrosion-resistant alloy seamless tubes for use as casing, tubing and coupling stock — Technical delivery conditions

### Europska normizacija

- CEN/TR 16017:2010  
Guide to the use of EN 598
- EN ISO 13680:2010  
Petroleum and natural gas industries — Corrosion-resistant alloy seamless tubes for use as casing, tubing and coupling stock — Technical delivery conditions (ISO 13680:2010)

## 23.040.20 Plastične cijevi

### Međunarodna normizacija (ISO)

- ISO 10468:2003/Amd 1:2010  
Glass-reinforced thermosetting plastics (GRP) pipes — Determination of the long-term specific ring creep stiffness under wet conditions and calculation of the wet creep factor
- ISO 10471:2003/Amd 1:2010  
Glass-reinforced thermosetting plastics (GRP) pipes — Determination of the long-term ultimate bending strain and the long-term ultimate relative ring deflection under wet conditions

- ISO 14828:2003/Amd 1:2010  
Glass-reinforced thermosetting plastics (GRP) pipes — Determination of the long-term specific ring relaxation stiffness under wet conditions and calculation of the wet relaxation factor

- ISO 19899:2010  
Plastics piping systems — Polyolefin pipes and mechanical fitting assemblies — Test method for the resistance to end load (AREL test)

### Europska normizacija

- CEN/TR 15729:2010  
Plastics piping systems — Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) — Report on the determination of mean abrasion after a defined number of test cycles
- EN 1555-2:2010  
Plastics piping systems for the supply of gaseous fuels — Polyethylene (PE) — Part 2: Pipes

## 23.040.40 Kovinski fitinzi

### Europska normizacija

- CEN/TR 16017:2010  
Guide to the use of EN 598

## 23.040.45 Plastični fitinzi

### Europska normizacija

- EN 1555-3:2010  
Plastics piping systems for the supply of gaseous fuels — Polyethylene (PE) — Part 3: Fittings

## 23.040.70 Spojevi sipkih cijevi

### Međunarodna normizacija (ISO)

- ISO 4641:2010  
Rubber hoses and hose assemblies for water suction and discharge — Specification

### Europska normizacija

- EN ISO 8029:2010  
Plastics hose — General-purpose collapsible water hose, textile-reinforced — Specification (ISO 8029:2007)

## 23.060.10 Ventili sa zaobljenim zatvaračem

### Europska normizacija

- EN 558:2008/AC:2010  
Industrial valves — Face-to-face and centre-to-face dimensions of metal valves for use in flanged pipe systems — PN and Class designated valves

## 23.100.40 Cijevi i spojke

### Međunarodna normizacija (ISO)

- ISO 19879:2010  
Metallic tube connections for fluid power and general use — Test methods for hydraulic fluid power connections

## Europska normizacija

EN ISO 19879:2010

Metallic tube connections for fluid power and general use — Test methods for hydraulic fluid power connections (ISO 19879:2010)

## 25.040.20 Brojčano upravljani strojevi

### Međunarodna normizacija (ISO)

ISO 14649-111:2010

Industrial automation systems and integration — Physical device control — Data model for computerized numerical controllers — Part 111: Tools for milling machines

## 25.040.40 Mjerenje i upravljanje u industrijskim procesima

### Međunarodna normizacija (IEC)

IEC 60546-1:2010

Controllers with analogue signals for use in industrial-process control systems — Part 1: Methods of evaluating the performance

### Europska normizacija

EN 61784-3-14:2010

Industrial communication networks — Profiles — Part 3-14: Functional safety fieldbuses — Additional specifications for CPF 14 (IEC 61784-3-14:2010)

CLC/TR 62061-1:2010

Guidance on the application of ISO 13849-1 and IEC 62061 in the design of safety-related control systems for machinery

EN 60546-2:2010

Controllers with analogue signals for use in industrial-process control systems — Part 2: Guidance for inspection and routine testing (IEC 60546-2:2010)

## 25.060.20 Uređaji za držanje i podjelu oruđa

### Međunarodna normizacija (ISO)

ISO 9270-1:2010

7/24 taper spindle noses for automatic tool changers — Part 1: Dimensions and designation of spindle noses of forms S and SF

ISO 9270-2:2010

7/24 taper spindle noses for automatic tool changers — Part 2: Dimensions and designation of spindle noses of forms J and JF

ISO 10649-1:2010

Cutter arbors with parallel key and tenon drive — Part 1: General dimensions

ISO 10649-2:2010

Cutter arbors with parallel key and tenon drive — Part 2: Dimensions and designation of tool holders with hollow taper interface with flange contact surface

ISO 10649-3:2010

Cutter arbors with parallel key and tenon drive — Part 3: Dimensions and designation of tool holders with 7/24 taper for automatic tool changers

ISO 10649-4:2010

Cutter arbors with parallel key and tenon drive — Part 4: Dimensions and designation of tool holders with 7/24 taper without automatic tool changers

## 25.100.01 Alati za rezanje općenito

### Međunarodna normizacija (ISO)

ISO 5610-11:2010

Tool holders with rectangular shank for indexable inserts — Part 11: Style R

## 25.140.20 Električni alati

### Međunarodna normizacija (IEC)

IEC 60745-2-19:2005+A1:2010

Hand-held motor-operated electric tools — Safety — Part 2-19: Particular requirements for jointers

IEC 60745-2-14:2003+A1:2006+A2:2010

Hand-held motor-operated electric tools — Safety — Part 2-14: Particular requirements for planers

### Europska normizacija

EN 60745-2-17:2010

Hand-held motor-operated electric tools — Safety — Part 2-17: Particular requirements for routers and trimmers (IEC 60745-2-17:2010 (Modified))

## 25.160.30 Oprema za zavarivanje

### Međunarodna normizacija (IEC)

IEC 60974-4:2010

Arc welding equipment — Part 4: Periodic inspection and testing

## 25.160.40 Zavareni spojevi

### Međunarodna normizacija (ISO)

ISO 10675-2:2010

Non-destructive testing of welds — Acceptance levels for radiographic testing — Part 2: Aluminium and its alloys

### Europska normizacija

EN ISO 7963:2010

Non-destructive testing — Ultrasonic testing — Specification for calibration block No. 2 (ISO 7963:2006)

## 25.220.20 Površinska obradba

### Međunarodna normizacija (ISO)

ISO 2085:2010

Anodizing of aluminium and its alloys — Check for continuity of thin anodic oxidation coatings — Copper sulfate test

ISO 2128:2010

Anodizing of aluminium and its alloys — Determination of thickness of anodic oxidation coatings — Non-destructive measurement by split-beam microscope

ISO 2376:2010

Anodizing of aluminium and its alloys — Determination of electric breakdown potential

ISO 3211:2010

Anodizing of aluminium and its alloys — Assessment of resistance of anodic oxidation coatings to cracking by deformation

ISO 7759:2010

Anodizing of aluminium and its alloys – Measurement of reflectance characteristics of aluminium surfaces using a goniophotometer or an abridged goniophotometer

ISO 8993:2010

Anodizing of aluminium and its alloys – Rating system for the evaluation of pitting corrosion – Chart method

ISO 10215:2010

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

### **Evropska normizacija**

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 2376:2010

Anodizing of aluminium and its alloys – Determination of electric breakdown potential (ISO 2376:2010)

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 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 2128:2010

Anodizing of aluminium and its alloys – Determination of thickness of anodic oxidation coatings – Non-destructive measurement by split-beam microscope (ISO 2128:2010)

EN ISO 3211:2010

Anodizing of aluminium and its alloys – Assessment of resistance of anodic oxidation coatings to cracking by deformation (ISO 3211:2010)

EN ISO 7759:2010

Anodizing of aluminium and its alloys – Measurement of reflectance characteristics of aluminium surfaces using a goniophotometer or an abridged goniophotometer (ISO/FDIS 7759:2010)

## **27.010 Tehnika prijenosa energije i topline općenito**

### **Evropska normizacija**

EN 60027-7:2010

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

## **27.020 Motori s unutrašnjim izgaranjem**

### **Međunarodna normizacija (ISO)**

ISO 7967-3:2010

Reciprocating internal combustion engines – Vocabulary of components and systems – Part 3: Valves, camshaft drives and actuating mechanisms

## **27.120.30 Fisijska gradiva**

### **Međunarodna normizacija (ISO)**

ISO 10276:2010

Nuclear energy – Fuel technology – Trunnions for packages used to transport radioactive material

ISO 26062:2010

Nuclear technology – Nuclear fuels – Procedures for the measurement of elemental impurities in uranium- and plutonium-based materials by inductively coupled plasma mass spectrometry

## **27.220 Uporaba otpadne topline. Toplinska izolacija**

### **Međunarodna normizacija (ISO)**

ISO 8301:1991/Amd 1:2010

Thermal insulation – Determination of steady-state thermal resistance and related properties – Heat flow meter apparatus

## **29.020 Elektrotehnika općenito**

### **Međunarodna normizacija (IEC)**

IEC 60445:2010

Basic and safety principles for man-machine interface, marking and identification – Identification of equipment terminals, conductor terminations and conductors

IEC Guide 104:2010

The preparation of safety publications and the use of basic safety publications and group safety publications

IEC Guide 116:2010

Guidelines for safety related risk assessment and risk reduction for low voltage equipment

IEC 60695-6-1:2005+A1:2010

Fire hazard testing – Part 6-1: Smoke obscuration – General guidance

### **Evropska normizacija**

EN 50160:2010

Voltage characteristics of electricity supplied by public electricity networks

EN 60695-6-1:2005/A1:2010

Fire hazard testing – Part 6-1: Smoke obscuration – General guidance (IEC 60695-6-1:2005/A1:2010)

## **29.030 Magnetska gradiva**

### **Međunarodna normizacija (IEC)**

IEC/TR 62581:2010

Electrical steel – Methods of measurement of the magnetostriction characteristics by means of single sheet and Epstein test specimens

## **29.035.10 Papirna i kartonska izolacijska gradiva**

### **Međunarodna normizacija (IEC)**

IEC 60763-1:2010

Laminated pressboard for electrical purposes – Part 1: Definitions, classification and general requirements



IEC 60763-3-1:2010

Laminated pressboard for electrical purposes  
— Part 3: Specifications for individual materials —  
Sheet 1: Requirements for laminated precompressed  
pressboard, Types LB3.1A.1 and LB3.1A.2

## 29.035.20 Plastična i gumena izolacijska gradiva

### Europska normizacija

EN 60684-3-280:2010

Flexible insulating sleeving — Part 3: Specifications  
for individual types of sleeving — Sheet 280: Heat-  
shrinkable, polyolefin sleeving, anti-tracking  
(IEC 60684-3-280:2010)

EN 60684-3-281:2010

Flexible insulating sleeving — Part 3: Specifications  
for individual types of sleeving — Sheet 281: Heat-  
shrinkable, polyolefin sleeving, semiconductive  
(IEC 60684-3-281:2010)

EN 60684-3-282:2010

Flexible insulating sleeving — Part 3: Specifications  
for individual types of sleeving — Sheet 282: Heat-  
shrinkable, polyolefin sleeving — Stress control  
(IEC 60684-3-282:2010)

EN 62329-3-101:2010

Heat-shrinkable moulded shapes — Part 3:  
Specification requirements for shape dimensions,  
material requirements and compatibility performance  
— Sheet 101: Heat-shrinkable moulded shapes,  
polyolefin, semi-rigid, limited fire hazard, material  
requirements and system performance  
(IEC 62329-3-101:2010)

EN 62329-3-102:2010

Heat-shrinkable moulded shapes — Part 3:  
Specification requirements for shape dimensions,  
material requirements and compatibility performance  
— Sheet 102: Heat-shrinkable elastomeric moulded  
shapes, semi-rigid, material requirements and system  
performance (IEC 62329-3-102:2010)

## 29.040.99 Drugi izolacijski fluidi

### Međunarodna normizacija (IEC)

IEC 61099:2010

Insulating liquids— Specifications for unused synthetic  
organic esters for electrical purposes

## 29.060.10 Žice

### Međunarodna normizacija (IEC)

IEC 60317-57:2010

Specifications for particular types of winding wires  
— Part 57: Polyamide-imide enameled round copper  
wire, class 220

IEC 60317-58:2010

Specifications for particular types of winding wires  
— Part 58: Polyamide-imide enameled rectangular  
copper wire, class 220

## 29.080.01 Električna izolacija općenito

### Međunarodna normizacija (IEC)

IEC 60664-3:2003+A1:2010

Insulation coordination for equipment within low-  
voltage systems — Part 3: Use of coating, potting or  
moulding for protection against pollution

## 29.080.10 Izolatori

### Međunarodna normizacija (IEC)

IEC/TR 62662:2010

Guidance for production, testing and diagnostics of  
polymer insulators with respect to brittle fracture of  
core materials

## 29.120.10 Zaštitne cijevi za električne potrebe

### Međunarodna normizacija (IEC)

IEC 62444:2010

Cable glands for electrical installations

## 29.120.20 Uređaji za povezivanje

### Međunarodna normizacija (IEC)

IEC 61210:2010

Connecting devices — Flat quick-connect  
terminations for electrical copper conductors— Safety  
requirements

## 29.120.30 Utikači, utičnice, sprežnici

### Međunarodna normizacija (IEC)

IEC 61210:2010

Connecting devices — Flat quick-connect  
terminations for electrical copper conductors— Safety  
requirements

## 29.120.50 Osigurači i drugi uređaji za nadstrujnu zaštitu

### Međunarodna normizacija (IEC)

IEC 60127-2:2003+A1:2003+A2:2010

Miniature fuses — Part 2: Cartridge fuse-links

IEC/TR 60269-5:2010

Low-voltage fuses — Part 5: Guidance for the  
application of low-voltage fuses

IEC 60269-6:2010

Low-voltage fuses — Part 6: Supplementary  
requirements for fuse-links for the protection of solar  
photovoltaic energy systems

### Europska normizacija

HD 639 S1:2002/A2:2010

Electrical accessories — Portable residual current  
devices without integral overcurrent protection for  
household and similar use (PRCDs)

HD 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 60269-2:2010 (Modified))

HD 60269-3:2010

Low-voltage fuses — Part 3: Supplementary  
requirements for fuses for use by unskilled persons  
(fuses mainly for household and similar applications)  
— Examples of standardized systems of fuses A to F  
(IEC 60269-3:2010 (Modified))

## 29.130.10 Visokonaponski rasklopniki i upravljački uređaji

### Europska normizacija

EN 62271-101:2006/A1:2010  
High-voltage switchgear and controlgear — Part 101:  
Synthetic testing (IEC 62271-101:2006/A1:2010)

## 29.140.99 Druge norme koje se odnose na svjetiljke

### Međunarodna normizacija (IEC)

IEC 61347-2-12:2005/A1:2010  
Amendment 1 — Lamp controlgear — Part 2-12:  
Particular requirements for d.c. or a.c. supplied  
electronic ballasts for discharge lamps (excluding  
fluorescent lamps)

## 29.180 Transformatori. Prigušnice

### Međunarodna normizacija (IEC)

IEC 61558-2-23:2010  
Safety of transformers, reactors, power supply units  
and combinations thereof — Part 2-23: Particular  
requirements and tests for transformers and power  
supply units for construction sites

IEC 62041:2010  
Safety of transformers, reactors, power supply units  
and combinations thereof — EMC requirements

## 29.220.20 Kiseli sekundarni članci i baterije

### Međunarodna normizacija (IEC)

IEC 62485-3:2010  
Safety requirements for secondary batteries and  
battery installations — Part 3: Traction batteries

## 29.240.01 Mreže za prijenos i razdiobu električne energije općenito

### Međunarodna normizacija (IEC)

IEC 61936-1:2010  
Power installations exceeding 1 kV a.c. — Part 1:  
Common rules

## 29.260.20 Električni uređaji za eksplozivnu atmosferu

### Međunarodna normizacija (IEC)

IECEX 02:2010  
IECEX certified equipment scheme covering equipment  
for use in explosive atmospheres — Rules of  
procedure

IECEX 03:2010  
IECEX certified service facilities scheme covering  
repair and overhaul of ex equipment — Rules of  
procedure

IEC 60079-29-4:2009/Corr.1:2010  
Corrigendum 1 — Explosive atmospheres — Part 29-4:  
Gas detectors — Performance requirements of open  
path detectors for flammable gases

## 29.260.99 Druga električna oprema za rad u posebnim uvjetima

### Međunarodna normizacija (IEC)

IEC 61892-1:2010  
Mobile and fixed offshore units — Electrical  
installations — Part 1: General requirements and  
conditions

IEC 61892-5:2010  
Mobile and fixed offshore units — Electrical  
installations — Part 5: Mobile units

## 29.280 Oprema za električnu vuču

### Međunarodna normizacija (IEC)

IEC 62498-2:2010  
Railway applications — Environmental conditions for  
equipment — Part 2: Fixed electrical installations

IEC 62498-3:2010  
Railway applications — Environmental conditions for  
equipment — Part 3: Equipment for signalling and  
telecommunications

## 31.040.30 Termistori

### Europska normizacija

EN 60539-2:2004/A1:2010  
Directly heated negative temperature coefficient  
thermistors — Part 2: Sectional specification — Surface  
mount negative temperature coefficient thermistors  
(IEC 60539-2:2003/A1:2010)

## 31.060.10 Nepromjenjivi kondenzatori

### Europska normizacija

EN 62490-1:2010  
ESL measuring method — Part 1: Capacitors with lead  
terminal for use in electronic equipment  
(IEC 62490-1:2010)

EN 62490-2:2010  
ESL measuring method — Part 2: Surface mount  
capacitors for use in electronic equipment  
(IEC 62490-2:2010)

## 31.060.30 Papirni i plastični kondenzatori

### Međunarodna normizacija (IEC)

IEC 61881-1:2010  
Railway applications — Rolling stock equipment —  
Capacitors for power electronics — Part 1: Paper/  
plastic film capacitors

## 31.060.50 Aluminijski elektrolitni kondenzatori

### Međunarodna normizacija (IEC)

IEC 60384-26:2010  
Fixed capacitors for use in electronic equipment —  
Part 26: Sectional specification — Fixed aluminium  
electrolytic capacitors with conductive polymer solid  
electrolyte

IEC 60384-26-1:2010  
Fixed capacitors for use in electronic equipment —  
Part 26-1: Blank detail specification — Fixed aluminium  
electrolytic capacitors with conductive polymer solid  
electrolyte — Assessment level EZ

## 31.060.70 Energetski kondenzatori

### Međunarodna normizacija (IEC)

IEC 60252-1:2010

AC motor capacitors — Part 1: General — Performance, testing and rating — Safety requirements — Guidance for installation and operation

## 31.080.01 Poluvodički uređaji općenito

### Međunarodna normizacija (IEC)

IEC/TR 62258-3:2010

Semiconductor die products — Part 3: Recommendations for good practice in handling, packing and storage

IEC 62374-1:2010

Semiconductor devices — Part 1: Time-dependent dielectric breakdown (TDDb) test for inter-metal layers

### Europska normizacija

EN 60749-19:2003/A1:2010

Semiconductor devices — Mechanical and climatic test methods — Part 19: Die shear strength (IEC 60749-19:2003/A1:2010)

EN 60749-32:2003/A1:2010

Semiconductor devices — Mechanical and climatic test methods — Part 32: Flammability of plastic-encapsulated devices (externally induced) (IEC 60749-32:2002/A1:2010)

## 31.080.20 Tiristori

### Europska normizacija

EN 61975:2010

High-voltage direct current (HVDC) installations — System tests (IEC 61975:2010)

## 31.180 Tiskani krugovi i pločice

### Međunarodna normizacija (IEC)

IEC/PAS 62326-14:2010

Printed boards — Part 14: Device embedded substrate — Terminology / reliability / design guide

## 31.190 Sklopovi elektroničkih sastavnica

### Europska normizacija

EN 61190-1-3:2007/A1:2010

Attachment materials for electronic assembly — Part 1-3: Requirements for electronic grade solder alloys and fluxed and non-fluxed solid solders for electronic soldering applications (IEC 61190-1-3:2007/A1:2010)

## 31.200 Integrirani krugovi. Mikroelektronika

### Međunarodna normizacija (IEC)

IEC 60747-1:2006+A1:2010

Semiconductor devices — Part 1: General

IEC 61967-6:2002/Corr.1:2010

Corrigendum 1 — Integrated circuits — Measurement of electromagnetic emissions, 150 kHz to 1 GHz — Part 6: Measurement of conducted emissions — Magnetic probe method

## 31.220.10 Utikački i utičnički uređaji. Konektori

### Europska normizacija

EN 60512-8-1:2010

Connectors for electronic equipment — Tests and measurements — Part 8-1: Static load tests (fixed connectors) — Test 8a: Static load, transverse (IEC 60512-8-1:2010)

EN 60512-17-1:2010

Connectors for electronic equipment — Tests and measurements — Part 17-1: Cable clamping tests — Test 17a: Cable clamp robustness (IEC 60512-17-1:2010)

EN 60512-17-3:2010

Connectors for electronic equipment — Tests and measurements — Part 17-3: Cable clamping tests — Test 17c: Cable clamp resistance to cable pull (tensile) (IEC 60512-17-3:2010)

EN 60512-17-4:2010

Connectors for electronic equipment — Tests and measurements — Part 17-4: Cable clamping tests — Test 17d: Cable clamp resistance to cable torsion (IEC 60512-17-4:2010)

EN 60512-23-2:2010

Connectors for electronic equipment — Tests and measurements — Part 23-2: Screening and filtering tests — Test 23b: Suppression characteristics of integral filters (IEC 60512-23-2:2010)

EN 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 (IEC 60603-7-7:2010)

EN 61076-3-115:2010

Connectors for electronic equipment — Product requirements — Part 3-115: Rectangular connectors — Detail specification for protective housings for use with 8-way shielded and unshielded connectors for frequencies up to 600 MHz for industrial environments incorporating the IEC 60603-7 series interface — Variant 12 related to IEC 61076-3-106 — Push-pull type (IEC 61076-3-115:2009)

## 31.240 Mehaničke konstrukcije za elektroničku opremu

### Međunarodna normizacija (IEC)

IEC 60191-6-20:2010

Mechanical standardization of semiconductor devices — Part 6-20: General rules for the preparation of outline drawings of surface mounted semiconductor device packages — Measuring methods for package dimensions of small outline J-lead packages (SOJ)

IEC 60191-6-21:2010

Mechanical standardization of semiconductor devices — Part 6-21: General rules for the preparation of outline drawings of surface mounted semiconductor device packages — Measuring methods for package dimensions of small outline packages (SOP)

## 33.020 Telekomunikacije općenito

### Međunarodna normizacija (ISO)

ISO 7779:2010

Acoustics — Measurement of airborne noise emitted by information technology and telecommunications equipment

## 33.040.20 Prijenosni sustavi

### Europska normizacija

EN 61968-11:2010

Application integration at electric utilities — System interfaces for distribution management — Part 11: Common information model (CIM) extensions for distribution (IEC 61968-11:2010)

## 33.040.40 Mreže za prijenos podataka

### Međunarodna normizacija (IEC)

IEC 61850-7-2:2010

Communication networks and systems for power utility automation — Part 7-2: Basic information and communication structure — Abstract communication service interface (ACSI)

## 33.060.20 Prijamna i odašiljačka oprema

### Europska normizacija

EN 300 296-1 V1.3.1

Electromagnetic compatibility and Radio spectrum Matters (ERM) — Land Mobile Service — Radio equipment using integral antennas intended primarily for analogue speech — Part 1: Technical characteristics and methods of measurement

EN 300 296-2 V1.3.1

Electromagnetic compatibility and Radio spectrum Matters (ERM) — Land Mobile Service — Radio equipment using integral antennas intended primarily for analogue speech — Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

EN 301 783-1 V1.2.1

Electromagnetic compatibility and Radio spectrum Matters (ERM) — Land Mobile Service — Commercially available amateur radio equipment — Part 1: Technical characteristics and methods of measurement

EN 301 783-2 V1.2.1

Electromagnetic compatibility and Radio spectrum Matters (ERM) — Land Mobile Service — Commercially available amateur radio equipment — Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

EN 300 440-1 V1.6.1

Electromagnetic compatibility and Radio spectrum Matters (ERM) — Short range devices — Radio equipment to be used in the 1 GHz to 40 GHz frequency range — Part 1: Technical characteristics and test methods

EN 300 440-2 V1.4.1

Electromagnetic compatibility and Radio spectrum Matters (ERM) — Short range devices — Radio equipment to be used in the 1 GHz to 40 GHz frequency range — Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

## 33.060.30 Radioreleji i nepomični satelitski komunikacijski sustavi

### Europska normizacija

EN 300 676-1 V1.5.1

Ground-based VHF hand-held, mobile and fixed radio transmitters, receivers and transceivers for the VHF aeronautical mobile service using amplitude modulation — Part 1: Technical characteristics and methods of measurement

EN 302 217-2-2 V1.4.1

Fixed Radio Systems — Characteristics and requirements for point-to-point equipment and antennas — Part 2-2: Digital systems operating in frequency bands where frequency co-ordination is applied — Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

EN 302 574-1 V1.1.1

Satellite Earth Stations and Systems (SES) — Harmonized Standard for satellite earth stations for MSS operating in the 1 980 MHz to 2 010 MHz (earth-to-space) and 2 170 MHz to 2 200 MHz (space-to-earth) frequency bands — Part 1: Complementary Ground Component (CGC) for wideband systems: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

EN 302 574-2 V1.1.1

Satellite Earth Stations and Systems (SES) — Harmonized Standard for satellite earth stations for MSS operating in the 1 980 MHz to 2 010 MHz (earth-to-space) and 2 170 MHz to 2 200 MHz (space-to-earth) frequency bands — Part 2: User Equipment (UE) for wideband systems: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

EN 302 574-3 V1.1.1

Satellite Earth Stations and Systems (SES) — Harmonized Standard for satellite earth stations for MSS operating in the 1 980 MHz to 2 010 MHz (earth-to-space) and 2 170 MHz to 2 200 MHz (space-to-earth) frequency bands — Part 3: User Equipment (UE) for narrowband systems: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

## 33.060.40 Kabelski sustavi za razdiobu

### Međunarodna normizacija (IEC)

IEC 60728-13:2010/Corr.1:2010

Corrigendum 1 — Cable networks for television signals, sound signals and interactive services — Part 13: Optical systems for broadcast signal transmissions

## 33.070.10 Zemaljski radio (TETRA)

### Europska normizacija

EN 300 392-5 V2.2.1

Terrestrial Trunked Radio (TETRA) — Voice plus Data (V+D) and Direct Mode Operation (DMO) — Part 5: Peripheral Equipment Interface (PEI)

EN 300 392-12-4 V1.2.1

Terrestrial Trunked Radio (TETRA) — Voice plus Data (V+D) — Part 12: Supplementary services stage 3 — Sub-part 4: Call Forwarding (CF)

EN 300 392-12-8 V1.2.1

Terrestrial Trunked Radio (TETRA) — Voice plus Data (V+D) — Part 12: Supplementary services stage 3 — Sub-part 8: Area Selection (AS)



- EN 300 396-6 V1.4.1  
Terrestrial Trunked Radio (TETRA) – Direct Mode Operation (DMO) – Part 6: Security
- EN 300 392-2 V3.4.1  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 2: Air Interface (AI)
- EN 300 392-3-1 V1.3.1  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 3: Interworking at the Inter-System Interface (ISI) – Sub-part 1: General design
- EN 300 392-3-2 V1.4.1  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 3: Interworking at the Inter-System Interface (ISI) – Sub-part 2: Additional Network Feature Individual Call (ANF-ISIIC)
- EN 300 392-3-4 V1.3.1  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 3: Interworking at the Inter-System Interface (ISI) – Sub-part 4: Additional Network Feature Short Data Service (ANF-ISISDS)
- EN 300 392-9 V1.4.1  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 9: General requirements for supplementary services

### 33.070.40 Sateliti

#### Europska normizacija

- EN 301 442 V1.2.1  
Satellite Earth Stations and Systems (SES) – Harmonized EN for Mobile Earth Stations (MESs), including handheld earth stations, for Satellite Personal Communications Networks (S-PCN) in the 2,0 GHz bands under the Mobile Satellite Service (MSS) covering essential requirements under article 3.2 of the R&TTE directive

### 33.100.10 Zračenje

#### Međunarodna normizacija (IEC)

- IEC 61000-4-15:2010  
Electromagnetic compatibility (EMC) – Part 4-15: Testing and measurement techniques – Flickermeter – Functional and design specifications

### 33.100.20 Neosjetljivost

#### Međunarodna normizacija (IEC)

- IEC 61000-4-20:2010  
Electromagnetic compatibility (EMC) – Part 4-20: Testing and measurement techniques – Emission and immunity testing in transverse electromagnetic (TEM) waveguides

### 33.120.10 Suosni kabeli. Valovodi

#### Europska normizacija

- EN 61935-2:2010  
Specification for the testing of balanced and coaxial information technology cabling – Part 2: Cords as specified in ISO/IEC 11801 and related standards (IEC 61935-2:2010)

### 33.120.40 Antene

#### Europska normizacija

- EN 302 217-2-2 V1.4.1  
Fixed Radio Systems – Characteristics and requirements for point-to-point equipment and antennas – Part 2-2: Digital systems operating in frequency bands where frequency co-ordination is applied – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

### 33.160.20 Radioprijamnici

#### Europska normizacija

- EN 55020:2007/IS2:2010  
Sound and television broadcast receivers and associated equipment – Immunity characteristics – Limits and methods of measurement – Interpretation of Clause I.7

### 33.160.25 Televizijski prijamnici

#### Europska normizacija

- EN 55020:2007/IS2:2010  
Sound and television broadcast receivers and associated equipment – Immunity characteristics – Limits and methods of measurement – Interpretation of Clause I.7

### 33.180.01 Svjetlovodni sustavi općenito

#### Međunarodna normizacija (IEC)

- IEC 60728-13:2010/Corr.1:2010  
Corrigendum 1 – Cable networks for television signals, sound signals and interactive services – Part 13: Optical systems for broadcast signal transmissions

### 33.180.10 Svjetlovodna vlakna i kabeli

#### Međunarodna normizacija (IEC)

- IEC 60793-1-41:2010  
Optical fibres – Part 1-41: Measurement methods and test procedures – Bandwidth

### 33.180.20 Svjetlovodni vezni uređaji

#### Međunarodna normizacija (IEC)

- IEC/TR 62627-01:2010  
Fibre optic interconnecting devices and passive components – Part 01: Fibre optic connector cleaning methods

### 35.020 Informacijska tehnika (IT) općenito

#### Međunarodna normizacija (ISO)

- ISO 7779:2010  
Acoustics – Measurement of airborne noise emitted by information technology and telecommunications equipment

## Europska normizacija

EN ISO 7779:2010

Acoustics — Measurement of airborne noise emitted by information technology and telecommunications equipment (ISO 7779:2010)

## 35.040 Skupovi znakova i informacijsko kodiranje

### Međunarodna normizacija (ISO)

ISO/IEC 15938-7:2003/Amd 5:2010

Information technology — Multimedia content description interface — Part 7: Conformance testing — Amendment 5: Conformance testing for image signature tools

ISO/IEC 19763-3:2010

Information technology — Metamodel framework for interoperability (MFI) — Part 3: Metamodel for ontology registration

ISO/IEC 23000-3:2007/Amd 2:2010

Information technology — Multimedia application format (MPEG-A) — Part 3: MPEG photo player application format — Amendment 2: Conformance testing for photo player application format

ISO/IEC 23000-9:2008/Amd 1:2010

Information technology — Multimedia application format (MPEG-A) — Part 9: Digital Multimedia Broadcasting application format — Amendment 1: Conformance and reference software

ISO/IEC 24723:2010

Information technology — Automatic identification and data capture techniques — GS1 Composite bar code symbology specification

ISO/IEC 24791-1:2010

Information technology — Radio frequency identification (RFID) for item management — Software system infrastructure — Part 1: Architecture

ISO/IEC 29199-4:2010

Information technology — JPEG XR image coding system — Part 4: Conformance testing

ISO/IEC 29199-5:2010

Information technology — JPEG XR image coding system — Part 5: Reference software

ISO/IEC 14496-2:2004/Cor 4:2010

Information technology — Coding of audio-visual objects — Part 2: Visual

ISO/IEC 14496-5:2001/Amd 10:2007/Cor 4:2010

Information technology — Coding of audio-visual objects — Part 5: Reference software

ISO/IEC 29159-1:2010

Information technology — Biometric calibration, augmentation and fusion data — Part 1: Fusion information format

## Europska normizacija

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 15438:2010

Information technology — Automatic identification and data capture techniques — PDF417 bar code symbology specification (ISO/IEC 15438:2006)

CWA 16200:2010

A Guide to the Development and Use of Standards Compliant Data Formats for Engineering Materials Test Data

## 35.060 Jezici koji se upotrebljavaju u informatičkoj tehnici

### Međunarodna normizacija (ISO)

ISO/IEC 29500-1:2008/Amd 1:2010

Information technology — Document description and processing languages — Office Open XML File Formats — Part 1: Fundamentals and Markup Language Reference

ISO/IEC 29500-4:2008/Amd 1:2010

Information technology — Document description and processing languages — Office Open XML File Formats — Part 4: Transitional Migration Features

ISO/IEC 29124:2010

Information technology — Programming languages, their environments and system software interfaces — Extensions to the C++ Library to support mathematical special functions

## 35.080 Razvoj računalne podrške i dokumentacijski sustav

### Međunarodna normizacija (ISO)

ISO/IEC TR 15026-1:2010

Systems and software engineering — Systems and software assurance — Part 1: Concepts and vocabulary

ISO/IEC 29881:2010

Information technology — Systems and software engineering — FiSMA 1.1 functional size measurement method

ISO/IEC 19793:2008/Cor 1:2010

Information technology — Open Distributed Processing — Use of UML for ODP system specifications

ISO/IEC TR 24774:2010

Systems and software engineering — Life cycle management — Guidelines for process description

ISO/IEC 25045:2010

Systems and software engineering — Systems and software Quality Requirements and Evaluation (SQuARE) — Evaluation module for recoverability

## 35.100.05 Višeslojna primjena

### Europska normizacija

EN 61784-3-14:2010

Industrial communication networks — Profiles — Part 3-14: Functional safety fieldbuses — Additional specifications for CPF 14 (IEC 61784-3-14:2010)

## 35.100.20 Sloj veze između podataka

### Međunarodna normizacija (IEC)

IEC/TR 61158-1:2010

Industrial communication networks — Fieldbus specifications — Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series

IEC 61158-3-14:2010

Industrial communication networks — Fieldbus specifications — Part 3-14: Data-link layer service definition — Type 14 elements

IEC 61158-3-19:2010

Industrial communication networks — Fieldbus specifications — Part 3-19: Data-link layer service definition — Type 19 elements

IEC 61158-3-21:2010  
Industrial communication networks – Fieldbus specifications – Part 3-21: Data-link layer service definition – Type 21 elements

IEC 61158-3-22:2010  
Industrial communication networks – Fieldbus specifications – Part 3-22: Data-link layer service definition – Type 22 elements

IEC 61158-4-2:2010  
Industrial communication networks – Fieldbus specifications – Part 4-2: Data-link layer protocol specification – Type 2 elements

IEC 61158-4-3:2010  
Industrial communication networks – Fieldbus specifications – Part 4-3: Data-link layer protocol specification – Type 3 elements

IEC 61158-4-11:2010  
Industrial communication networks – Fieldbus specifications – Part 4-11: Data-link layer protocol specification – Type 11 elements

IEC 61158-4-12:2010  
Industrial communication networks – Fieldbus specifications – Part 4-12: Data-link layer protocol specification – Type 12 elements

IEC 61158-4-14:2010  
Industrial communication networks – Fieldbus specifications – Part 4-14: Data-link layer protocol specification – Type 14 elements

IEC 61158-4-18:2010  
Industrial communication networks – Fieldbus specifications – Part 4-18: Data-link layer protocol specification – Type 18 elements

IEC 61158-4-19:2010  
Industrial communication networks – Fieldbus specifications – Part 4-19: Data-link layer protocol specification – Type 19 elements

IEC 61158-4-21:2010  
Industrial communication networks – Fieldbus specifications – Part 4-21: Data-link layer protocol specification – Type 21 elements

IEC 61158-4-22:2010  
Industrial communication networks – Fieldbus specifications – Part 4-22: Data-link layer protocol specification – Type 22 elements

IEC 61158-5-2:2010  
Industrial communication networks – Fieldbus specifications – Part 5-2: Application layer service definition – Type 2 elements

IEC 61158-5-3:2010  
Industrial communication networks – Fieldbus specifications – Part 5-3: Application layer service definition – Type 3 elements

IEC 61158-5-10:2010  
Industrial communication networks – Fieldbus specifications – Part 5-10: Application layer service definition – Type 10 elements

IEC 61158-5-12:2010  
Industrial communication networks – Fieldbus specifications – Part 5-12: Application layer service definition – Type 12 elements

IEC 61158-5-14:2010  
Industrial communication networks – Fieldbus specifications – Part 5-14: Application layer service definition – Type 14 elements

IEC 61158-5-15:2010  
Industrial communication networks – Fieldbus specifications – Part 5-15: Application layer service definition – Type 15 elements

IEC 61158-5-18:2010  
Industrial communication networks – Fieldbus specifications – Part 5-18: Application layer service definition – Type 18 elements

IEC 61158-5-19:2010  
Industrial communication networks – Fieldbus specifications – Part 5-19: Application layer service definition – Type 19 elements

IEC 61158-5-20:2010  
Industrial communication networks – Fieldbus specifications – Part 5-20: Application layer service definition – Type 20 elements

IEC 61158-5-21:2010  
Industrial communication networks – Fieldbus specifications – Part 5-21: Application layer service definition – Type 21 elements

IEC 61158-5-22:2010  
Industrial communication networks – Fieldbus specifications – Part 5-22: Data-link layer service definition – Type 22 elements

## 35.100.70 Sloj primjene

### Međunarodna normizacija (IEC)

IEC 61158-6-2:2010  
Industrial communication networks – Fieldbus specifications – Part 6-2: Application layer protocol specification – Type 2 elements

IEC 61158-6-3:2010  
Industrial communication networks – Fieldbus specifications – Part 6-3: Application layer protocol specification – Type 3 elements

IEC 61158-6-9:2010  
Industrial communication networks – Fieldbus specifications – Part 6-9: Application layer protocol specification – Type 9 elements

IEC 61158-6-10:2010  
Industrial communication networks – Fieldbus specifications – Part 6-10: Application layer protocol specification – Type 10 elements

IEC 61158-6-12:2010  
Industrial communication networks – Fieldbus specifications – Part 6-12: Application layer protocol specification – Type 12 elements

IEC 61158-6-14:2010  
Industrial communication networks – Fieldbus specifications – Part 6-14: Application layer protocol specification – Type 14 elements

IEC 61158-6-15:2010  
Industrial communication networks – Fieldbus specifications – Part 6-15: Application layer protocol specification – Type 15 elements

IEC 61158-6-18:2010  
Industrial communication networks – Fieldbus specifications – Part 6-18: Application layer protocol specification – Type 18 elements

IEC 61158-6-19:2010  
Industrial communication networks – Fieldbus specifications – Part 6-19: Application layer protocol specification – Type 19 elements

IEC 61158-6-20:2010  
Industrial communication networks – Fieldbus specifications – Part 6-20: Application layer protocol specification – Type 20 elements

IEC 61158-6-21:2010  
Industrial communication networks – Fieldbus specifications – Part 6-21: Application layer protocol specification – Type 21 elements

IEC 61158-6-22:2010  
Industrial communication networks – Fieldbus specifications – Part 6-22: Application layer protocol specification – Type 22 elements

## 35.110 Umreživanje

### Međunarodna normizacija (ISO)

ISO/IEC TR 16166:2010  
Information technology – Telecommunications and information exchange between systems – Next Generation Corporate Networks (NGCN) – Security of session-based communications

ISO/IEC TR 16167:2010  
Information technology – Telecommunications and information exchange between systems – Next Generation Corporate Networks (NGCN) – Emergency calls

## 35.140 Računalna grafika

### Međunarodna normizacija (ISO)

ISO/IEC 19775-2:2010  
Information technology – Computer graphics and image processing – Extensible 3D (X3D) – Part 2: Scene access interface (SAI)

## 35.160 Mikroprocesorski sustavi

### Međunarodna normizacija (IEC)

IEC/TR 61158-1:2010  
Industrial communication networks – Fieldbus specifications – Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series

IEC 61158-3-14:2010  
Industrial communication networks – Fieldbus specifications – Part 3-14: Data-link layer service definition – Type 14 elements

IEC 61158-3-19:2010  
Industrial communication networks – Fieldbus specifications – Part 3-19: Data-link layer service definition – Type 19 elements

IEC 61158-3-21:2010  
Industrial communication networks – Fieldbus specifications – Part 3-21: Data-link layer service definition – Type 21 elements

IEC 61158-3-22:2010  
Industrial communication networks – Fieldbus specifications – Part 3-22: Data-link layer service definition – Type 22 elements

IEC 61158-4-2:2010  
Industrial communication networks – Fieldbus specifications – Part 4-2: Data-link layer protocol specification – Type 2 elements

IEC 61158-4-3:2010  
Industrial communication networks – Fieldbus specifications – Part 4-3: Data-link layer protocol specification – Type 3 elements

IEC 61158-4-11:2010  
Industrial communication networks – Fieldbus specifications – Part 4-11: Data-link layer protocol specification – Type 11 elements

IEC 61158-4-12:2010  
Industrial communication networks – Fieldbus specifications – Part 4-12: Data-link layer protocol specification – Type 12 elements

IEC 61158-4-14:2010  
Industrial communication networks – Fieldbus specifications – Part 4-14: Data-link layer protocol specification – Type 14 elements

IEC 61158-4-18:2010  
Industrial communication networks – Fieldbus specifications – Part 4-18: Data-link layer protocol specification – Type 18 elements

IEC 61158-4-19:2010  
Industrial communication networks – Fieldbus specifications – Part 4-19: Data-link layer protocol specification – Type 19 elements

IEC 61158-4-21:2010  
Industrial communication networks – Fieldbus specifications – Part 4-21: Data-link layer protocol specification – Type 21 elements

IEC 61158-4-22:2010  
Industrial communication networks – Fieldbus specifications – Part 4-22: Data-link layer protocol specification – Type 22 elements

IEC 61158-5-2:2010  
Industrial communication networks – Fieldbus specifications – Part 5-2: Application layer service definition – Type 2 elements

IEC 61158-5-3:2010  
Industrial communication networks – Fieldbus specifications – Part 5-3: Application layer service definition – Type 3 elements

IEC 61158-5-10:2010  
Industrial communication networks – Fieldbus specifications – Part 5-10: Application layer service definition – Type 10 elements

IEC 61158-5-12:2010  
Industrial communication networks – Fieldbus specifications – Part 5-12: Application layer service definition – Type 12 elements

IEC 61158-5-14:2010  
Industrial communication networks – Fieldbus specifications – Part 5-14: Application layer service definition – Type 14 elements

IEC 61158-5-15:2010  
Industrial communication networks – Fieldbus specifications – Part 5-15: Application layer service definition – Type 15 elements

IEC 61158-5-18:2010  
Industrial communication networks – Fieldbus specifications – Part 5-18: Application layer service definition – Type 18 elements

IEC 61158-5-19:2010  
Industrial communication networks – Fieldbus specifications – Part 5-19: Application layer service definition – Type 19 elements

IEC 61158-5-20:2010  
Industrial communication networks – Fieldbus specifications – Part 5-20: Application layer service definition – Type 20 elements

IEC 61158-5-21:2010  
Industrial communication networks – Fieldbus specifications – Part 5-21: Application layer service definition – Type 21 elements

IEC 61158-5-22:2010  
Industrial communication networks – Fieldbus specifications – Part 5-22: Data-link layer service definition – Type 22 elements

IEC 61158-6-2:2010  
Industrial communication networks – Fieldbus specifications – Part 6-2: Application layer protocol specification – Type 2 elements



- IEC 61158-6-3:2010  
Industrial communication networks – Fieldbus specifications – Part 6-3: Application layer protocol specification – Type 3 elements
- IEC 61158-6-9:2010  
Industrial communication networks – Fieldbus specifications – Part 6-9: Application layer protocol specification – Type 9 elements
- IEC 61158-6-10:2010  
Industrial communication networks – Fieldbus specifications – Part 6-10: Application layer protocol specification – Type 10 elements
- IEC 61158-6-12:2010  
Industrial communication networks – Fieldbus specifications – Part 6-12: Application layer protocol specification – Type 12 elements
- IEC 61158-6-14:2010  
Industrial communication networks – Fieldbus specifications – Part 6-14: Application layer protocol specification – Type 14 elements
- IEC 61158-6-15:2010  
Industrial communication networks – Fieldbus specifications – Part 6-15: Application layer protocol specification – Type 15 elements
- IEC 61158-6-18:2010  
Industrial communication networks – Fieldbus specifications – Part 6-18: Application layer protocol specification – Type 18 elements
- IEC 61158-6-19:2010  
Industrial communication networks – Fieldbus specifications – Part 6-19: Application layer protocol specification – Type 19 elements
- IEC 61158-6-20:2010  
Industrial communication networks – Fieldbus specifications – Part 6-20: Application layer protocol specification – Type 20 elements
- IEC 61158-6-21:2010  
Industrial communication networks – Fieldbus specifications – Part 6-21: Application layer protocol specification – Type 21 elements
- IEC 61158-6-22:2010  
Industrial communication networks – Fieldbus specifications – Part 6-22: Application layer protocol specification – Type 22 elements

## Europska normizacija

- EN 61784-3-1:2010  
Industrial communication networks – Profiles – Part 3-1: Functional safety fieldbuses – Additional specifications for CPF 1 (IEC 61784-3-1:2010)
- EN 61784-3-2:2010  
Industrial communication networks – Profiles – Part 3-2: Functional safety fieldbuses – Additional specifications for CPF 2 (IEC 61784-3-2:2010)
- EN 61784-3-3:2010  
Industrial communication networks – Profiles – Part 3-3: Functional safety fieldbuses – Additional specifications for CPF 3 (IEC 61784-3-3:2010)
- EN 61784-3-6:2010  
Industrial communication networks – Profiles – Part 3-6: Functional safety fieldbuses – Additional specifications for CPF 6 (IEC 61784-3-6:2010)
- EN 61784-3-8:2010  
Industrial communication networks – Profiles – Part 3-8: Functional safety fieldbuses – Additional specifications for CPF 8 (IEC 61784-3-8:2010)
- EN 61784-3-12:2010  
Industrial communication networks – Profiles – Part 3-12: Functional safety fieldbuses – Additional specifications for CPF 12 (IEC 61784-3-12:2010)

- EN 61784-3-13:2010  
Industrial communication networks – Profiles – Part 3-13: Functional safety fieldbuses – Additional specifications for CPF 13 (IEC 61784-3-13:2010)
- EN 61784-3-14:2010  
Industrial communication networks – Profiles – Part 3-14: Functional safety fieldbuses – Additional specifications for CPF 14 (IEC 61784-3-14:2010)

## 35.180 Terminalna i druga vanjska oprema

### Međunarodna normizacija (ISO)

- ISO/IEC 9995-3:2010  
Information technology – Keyboard layouts for text and office systems – Part 3: Complementary layouts of the alphanumeric zone of the alphanumeric section
- ISO 12646:2008/Amd 1:2010  
Graphic technology – Displays for colour proofing – Characteristics and viewing conditions

### Europska normizacija

- EN ISO/IEC 15423:2010  
Information technology – Automatic identification and data capture techniques – Bar code scanner and decoder performance testing

## 35.200 Sučelna i vezna oprema

### Međunarodna normizacija (IEC)

- IEC 62541-3:2010  
OPC unified architecture – Part 3: Address Space Model

### Europska normizacija

- CLC/TR 62541-1:2010  
OPC unified architecture – Part 1: Overview and concepts (IEC/TR 62541-1:2010)
- CLC/TR 62541-2:2010  
OPC unified architecture – Part 2: Security model (IEC/TR 62541-2:2010)

## 35.240.15 Identifikacijske kartice i srodni uređaji

### Međunarodna normizacija (ISO)

- ISO/IEC 14443-2:2010  
Identification cards – Contactless integrated circuit cards – Proximity cards – Part 2: Radio frequency power and signal interface
- ISO/IEC 19784-1:2006/Amd 3:2010  
Information technology – Biometric application programming interface – Part 1: BioAPI specification – Amendment 3: Support for interchange of certificates and security assertions, and other security aspects
- ISO/IEC 19785-4:2010  
Information technology – Common Biometric Exchange Formats Framework – Part 4: Security block format specifications
- ISO/IEC 7811-6:2008/Cor 1:2010  
Identification cards – Recording technique – Part 6: Magnetic stripe – High coercivity

ISO/IEC 24727-3:2008/Cor 1:2010  
Identification cards – Integrated circuit card  
programming interfaces – Part 3: Application  
interface

### **35.240.30 Primjene IT-a u obavješćivanju, dokumentaciji i izdavaštvu**

#### **Međunarodna normizacija (ISO)**

ISO 16612-2:2010  
Graphic technology – Variable data exchange –  
Part 2: Using PDF/X-4 and PDF/X-5 (PDF/VT-1 and  
PDF/VT-2)

ISO/IEC 29500-1:2008/Amd 1:2010  
Information technology – Document description  
and processing languages – Office Open XML  
File Formats – Part 1: Fundamentals and Markup  
Language Reference

ISO/IEC 29500-4:2008/Amd 1:2010  
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 20242-2:2010  
Industrial automation systems and integration –  
Service interface for testing applications – Part 2:  
Resource management service interface

ISO 14649-111:2010  
Industrial automation systems and integration  
– Physical device control – Data model for  
computerized numerical controllers – Part 111: Tools  
for milling machines

#### **Međunarodna normizacija (IEC)**

IEC/TR 61158-1:2010  
Industrial communication networks – Fieldbus  
specifications – Part 1: Overview and guidance for  
the IEC 61158 and IEC 61784 series

IEC 61158-3-14:2010  
Industrial communication networks – Fieldbus  
specifications – Part 3-14: Data-link layer service  
definition – Type 14 elements

IEC 61158-3-19:2010  
Industrial communication networks – Fieldbus  
specifications – Part 3-19: Data-link layer service  
definition – Type 19 elements

IEC 61158-3-21:2010  
Industrial communication networks – Fieldbus  
specifications – Part 3-21: Data-link layer service  
definition – Type 21 elements

IEC 61158-3-22:2010  
Industrial communication networks – Fieldbus  
specifications – Part 3-22: Data-link layer service  
definition – Type 22 elements

IEC 61158-4-2:2010  
Industrial communication networks – Fieldbus  
specifications – Part 4-2: Data-link layer protocol  
specification – Type 2 elements

IEC 61158-4-3:2010  
Industrial communication networks – Fieldbus  
specifications – Part 4-3: Data-link layer protocol  
specification – Type 3 elements

IEC 61158-4-11:2010  
Industrial communication networks – Fieldbus  
specifications – Part 4-11: Data-link layer protocol  
specification – Type 11 elements

IEC 61158-4-12:2010  
Industrial communication networks – Fieldbus  
specifications – Part 4-12: Data-link layer protocol  
specification – Type 12 elements

IEC 61158-4-14:2010  
Industrial communication networks – Fieldbus  
specifications – Part 4-14: Data-link layer protocol  
specification – Type 14 elements

IEC 61158-4-18:2010  
Industrial communication networks – Fieldbus  
specifications – Part 4-18: Data-link layer protocol  
specification – Type 18 elements

IEC 61158-4-19:2010  
Industrial communication networks – Fieldbus  
specifications – Part 4-19: Data-link layer protocol  
specification – Type 19 elements

IEC 61158-4-21:2010  
Industrial communication networks – Fieldbus  
specifications – Part 4-21: Data-link layer protocol  
specification – Type 21 elements

IEC 61158-4-22:2010  
Industrial communication networks – Fieldbus  
specifications – Part 4-22: Data-link layer protocol  
specification – Type 22 elements

IEC 61158-5-2:2010  
Industrial communication networks – Fieldbus  
specifications – Part 5-2: Application layer service  
definition – Type 2 elements

IEC 61158-5-3:2010  
Industrial communication networks – Fieldbus  
specifications – Part 5-3: Application layer service  
definition – Type 3 elements

IEC 61158-5-10:2010  
Industrial communication networks – Fieldbus  
specifications – Part 5-10: Application layer service  
definition – Type 10 elements

IEC 61158-5-12:2010  
Industrial communication networks – Fieldbus  
specifications – Part 5-12: Application layer service  
definition – Type 12 elements

IEC 61158-5-14:2010  
Industrial communication networks – Fieldbus  
specifications – Part 5-14: Application layer service  
definition – Type 14 elements

IEC 61158-5-15:2010  
Industrial communication networks – Fieldbus  
specifications – Part 5-15: Application layer service  
definition – Type 15 elements

IEC 61158-5-18:2010  
Industrial communication networks – Fieldbus  
specifications – Part 5-18: Application layer service  
definition – Type 18 elements

IEC 61158-5-19:2010  
Industrial communication networks – Fieldbus  
specifications – Part 5-19: Application layer service  
definition – Type 19 elements

IEC 61158-5-20:2010  
Industrial communication networks – Fieldbus  
specifications – Part 5-20: Application layer service  
definition – Type 20 elements

IEC 61158-5-21:2010  
Industrial communication networks – Fieldbus  
specifications – Part 5-21: Application layer service  
definition – Type 21 elements

IEC 61158-5-22:2010  
Industrial communication networks – Fieldbus  
specifications – Part 5-22: Application layer service  
definition – Type 22 elements

IEC 62541-3:2010  
OPC unified architecture – Part 3: Address Space  
Model

## Europska normizacija

- EN 61784-3-1:2010  
Industrial communication networks – Profiles – Part 3-1: Functional safety fieldbuses – Additional specifications for CPF 1 (IEC 61784-3-1:2010)
- EN 61784-3-2:2010  
Industrial communication networks – Profiles – Part 3-2: Functional safety fieldbuses – Additional specifications for CPF 2 (IEC 61784-3-2:2010)
- EN 61784-3-3:2010  
Industrial communication networks – Profiles – Part 3-3: Functional safety fieldbuses – Additional specifications for CPF 3 (IEC 61784-3-3:2010)
- EN 61784-3-6:2010  
Industrial communication networks – Profiles – Part 3-6: Functional safety fieldbuses – Additional specifications for CPF 6 (IEC 61784-3-6:2010)
- EN 61784-3-8:2010  
Industrial communication networks – Profiles – Part 3-8: Functional safety fieldbuses – Additional specifications for CPF 8 (IEC 61784-3-8:2010)
- EN 61784-3-12:2010  
Industrial communication networks – Profiles – Part 3-12: Functional safety fieldbuses – Additional specifications for CPF 12 (IEC 61784-3-12:2010)
- EN 61784-3-13:2010  
Industrial communication networks – Profiles – Part 3-13: Functional safety fieldbuses – Additional specifications for CPF 13 (IEC 61784-3-13:2010)
- EN 61784-3-14:2010  
Industrial communication networks – Profiles – Part 3-14: Functional safety fieldbuses – Additional specifications for CPF 14 (IEC 61784-3-14:2010)
- CLC/TR 62541-1:2010  
OPC unified architecture – Part 1: Overview and concepts (IEC/TR 62541-1:2010)
- CLC/TR 62541-2:2010  
OPC unified architecture – Part 2: Security model (IEC/TR 62541-2:2010)

## 35.240.60 Primjene IT-a u prijevozu i trgovini

### Međunarodna normizacija (ISO)

- ISO 14223-2:2010  
Radiofrequency identification of animals – Advanced transponders – Part 2: Code and command structure
- ISO 24101-2:2010  
Intelligent transport systems – Communications access for land mobiles (CALM) – Application management – Part 2: Conformance test

### Europska normizacija

- EN 50159:2010  
Railway applications – Communication, signalling and processing systems – Safety-related communication in transmission systems

## 35.240.99 Primjene IT-a u drugim područjima

### Međunarodna normizacija (ISO)

- ISO 15143-1:2010  
Earth-moving machinery and mobile road construction machinery – Worksite data exchange – Part 1: System architecture

ISO 15143-2:2010

Earth-moving machinery and mobile road construction machinery – Worksite data exchange – Part 2: Data dictionary

### Europska normizacija

- EN 61968-11:2010  
Application integration at electric utilities – System interfaces for distribution management – Part 11: Common information model (CIM) extensions for distribution (IEC 61968-11:2010)

## 37.020 Optička oprema

### Međunarodna normizacija (ISO)

- ISO 15529:2010  
Optics and photonics – Optical transfer function – Principles of measurement of modulation transfer function (MTF) of sampled imaging systems
- ISO 10110-8:2010  
Optics and photonics – Preparation of drawings for optical elements and systems – Part 8: Surface texture; roughness and waviness
- ISO 11382:2010  
Optics and photonics – Optical materials and components – Characterization of optical materials used in the infrared spectral range from 0,78 μm to 25 μm

## 37.040.20 Fotografski papir, filmovi i kazete

### Međunarodna normizacija (ISO)

- ISO 18911:2010  
Imaging materials – Processed safety photographic films – Storage practices

## 37.080 Primjene u preslikavanju dokumenata

### Međunarodna normizacija (ISO)

- ISO 12029:2010  
Document management – Machine-readable paper forms – Optimal design for user friendliness and electronic document management systems (EDMS)

## 37.100.01 Grafička tehnika općenito

### Međunarodna normizacija (ISO)

- ISO 12646:2008/Amd 1:2010  
Graphic technology – Displays for colour proofing – Characteristics and viewing conditions

## 37.100.10 Oprema za umnožavanje

### Europska normizacija

- EN 1010-2:2006+A1:2010  
Safety of machinery – Safety requirements for the design and construction of printing and paper converting machines – Part 2: Printing and varnishing machines including pre-press machinery

## **37.100.99 Druge norme koje se odnose na grafičku tehniku**

### **Međunarodna normizacija (ISO)**

ISO 16612-2:2010  
Graphic technology — Variable data exchange —  
Part 2: Using PDF/X-4 and PDF/X-5 (PDF/VT-1 and  
PDF/VT-2)

## **39.040.10 Ručni i džepni satovi**

### **Međunarodna normizacija (ISO)**

ISO 22810:2010  
Horology — Water-resistant watches

## **43.020 Cestovna vozila općenito**

### **Međunarodna normizacija (ISO)**

ISO 8721:2010  
Road vehicles — Measurement techniques in impact  
tests — Optical instrumentation

## **43.040.10 Električna i elektronička oprema**

### **Međunarodna normizacija (ISO)**

ISO 15031-2:2010  
Road vehicles — Communication between vehicle and  
external equipment for emissions-related diagnostics  
— Part 2: Guidance on terms, definitions, abbreviations  
and acronyms

ISO 15031-6:2010  
Road vehicles — Communication between vehicle and  
external equipment for emissions-related diagnostics  
— Part 6: Diagnostic trouble code definitions

ISO 11452-11:2010  
Road vehicles — Component test methods for  
electrical disturbances from narrowband radiated  
electromagnetic energy — Part 11: Reverberation  
chamber

### **Europska normizacija**

CLC/TR 50436-3:2010  
Alcohol interlocks — Test methods and performance  
requirements — Part 3: Guidance for decision makers,  
purchasers and users

## **43.040.15 Informatika automobila. Računalni sustavi na vozilu**

### **Međunarodna normizacija (ISO)**

ISO 26022:2010  
Road vehicles — Ergonomic aspects of transport  
information and control systems — Simulated lane  
change test to assess in-vehicle secondary task  
demand

## **43.040.40 Sustavi kočenja**

### **Međunarodna normizacija (ISO)**

ISO 6312:2010  
Road vehicles — Brake linings — Shear test procedure  
for disc brake pad and drum brake shoe assemblies

## **43.040.70 Kvačila**

### **Međunarodna normizacija (ISO)**

ISO 1726-3:2010  
Road vehicles — Mechanical couplings between  
tractors and semi-trailers — Part 3: Requirements for  
semi-trailer contact area to fifth wheel

## **43.080.10 Kamioni i prikolice**

### **Međunarodna normizacija (ISO)**

ISO 27955:2010  
Road vehicles — Securing of cargo in passenger  
cars, station wagons and multi-purpose vehicles —  
Requirements and test methods

## **43.100 Osobna vozila. Stambene prikolice i lake prikolice**

### **Međunarodna normizacija (ISO)**

ISO 27955:2010  
Road vehicles — Securing of cargo in passenger  
cars, station wagons and multi-purpose vehicles —  
Requirements and test methods

## **43.160 Vozila za posebne namjene**

### **Europska normizacija**

EN 1865-1:2010  
Patient handling equipment used in road ambulances  
— Part 1: General stretcher systems and patient  
handling equipment

## **43.180 Oprema za dijagnostiku, održavanje i ispitivanje**

### **Europska normizacija**

EN 1493:2010  
Vehicle lifts

## **45.020 Željeznička tehnika općenito**

### **Europska normizacija**

EN 50159:2010  
Railway applications — Communication, signalling and  
processing systems — Safety-related communication  
in transmission systems

## **45.060.01 Željeznička tračna vozila. Općenito**

### **Međunarodna normizacija (IEC)**

IEC 61881-1:2010  
Railway applications — Rolling stock equipment —  
Capacitors for power electronics — Part 1: Paper/  
plastic film capacitors

IEC 62498-3:2010  
Railway applications — Environmental conditions for  
equipment — Part 3: Equipment for signalling and  
telecommunications



## Europska normizacija

EN 61373:2010

Railway applications – Rolling stock equipment – Shock and vibration tests (IEC 61373:2010)

## 45.060.10 Željeznička tračna vučna vozila

### Međunarodna normizacija (IEC)

IEC 62498-1:2010

Railway applications – Environmental conditions for equipment – Part 1: Equipment on board rolling stock

## 47.020.01 Brodogradnja i pomorske konstrukcije. Općenito

### Međunarodna normizacija (ISO)

ISO/PAS 30005:2010

Ships and marine technology – Ship recycling management systems – Information control for hazardous materials in the manufacturing chain of shipbuilding and ship operations

## 47.020.10 Trupovi i njihovi sastavni elementi

### Europska normizacija

EN ISO 12215-8:2009/AC:2010

Small craft – Hull construction and scantlings – Part 8: Rudders – Technical Corrigendum 1 (ISO 12215-8:2009/Cor 1:2010)

## 47.020.20 Brodski mostovi i propulzijski sustavi

### Međunarodna normizacija (ISO)

ISO/PAS 13613:2010

Ships and marine technology – Maintenance and testing to reduce losses in critical systems for propulsion

## 47.020.60 Električna oprema brodova i pomorskih konstrukcija

### Međunarodna normizacija (IEC)

IEC 61892-1:2010

Mobile and fixed offshore units – Electrical installations – Part 1: General requirements and conditions

IEC 61892-5:2010

Mobile and fixed offshore units – Electrical installations – Part 5: Mobile units

## 47.020.70 Oprema za navigaciju i upravljanje

### Međunarodna normizacija (IEC)

IEC 62376:2010

Maritime navigation and radiocommunication equipment and systems – Electronic chart system (ECS) – Operational and performance requirements, methods of testing and required test results

## 47.020.99 Druge norme koje se odnose na brodogradnju i pomorske konstrukcije

### Međunarodna normizacija (ISO)

ISO/PAS 28002:2010

Security management systems for the supply chain – Development of resilience in the supply chain – Requirements with guidance for use

## 47.080 Mali plovni objekti

### Međunarodna normizacija (ISO)

ISO 12215-8:2009/Cor 1:2010

Small craft – Hull construction and scantlings – Part 8: Rudders; Technical Corrigendum 1

### Europska normizacija

EN ISO 12215-8:2009/AC:2010

Small craft – Hull construction and scantlings – Part 8: Rudders – Technical Corrigendum 1 (ISO 12215-8:2009/Cor 1:2010)

## 49.025.10 Čelici

### Europska normizacija

EN 4655:2010

Aerospace series – Steel FE-PM1506 (X1CrNiMoAlTi12-10-2) – Vacuum induction melted and consumable electrode remelted – Solution treated and precipitation treated – Bars –  $a$  or  $D \leq 200$  mm –  $R_m \geq 1\,400$  MPa

EN 4700-001:2010

Aerospace series – Steel and heat resisting alloys – Wrought products – Technical specification – Part 001: Plate, sheet and strip

EN 4700-002:2010

Aerospace series – Steel and heat resisting alloys – Wrought products – Technical specification – Part 002: Bar and section

EN 4700-003:2010

Aerospace series – Steel and heat resisting alloys – Wrought products – Technical specification – Part 003: Tube

EN 4700-005:2010

Aerospace series – Steel and heat resisting alloys – Wrought products – Technical specification – Part 005: Forging stock

EN 4700-006:2010

Aerospace series – Steel and heat resisting alloys – Wrought products – Technical specification – Part 006: Pre-production and production forgings

## 49.030.30 Matice

### Međunarodna normizacija (ISO)

ISO 12273:2010

Aerospace – Nuts, anchor, self-locking, floating, self-aligning, two lug, with MJ threads, classifications: 900 MPa (at ambient temperature)/235 degrees C, 900 MPa (at ambient temperature)/315 degrees C and 900 MPa (at ambient temperature)/425 degrees C – Dimensions

## Europska normizacija

- EN 4673-001:2010  
Aerospace series — Inserts, UNJ threads, self-locking, with self-broaching keys — Part 001: Installation and removal procedure
- EN 4673-002:2010  
Aerospace series — Inserts, UNJ threads, self-locking, with self-broaching keys — Part 002: Design standard
- EN 4673-003:2010  
Aerospace series — Inserts, UNJ threads, self-locking, with self-broaching keys — Part 003: Technical specification
- EN 4673-004:2010  
Aerospace series — Inserts, UNJ threads, self-locking, with self-broaching keys — Part 004: In heat resisting nickel base alloy NI-P100HT (Inconel 718), silver plating
- EN 4673-005:2010  
Aerospace series — Inserts, UNJ threads, self-locking, with self-broaching keys — Part 005: In heat resisting nickel base alloy NI-P101HT (WASPALLOY), silver plating
- EN 4673-006:2010  
Aerospace series — Inserts, UNJ threads, self-locking, with self-broaching keys — Part 006: In heat resisting steel FE-PA2601 (A286), MoS<sub>2</sub> coated

## 49.040 Premazivanje i srodni procesi koji se upotrebljavaju u zrakoplovnoj industriji

### Europska normizacija

- EN 2434-001:2010  
Aerospace series — Paints and varnishes — Two component cold curing polyurethane finish — Part 001: Basic requirements
- EN 2434-002:2010  
Aerospace series — Paints and varnishes — Two component cold curing polyurethane finish — Part 002: High chemical resistance
- EN 2434-003:2010  
Aerospace series — Paints and varnishes — Two component cold curing polyurethane finish — Part 003: Flexible and high fluid resistance for interior
- EN 2434-004:2010  
Aerospace series — Paints and varnishes — Two component cold curing polyurethane finish — Part 004: High flexibility
- EN 4473:2010  
Aerospace series — Aluminium pigmented coatings for fasteners — Technical specification

## 49.060 Zrakoplovna električna oprema i sustavi

### Europska normizacija

- EN 3475-100:2010  
Aerospace series — Cables, electrical, aircraft use — Test methods — Part 100: General

## 49.080 Zrakoplovni fluidički sustavi i sastavnice

### Međunarodna normizacija (ISO)

- ISO 12573:2010  
Aircraft — Tubing tolerances — Inch series

## 49.090 Oprema i instrumenti u zrakoplovu

### Europska normizacija

- EN 303 213-1 V1.2.1  
Advanced Surface Movement Guidance and Control System (A-SMGCS) — Part 1: Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for A-SMGCS Level 1 including external interfaces

## 49.140 Svemirski sustavi i radnje

### Međunarodna normizacija (ISO)

- ISO 15856:2010  
Space systems — Space environment — Simulation guidelines for radiation exposure of non-metallic materials
- ISO 10537:2010  
Space data and information transfer systems — Encapsulation service
- ISO 13526:2010  
Space data and information transfer systems — Tracking data message
- ISO 13527:2010  
Space data and information transfer systems — XML formatted data unit (XFDU) structure and construction rules
- ISO 13541:2010  
Space data and information transfer systems — Attitude data messages
- ISO 15893:2010  
Space data and information transfer systems — Space communications protocol specification (SCPS) — Transport protocol (SCPS-TP)
- ISO 22647:2010  
Space data and information transfer systems — Space link identifiers
- ISO 26872:2010  
Space systems — Disposal of satellites operating at geosynchronous altitude

## 53.020.20 Dizalice

### Europska normizacija

- EN 13135-2:2004+A1:2010  
Cranes — Equipment — Part 2: Non-electrotechnical equipment

## 53.020.30 Pribor za opremu za dizanje

### Međunarodna normizacija (ISO)

- ISO 4309:2010  
Cranes — Wire ropes — Care and maintenance, inspection and discard

## 53.020.99 Druga oprema za dizanje

### Europska normizacija

- EN 1493:2010  
Vehicle lifts

## 53.100 Strojevi za zemljane radove

### Međunarodna normizacija (ISO)

- ISO 15143-1:2010  
Earth-moving machinery and mobile road construction machinery — Worksite data exchange — Part 1: System architecture
- ISO 15143-2:2010  
Earth-moving machinery and mobile road construction machinery — Worksite data exchange — Part 2: Data dictionary
- ISO 21507:2010  
Earth-moving machinery — Performance requirements for non-metallic fuel tanks

## 55.020 Pakiranje i raspacavanje roba općenito

### Europska normizacija

- CEN/TR 13910:2010  
Packaging — Report on criteria and methodologies for life cycle analysis of packaging

## 55.180.10 Kontejneri opće namjene

### Međunarodna normizacija (ISO)

- ISO 17712:2010  
Freight containers — Mechanical seals

## 55.180.40 Kompleti, plombirani prijevozni paketi

### Europska normizacija

- EN ISO 4180:2010  
Packaging — Complete, filled transport packages — General rules for the compilation of performance test schedules (ISO 4180:2009)

## 59.060.01 Tekstilna vlakna općenito

### Europska normizacija

- EN 15930:2010  
Fibres — Elasticity of fibres — Test methods

## 59.080.01 Tekstili općenito

### Međunarodna normizacija (ISO)

- ISO 10617:2010  
Textiles — Standard data format for colorimetric communication — Textiles and related measurements

## 59.080.20 Prediva

### Međunarodna normizacija (ISO)

- ISO 2061:2010  
Textiles — Determination of twist in yarns — Direct counting method

### Europska normizacija

- EN ISO 2061:2010  
Textiles — Determination of twist in yarns — Direct counting method (ISO 2061:2010)

## 59.080.50 Užad

### Međunarodna normizacija (ISO)

- ISO 2307:2010  
Fibre ropes — Determination of certain physical and mechanical properties
- ISO 9554:2010  
Fibre ropes — General specifications

### Europska normizacija

- EN ISO 2307:2010  
Fibre ropes — Determination of certain physical and mechanical properties (ISO 2307:2010)
- EN ISO 9554:2010  
Fibre ropes — General specifications (ISO 9554:2010)

## 59.140.40 Strojevi i oprema za proizvodnju kože i krzna

### Europska normizacija

- EN 13113:2002+A1:2010  
Tannery machines — Roller coating machines — Safety requirements

## 61.060 Obuća

### Međunarodna normizacija (ISO)

- ISO/TR 16178:2010  
Footwear — Critical substances potentially present in footwear and footwear components

### Europska normizacija

- CEN ISO/TR 16178:2010  
Footwear — Critical substances potentially present in footwear and footwear components (ISO/TR 16178:2010)

## 65.020.30 Stočarstvo i uzgoj stoke

### Međunarodna normizacija (ISO)

- ISO 14223-2:2010  
Radiofrequency identification of animals — Advanced transponders — Part 2: Code and command structure

## 65.080 Gnojiva

### Europska normizacija

- EN 15928:2010  
Fertilizers — Determination of the fineness of grinding (dry procedure)

## 65.160 Duhan, duhanski proizvodi i odgovarajuća oprema

### Međunarodna normizacija (ISO)

- ISO 12863:2010  
Standard test method for assessing the ignition propensity of cigarettes

## Europska normizacija

EN ISO 12863:2010  
Standard test method for assessing the ignition propensity of cigarettes (ISO 12863:2010)

## 67.060 Žitarice, mahunjače i proizvodi od žitarica i mahunjača

### Europska normizacija

EN ISO 24333:2009/AC:2010  
Cereals and cereal products — Sampling (ISO 24333:2009)

## 67.120.10 Meso i mesni proizvodi

### Međunarodna normizacija (ISO)

ISO 13720:2010  
Meat and meat products — Enumeration of presumptive *Pseudomonas* spp.

### Europska normizacija

EN ISO 13720:2010  
Meat and meat products — Enumeration of presumptive *Pseudomonas* spp. (ISO 13720:2010)

## 67.220.10 Mirodije i začini

### Međunarodna normizacija (ISO)

ISO 3632-2:2010  
Spices — Saffron (*Crocus sativus* L.) — Part 2: Test methods

## 71.100.20 Plinovi za industrijsku primjenu

### Međunarodna normizacija (ISO)

ISO 10156:2010/Cor 1:2010  
Gases and gas mixtures — Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets; Technical Corrigendum 1

## 71.100.35 Kemikalije za dezinfekciju u industriji i kućanstvima

### Europska normizacija

EN 1276:2009/AC:2010  
Chemical disinfectants and antiseptics — Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas — Test method and requirements (phase 2, step 1)

EN 1656:2009/AC:2010  
Chemical disinfectants and antiseptics — Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in the veterinary area — Test method and requirements (phase 2, step 1)

EN 13623:2010  
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)

## 71.100.70 Kozmetika. Drogerijska roba

### Međunarodna normizacija (ISO)

ISO 10873:2010  
Dentistry — Denture adhesives

ISO 11609:2010  
Dentistry — Dentifrices — Requirements, test methods and marking

### Europska normizacija

EN ISO 10873:2010  
Dentistry — Denture adhesives (ISO 10873:2010)

EN ISO 11609:2010  
Dentistry — Dentifrices — Requirements, test methods and marking (ISO 11609:2010)

## 71.100.80 Kemikalije za pročišćivanje vode

### Europska normizacija

EN 15795:2010  
Products used for treatment of water intended for human consumption — Natural unexpanded aluminosilicates

## 73.060.10 Željezne rude

### Međunarodna normizacija (ISO)

ISO 4701:2008/Cor 1:2010  
Iron ores and direct reduced iron — Determination of size distribution by sieving

## 73.060.99 Druge rude crnih kovina

### Međunarodna normizacija (ISO)

ISO 11790:2010  
Copper, lead, zinc and nickel concentrates — Guidelines for the inspection of mechanical sampling systems

## 73.100.30 Oprema za bušenje i iskopavanje rudnika

### Europska normizacija

EN 1710:2005+A1:2008/AC:2010  
Equipment and components intended for use in potentially explosive atmospheres in underground mines

## 75.160.20 Ukapljena goriva

### Europska normizacija

EN 15938:2010  
Automotive fuels — Ethanol blending component and ethanol (E85) automotive fuel — Determination of electrical conductivity



## 75.180.01 Oprema za naftnu industriju i industriju prirodnoga plina općenito

### Međunarodna normizacija (ISO)

ISO 21457:2010

Petroleum, petrochemical and natural gas industries – Materials selection and corrosion control for oil and gas production systems

### Europska normizacija

EN ISO 21457:2010

Petroleum, petrochemical and natural gas industries – Materials selection and corrosion control for oil and gas production systems (ISO 21457:2010)

## 75.180.10 Oprema za iskorištavanje i vađenje

### Međunarodna normizacija (ISO)

ISO 13628-1:2005/Amd 1:2010

Petroleum and natural gas industries – Design and operation of subsea production systems – Part 1: General requirements and recommendations – Amendment 1: Revised Clause 6

ISO 28781:2010

Petroleum and natural gas industries – Drilling and production equipment – Subsurface barrier valves and related equipment

ISO 13680:2010

Petroleum and natural gas industries – Corrosion-resistant alloy seamless tubes for use as casing, tubing and coupling stock – Technical delivery conditions

### Međunarodna normizacija (IEC)

IEC 61892-1:2010

Mobile and fixed offshore units – Electrical installations – Part 1: General requirements and conditions

IEC 61892-5:2010

Mobile and fixed offshore units – Electrical installations – Part 5: Mobile units

### Europska normizacija

EN ISO 13628-1:2005/A1:2010

Petroleum and natural gas industries – Design and operation of subsea production systems – Part 1: General requirements and recommendations – Amendment 1: Revised Clause 6 (ISO 13628-1:2005/Amd 1:2010)

EN ISO 28781:2010

Petroleum and natural gas industries – Drilling and production equipment – Subsurface barrier valves and related equipment (ISO 28781:2010)

EN ISO 13680:2010

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

## 77.060 Hrdanje kovina

### Međunarodna normizacija (ISO)

ISO 8993:2010

Anodizing of aluminium and its alloys – Rating system for the evaluation of pitting corrosion – Chart method

### Europska normizacija

EN ISO 8993:2010

Anodizing of aluminium and its alloys – Rating system for the evaluation of pitting corrosion – Chart method (ISO 8993:2010)

## 77.120.30 Bakar i bakrene slitine

### Europska normizacija

EN 15023-3:2010

Copper and copper alloys – Determination of nickel content – Part 3: Flame atomic absorption spectrometric method (FAAS)

EN 15025:2010

Copper and copper alloys – Determination of magnesium content – Flame atomic absorption spectrometric method (FAAS)

EN 15915:2010

Copper and copper alloys – Determination of silver content – Flame atomic absorption spectrometric method (FAAS)

EN 15916-2:2010

Copper and copper alloys – Determination of tellurium content – Part 2: Medium tellurium content – Flame atomic absorption spectrometric method (FAAS)

## 77.140.50 Proizvodi i poluproizvodi od ravnog čelika

### Međunarodna normizacija (IEC)

IEC/TR 62581:2010

Electrical steel – Methods of measurement of the magnetostriction characteristics by means of single sheet and Epstein test specimens

## 77.160 Metalurgija praha

### Međunarodna normizacija (ISO)

ISO 11876:2010

Hardmetals – Determination of calcium, copper, iron, potassium, magnesium, manganese, sodium, nickel and zinc in cobalt metal powders – Flame atomic absorption spectrometric method

### Europska normizacija

EN ISO 11876:2010

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)

## 79.040 Drvo, trupci i piljena građa

### Europska normizacija

EN 408:2010

Timber structures – Structural timber and glued laminated timber – Determination of some physical and mechanical properties

## 79.060.20 Ploče vlaknatice i ploče iverice

### Europska normizacija

EN 312:2010  
Particleboards — Specifications

## 79.060.99 Druge ploče s drvenom osnovom

### Međunarodna normizacija (ISO)

ISO 22390:2010  
Timber structures — Laminated veneer lumber — Structural properties

### Europska normizacija

EN 408:2010  
Timber structures — Structural timber and glued laminated timber — Determination of some physical and mechanical properties

## 79.080 Drveni poluproizvodi

### Europska normizacija

EN 1533:2010  
Wood flooring — Determination of bending strength under static load — Test methods

## 79.100 Pluto i pluteni proizvodi

### Međunarodna normizacija (ISO)

ISO 2219:2010  
Thermal insulation products for buildings — Factory-made products of expanded cork (ICB) — Specification

## 81.040.20 Građevno staklo

### Međunarodna normizacija (ISO)

ISO 20492-3:2010  
Glass in buildings — Insulating glass — Part 3: Gas concentration and gas leakage  
ISO 20492-4:2010  
Glass in buildings — Insulating glass — Part 4: Methods of test for the physical attributes of edge seals

## 81.060.30 Keramika

### Međunarodna normizacija (ISO)

ISO 10678:2010  
Fine ceramics (advanced ceramics, advanced technical ceramics) — Determination of photocatalytic activity of surfaces in an aqueous medium by degradation of methylene blue

## 83.040.10 Lateks i sirova guma

### Međunarodna normizacija (ISO)

ISO 2004:2010  
Natural rubber latex concentrate — Centrifuged or creamed, ammonia-preserved types — Specifications

## 83.040.20 Sastojci gume

### Međunarodna normizacija (ISO)

ISO 6472:2010  
Rubber compounding ingredients — Symbols and abbreviated terms  
ISO 28343:2010  
Rubber compounding ingredients — Process oils — Determination of glass transition temperature by DSC

## 83.060 Guma

### Međunarodna normizacija (ISO)

ISO 813:2010  
Rubber, vulcanized or thermoplastic — Determination of adhesion to a rigid substrate — 90 degree peel method  
ISO 34-1:2010  
Rubber, vulcanized or thermoplastic — Determination of tear strength — Part 1: Trouser, angle and crescent test pieces  
ISO 48:2010  
Rubber, vulcanized or thermoplastic — Determination of hardness (hardness between 10 IRHD and 100 IRHD)  
ISO 4647:2010  
Rubber, vulcanized — Determination of static adhesion to textile cord — H-pull test  
ISO 4649:2010  
Rubber, vulcanized or thermoplastic — Determination of abrasion resistance using a rotating cylindrical drum device

## 83.080.10 Termostatična gradiva

### Međunarodna normizacija (ISO)

ISO 18280:2010  
Plastics — Epoxy resins — Test methods

## 83.080.20 Termoplastična gradiva

### Međunarodna normizacija (ISO)

ISO 27547-1:2010  
Plastics — Preparation of test specimens of thermoplastic materials using mouldless technologies — Part 1: General principles, and laser sintering of test specimens

## 83.180 Adhezivi

### Međunarodna normizacija (ISO)

ISO 20152-1:2010  
Timber structures — Bond performance of adhesives — Part 1: Basic requirements  
ISO 13007-1:2010  
Ceramic tiles — Grouts and adhesives — Part 1: Terms, definitions and specifications for adhesives  
ISO 13007-2:2010  
Ceramic tiles — Grouts and adhesives — Part 2: Test methods for adhesives

### Europska normizacija

EN 15275:2007/AC:2010  
Structural adhesives — Characterisation of anaerobic adhesives for co-axial metallic assembly in building and civil engineering structures

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)

## 85.080.30 Karton

### Međunarodna normizacija (ISO)

ISO 3039:2010

Corrugated fibreboard — Determination of grammage of the component papers after separation

## 85.100 Oprema za papirnu industriju

### Europska normizacija

EN 1010-2:2006+A1:2010

Safety of machinery — Safety requirements for the design and construction of printing and paper converting machines — Part 2: Printing and varnishing machines including pre-press machinery

## 91.060.01 Elementi građevina općenito

### Europska normizacija

EN 13823:2010

Reaction to fire tests for building products — Building products excluding floorings exposed to the thermal attack by a single burning item

## 91.060.40 Dimnjaci, okna, kanali

### Europska normizacija

EN 15287-1:2007+A1:2010

Chimneys — Design, installation and commissioning of chimneys — Part 1: Chimneys for non-roomsealed heating appliances

## 91.080.01 Konstrukcije zgrada općenito

### Međunarodna normizacija (ISO)

ISO 13822:2010

Bases for design of structures — Assessment of existing structures

## 91.080.20 Drvene konstrukcije

### Međunarodna normizacija (ISO)

ISO 20152-1:2010

Timber structures — Bond performance of adhesives — Part 1: Basic requirements

ISO 22390:2010

Timber structures — Laminated veneer lumber — Structural properties

## 91.100.01 Građevna gradiva općenito

### Europska normizacija

EN 13823:2010

Reaction to fire tests for building products — Building products excluding floorings exposed to the thermal attack by a single burning item

## 91.100.10 Cement. Gips. Vapno. Žbuka

### Međunarodna normizacija (ISO)

ISO 13007-3:2010

Ceramic tiles — Grouts and adhesives — Part 3: Terms, definitions and specifications for grouts

ISO 13007-4:2010

Ceramic tiles — Grouts and adhesives — Part 4: Test methods for grouts

### Europska normizacija

EN 459-1:2010

Building lime — Part 1: Definitions, specifications and conformity criteria

EN 459-2:2010

Building lime — Part 2: Test methods

EN 998-1:2010

Specification for mortar for masonry — Part 1: Rendering and plastering mortar

EN 998-2:2010

Specification for mortar for masonry — Part 2: Masonry mortar

## 91.100.23 Keramičke pločice

### Međunarodna normizacija (ISO)

ISO 13007-1:2010

Ceramic tiles — Grouts and adhesives — Part 1: Terms, definitions and specifications for adhesives

ISO 13007-2:2010

Ceramic tiles — Grouts and adhesives — Part 2: Test methods for adhesives

ISO 13007-3:2010

Ceramic tiles — Grouts and adhesives — Part 3: Terms, definitions and specifications for grouts

ISO 13007-4:2010

Ceramic tiles — Grouts and adhesives — Part 4: Test methods for grouts

## 91.100.30 Beton i betonski proizvodi

### Međunarodna normizacija (ISO)

ISO 1920-10:2010

Testing of concrete — Part 10: Determination of static modulus of elasticity in compression

## 91.100.50 Veziva. Brtvena gradiva

### Međunarodna normizacija (ISO)

ISO 8394-1:2010

Building construction — Jointing products — Part 1: Determination of extrudability of sealants

ISO 8394-2:2010

Building construction — Jointing products — Part 2: Determination of extrudability of sealants using standardized apparatus

## 91.100.60 Gradiva za toplinsku i zvučnu izolaciju

### Međunarodna normizacija (ISO)

ISO 2219:2010

Thermal insulation products for buildings — Factory-made products of expanded cork (ICB) — Specification

## 91.120.10 Toplinska izolacija

### Europska normizacija

EN 15193:2007/AC:2010

Energy performance of buildings – Energy requirements for lighting

## 91.120.20 Akustika u zgradama. Zvučna izolacija

### Međunarodna normizacija (ISO)

ISO 10140-1:2010

Acoustics – Laboratory measurement of sound insulation of building elements – Part 1: Application rules for specific products

ISO 10140-2:2010

Acoustics – Laboratory measurement of sound insulation of building elements – Part 2: Measurement of airborne sound insulation

ISO 10140-3:2010

Acoustics – Laboratory measurement of sound insulation of building elements – Part 3: Measurement of impact sound insulation

ISO 10140-4:2010

Acoustics – Laboratory measurement of sound insulation of building elements – Part 4: Measurement procedures and requirements

ISO 10140-5:2010

Acoustics – Laboratory measurement of sound insulation of building elements – Part 5: Requirements for test facilities and equipment

ISO 10848-4:2010

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

### Europska normizacija

EN ISO 10848-4:2010

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 10140-1:2010

Acoustics – Laboratory measurement of sound insulation of building elements – Part 1: Application rules for specific products (ISO 10140-1:2010)

EN ISO 10140-2:2010

Acoustics – Laboratory measurement of sound insulation of building elements – Part 2: Measurement of airborne sound insulation (ISO 10140-2:2010)

EN ISO 10140-3:2010

Acoustics – Laboratory measurement of sound insulation of building elements – Part 3: Measurement of impact sound insulation (ISO 10140-3:2010)

EN ISO 10140-4:2010

Acoustics – Laboratory measurement of sound insulation of building elements – Part 4: Measurement procedures and requirements (ISO 10140-4:2010)

EN ISO 10140-5:2010

Acoustics – Laboratory measurement of sound insulation of building elements – Part 5: Requirements for test facilities and equipment (ISO 10140-5:2010)

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 15186-3:2010

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)

## 91.140.30 Sustavi prozračivanja i klimatizacije

### Europska normizacija

EN 13141-2:2010

Ventilation for buildings – Performance testing of components/products for residential ventilation – Part 2: Exhaust and supply air terminal devices

## 91.140.40 Sustavi opskrbe plinom

### Europska normizacija

EN 1555-1:2010

Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 1: General

EN 1555-2:2010

Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 2: Pipes

EN 1555-3:2010

Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 3: Fittings

EN 1555-5:2010

Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 5: Fitness for purpose of the system

## 91.140.50 Sustavi opskrbe strujom

### Europska normizacija

HD 60364-7-702:2010

Low-voltage electrical installations – Part 7-702: Requirements for special installations or locations – Swimming pools and fountains (IEC 60364-7-702:2010 (Modified))

## 91.140.65 Oprema za grijanje vode

### Europska normizacija

EN 13203-3:2010

Solar supported gas-fired domestic appliances producing hot water – Appliances not exceeding 70 kW heat input and 500 litres water storage capacity – Part 3: Assessment of energy consumption

## 91.220 Građevna oprema

### Europska normizacija

EN 13309:2010

Construction machinery – Electromagnetic compatibility of machines with internal power supply

EN 12629-1:2000+A1:2010

Machines for the manufacture of constructional products from concrete and calcium-silicate – Safety – Part 1: Common requirements

EN 12629-2:2002+A1:2010

Machines for the manufacture of constructional products from concrete and calcium-silicate – Safety – Part 2: Block making machines



- EN 12629-3:2002+A1:2010  
Machines for the manufacture of constructional products from concrete and calcium-silicate – Safety – Part 3: Slide and turntable machines
- EN 12629-4:2001+A1:2010  
Machines for the manufacture of constructional products from concrete and calcium-silicate – Safety – Part 4: Concrete roof tile making machines
- EN 12629-5-1:2003+A1:2010  
Machines for the manufacture of constructional products from concrete and calcium-silicate – Safety – Part 5-1: Pipe making machines manufacturing in the vertical axis
- EN 12629-5-2:2003+A1:2010  
Machines for the manufacture of constructional products from concrete and calcium-silicate – Safety – Part 5-2: Pipe making machines manufacturing in the horizontal axis
- EN 12629-5-3:2003+A1:2010  
Machines for the manufacture of constructional products from concrete and calcium-silicate – Safety – Part 5-3: Pipe prestressing machines
- EN 12629-5-4:2003+A1:2010  
Machines for the manufacture of constructional products from concrete and calcium-silicate – Safety – Part 5-4: Concrete pipe coating machines
- EN 12629-6:2004+A1:2010  
Machines for the manufacture of constructional products from concrete and calcium-silicate – Safety – Part 6: Stationary and mobile equipment for the manufacture of precast reinforced products
- EN 12629-7:2004+A1:2010  
Machines for the manufacture of constructional products from concrete and calcium-silicate – Safety – Part 7: Stationary and mobile equipment for long line manufacture of prestressed products
- EN 12629-8:2002+A1:2010  
Machines for the manufacture of constructional products from concrete and calcium-silicate – Safety – Part 8: Machines and equipment for the manufacture of constructional products from calcium-silicate (and concrete)

## **93.020 Zemljani radovi. Iskopavanje. Temeljenje. Podzemni radovi**

### **Europska normizacija**

- EN 1536:2010  
Execution of special geotechnical work – Bored piles
- EN 1538:2010  
Execution of special geotechnical work – Diaphragm walls

## **93.030 Vanjska kanalizacija**

### **Europska normizacija**

- EN 14982:2006+A1:2010  
Plastics piping and ducting systems – Thermoplastics shafts or risers for inspection chambers and manholes – Determination of ring stiffness

## **93.080.20 Sredstva za cestogradnju**

### **Europska normizacija**

- EN 13285:2010  
Unbound mixtures – Specifications

## **97.030 Kućanska električna oprema općenito**

### **Međunarodna normizacija (IEC)**

- IEC 60335-1 Corr.1:2010  
Corrigendum 1 – Household and similar electrical appliances – Safety - Part 1: General requirements

## **97.040.20 Štednjaci, radni stolovi, pećnice i slični uređaji**

### **Međunarodna normizacija (IEC)**

- IEC 60335-2-25:2010  
Household and similar electrical appliances – Safety – Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens

### **Europska normizacija**

- EN 60335-2-90:2006/A1:2010  
Household and similar electrical appliances – Safety – Part 2-90: Particular requirements for commercial microwave ovens (IEC 60335-2-90:2006/A1:2010)

## **97.080 Uređaji za čišćenje podova**

### **Međunarodna normizacija (IEC)**

- IEC 60312-1:2010  
Vacuum cleaners for household use – Part 1: Dry vacuum cleaners – Methods for measuring the performance
- IEC 60312-2:2010  
Vacuum cleaners for household use – Part 2: Wet cleaning appliances – Methods of measuring the performance

## **97.150 Netekstilni podni prekrivači**

### **Međunarodna normizacija (ISO)**

- ISO 10595:2010  
Resilient floor coverings – Semi-flexible/ vinyl composition (VCT) poly(vinyl chloride) floor tiles – Specification
- ISO 26986:2010  
Resilient floor coverings – Expanded (cushioned) poly(vinyl chloride) floor covering – Specification

### **Europska normizacija**

- EN 1533:2010  
Wood flooring – Determination of bending strength under static load – Test methods

## **97.190 Kućanska oprema za djecu**

### **Europska normizacija**

- EN 12227:2010  
Playpens for domestic use – Safety requirements and test methods

## 97.195 Umjetnički i obrtnički predmeti

### Europska normizacija

- EN 15757:2010  
Conservation of Cultural Property — Specifications for temperature and relative humidity to limit climate-induced mechanical damage in organic hygroscopic materials
- EN 15758:2010  
Conservation of Cultural Property — Procedures and instruments for measuring temperatures of the air and the surfaces of objects
- EN 15886:2010  
Conservation of cultural property — Test methods — Colour measurement of surfaces

## 97.220.10 Športski objekti

### Europska normizacija

- EN 15288-1:2008+A1:2010  
Swimming pools — Part 1: Safety requirements for design
- HD 60364-7-702:2010  
Low-voltage electrical installations — Part 7-702: Requirements for special installations or locations — Swimming pools and fountains (IEC 60364-7-702:2010 (Modified))

## 97.220.40 Oprema za športove na otvorenom i športove na vodi

### Europska normizacija

- EN 1069-1:2010  
Water slides — Part 1: Safety requirements and test methods
- EN 1069-2:2010  
Water slides — Part 2: Instructions
- EN 15312:2007+A1:2010  
Free access multi-sports equipment — Requirements, including safety and test methods