



# ICS edition 7

International Classification  
**for Standards**



# International Classification **for Standards**

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# Introduction

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## 1 - Purpose of the ICS

**1.1** The ICS (International Classification for Standards) is intended to serve as a structure for catalogues of international, regional and national standards and other normative documents, and as a basis for standing-order systems for international, regional and national standards. It may also be used for classifying standards and normative documents in databases, libraries, etc.

**1.2** The ICS should facilitate the harmonization of information and ordering tools such as catalogues, selective lists, bibliographies, and databases on magnetic and optical media, thus promoting the world-wide dissemination of international, regional and national standards and other normative documents.

## 2 - Description of the ICS

**2.1** For the purposes of this document, the general term “standard” is applied to all international, regional and national normative documents, such as standards, technical reports, standardized profiles, technical specifications, technical regulations, guides, codes of practice, technology trends assessments, etc. and the drafts of such documents.

**2.2** The ICS is a hierarchical classification which consists of three levels.

**2.3** Level 1 covers 40 fields of activity in standardization, e.g. road vehicle engineering, agriculture, metallurgy. Each field has a two-digit notation, e.g.

### **43 ROAD VEHICLE ENGINEERING**

**2.4** The fields are subdivided into 392 groups (level 2). The notation of a group consists of the field notation and a three-digit group number, separated by a point, e.g.

#### **43.040 Road vehicle systems**

**2.5** 144 of the 392 groups are further divided into 909 sub-groups (level 3). The notation of a sub-group consists of the group notation and a two-digit number, separated by a point, e.g.

##### **43.040.20** *Lighting, signalling and warning devices*

**2.6** A number of group and sub-group titles are followed by scope notes and/or reference notes, indicated by asterisks and printed in italics in the ICS. A scope note, as a rule, lists subjects covered by a given group/sub-group or defines the subject of a given group/sub-group. A reference note refers to a subject, related to a given group/sub-group, which is covered by another group/sub-group.

**2.7** All groups divided into sub-groups contain, with a few exceptions, a sub-group which covers the complete subject of the respective group. Such general subject sub-groups have notations terminating with “.01”. For example, the group

**07.100** *Microbiology*

contains as a first sub-group

**07.100.01** *Microbiology in general*

which shall include standards covering the subject of microbiology in general, e.g. the standard

*ISO 21528-1:2004, Microbiology of food and animal feeding stuffs – Horizontal methods for the detection and enumeration of Enterobacteriaceae – Part 1: Detection and enumeration by MPN technique with pre-enrichment*

while standards covering medical microbiology, microbiology of water, food microbiology or cosmetics microbiology shall be included respectively in other specific sub-groups: 07.100.10, 07.100.20, 07.100.30 or 07.100.40.

**2.8** Most of the groups divided into sub-groups contain a sub-group having the notation terminating with “.99”. Such sub-groups include standards on subjects which do not correspond either to the subjects of the general sub-groups or to the subjects of the specific sub-groups of the respective groups. For example, the subject of the standard

*ISO 10945:1994, Hydraulic fluid power – Gas-loaded accumulators – Dimensions of gas ports*

does not correspond either to the subject of the sub-group

**23.100.01** *Fluid power systems in general*

or to the specific subjects of the sub-groups

**23.100.10** *Pumps and motors*

**23.100.20** *Cylinders*

**23.100.40** *Piping and couplings*

**23.100.50** *Control components*

**23.100.60** *Filters, seals and contamination of fluids*

In this case, it shall be included in the sub-group

**23.100.99** *Other fluid power system components*

The above rule does not apply in the ICS if all standards related to a group can be included either in the general sub-group or in the specific sub-groups.

For example, the group

**21.100** *Bearings*

contains the general subject sub-group

**21.100.01** *Bearings in general*

and specific sub-groups

**21.100.10** *Plain bearings*

#### **21.100.20** *Rolling bearings*

The group does not contain a sub-group

#### **21.100.99** *Other bearings*

since all bearings belong only to two types of bearings : plain bearings and rolling bearings.

### **3 - Rules for the use of the ICS**

**3.1** The latest edition of the ICS with the subsequent issues of the ICS Update should be used for indexing standards and other normative documents and their drafts. Before indexing standards for the first time, the indexer should first carefully study the present rules and the ICS structure.

**3.2** Standards should be classified according to their subjects. The indexer should first identify the appropriate field for a given subject, then allocate the appropriate group notation, and, further, the sub-group's notation if the group is subdivided. For example, the standard

*ISO 3412:1992, Road vehicles – Screened and waterproof spark-plugs and their connections – Types 1A and 1B*

belongs to the field

#### **43 ROAD VEHICLE ENGINEERING**

The appropriate group within the field is

#### **43.060 Internal combustion engines for road vehicles**

and the appropriate sub-group within the group is

#### **43.060.50** *Electrical equipment. Control systems*

If the field of application of a standard is not clear from its content, indexers may take into account the scopes of the relevant technical committee, subcommittee and working group responsible for the development of the standard.

**3.3** The alphabetical index of the ICS may be used as a supplementary tool for identifying the appropriate field, group, sub-group, but the notations found in the index shall be carefully verified against the systematic table. The reason is that only the systematic table contains the full information relating to a group notation, such as its title, the field to which it belongs, the subdivision into sub-groups, sometimes the scope note, and the reference note(s) showing its relationship with other group(s) or sub-group(s). Otherwise errors in indexing may occur.

**3.4** It is recommended to use all levels available for classifying a given standard. For example, the standards

*ISO 5358:1992, Anaesthetic machines for use with humans*

*ISO 7864:1993, Sterile hypodermic needles for single use*

*ISO 7740:1985, Instruments for surgery – Scalpels with detachable blades – Fitting dimensions*

should be classified respectively in sub-groups 11.040.10, 11.040.25 and 11.040.30 (level 3); it is not recommended to allocate notation 11.040 (level 2) to the above standards since it may create difficulties in the exchange of ICS data between databases and will impede application of the ICS in multinational information systems.

**3.5** Standards classified according to this classification may be included in more than one group or sub-group; e.g. the standard

*ISO 7686:2005, Plastics pipes and fittings – Determination of opacity*

shall be included in the two sub-groups

**23.040.20** *Plastics pipes*

**23.040.45** *Plastics fittings*

while the standard

*ISO 8159:1987, Textiles – Morphology of fibres and yarns – Vocabulary*

shall be included in the three sub-groups

**01.040.59** *Textile and leather technology (Vocabularies)*

**59.060.01** *Textile fibres in general*

**59.080.20** *Yarns*

However, it is recommended to avoid the allocation of more than four notations to one document.

**3.6** Standards included in the groups

**01.040** **Vocabularies**

**01.060** **Quantities and units**

**01.070** **Colour coding**

**01.075** **Character symbols**

and the sub-groups

**01.080.20** *Graphical symbols for use on specific equipment*

**01.080.30** *Graphical symbols for use on mechanical engineering and construction drawings, diagrams, plans, maps and in other technical product documentation*

**01.080.40** *Graphical symbols for use on electrical and electronics engineering drawings, diagrams, charts and in relevant technical product documentation*

**01.080.50** *Graphical symbols for use on information technology and telecommunications technical drawings and in relevant technical product documentation*

**17.140.20** *Noise emitted by machines and equipment*

**17.140.30** *Noise emitted by means of transport*

shall also be included in other groups and/or sub-groups according to their subjects; e.g. the standard



*ISO 1942:2009, Dentistry – Vocabulary*

shall be included in the two sub-groups

**01.040.11** *Health care technology (Vocabularies)*

**11.060.01** *Dentistry in general*

while the standard

*ISO 6405-1:2004, Earth-moving machinery – Symbols for operator controls and other displays – Part 1: Common symbols*

shall be included both in the sub-group

**01.080.20** *Graphical symbols for use on specific equipment*

and in the group

### **53.100 Earth-moving machinery**

**3.7** A standard containing definitions which apply only for the purpose of that standard shall not be classified into the group

#### **01.040 Vocabularies**

**3.8** Amendments, addenda and technical corrigenda to a standard shall have the same notations as the standard itself.

**3.9** Standards for systems, components, spare parts and materials used for specific equipment, machines and installations should be classified in the respective groups and sub-groups containing standards for the equipment, machines and installations if the ICS does not contain groups or sub-groups specially designated for classifying the relevant systems, components, spare parts and materials. For example, standard

*ISO 5696:1984, Trailed agricultural vehicles – Brakes and braking devices – Laboratory test method*

should be included in the sub-group

**65.060.10** *Agricultural tractors and trailed vehicles*

since the ICS does not contain a group/sub-group for braking systems of agricultural machinery, while the standard

*ISO 4251-1:2005, Tyres (ply rating marked series) and rims for agricultural tractors and machines – Part 1: Tyre designation and dimensions, and approved rim contours*

should be included in the sub-group

**83.160.30** *Tyres for agricultural machinery*

**3.10** Where a group is further subdivided into sub-groups, only the notations of the sub-groups shall be allocated to standards, e.g. the standard

*ISO 4254-1:2013, Agricultural machinery – Safety – Part 1: General requirements*

shall be classified under the title of the sub-group

**65.060.01** *Agricultural machines and equipment in general*

and not under the title of the group

## **65.060 Agricultural machines, implements and equipment**

**3.11** If the subject of a standard covers two or more sub-groups within a group which contains only these sub-groups plus sub-groups with notations terminating with “.01” and/or “.99”, i.e. the subject covers all of the specific sub-groups, that standard shall be classified under the sub-group which has the notation terminating with “.01”, e.g. the standard

*ISO 4829-1:1986, Steel and cast iron – Determination of total silicon content – Reduced molybdosilicate spectrophotometric method – Part 1: Silicon contents between 0.05 and 1.0%*

shall be classified under the title of the sub-group

**77.080.01** *Ferrous metals in general*

and not under the titles of the sub-groups

**77.080.10** *Irons*

**77.080.20** *Steels*

since irons and steels completely cover the ferrous metals subject.

Similarly, the standard

*ISO 6632:1981, Fruits, vegetables and derived products – Determination of volatile acidity*

shall be classified under the title of the sub-group

**67.080.01** *Fruits, vegetables and derived products in general*

and not under the title of the sub-groups

**67.080.10** *Fruits and derived products*

**67.080.20** *Vegetables and derived products*

since

### **67.080 Fruits. Vegetables**

contains only

**67.080.01** *Fruits, vegetables and derived products in general*

**67.080.10** *Fruits and derived products*

**67.080.20** *Vegetables and derived products*

**3.12** A sub-group, or a group which does not have sub-groups, may be further subdivided by the user into respectively either several units (level 4) or new sub-groups (level 3). For the purpose of distinguishing subdivisions (units or new sub-groups) from those given in the classification, new notations shall be created using a hyphen as a separator, followed by a two-digit number; e.g. the group

### **53.100 Earth-moving machinery**

may be subdivided into the following new sub-groups

**53.100-01** *Earth-moving machinery in general*

**53.100-10** *Tractors*

**53.100-20** *Excavators*

**53.100-30** *Loaders*

**53.100-40** *Graders*

**53.100-99** *Other earth-moving machinery*

However, such subdivisions should be used very restrictively and avoided wherever possible. The preferred solution should be to address the question to the ISO Central Secretariat which is responsible for the maintenance and development of the ICS.

**3.13** A semicolon should be used for separating notations in printed documents. To provide consistency in the presentation of notations, they should be sorted in ascending numerical order, e.g. ICS notations for ISO 8159:1987 should be indicated as follows: ICS 01.040.59; 59.060.01; 59.080.20.

For data exchange, the rules set up in the second edition (1998) of the *ISONET Manual* should be used.

**3.14** Fields

## **21 MECHANICAL SYSTEMS AND COMPONENTS FOR GENERAL USE**

## **23 FLUID SYSTEMS AND COMPONENTS FOR GENERAL USE**

and also the fields and the groups for which the scopes contain an indication that this field or group includes standards for general use, e.g.

### **13.110 Safety of machinery**

\*This group includes standards only for general use

shall contain only standards for general use which may be applied by different industries. For example, the standard

*ISO 10317:2008, Rolling bearings – Tapered roller bearings – Designation system*

which may be applied by different industries, shall be included in the sub-group

**21.100.20** *Rolling bearings*

while standards

*ISO 6045:1987, Shipbuilding and marine structures – Bearings for derrick goosenecks – Assemblies and components*

and

*ISO 14204:1998, Aerospace – Airframe ball bearings, double-row, rigid, diameter series 0 – Metric series*

which are designated for application by specific industries, shall be included respectively in the sub-groups related to those industries, namely

**47.020.40** *Lifting and cargo handling equipment*

and

**49.035** *Components for aerospace construction*

The standard

*ISO 6259-1:1997, Thermoplastics pipes – Determination of tensile properties – Part 1: General test method*

which is applied for general purposes and may be used by different industries, shall be included in the sub-group

**23.040.20** *Plastic pipes*

while the standard

*ISO 6993-1:2006, Buried, high-impact poly(vinyl chloride) (PVC-HI) piping systems for the supply of gaseous fuels – Part 1: Pipes for a maximum operating pressure of 1 bar (100 kPa)*

which is designated for specific purposes of natural gas handling, shall be included respectively in the group related to those specific purposes (from the point of view of using the product) and in the sub-group related to the relevant type of product (from the point of view of manufacturing the product), namely

**75.200** *Petroleum products and natural gas handling equipment*

and

**83.140.30** *Plastic pipes and fittings for non fluid use*

The standard

*ISO 12100:2010, Safety of machinery – General principles for design – Risk assessment and risk reduction*

shall be included in the group

### **13.110 Safety of machinery**

while the standard

*ISO 4254-1:2013, Agricultural machinery– Safety – Part 1: General requirements*

shall not be included in the above group since it is designated for use by only one industry, the agricultural machinery engineering sector; the standard shall be included in the sub-group

**65.060.01** *Agricultural machines and equipment in general*

**3.15** If a group/sub-group has a reference note to another group/sub-group, the standards related to the subject indicated in the relevant reference note shall be classified in the referenced group/sub-group. For example, the sub-group

**81.060.20** *Ceramic products*

contains the reference note

\*Sanitary ceramic products, see 91.140.70

therefore, standards for sanitary ceramic products shall be classified into the sub-group

**91.140.70** *Sanitary installations*

and not into the sub-group

**81.060.20** *Ceramic products*

**3.16** If an international standard is adopted as a regional and/or national standard, the regional and/or national standard shall have the notation(s) allocated to the international standard. Similarly, if a regional standard is adopted as a national standard, the latter shall have the notation(s) allocated to the regional standard.

**3.17** In general, to provide worldwide consistency in indexing, indexers should be guided by the practices of allocation of ICS notations applied for international standards (in the first place) and regional standards.

**3.18** Identified errors in indexing due to misallocation of ICS notations, transposing of figures in ICS notations, typographical errors, etc. should be notified to the organization concerned.

## **4 - Updating of the ICS**

**4.1** The classification is updated according to needs. Any user may submit proposals for modifications and/or additions to the ICS. Such proposals should be sent to the ISO Central Secretariat at the following address:

### **International Organization for Standardization**

ISO Central Secretariat  
BIBC II  
Chemin de Blandonnet 8  
CP 401  
1214 Vernier, Geneva  
Switzerland  
E-mail: [central@iso.org](mailto:central@iso.org)  
Tel.: +41 22 749 01 11

**4.2** All proposals received will be considered and their authors will be informed on any follow-up action.

## **5 - How to use the ICS index**

**5.1** The ICS index is presented in a KWIC (key-word-in-context) form. The titles of all fields/groups/sub-groups, scope notes and reference notes (when they do not repeat the titles of corresponding fields/groups/sub-groups) appear under all words (keywords) which they contain with the exception of stop-words. These are words which are not significant for search purposes. They include prepositions and such words as “and”, “some”, “other”, “any”, “device”, “standard”, “designation”, “sampling” and so on.

**5.2** The keywords (printed in bold characters) are arranged in alphabetical order in a single column down the page.

**5.3** Keywords are separated from their titles by a bullet symbol (•)

**5.4** Notations of fields/groups/sub-groups are given at the left hand column. According to their numbers, corresponding fields/groups/sub-groups are easily identified in the systematic table of fields, groups and sub-groups.

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# Systematic table of fields, groups and sub-groups

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# 01

## **GENERALITIES. TERMINOLOGY. STANDARDIZATION. DOCUMENTATION**

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### **01.020 Terminology (principles and coordination)**

\*Including terminography

### **01.040 Vocabularies**

\*Standards included in this group shall also be included in other groups and/or sub-groups according to their subject

**01.040.01** *Generalities. Terminology. Standardization. Documentation (Vocabularies)*

**01.040.03** *Services. Company organization, management and quality. Administration. Transport. Sociology. (Vocabularies)*

**01.040.07** *Natural and applied sciences (Vocabularies)*

**01.040.11** *Health care technology (Vocabularies)*

**01.040.13** *Environment. Health protection. Safety (Vocabularies)*

**01.040.17** *Metrology and measurement. Physical phenomena (Vocabularies)*

**01.040.19** *Testing (Vocabularies)*

**01.040.21** *Mechanical systems and components for general use (Vocabularies)*

**01.040.23** *Fluid systems and components for general use (Vocabularies)*

**01.040.25** *Manufacturing engineering (Vocabularies)*

**01.040.27** *Energy and heat transfer engineering (Vocabularies)*

**01.040.29** *Electrical engineering (Vocabularies)*

**01.040.31** *Electronics (Vocabularies)*

**01.040.33** *Telecommunications. Audio and video engineering (Vocabularies)*

**01.040.35** *Information technology (Vocabularies)*

**01.040.37** *Image technology (Vocabularies)*

**01.040.39** *Precision mechanics. Jewellery (Vocabularies)*

**01.040.43** *Road vehicle engineering (Vocabularies)*

**01.040.45** *Railway engineering (Vocabularies)*

- 01.040.47** *Shipbuilding and marine structures (Vocabularies)*
- 01.040.49** *Aircraft and space vehicle engineering (Vocabularies)*
- 01.040.53** *Materials handling equipment (Vocabularies)*
- 01.040.55** *Packaging and distribution of goods (Vocabularies)*
- 01.040.59** *Textile and leather technology (Vocabularies)*
- 01.040.61** *Clothing industry (Vocabularies)*
- 01.040.65** *Agriculture (Vocabularies)*
- 01.040.67** *Food technology (Vocabularies)*
- 01.040.71** *Chemical technology (Vocabularies)*
- 01.040.73** *Mining and minerals (Vocabularies)*
- 01.040.75** *Petroleum and related technologies (Vocabularies)*
- 01.040.77** *Metallurgy (Vocabularies)*
- 01.040.79** *Wood technology (Vocabularies)*
- 01.040.81** *Glass and ceramics industries (Vocabularies)*
- 01.040.83** *Rubber and plastics industries (Vocabularies)*
- 01.040.85** *Paper technology (Vocabularies)*
- 01.040.87** *Paint and colour industries (Vocabularies)*
- 01.040.91** *Construction materials and building (Vocabularies)*
- 01.040.93** *Civil engineering (Vocabularies)*
- 01.040.95** *Military Affairs. Military engineering. Weapons (Vocabularies)*
- 01.040.97** *Domestic and commercial equipment. Entertainment. Sports (Vocabularies)*

## **01.060 Quantities and units**

\*Standards included in this group shall also be included in other groups and/or sub-groups according to their subject

## **01.070 Colour coding**

\*Standards included in this group shall also be included in other groups and/or sub-groups according to their subject

\*Safety colours in the context of graphical symbols, see **01.080.10**

## **01.075 Character symbols**

\*Standards included in this group shall also be included in other groups and/or sub-groups according to their subject

## **01.080 Graphical symbols**

**01.080.01** *Graphical symbols in general*

**01.080.10** *Public information symbols. Signs. Plates. Labels*

\*Including safety signs, safety colours, etc.

**01.080.20** *Graphical symbols for use on specific equipment*

\*Standards included in this group shall also be included in other groups and/or sub-groups according to their subject

**01.080.30** *Graphical symbols for use on mechanical engineering and construction drawings, diagrams, plans, maps and in relevant technical product documentation*

\*Standards included in this group shall also be included in other groups and/or sub-groups according to their subject

**01.080.40** *Graphical symbols for use on electrical and electronics engineering drawings, diagrams, charts and in relevant technical product documentation*

\*Standards included in this group shall also be included in other groups and/or sub-groups according to their subject

**01.080.50** *Graphical symbols for use on information technology and telecommunications technical drawings and in relevant technical product documentation*

\*Standards included in this group shall also be included in other groups and/or sub-groups according to their subject

**01.080.99** *Other graphical symbols*

**01.100 Technical drawings**

\*Graphical symbols for use on technical drawings, see **01.080.30**

\*Computer-aided design, see **35.240.10**

**01.100.01** *Technical drawings in general*

**01.100.20** *Mechanical engineering drawings*

**01.100.25** *Electrical and electronics engineering drawings*

\*Including electrical tables, diagrams and charts

**01.100.27** *Technical drawings for telecommunications and information technology fields*

**01.100.30** *Construction drawings*

\*Including civil engineering drawings

**01.100.40** *Drawing equipment*

**01.100.99** *Other standards related to technical drawings*

**01.110 Technical product documentation**

\*Including rules for preparation of user guides, manuals, product specifications, etc.

**01.120 Standardization. General rules**

\*Including rules for the preparation of standards catalogues and management of technical documents

**01.140 Information sciences. Publishing**

\*Information technology applications in information, documentation and publishing, see **35.240.30**

**01.140.10** *Writing and transliteration*

\*Coded character sets for bibliographic information interchange, see **35.040.10**

**01.140.20** *Information sciences*

\*Including documentation, librarianship and archive systems

**01.140.30** *Documents in administration, commerce and industry*

\*Technical product documentation, see 01.110

\*Banking documents, see 03.060

\*Electronic data interchange (EDI), see 35.240.60

**01.140.40** *Publishing*

\*Electronic publishing, see 35.240.30

# 03

## **SERVICES. COMPANY ORGANIZATION. MANAGEMENT AND QUALITY. ADMINISTRATION. TRANSPORT. SOCIOLOGY**

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### **03.020 Sociology. Demography**

### **03.040 Labour. Employment**

\* Working environment, see 13.040.30 and 13.180

### **03.060 Finances. Banking. Monetary systems. Insurance**

\* Including personal financial planning

\* Information technology applications in banking, see 35.240.40

### **03.080 Services**

\* Transport, see 03.220

\* Postal services, see 03.240

#### **03.080.01** *Services in general*

#### **03.080.10** *Maintenance services. Facilities management*

\* Including cleaning and pest control

\* Sterilization and disinfection in health care, see 11.080

#### **03.080.20** *Services for companies*

\* Including publicity, advertising, professional services, recruitment services, management consultancy, outsourcing, etc.

\* Outsourcing as part of a company organization, see 03.100.01

\* Staff training and staff certification, see 03.100.30

#### **03.080.30** *Services for consumers*

\* Including hotels, restaurants, washing, cleaning, removals, funerals, real estate, vehicle repair and servicing, furniture removals, services for elderly, sheltered housing etc.

\* Services for dementia care, assisted living, see 11.020.10

\* Transport services and costs, see 03.220

\* Consumer information, see 97.020

#### **03.080.99** *Other services*

## **03.100 Company organization and management. Management systems**

### **03.100.01** *Company organization and management in general*

\* Including legal aspects and risk management, societal security, outsourcing

\* Outsourcing as a business to business service, see **03.080.20**

\* Management systems, see **03.100.70**

\* Security and protection against crime, see **13.310**

### **03.100.02** *Governance and ethics*

\* Including anti-bribery, anti-procurement fraud, corporate social responsibility

### **03.100.10** *Purchasing. Procurement. Logistics*

\* Including asset management, supply chain, etc.

### **03.100.20** *Trade. Commercial function. Marketing*

\* E-commerce, see **35.240.60**

### **03.100.30** *Management of human resources*

\* Including staff training, staff responsibilities, staff qualifications and certification

\* Welders' qualifications, see **25.160.01**

### **03.100.40** *Research and development*

\* Including project management, value analysis, etc.

### **03.100.50** *Production. Production management*

### **03.100.60** *Accountancy*

### **03.100.70** *Management systems*

\* Standards included in this sub-group shall also be included in other groups and/or sub-groups according to their subject

\* Including environmental management systems (EMS), road traffic management systems, energy management systems, health care management systems, etc.

### **03.100.99** *Other standards related to company organization and management*

## **03.120 Quality**

### **03.120.01** *Quality in general*

\* Including general aspects related to reliability and maintainability

### **03.120.10** *Quality management and quality assurance*

\* Quality management systems, see **03.100.70**

### **03.120.20** *Product and company certification. Conformity assessment*

\* Including laboratory accreditation and audit programmes and auditing

### **03.120.30** *Application of statistical methods*

### **03.120.99** *Other standards related to quality*

## **03.140 Patents. Intellectual property**

## **03.160 Law. Administration**

\* Including flags and associated symbols (emblems) of political and administrative entities, military flags, flags of organizations, etc.

\* This group includes standards for general use



### **03.180 Education**

\* E-learning, see 35.240.90

### **03.200 Leisure. Tourism**

\* Camping equipment, see 97.200.30

#### **03.200.01** *Leisure and tourism in general*

\* Including outdoor events management, tourist information offices, tourism services, hotels, etc.

#### **03.200.10** *Adventure tourism*

#### **03.200.99** *Other standards relating to leisure and tourism*

\* Including recreational diving services

### **03.220 Transport**

\* Transport of dangerous goods, see 13.300

#### **03.220.01** *Transport in general*

#### **03.220.20** *Road transport*

\* Including road transport services

\* Road traffic management system, see 03.100.70

\* Road traffic control equipment and installations, see 93.080.30

#### **03.220.30** *Transport by rail*

\* Including rail transport services

\* Rail traffic control equipment and installations, see 93.100

#### **03.220.40** *Transport by water*

\* Including water transport services

\* Water transport control equipment and installations, see 93.140

#### **03.220.50** *Air transport*

\* Including air transport services

\* Air transport control equipment and installations, see 93.120

#### **03.220.99** *Other forms of transport*

### **03.240 Postal services**

\* Including postal equipment, post-boxes and letter-boxes, etc.

# 07

## NATURAL AND APPLIED SCIENCES

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### **07.020 Mathematics**

\* Application of statistical methods in quality assurance, see 03.120.30

### **07.030 Physics. Chemistry**

\* This group includes standards in the field of physics and chemistry as natural sciences

\* Applied physics, see 17

\* Chemical technology, see 71

### **07.040 Astronomy. Geodesy. Geography**

### **07.060 Geology. Meteorology. Hydrology**

### **07.080 Biology. Botany. Zoology**

\* Including biotechnology

### **07.100 Microbiology**

**07.100.01** *Microbiology in general*

**07.100.10** *Medical microbiology*

\* Laboratory medicine, see 11.100

**07.100.20** *Microbiology of water*

\* Examination of biological properties of water, see 13.060.70

**07.100.30** *Food microbiology*

\* Including microbiology of animal feeding stuffs

\* Animal feeding stuffs, see 65.120

\* General methods of tests and analysis for food products, see 67.050

**07.100.40** *Cosmetics microbiology*

**07.100.99** *Other standards related to microbiology*

### **07.120 Nanotechnologies**

### **07.140 Forensic science**

# 11

## HEALTH CARE TECHNOLOGY

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### **11.020 Medical sciences and health care facilities in general**

\* Forensic science, see 07.140

#### **11.020.01** *Quality and environmental management in health care*

\* Including quality and environmental management in health care technology

\* Health care management systems, see 03.100.70

\* IT applications in health care technology, see 35.240.80

#### **11.020.10** *Health care services in general*

\* Including care homes, dementia care, assisted living, aesthetic surgery, chiropractic services, etc.

#### **11.020.20** *Medical science*

\* Including regenerative medicine, cell therapy, stratified medicine

#### **11.020.99** *Other standards related to health care in general*

### **11.040 Medical equipment**

#### **11.040.01** *Medical equipment in general*

#### **11.040.10** *Anaesthetic, respiratory and reanimation equipment*

\* Including medical gas installations

#### **11.040.20** *Transfusion, infusion and injection equipment*

\* Including blood packs and containers for transfusion

\* Syringes, needles and catheters, see 11.040.25

#### **11.040.25** *Syringes, needles and catheters*

#### **11.040.30** *Surgical instruments and materials*

\* Including surgical dressings, sutures, etc.

#### **11.040.40** *Implants for surgery, prosthetics and orthotics*

\* Including pacemakers

\* Ophthalmic implants, see 11.040.70

#### **11.040.50** *Radiographic equipment*

\* Including radiographic diagnostic and therapy equipment

\* In vitro diagnostic systems, see 11.100.10

\* Dental, medical and industrial radiographic films, see 37.040.25

#### **11.040.55** *Diagnostic equipment*

\* Including medical monitoring equipment, medical thermometers and related materials

#### **11.040.60** *Therapy equipment*

**11.040.70** *Ophthalmic equipment*  
\* Including ophthalmic implants, glasses, contact lenses and their cleaning products

**11.040.99** *Other medical equipment*

## **11.060 Dentistry**

**11.060.01** *Dentistry in general*

**11.060.10** *Dental materials*

**11.060.15** *Dental implants*

\* Including dentures

**11.060.20** *Dental equipment*

\* Dental radiographic films, see 37.040.25

\* Toothbrushes and dental floss, see 97.170

**11.060.25** *Dental instruments*

## **11.080 Sterilization and disinfection**

**11.080.01** *Sterilization and disinfection in general*

\* Including sterilization methods, air quality of surgery rooms, etc.

**11.080.10** *Sterilizing equipment*

**11.080.20** *Disinfectants and antiseptics*

\* Including indicators

\* Chemicals for industrial and domestic disinfection purposes, see 71.100.35

**11.080.30** *Sterilized packaging*

**11.080.99** *Other standards related to sterilization and disinfection*

## **11.100 Laboratory medicine**

**11.100.01** *Laboratory medicine in general*

**11.100.10** *In vitro diagnostic test systems*

**11.100.20** *Biological evaluation of medical devices*

\* Medical microbiology, see 07.100.10

**11.100.30** *Analysis of blood and urine*

\* Including doping control

**11.100.99** *Other standards related to laboratory medicine*

## **11.120 Pharmaceuticals**

**11.120.01** *Pharmaceuticals in general*

**11.120.10** *Medicaments*

\* Including medical prescriptions and medicinal herbs

**11.120.20** *Wound dressings and compresses*

**11.120.99** *Other standards related to pharmaceuticals*

\* Including equipment for pharmaceutical industry

**11.140 Hospital equipment**

\* Including hospital beds, surgical tables, medical garments, medical gloves, containers for sharp disposal, etc.

**11.160 First aid**

\* Including kits, equipment, facilities and medical transport for first aid

**11.180 Aids for disabled or handicapped persons**

\* Including aids for elderly people

**11.180.01** *Aids for disabled and handicapped persons in general*

**11.180.10** *Aids and adaptation for moving*

\* Including wheelchairs, walking sticks and lifting platforms

**11.180.15** *Aids for deaf and hearing impaired people*

**11.180.20** *Aids for incontinence and ostomy*

**11.180.30** *Aids for blind or partially sighted people*

\* Including Braille

\* Glasses, contact lenses and their cleaning products, see 11.040.70

**11.180.40** *Aids for drinking and eating*

**11.180.99** *Other standards related to aids for disabled and handicapped people*

**11.200 Birth control. Mechanical contraceptives**

**11.220 Veterinary medicine**

\* Including equipment specific to veterinary medicine

# 13

## **ENVIRONMENT. HEALTH PROTECTION. SAFETY**

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### **13.020 Environmental protection**

\* Energy efficiency, see 27.015

**13.020.01** *Environment and environmental protection in general*

**13.020.10** *Environmental management*

\* Including certification and audit

\* Environmental management systems (EMS), see 03.100.70

**13.020.20** *Environmental economics. Sustainability*

\* Standards included in this sub-group may also be included in other groups and/or subgroups according to their subjects

\* Including responsible sourcing, procurement, sustainable development, sustainable events management, sustainable communities, smart urban infrastructure, biodiversity

**13.020.30** *Environmental impact assessment*

\* Including environmental risk management

**13.020.40** *Pollution, pollution control and conservation*

\* Including ecotoxicology and greenhouse gas emissions

**13.020.50** *Ecolabelling*

**13.020.55** *Biobased products*

**13.020.60** *Product life-cycles*

\* Including environmental footprint, carbon neutrality

**13.020.70** *Environmental projects*

**13.020.99** *Other standards related to environmental protection*

### **13.030 Wastes**

\* Standards for industrial and agricultural wastes should be classified under sub-groups according to their type

**13.030.01** *Wastes in general*

**13.030.10** *Solid wastes*

**13.030.20** *Liquid wastes. Sludge*

\* Sewage water disposal and treatment, see 13.060.30

**13.030.30** *Special wastes*

\* Including radioactive wastes, hospital wastes, carcasses, electrical, electronic equipment and other hazardous wastes

**13.030.40** *Installations and equipment for waste disposal and treatment*

\* Including street cleaning equipment, waste containers, incineration and compaction equipment, equipment for dumping of refuse, landfill sites, etc.

\* Waste collection vehicles, see 43.160

\* Waste chutes, see 91.140.70

\* Food waste disposal units, see 97.040.50

**13.030.50** *Recycling*

\* Including relevant equipment

\* motor vehicle recycling, see 43.020

**13.030.99** *Other standards related to wastes*

\* Including waste prevention

**13.040 Air quality**

**13.040.01** *Air quality in general*

**13.040.20** *Ambient atmospheres*

\* Including indoor air

**13.040.30** *Workplace atmospheres*

\* Air quality of surgery rooms, see 11.080.01

**13.040.35** *Cleanrooms and associated controlled environments*

**13.040.40** *Stationary source emissions*

**13.040.50** *Transport exhaust emissions*

**13.040.99** *Other standards related to air quality*

**13.060 Water quality**

\* Including toxicity, biodegradability, protection against pollution, related installations and equipment

\* Standards for examination of water should be classified under sub-groups according to their type of water

**13.060.01** *Water quality in general*

**13.060.10** *Water of natural resources*

**13.060.20** *Drinking water*

\* Mineral water, see 67.160.20

\* Chemicals for purification of water, see 71.100.80

\* Drinking water supply systems, see 91.140.60

**13.060.25** *Water for industrial use*

\* Including water for commercial use: for swimming pools, fish breeding, etc.

**13.060.30** *Sewage water*

\* Including sewage water disposal and treatment

\* Liquid wastes, see 13.030.20

\* Drainage systems, see 91.140.80

\* Sewage systems, see 93.030

**13.060.45** *Examination of water in general*

\* Including sampling

**13.060.50** *Examination of water for chemical substances*

**13.060.60** *Examination of physical properties of water*

**13.060.70** *Examination of biological properties of water*

\* Microbiology of water, see 07.100.20

**13.060.99** *Other standards related to water quality*

## **13.080 Soil quality. Pedology**

\* Soil properties related to geotechnics, see 93.020

**13.080.01** *Soil quality and pedology in general*

\* Including pollution, erosion, degradation, etc.

**13.080.05** *Examination of soils in general*

\* Including sampling

**13.080.10** *Chemical characteristics of soils*

**13.080.20** *Physical properties of soils*

**13.080.30** *Biological properties of soils*

**13.080.40** *Hydrological properties of soils*

**13.080.99** *Other standards related to soil quality*

\* Including agricultural aspects related to soils and re-use of soil materials

## **13.100 Occupational safety. Industrial hygiene**

\* Protective clothing and equipment, see 13.340

\* Workplace lighting, see 91.160.10

## **13.110 Safety of machinery**

\* This group includes standards for general use

## **13.120 Domestic safety**

\* Child safety, see 97.190

\* Safety of toys, see 97.200.50

## **13.140 Noise with respect to human beings**

\* Including audiometry

\* Hearing protectors, see 13.340.20

\* Acoustics and acoustic measurements, see 17.140

## **13.160 Vibration and shock with respect to human beings**

\* Vibrations, shock and vibration measurements, see 17.160

## **13.180 Ergonomics**



### **13.200 Accident and disaster control**

\* Including emergency evacuations and emergency control systems

\* Seismic and vibration protection of buildings, see 91.120.25

### **13.220 Protection against fire**

#### **13.220.01** *Protection against fire in general*

\* Including fire safety

#### **13.220.10** *Fire-fighting*

\* Including equipment and vehicles

\* Flameproof clothing, see 13.340.10

#### **13.220.20** *Fire protection*

\* Including equipment

#### **13.220.40** *Ignitability and burning behaviour of materials and products*

#### **13.220.50** *Fire-resistance of building materials and elements*

#### **13.220.99** *Other standards related to protection against fire*

### **13.230 Explosion protection**

\* Electrical apparatus for explosive atmospheres, see 29.260.20

\* Explosives and pyrotechnics, see 71.100.30

### **13.240 Protection against excessive pressure**

\* Including safety valves, bursting disc devices, etc.

### **13.260 Protection against electric shock. Live working**

\* Including tools for working with voltages

### **13.280 Radiation protection**

\* Including protection against radio-frequency radiation

\* Radiation measurements, see 17.240

### **13.300 Protection against dangerous goods**

\* Including performance requirements for dangerous goods, their handling, storage, transportation, marking, labelling, etc.

\* Nuclear fissile materials, see 27.120.30

\* Explosives, see 71.100.30

### **13.310 Protection against crime**

\* Including security services, security procedures, burglar alarm devices, burglary resisting materials and equipment, bullet resisting materials and equipment, anti-theft devices for vehicles, safes, strong rooms, etc.

### **13.320 Alarm and warning systems**

\* Burglar alarm and warning systems, see 13.310

\* Warning devices for road vehicles, see 43.040.20

### **13.340 Protective equipment**

\* Occupational safety, see 13.100

- 13.340.01** *Protective equipment in general*
- 13.340.10** *Protective clothing*
  - \* Including flameproof clothing
- 13.340.20** *Head protective equipment*
  - \* Including helmets, eye-protectors, hearing protectors, ear muffs, teeth protectors and hoods.
- 13.340.30** *Respiratory protective devices*
- 13.340.40** *Hand and arm protection*
  - \* Including protective gloves, sleeves and mits
  - \* Medical gloves, see 11.140
- 13.340.50** *Leg and foot protection*
  - \* Including safety boots and shoes
- 13.340.60** *Protection against falling and slipping*
  - \* Including safety ropes, harnesses and fall arrestors
  - \* Mountaineering equipment, see 97.220.40
- 13.340.70** *Lifejackets, buoyancy aids and flotation devices*
- 13.340.99** *Other protective equipment*

# 17

## **METROLOGY AND MEASUREMENT. PHYSICAL PHENOMENA**

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### **17.020 Metrology and measurement in general**

\* Including measuring instruments in general, preferred numbers, standard measures, general aspects of reference materials, etc.

\* Quantities and units, see 01.060

\* Chemical reference materials, see 71.040.30

### **17.040 Linear and angular measurements**

**17.040.01** *Linear and angular measurements in general*

**17.040.10** *Limits and fits*

**17.040.20** *Properties of surfaces*

**17.040.30** *Measuring instruments*

**17.040.40** *Geometrical Product Specification (GPS)*

**17.040.99** *Other standards related to linear and angular measurements*

### **17.060 Measurement of volume, mass, density, viscosity**

\* Including measuring instruments

\* Volumetric measurements of petroleum products and natural gas, see 75.180.30

### **17.080 Measurement of time, velocity, acceleration, angular velocity**

\* Including measuring instruments

\* Time-measuring instruments, see 39.040

### **17.100 Measurement of force, weight and pressure**

\* Including measuring and weighing instruments

### **17.120 Measurement of fluid flow**

\* Including measuring instruments and installations

**17.120.01** *Measurement of fluid flow in general*

**17.120.10** *Flow in closed conduits*

\* Gas meters in buildings, see 91.140.40

\* Water meters in buildings, see 91.140.60

**17.120.20** *Flow in open channels*

\* Including hydrometric determinations

## **17.140 Acoustics and acoustic measurements**

\* Including measuring instruments and testing equipment

\* Noise with respect to human beings, see 13.140

\* Acoustics in building, see 91.120.20

### **17.140.01** *Acoustic measurements and noise abatement in general*

\* Including acoustic insulation

### **17.140.20** *Noise emitted by machines and equipment*

\* Standards included in this group shall also be included in other groups and/or sub-groups according to their subject

### **17.140.30** *Noise emitted by means of transport*

\* Including road noise, railway noise, harbour noise and airport noise

\* Standards included in this group shall also be included in other groups and/or sub-groups according to their subject

### **17.140.50** *Electroacoustics*

\* Including sound level meters

### **17.140.99** *Other standards related to acoustics*

## **17.160 Vibrations, shock and vibration measurements**

\* Including measuring instruments and installations

\* Vibration and shock with respect to human beings, see 13.160

\* Balancing and balancing machines, see 21.120.40

\* Vibration protection of buildings, see 91.120.25

## **17.180 Optics and optical measurements**

### **17.180.01** *Optics and optical measurements in general*

### **17.180.20** *Colours and measurement of light*

### **17.180.30** *Optical measuring instruments*

\* Including spectrometers, geodetic instruments, etc.

\* Ophthalmic optics and instruments, see 11.040.70

\* Laser equipment, see 31.260

\* Fibre optics, see 33.180

\* Optical equipment, materials and components, see 37.020

\* Photographic equipment lenses, see 37.040.10

### **17.180.99** *Other standards related to optics and optical measurements*

## **17.200 Thermodynamics and temperature measurements**

### **17.200.01** *Thermodynamics in general*

### **17.200.10** *Heat. Calorimetry*

### **17.200.20** *Temperature-measuring instruments*

\* Including thermostats

\* Medical thermometers, see 11.040.55

### **17.200.99** *Other standards related to thermodynamics*

## **17.220 Electricity. Magnetism. Electrical and magnetic measurements**

### **17.220.01** *Electricity. Magnetism. General aspects*

\*Including electromagnetism

### **17.220.20** *Measurement of electrical and magnetic quantities*

\*Including measuring instruments, instrument transformers

\*Electric energy meters in buildings, see 91.140.50

### **17.220.99** *Other standards related to electricity and magnetism*

## **17.240 Radiation measurements**

\*Including dosimetry

\*Radiation protection, see 13.280

# 19

## TESTING

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\* This group includes standards for general use

\* Analytical chemistry, see 71.040

### **19.020 Test conditions and procedures in general**

### **19.040 Environmental testing**

\* Including testing equipment

### **19.060 Mechanical testing**

\* Including testing equipment

\* Mechanical testing of metals, see 77.040.10

### **19.080 Electrical and electronic testing**

\* Including testing equipment

\* Equipment for measuring electrical and magnetic quantities, see 17.220.20

### **19.100 Non-destructive testing**

\* Including testing equipment: industrial apparatus for X-ray and gamma radiography, penetrant flaw detectors, etc.

\* Non-destructive testing of welded joints, see 25.160.40

\* Industrial radiographic films, see 37.040.25

\* Non-destructive testing of metals, see 77.040.20

### **19.120 Particle size analysis. Sieving**

\* Including test sieves and porosimetry

# 21

## MECHANICAL SYSTEMS AND COMPONENTS FOR GENERAL USE

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### **21.020 Characteristics and design of machines, apparatus, equipment**

\* Including reliability, dependability, maintainability, durability, etc.

\* Safety of machinery, see 13.110

### **21.040 Screw threads**

\* Screw threads for aerospace construction, see 49.030.10

**21.040.01** *Screw threads in general*

**21.040.10** *Metric screw threads*

**21.040.20** *Inch screw threads*

\* Including Whitworth screw threads

\* Pipe threads, see 21.040.30

**21.040.30** *Special screw threads*

\* Including miniature screw threads, pipe threads, etc.

### **21.060 Fasteners**

\* Fasteners related to surgery, prosthetics and orthotics, see 11.040.40

\* Fasteners for aerospace construction, see 49.030

**21.060.01** *Fasteners in general*

**21.060.10** *Bolts, screws, studs*

**21.060.20** *Nuts*

**21.060.30** *Washers, locking elements*

**21.060.40** *Rivets*

**21.060.50** *Pins, nails*

**21.060.60** *Rings, bushes, sleeves, collars*

**21.060.70** *Clamps and staples*

**21.060.99** *Other fasteners*

### **21.080 Hinges, eyelets and other articulated joints**

### **21.100 Bearings**

**21.100.01** *Bearings in general*

21.100.10 *Plain bearings*

21.100.20 *Rolling bearings*

## **21.120 Shafts and couplings**

21.120.01 *Shafts and couplings in general*

21.120.10 *Shafts*

21.120.20 *Couplings*

21.120.30 *Keys and keyways, splines*

21.120.40 *Balancing and balancing machines*

21.120.99 *Other standards related to shafts and couplings*

## **21.140 Seals, glands**

\*Seals for pipe and hose assemblies, see 23.040.80

## **21.160 Springs**

\*Steel for springs, see 77.140.25

## **21.180 Housings, enclosures, other machine parts**

## **21.200 Gears**

## **21.220 Flexible drives and transmissions**

21.220.01 *Flexible drives and transmissions in general*

21.220.10 *Belt drives and their components*

21.220.20 *Cable or rope drives and their components*

21.220.30 *Chain drives and their components*

21.220.99 *Other flexible drives and transmissions*

## **21.240 Rotary-reciprocating mechanisms and their parts**

\*Including pistons, piston-rings, crankshafts, etc. for general engineering

## **21.260 Lubrication systems**

\*Lubricants, see 75.100



# 23

## FLUID SYSTEMS AND COMPONENTS FOR GENERAL USE

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\* Measurement of fluid flow, see 17.120

### **23.020 Fluid storage devices**

\* Small containers for transportation of fluids and bulk materials, see 55.140

\* Storage devices for petroleum products and natural gas, see 75.200

**23.020.01** *Fluid storage devices in general*

**23.020.10** *Stationary containers and tanks*

**23.020.20** *Vessels and containers mounted on vehicles*

\* Tanker trucks, see 43.080.10

\* Tank wagons, see 45.060.20

\* Tankers, see 47.020.85

\* Small containers for fluids, see 55.140

**23.020.30** *Pressure vessels*

\* Steam pressure vessels, see 27.060.30

\* Steel for pressure purposes, see 77.140.30

**23.020.35** *Gas cylinders*

**23.020.40** *Cryogenic vessels*

**23.020.99** *Other fluid storage devices*

### **23.040 Pipeline components and pipelines**

\* Pipeline components and pipelines for petroleum products and natural gas, see 75.200

**23.040.01** *Pipeline components and pipelines in general*

**23.040.03** *Pipelines and its parts for external water conveyance systems*

**23.040.05** *Pipelines and its parts for external sewage systems*

**23.040.07** *Pipelines and its parts for district heat*

**23.040.10** *Iron and steel pipes*

\* Steel pipes and tubes for specific use, see 77.140.75

**23.040.15** *Non-ferrous metal pipes*

\* Non-ferrous metal pipes and tubes for specific use, see 77.150

**23.040.20** *Plastics pipes*

- 23.040.40 *Metal fittings*
- 23.040.45 *Plastics fittings*
- 23.040.50 *Pipes and fittings of other materials*
- 23.040.60 *Flanges, couplings and joints*
- 23.040.70 *Hoses and hose assemblies*
- 23.040.80 *Seals for pipe and hose assemblies*
- 23.040.99 *Other pipeline components*

## **23.060 Valves**

- 23.060.01 *Valves in general*
- 23.060.10 *Globe valves*
- 23.060.20 *Ball and plug valves*
- 23.060.30 *Gate valves*
- 23.060.40 *Pressure regulators*
  - \* Including pressure-reducers
  - \* Protection against excessive pressure, see 13.240
- 23.060.50 *Check valves*
- 23.060.99 *Other valves*

## **23.080 Pumps**

- \* Pumps for fluid power systems, see 23.100.10
- \* Vacuum pumps, see 23.160

## **23.100 Fluid power systems**

- 23.100.01 *Fluid power systems in general*
- 23.100.10 *Pumps and motors*
- 23.100.20 *Cylinders*
- 23.100.40 *Piping and couplings*
- 23.100.50 *Control components*
  - \* Including valves
- 23.100.60 *Filters, seals and contamination of fluids*
  - \* Hydraulic fluids, see 75.120
- 23.100.99 *Other fluid power system components*

## **23.120 Ventilators. Fans. Air-conditioners**

- \* Marine ventilation and air-conditioning systems, see 47.020.90
- \* Mining ventilation and air-conditioning systems, see 73.100.20
- \* Ventilation and air-conditioning in buildings, see 91.140.30

**23.140 Compressors and pneumatic machines**

\* Compressed air, see 71.100.20

**23.160 Vacuum technology**

\* Including vacuum pumps

# 25

## MANUFACTURING ENGINEERING

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\*This group includes standards for general use

### **25.020 Manufacturing forming processes**

### **25.030 Additive manufacturing**

### **25.040 Industrial automation systems**

\*IT applications in industry, see 35.240.50

**25.040.01** *Industrial automation systems in general*

**25.040.10** *Machining centres*

**25.040.20** *Numerically controlled machines*

**25.040.30** *Industrial robots. Manipulators*

**25.040.40** *Industrial process measurement and control*

**25.040.99** *Other industrial automation systems*

### **25.060 Machine tool systems**

**25.060.01** *Machine tool systems in general*

**25.060.10** *Modular units and other devices*

**25.060.20** *Dividing and tool-workpiece holding devices*

**25.060.99** *Other machine tool systems*

### **25.080 Machine tools**

\*Woodworking machines, see 79.120.10

**25.080.01** *Machine tools in general*

**25.080.10** *Lathes*

**25.080.20** *Boring and milling machines*

**25.080.25** *Planing machines*

**25.080.30** *Broaching machines*

**25.080.40** *Drilling machines*

**25.080.50** *Grinding and polishing machines*

**25.080.60** *Sawing machines*

**25.080.99** *Other machine tools*

## **25.100 Cutting tools**

\* Including industrial diamonds

\* Woodworking tools, see 79.120.20

**25.100.01** *Cutting tools in general*

**25.100.10** *Turning tools*

**25.100.20** *Milling tools*

**25.100.25** *Tools for planing and broaching machines*

**25.100.30** *Drills, countersinks, reamers*

**25.100.40** *Saws*

**25.100.50** *Taps and threading dies*

**25.100.60** *Files*

**25.100.70** *Abrasives*

**25.100.99** *Other cutting tools*

## **25.120 Chipless working equipment**

**25.120.01** *Chipless working equipment in general*

**25.120.10** *Forging equipment. Presses. Shears*

**25.120.20** *Rolling, extruding and drawing equipment*

**25.120.30** *Moulding equipment*

**25.120.40** *Electrochemical machines*

**25.120.99** *Other chipless working equipment*

## **25.140 Hand-held tools**

\* Tools for working with voltages, see 13.260

**25.140.01** *Hand-held tools in general*

**25.140.10** *Pneumatic tools*

**25.140.20** *Electric tools*

\* Chain- and brush-saws, see 65.060.80

**25.140.30** *Hand-operated tools*

\* Including wrenches, screwdrivers, pliers, nippers, hammers, etc.

**25.140.99** *Other hand-held tools*

## **25.160 Welding, brazing and soldering**

\* Including gas welding, electric welding, plasma welding, electron beam welding, plasma cutting, etc.

**25.160.01** *Welding, brazing and soldering in general*

\* Including welders' qualifications

**25.160.10** *Welding processes*

\* Including thermal cutting and cladding

**25.160.20** *Welding consumables*

\* Including electrodes, filler metals, gases, etc.

**25.160.30** *Welding equipment*

\* Including thermal cutting equipment

**25.160.40** *Welded joints and welds*

\* Including welding position and mechanical and non-destructive testing of welded joints

**25.160.50** *Brazing and soldering*

\* Including brazing and soldering alloys and equipment

**25.180 Industrial furnaces**

**25.180.01** *Industrial furnaces in general*

**25.180.10** *Electric furnaces*

**25.180.20** *Fuel furnaces*

**25.200 Heat treatment**

**25.220 Surface treatment and coating**

\* Including processes and equipment for surface treatment and coating

\* Heat treatment, see 25.200

\* Surface treatment and coating in aerospace industry, see 49.040

\* Corrosion of metals, see 77.060

\* Paint coating, see 87.020

**25.220.01** *Surface treatment and coating in general*

**25.220.10** *Surface preparation*

\* Including surface preparation for painting, cleaning, scouring, blasting, etc.

**25.220.20** *Surface treatment*

\* Including anodization, conversion coating, thermal spraying, etc.

**25.220.40** *Metallic coatings*

\* Including electrolytic depositions, cathodic coatings, autocatalytic coatings, etc.

**25.220.50** *Enamels*

**25.220.60** *Organic coatings*

**25.220.99** *Other treatments and coatings*

# 27

## ENERGY AND HEAT TRANSFER ENGINEERING

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### **27.010 Energy and heat transfer engineering in general**

### **27.015 Energy efficiency. Energy conservation in general**

- \* Including energy audits
- \* Energy management systems, see 03.100.70
- \* Energy efficiency of buildings, see 91.120.10

### **27.020 Internal combustion engines**

- \* This group includes standards for general use
- \* Internal combustion engines for current generating sets, see 29.160.40
- \* Internal combustion engines for road vehicles, see 43.060
- \* Marine engines, see 47.020.20

### **27.040 Gas and steam turbines. Steam engines**

- \* Hydraulic turbines, see 27.140

### **27.060 Burners. Boilers**

#### **27.060.01** *Burners and boilers in general*

- \* Burners and boilers for central heating systems, see 91.140.10

#### **27.060.10** *Liquid and solid fuel burners*

#### **27.060.20** *Gas fuel burners*

#### **27.060.30** *Boilers and heat exchangers*

- \* Including steam pressure vessels
- \* Heat exchangers for medical use, see 11.040.10
- \* Heat exchangers for the chemical industry, see 71.120.30
- \* Heat exchangers for the petroleum and natural gas industry, see 75.180.20
- \* Heating appliances for buildings, see 97.100

### **27.070 Fuel cells**

### **27.075 Hydrogen technologies**

- \* Industrial application of gases, see 71.100.20

### **27.080 Heat pumps**

## **27.100 Power stations in general**

- \* Including thermal power plants
- \* Nuclear power plants, see 27.120.20
- \* Hydraulic power plants, see 27.140
- \* Solar power stations, see 27.160
- \* Wind turbine systems, see 27.180

## **27.120 Nuclear energy engineering**

**27.120.01** *Nuclear energy in general*

**27.120.10** *Reactor engineering*

**27.120.20** *Nuclear power plants. Safety*

- \* Radiation protection, see 13.280

**27.120.30** *Fissile materials and nuclear fuel technology*

- \* Including raw materials
- \* Radioactive wastes, see 13.030.30

**27.120.99** *Other standards related to nuclear energy*

## **27.140 Hydraulic energy engineering**

- \* Including hydraulic turbines

## **27.160 Solar energy engineering**

- \* Including photovoltaic energy systems

## **27.180 Wind turbine energy systems**

- \* Including generation of electrical energy

## **27.190 Biological sources and alternative sources of energy**

## **27.200 Refrigerating technology**

- \* Air-conditioners, see 23.120
- \* Refrigerants, see 71.100.45
- \* Household refrigerating appliances, see 97.040.30
- \* Commercial refrigerating appliances, see 97.130.20

## **27.220 Heat recovery. Thermal insulation**

- \* This group includes standards for general use
- \* Thermal insulation of buildings, see 91.120.10



# 29

## ELECTRICAL ENGINEERING

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### **29.020 Electrical engineering in general**

\* Including voltages, general electrical terminology, electrical documentation, electrical tables, safety, fire hazard testing, etc.

\* Electrical diagrams and charts, see 01.100.25

\* Electrical power stations, see 27.100

\* Electromagnetic compatibility, see 33.100

### **29.030 Magnetic materials**

\* Steels with special magnetic properties, see 77.140.40

### **29.035 Insulating materials**

**29.035.01** *Insulating materials in general*

**29.035.10** *Paper and board insulating materials*

**29.035.20** *Plastics and rubber insulating materials*

\* Including adhesive tapes

**29.035.30** *Glass and ceramic insulating materials*

**29.035.50** *Mica based materials*

**29.035.60** *Varnished fabrics*

**29.035.99** *Other insulating materials*

### **29.040 Insulating fluids**

**29.040.01** *Insulating fluids in general*

**29.040.10** *Insulating oils*

**29.040.20** *Insulating gases*

**29.040.99** *Other insulating fluids*

### **29.045 Semiconducting materials**

### **29.050 Superconductivity and conducting materials**

### **29.060 Electrical wires and cables**

**29.060.01** *Electrical wires and cables in general*

**29.060.10** *Wires*  
\* Including electric rods, busbars, etc.

**29.060.20** *Cables*

## **29.080 Insulation**

\* Insulating materials, see 29.035

\* Insulating fluids, see 29.040

**29.080.01** *Electrical insulation in general*

**29.080.10** *Insulators*

\* Including fittings and other components for insulators

**29.080.20** *Bushings*

**29.080.30** *Insulation systems*

**29.080.99** *Other standards related to insulation*

## **29.100 Components for electrical equipment**

\* Electronic components, see 31

**29.100.01** *Components for electrical equipment in general*

**29.100.10** *Magnetic components*

**29.100.20** *Electric and electromechanical components*

**29.100.99** *Other components for electrical equipment*

## **29.120 Electrical accessories**

**29.120.01** *Electrical accessories in general*

**29.120.10** *Conduits for electrical purposes*

**29.120.20** *Connecting devices*

**29.120.30** *Plugs, socket-outlets, couplers*

**29.120.40** *Switches*

**29.120.50** *Fuses and other overcurrent protection devices*

**29.120.70** *Relays*

**29.120.99** *Other electrical accessories*

## **29.130 Switchgear and controlgear**

**29.130.01** *Switchgear and controlgear in general*

**29.130.10** *High voltage switchgear and controlgear*

\* Including enclosed switchgear and controlgear

**29.130.20** *Low voltage switchgear and controlgear*

\* Including switchgear and controlgear assemblies

**29.130.99** *Other switchgear and controlgear*

## **29.140 Lamps and related equipment**

- 29.140.01 Lamps in general*
- 29.140.10 Lamp caps and holders*
- 29.140.20 Incandescent lamps*
- 29.140.30 Fluorescent lamps. Discharge lamps*
- 29.140.40 Luminaires*
- 29.140.50 Lighting installation systems*
  - \* Including supply track systems
- 29.140.99 Other standards related to lamps*

## **29.160 Rotating machinery**

- 29.160.01 Rotating machinery in general*
- 29.160.10 Components for rotating machines*
- 29.160.20 Generators*
- 29.160.30 Motors*
- 29.160.40 Generating sets*
- 29.160.99 Other standards related to rotating machinery*

## **29.180 Transformers. Reactors**

\* Instrument transformers, see 17.220.20

## **29.200 Rectifiers. Converters. Stabilized power supply**

\* Including semiconductor converters

## **29.220 Galvanic cells and batteries**

- 29.220.01 Galvanic cells and batteries in general*
- 29.220.10 Primary cells and batteries*
- 29.220.20 Acid secondary cells and batteries*
- 29.220.30 Alkaline secondary cells and batteries*
- 29.220.99 Other cells and batteries*

## **29.240 Power transmission and distribution networks**

\* Electricity supply systems in buildings, see 91.140.50

- 29.240.01 Power transmission and distribution networks in general*
  - \* Powerline telecommunications, see 33.040.60
- 29.240.10 Substations. Surge arresters*
- 29.240.20 Power transmission and distribution lines*

**29.240.30** *Control equipment for electric power systems*

\* Measuring instruments for electrical quantities, see 17.220.20

**29.240.99** *Other equipment related to power transmission and distribution networks*

\* Including capacitors for power networks

## **29.260 Electrical equipment for working in special conditions**

**29.260.01** *Electrical equipment for working in special conditions in general*

**29.260.10** *Electrical installations for outdoor use*

**29.260.20** *Electrical apparatus for explosive atmospheres*

**29.260.99** *Other electrical equipment for working in special conditions*

## **29.280 Electric traction equipment**

\* Including railway electric fixed installations

\* Electric road vehicles, see 43.120

\* Non-electric railway tractive stock, see 45.060.10

# 31

## ELECTRONICS

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### **31.020 Electronic components in general**

\*Magnetic components, see 29.100.10

### **31.040 Resistors**

**31.040.01** *Resistors in general*

**31.040.10** *Fixed resistors*

**31.040.20** *Potentiometers, variable resistors*

**31.040.30** *Thermistors*

**31.040.99** *Other resistors*

### **31.060 Capacitors**

**31.060.01** *Capacitors in general*

**31.060.10** *Fixed capacitors*

**31.060.20** *Ceramic and mica capacitors*

**31.060.30** *Paper and plastics capacitors*

**31.060.40** *Tantalum electrolytic capacitors*

**31.060.50** *Aluminium electrolytic capacitors*

**31.060.60** *Variable capacitors*

**31.060.70** *Power capacitors*

\*Capacitors for power networks, see 29.240.99

**31.060.99** *Other capacitors*

### **31.080 Semiconductor devices**

\*Semiconducting materials, see 29.045

**31.080.01** *Semiconductor devices in general*

**31.080.10** *Diodes*

**31.080.20** *Thyristors*

**31.080.30** *Transistors*

**31.080.99** *Other semiconductor devices*

**31.100 Electronic tubes**

**31.120 Electronic display devices**

\*Including liquid crystal displays

**31.140 Piezoelectric devices**

**31.160 Electric filters**

**31.180 Printed circuits and boards**

**31.190 Electronic component assemblies**

\*Including preassembled modules

**31.200 Integrated circuits. Microelectronics**

\*Including electronic chips, logical and analogue microstructures

\*Microprocessors, see 35.160

**31.220 Electromechanical components for electronic and telecommunications equipment**

**31.220.01** *Electromechanical components in general*

**31.220.10** *Plug-and-socket devices. Connectors*

**31.220.20** *Switches*

**31.220.99** *Other electromechanical components*

**31.240 Mechanical structures for electronic equipment**

**31.260 Optoelectronics. Laser equipment**

\*Including photoelectric tubes and cells

# 33

## TELECOMMUNICATIONS. AUDIO AND VIDEO ENGINEERING

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### **33.020 Telecommunications in general**

\* Including infrastructure

### **33.030 Telecommunication services. Applications**

\* Including supplementary services, service aspects and associated legal traceability aspects

### **33.040 Telecommunication systems**

\* Including network (system) aspects

#### **33.040.01** *Telecommunication systems in general*

#### **33.040.20** *Transmission systems*

\* Including synchronization, cable systems, integrated cabling, pathways and multiplexing

#### **33.040.30** *Switching and signalling systems*

\* Including telecommunication call charging and billing aspects

#### **33.040.35** *Telephone networks*

\* Including Public Switched Telephone Networks (PSTN), Private Telecommunication Networks (PTN) and Private Integrated Service Networks (PISN)

#### **33.040.40** *Data communication networks*

\* Including Packet Switched Public Data Networks (PSPDN) and Ethernet

\* ISDN, see 33.080

\* OSI local, wide and metropolitan area networks, see 35.110

\* Modems, see 35.180

#### **33.040.50** *Lines, connections and circuits*

\* Including access networks and network elements

#### **33.040.60** *Powerline telecommunications*

\* Power transmission and distribution, see 29.240.01

#### **33.040.99** *Other equipment for telecommunication systems*

### **33.050 Telecommunication terminal equipment**

#### **33.050.01** *Telecommunication terminal equipment in general*

#### **33.050.10** *Telephone equipment*

#### **33.050.20** *Paging equipment*

**33.050.30** *Equipment for telex, teletext, telefax*

\* Modems, see 35.180

**33.050.99** *Other telecommunication terminal equipment*

### **33.060 Radiocommunications**

**33.060.01** *Radiocommunications in general*

**33.060.20** *Receiving and transmitting equipment*

**33.060.30** *Radio relay and fixed satellite communications systems*

**33.060.40** *Cabled distribution systems*

**33.060.99** *Other equipment for radiocommunications*

### **33.070 Mobile services**

**33.070.01** *Mobile services in general*

**33.070.10** *Terrestrial Trunked Radio (TETRA)*

**33.070.20** *Paging systems*

\* Including European Radio Message System (ERMES)

**33.070.30** *Digital Enhanced Cordless Telecommunications (DECT)*

**33.070.40** *Satellite*

\* Including Global Positioning System (GPS)

**33.070.50** *Global System for Mobile Communication (GSM)*

**33.070.99** *Other mobile services*

### **33.080 Integrated Services Digital Network (ISDN)**

### **33.100 Electromagnetic compatibility (EMC)**

\* Including radio interference

**33.100.01** *Electromagnetic compatibility in general*

**33.100.10** *Emission*

**33.100.20** *Immunity*

**33.100.99** *Other aspects related to EMC*

### **33.120 Components and accessories for telecommunications equipment**

\* Plug-and-socket devices, connectors, see 31.220.10

\* Switches, see 31.220.20

**33.120.01** *Components and accessories in general*

**33.120.10** *Coaxial cables. Waveguides*

**33.120.20** *Wires and symmetrical cables*

**33.120.30** *RF connectors*



**33.120.40** *Aerials*

**33.120.99** *Other components and accessories*

### **33.140 Special measuring equipment for use in telecommunications**

### **33.160 Audio, video and audiovisual engineering**

**33.160.01** *Audio, video and audiovisual systems in general*

\*Stage and studio equipment, see 97.200.10

**33.160.10** *Amplifiers*

**33.160.20** *Radio receivers*

**33.160.25** *Television receivers*

**33.160.30** *Audio systems*

\*Including tape recorders, records, magnetic tapes, cassettes, CDs, etc.

**33.160.40** *Video systems*

\*Including video tape recorders, cameras, cassettes, laser disks, etc.

**33.160.50** *Accessories*

\*Including headphones, loudspeakers, microphones, etc.

**33.160.60** *Multimedia systems and teleconferencing equipment*

**33.160.99** *Other audio, video and audiovisual equipment*

### **33.170 Television and radio broadcasting**

\*Equipment for television and radio broadcasting, see 33.160

\*Stage and studio equipment, see 97.200.10

### **33.180 Fibre optic communications**

**33.180.01** *Fibre optic systems in general*

**33.180.10** *Fibres and cables*

**33.180.20** *Fibre optic interconnecting devices*

**33.180.30** *Optic amplifiers*

**33.180.99** *Other fibre optic equipment*

### **33.200 Telecontrol. Telemetry**

\*Including Supervising, Control and Data Acquisition System (SCADA)

# 35

## INFORMATION TECHNOLOGY

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### **35.020 Information technology (IT) in general**

\*Including general aspects of IT equipment

### **35.030 IT Security**

\*Including encryption

### **35.040 Information coding**

\*Including coding of audio, picture, multimedia and hypermedia information, bar coding, etc.

\*IT security techniques, see 35.030

#### **35.040.01** *Information coding in general*

#### **35.040.10** *Coding of character sets*

#### **35.040.30** *Coding of graphical and photographic information*

#### **35.040.40** *Coding of audio, video, multimedia and hypermedia information*

#### **35.040.50** *Automatic identification and data capture techniques*

\*Including RFID, OCR, bar coding, etc.

#### **35.040.99** *Other standards related to information coding*

### **35.060 Languages used in information technology**

### **35.080 Software**

\*Including software development, documentation and use

\*Internet applications, see 35.240.95

### **35.100 Open systems interconnection (OSI)**

#### **35.100.01** *Open systems interconnection in general*

#### **35.100.05** *Multilayer applications*

\*Including International Standardized Profiles

#### **35.100.10** *Physical layer*

#### **35.100.20** *Data link layer*

#### **35.100.30** *Network layer*

#### **35.100.40** *Transport layer*

#### **35.100.50** *Session layer*

**35.100.60** *Presentation layer*

**35.100.70** *Application layer*

### **35.110 Networking**

\* Including local area networks (LAN), metropolitan area networks (MAN), wide area networks (WAN), etc.

\* Private Integrated Services Network (PISN), see 33.040.35

\* Integrated Services Digital Network (ISDN), see 33.080

### **35.140 Computer graphics**

### **35.160 Microprocessor systems**

\* Including PCs, calculators, etc.

\* Integrated circuits, see 31.200

### **35.180 IT terminal and other peripheral equipment**

\* Including modems

### **35.200 Interface and interconnection equipment**

### **35.210 Cloud computing**

### **35.220 Data storage devices**

**35.220.01** *Data storage devices in general*

**35.220.10** *Paper cards and tapes*

**35.220.20** *Magnetic storage devices in general*

**35.220.21** *Magnetic disks*

\* Including flexible disks, diskettes, disk packs, disk cartridges, etc.

**35.220.22** *Magnetic tapes*

**35.220.23** *Cassettes and cartridges for magnetic tapes*

**35.220.30** *Optical storage devices*

\* Including CD and magneto-optical devices (MO)

**35.220.99** *Other data storage devices*

### **35.240 Applications of information technology**

**35.240.01** *Application of information technology in general*

**35.240.10** *Computer-aided design (CAD)*

**35.240.15** *Identification cards. Chip cards. Biometrics*

\* Including application of cards for banking, trade, telecommunications, transport, etc.

**35.240.20** *IT applications in office work*

\* Including text processing systems, text communication, text presentation, Office Document Architecture (ODA), etc.

**35.240.30** *IT applications in information, documentation and publishing*

\* Including Standard Generalized Markup Language (SGML), Extensible Markup Language (XML), automatic translation machines, etc.

**35.240.40** *IT applications in banking*

\* Including automatic banking facilities

\* Identification cards for banking purposes, see 35.240.15

**35.240.50** *IT applications in industry*

\* Including design automation

**35.240.60** *IT applications in transport*

**35.240.63** *IT applications in trade*

\* Including EDIFACT and e-commerce

**35.240.67** *IT applications in building and construction industry*

\* Including building information modelling, Home and Building Electronic Systems (HBES)

**35.240.68** *IT applications in agriculture*

**35.240.69** *IT applications in postal services*

**35.240.70** *IT applications in science*

\* Including digital geographic information

**35.240.80** *IT applications in health care technology*

\* Including computer tomography

**35.240.90** *IT applications in education*

\* Including e-learning

**35.240.95** *Internet applications*

**35.240.99** *IT applications in other fields*

**35.260 Office machines**

\* Including typewriters, dictation equipment, addressing machines, letter opening machines, letter folding machines, postal franking machines, their ribbons and other accessories, etc.

\* Telephones, see 33.050.10

\* Telex and telefax, see 33.050.30

\* Copying machines, see 37.100.10

\* Wrapping and packaging equipment, see 55.200

\* Paper based stationery, see 85.080

\* Office furniture, see 97.140

\* Non-paper based stationery, see 97.180

# 37

## IMAGE TECHNOLOGY

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### **37.020 Optical equipment**

- \* Including microscopes, telescopes, binoculars, optical materials, optical components and optical systems
- \* Ophthalmic equipment, see 11.040.70
- \* Optical measuring instruments, see 17.180.30
- \* Photographic equipment lenses, see 37.040.10

### **37.040 Photography**

- \* Photographic studios, see 97.200.10

**37.040.01** *Photography in general*

**37.040.10** *Photographic equipment. Projectors*

**37.040.20** *Photographic paper, films and plates. Cartridges*

**37.040.25** *Radiographic films*

- \* Including dental, medical and industrial radiographic films

**37.040.30** *Photographic chemicals*

**37.040.99** *Other standards related to photography*

### **37.060 Cinematography**

- \* Cinematographic studios, see 97.200.10

**37.060.01** *Cinematography in general*

**37.060.10** *Motion picture equipment*

**37.060.20** *Motion picture films. Cartridges*

**37.060.99** *Other standards related to cinematography*

### **37.080 Document imaging applications**

- \* Including micrographic, electronic and optical applications
- \* Optical storage devices, see 35.220.30

### **37.100 Graphic technology**

**37.100.01** *Graphic technology in general*

- \* Including proof corrections

**37.100.10** *Reproduction equipment*

- \* Including printing, copying and duplicating machines, bookbinding equipment, etc.

**37.100.20** *Materials for graphic technology*

- \* Inks, see 87.080

**37.100.99** *Other standards related to graphic technology*

# 39

## **PRECISION MECHANICS. JEWELLERY**

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### **39.020 Precision mechanics**

\* Including microsystems

### **39.040 Horology**

**39.040.01** *Horology in general*

**39.040.10** *Watches*

**39.040.20** *Clocks*

**39.040.99** *Other time-measuring instruments*

### **39.060 Jewellery**

\* Including precious metals, precious and semi-precious stones

\* Industrial diamonds, see 25.100

# 43

## ROAD VEHICLES ENGINEERING

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### **43.020 Road vehicles in general**

- \* Including testing and recycling of road vehicles
- \* Road transport, see 03.220.20
- \* Transport exhaust emissions, see 13.040.50

### **43.040 Road vehicle systems**

- \* Electric road vehicle systems, see 43.120
- \* Motorcycle and moped systems, see 43.140
- \* Cycle systems, see 43.150

#### **43.040.01** *Road vehicle systems in general*

#### **43.040.10** *Electrical and electronic equipment*

#### **43.040.15** *Car informatics. On board computer systems*

- \* Including navigation systems, car radio, etc.

#### **43.040.20** *Lighting, signalling and warning devices*

#### **43.040.30** *Indicating and control devices*

#### **43.040.40** *Braking systems*

#### **43.040.50** *Transmissions, suspensions*

- \* Including clutches, gearboxes, power-steering systems, cardan shafts, differentials, wheels, rims, etc.
- \* Tyres for road vehicles, see 83.160.10

#### **43.040.60** *Bodies and body components*

- \* Including vehicle frame and structure, heating devices, air-conditioning systems for passenger/driver compartments, roof load carriers, etc.
- \* Loading compartments, see 43.080.10

#### **43.040.65** *Glazing and wiper systems*

- \* Including cleaning, defrosting and demisting devices, mirrors, etc.

#### **43.040.70** *Couplings*

- \* Including towing attachments and fifth wheel assemblies

#### **43.040.80** *Crash protection and restraint systems*

- \* Including airbags, safety belts, traffic accident issues and safety enhancement matters

#### **43.040.99** *Other road vehicle systems*

### **43.060 Internal combustion engines for road vehicles**

- \* Standards for internal combustion engines for general use, see 27.020

**43.060.01** *Internal combustion engines for road vehicles in general*

**43.060.10** *Engine block and internal components*

**43.060.20** *Pressure charging and air/exhaust gas ducting systems*

**43.060.30** *Cooling systems. Lubricating systems*

\* Antifreezes, see 71.100.45

\* Lubricants, see 75.100

**43.060.40** *Fuel systems*

**43.060.50** *Electrical and electronic equipment. Control systems*

\* Including ignition systems and starter motors

**43.060.99** *Other components and systems of internal combustion engines*

## **43.080 Commercial vehicles**

\* Road vehicle systems, see 43.040

\* Tyres for road vehicles, see 83.160.10

**43.080.01** *Commercial vehicles in general*

**43.080.10** *Trucks and trailers*

\* Including tanker trucks and loading compartments

\* Industrial trucks, see 53.060

**43.080.20** *Buses*

**43.080.99** *Other commercial vehicles*

## **43.100 Passenger cars. Caravans and light trailers**

\* Road vehicle systems, see 43.040

\* Tyres for road vehicles, see 83.160.10

\* Camping equipment, see 97.200.30

## **43.120 Electric road vehicles**

\* Including their components and systems

\* Tyres for road vehicles, see 83.160.10

## **43.140 Motorcycles and mopeds**

\* Including their components and systems

\* Tyres for road vehicles, see 83.160.10

## **43.150 Cycles**

\* Including their components and systems

\* Tyres for road vehicles, see 83.160.10



### **43.160 Special purpose vehicles**

- \* Including waste collection vehicles and components and systems for special purpose vehicles
- \* Fire-fighting vehicles, see 13.220.10
- \* Mobile cranes, see 53.020.20
- \* Earth-moving machinery, see 53.100
- \* Agricultural tractors and trailed vehicles, see 65.060.10

### **43.180 Diagnostic, maintenance and test equipment**

- \* Including repairing facilities
- \* Petrol stations, see 75.200

# 45

## RAILWAY ENGINEERING

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### **45.020 Railway engineering in general**

\* Railway traffic, see 03.220.30

\* Construction of railways, see 93.100

### **45.040 Materials and components for railway engineering**

### **45.060 Railway rolling stock**

\* Including materials, components, electric and electronic equipment for railway rolling stock

**45.060.01** *Railway rolling stock in general*

**45.060.10** *Tractive stock*

\* Electric traction equipment, see 29.280

**45.060.20** *Trailing stock*

\* Including tank wagons

### **45.080 Rails and railway components**

\* Including track components

### **45.100 Cableway equipment**

\* Including ropeway equipment

### **45.120 Equipment for railway/cableway construction and maintenance**

### **45.140 Metro, tram and light rail equipment**

# 47

## SHIPBUILDING AND MARINE STRUCTURES

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### **47.020 Shipbuilding and marine structures in general**

\* Including offshore structures, except offshore structures for petroleum and natural gas industries, and seabed mining

\* Water transport, see 03.220.40

\* Offshore structures for seabed mining, see 73.100.30

\* Offshore structures for petroleum and natural gas industries, see 75.180.10

**47.020.01** *General standards related to shipbuilding and marine structures*

**47.020.05** *Materials and components for shipbuilding*

**47.020.10** *Hulls and their structure elements*

**47.020.20** *Marine engines and propulsion systems*

\* Standards for internal combustion engines for general use, see 27.020

**47.020.30** *Piping systems*

**47.020.40** *Lifting and cargo handling equipment*

**47.020.50** *Deck equipment and installations*

**47.020.60** *Electrical equipment of ships and of marine structures*

**47.020.70** *Navigation and control equipment*

\* Radiocommunications equipment, see 33.060

**47.020.80** *Accommodation spaces*

**47.020.85** *Cargo spaces*

\* Including tanks and tankers

**47.020.90** *Marine ventilation, air conditioning and heating systems*

**47.020.99** *Other standards related to shipbuilding and marine structures*

### **47.040 Seagoing vessels**

\* Including their systems and components

### **47.060 Inland navigation vessels**

\* Including their systems and components

### **47.080 Small craft**

\* Including small craft systems and components, and life-saving appliances

\* Personal flotation devices (life jackets), see 13.340.70

# 49

## AIRCRAFT AND SPACE VEHICLE ENGINEERING

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### **49.020 Aircraft and space vehicles in general**

\* Including aircraft performance, flight dynamics, etc.

\* Air transport, see 03.220.50

### **49.025 Materials for aerospace construction**

**49.025.01** *Materials for aerospace construction in general*

**49.025.05** *Ferrous alloys in general*

**49.025.10** *Steels*

**49.025.15** *Non-ferrous alloys in general*

**49.025.20** *Aluminium*

**49.025.30** *Titanium*

**49.025.40** *Rubber and plastics*

**49.025.50** *Adhesives*

**49.025.60** *Textiles*

\* Including textile glass and coated fabrics

**49.025.99** *Other materials*

### **49.030 Fasteners for aerospace construction**

\* Fasteners for general use, see 21.060

**49.030.01** *Fasteners in general*

**49.030.10** *Screw threads*

\* Screw threads for general use, see 21.040

**49.030.20** *Bolts, screws, studs*

**49.030.30** *Nuts*

**49.030.40** *Pins, nails*

**49.030.50** *Washers and other locking elements*

**49.030.60** *Rivets*

**49.030.99** *Other fasteners*

**49.035 Components for aerospace construction**

\* Including bearings, rod ends and other mechanical components

\* Tyres for aircraft, see 83.160.20

**49.040 Coatings and related processes used in aerospace industry**

\* Coatings for general use, see 25.220

**49.045 Structure and structure elements**

**49.050 Aerospace engines and propulsion systems**

\* Including fuel systems

**49.060 Aerospace electric equipment and systems**

\* Including Avionics

**49.080 Aerospace fluid systems and components**

**49.090 On-board equipment and instruments**

\* Including navigation instruments and telecommunications equipment

**49.095 Passenger and cabin equipment**

**49.100 Ground service and maintenance equipment**

**49.120 Cargo equipment**

\* Air mode containers, pallets and nets, see 55.180.30

**49.140 Space systems and operations**

\* Including space data and information transfer systems, and ground support equipment for launch site operations

# 53

## MATERIALS HANDLING EQUIPMENT

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### **53.020 Lifting equipment**

\* Lifting equipment for shipbuilding, see 47.020.40

\* Lifts and escalators, see 91.140.90

#### **53.020.01** *Lifting appliances in general*

\* Lifting platforms for disabled people, see 11.180.10

#### **53.020.20** *Cranes*

\* Including mobile cranes, tower cranes, jib cranes, bridge cranes, etc.

#### **53.020.30** *Accessories for lifting equipment*

\* Including lifting hooks, shackles, link chains, wire ropes, etc.

\* Wire ropes and link chains for general use, see 77.140.65

#### **53.020.99** *Other lifting equipment*

\* Including elevating work platforms

### **53.040 Continuous handling equipment**

#### **53.040.01** *Continuous handling equipment in general*

#### **53.040.10** *Conveyors*

#### **53.040.20** *Components for conveyors*

\* Including conveyor belts, chains, chain wheels, etc.

#### **53.040.30** *Pneumatic transport and its components*

#### **53.040.99** *Other continuous handling equipment*

### **53.060 Industrial trucks**

\* Including fork-lift trucks, sliding platforms, etc.

\* Trucks and trailers, see 43.080.10

### **53.080 Storage equipment**

\* Including loading devices, shelves, etc.

\* Storing and warehousing, see 55.220

\* Installations for storage of agricultural produce, see 65.040.20

\* Shelving for shops, see 97.130.10

### **53.100 Earth-moving machinery**

\* Including tractors, excavators, loaders, graders, etc.

### **53.120 Equipment for manual handling**

\* Including shovels, spades, crowbars, picks, etc.

# 55

## PACKAGING AND DISTRIBUTION OF GOODS

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### **55.020 Packaging and distribution of goods in general**

### **55.040 Packaging materials and accessories**

\* Including wrappers, paper, films, foils, cords, sealing devices, cushioning, etc.

\* Adhesive tapes for general purposes, see **83.180**

### **55.060 Spools. Bobbins**

\* Including holders, supports, etc. for externally wound or mounted material

\* Photographic and cinematographic film rolls, cores, spools, reels, etc., see **37.040.20**

\* Photographic film rolls, cores, spools, reels, etc., see **37.060.20**

\* Cones, tubes, beams, etc. for textile materials, see **59.120.20**

### **55.080 Sacks. Bags**

\* Including sachets, envelopes

### **55.100 Bottles. Pots. Jars**

\* Small containers for liquids and their closures

\* Containers for transfusion use, see **11.040.20**

\* Containers for pharmaceutical preparations, see **11.120.99**

### **55.120 Cans. Tins. Tubes**

\* Light gauge metal and plastics containers

### **55.130 Aerosol containers**

### **55.140 Barrels. Drums. Canisters**

\* Containers mainly for transportation of fluids, including also casks, pails, large tin cans for shipping materials, etc.

\* Fluid storage devices, see **23.020**

### **55.160 Cases. Boxes. Crates**

\* Containers for solid goods or objects and bulk materials

### **55.180 Freight distribution of goods**

**55.180.01** *Freight distribution of goods in general*

**55.180.10** *General purpose containers*

**55.180.20** *General purpose pallets*

**55.180.30** *Air mode containers, pallets and nets*

**55.180.40** *Complete, filled transport packages*

\* Including reusable packages and unit loads

**55.180.99** *Other standards related to freight distribution of goods*

\* Including intermediate bulk containers

**55.200 Packaging machinery**

\* Including labelling, marking, branding, filling, sealing machines, etc.

**55.220 Storing. Warehousing**

\* Storage equipment, see 53.080

**55.230 Distribution and vending machines**

\* Including distribution of tickets, food, beverages, tobacco products, etc.



# 59

## TEXTILE AND LEATHER TECHNOLOGY

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### **59.020 Processes of the textile industry**

### **59.040 Textile auxiliary materials**

\* Including feathers and down

\* Surface active agents, see 71.100.40

### **59.060 Textile fibres**

#### **59.060.01** *Textile fibres in general*

\* Including mixtures of fibres

#### **59.060.10** *Natural fibres*

#### **59.060.20** *Man-made fibres*

#### **59.060.30** *Mineral and metal fibres*

#### **59.060.99** *Other textile fibres*

### **59.080 Products of the textile industry**

\* Materials for the reinforcement of composites, see 59.100

\* Fishing nets, see 65.150

\* Upholstery, see 97.140

\* Textile floor coverings, see 97.150

\* Home textiles and linen, see 97.160

#### **59.080.01** *Textiles in general*

\* Including colour fastness of textiles

#### **59.080.20** *Yarns*

\* Including plied yarns, textured yarns, threads

#### **59.080.30** *Textile fabrics*

\* Including nonwovens, felts, lace, etc.

#### **59.080.40** *Coated fabrics*

#### **59.080.50** *Ropes*

\* Including strings, straps, bands

\* Wire ropes for lifting, see 53.020.30

\* Steel wire ropes, see 77.140.65

#### **59.080.70** *Geotextiles*

\* Including geosynthetics

**59.080.80** *Smart textiles*

**59.080.99** *Other products of the textile industry*

## **59.100 Materials for the reinforcement of composites**

**59.100.01** *Materials for the reinforcement of composites in general*

**59.100.10** *Textile glass materials*

**59.100.20** *Carbon materials*

**59.100.30** *Aramide materials*

**59.100.99** *Other materials for the reinforcement of composites*

## **59.120 Textile machinery**

**59.120.01** *Textile machinery in general*

**59.120.10** *Spinning, twisting and texturing machines*

\* Including machines and equipment for manufacturing man-made filaments and fibres and for preparing fibres for spinning

**59.120.20** *Winding machines and equipment*

\* Including machines and equipment for reeling, balling, warping, sizing, beaming, etc. of yarns

**59.120.30** *Looms. Weaving machines*

**59.120.40** *Knitting machines*

\* Including household knitting machines

**59.120.50** *Dyeing and finishing equipment*

\* Laundry appliances, see 97.060

**59.120.99** *Other textile machinery*

## **59.140 Leather technology**

\* Including fur and imitation leather

\* Footwear, see 61.060

\* Sewing machines and machines for footwear production, see 61.080

**59.140.01** *Leather technology in general*

**59.140.10** *Processes and auxiliary materials*

**59.140.20** *Raw skins, hides and pelts*

**59.140.30** *Leather and furs*

**59.140.35** *Leather products*

\* Including trunks, suitcases, handbags, purses, wallets, dog-collars, etc. made of materials other than leather

\* Products of the clothing industry, see 61

**59.140.40** *Machines and equipment for leather and fur production*

**59.140.99** *Other standards related to leather technology*

# 61

## CLOTHING INDUSTRY

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### **61.020 Clothes**

\* Including underwear, nightwear, knitwear, military clothing, hosiery, etc. and their labelling and size coding schemes

\* Medical garments, see 11.140

\* Protective clothing, see 13.340.10

### **61.040 Headgear. Clothing accessories. Fastening of clothing**

\* Including ties, gloves, scarves, handkerchiefs, belts, braces, buttons, zip-fasteners, umbrellas, etc.

\* Protective headgear, see 13.340.20

\* Protective gloves, see 13.340.40

### **61.060 Footwear**

\* Including shoelaces

\* Protective footwear, see 13.340.50

### **61.080 Sewing machines and other equipment for the clothing industry**

\* Including household sewing machines

\* Washing machines, driers, ironing and pressing appliances, see 97.060

# 65

## AGRICULTURE

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### **65.020 Farming and forestry**

\* Pedology, soil analysis, see 13.080

\* Logging, see 79.020

**65.020.01** *Farming and forestry in general*

**65.020.20** *Plant growing*

\* Including horticulture, floriculture, seeds, plant diseases

**65.020.30** *Animal husbandry and breeding*

\* Including sanitary inspection

\* Veterinary medicine, see 11.220

**65.020.40** *Landscaping and silviculture*

**65.020.99** *Other standards related to farming and forestry*

### **65.040 Farm buildings, structures and installations**

**65.040.01** *Farm buildings and installations in general*

**65.040.10** *Livestock buildings, installations and equipment*

\* Including milking machines

**65.040.20** *Buildings and installations for processing and storage of agricultural produce*

\* Including slaughterhouses and related equipment

**65.040.30** *Greenhouses and other installations*

**65.040.99** *Other standards related to farm buildings and installations*

### **65.060 Agricultural machines, implements and equipment**

\* Tyres for agricultural machinery, see 83.160.30

**65.060.01** *Agricultural machines and equipment in general*

**65.060.10** *Agricultural tractors and trailed vehicles*

**65.060.20** *Soil-working equipment*

**65.060.25** *Equipment for storage, preparation and distribution of fertilizers*

**65.060.30** *Sowing and planting equipment*

**65.060.35** *Irrigation and drainage equipment*

**65.060.40** *Plant care equipment*

**65.060.50** *Harvesting equipment*

**65.060.60** *Viticultural and wine-making equipment*

**65.060.70** *Horticultural equipment*

\*Including lawnmowers, equipment for olive cultivation and olive production

**65.060.80** *Forestry equipment*

\*Including chain- and brush-saws

**65.060.99** *Other agricultural machines and equipment*

## **65.080 Fertilizers**

\*Including soil conditioners and culture medium

## **65.100 Pesticides and other agrochemicals**

**65.100.01** *Pesticides and other agrochemicals in general*

**65.100.10** *Insecticides*

\*Wood-protecting chemicals, see 71.100.50

**65.100.20** *Herbicides*

**65.100.30** *Fungicides*

\*Wood-protecting chemicals, see 71.100.50

**65.100.99** *Other pesticides and agrochemicals*

## **65.120 Animal feeding stuffs**

\*Microbiology of animal feeding stuffs, see 07.100.30

## **65.140 Beekeeping**

\*Including equipment and installations for beekeeping

\*Honey, see 67.180.10

## **65.145 Hunting**

\*Including equipment and installations for hunting

## **65.150 Fishing and fish breeding**

\*Including hunting of marine mammals and reptiles, collection and breeding of aquatic molluscs and other marine products, equipment and installations for fishing and fish breeding, etc.

\*Water for fish breeding, see 13.060.25

\*Fish and fishery products, see 67.120.30

## **65.160 Tobacco, tobacco products and related equipment**

# 67

## FOOD TECHNOLOGY

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### **67.020 Processes in the food industry**

\* Including food hygiene and food safety

### **67.040 Food products in general**

### **67.050 General methods of tests and analysis for food products**

\* Food microbiology, see 07.100.30

\* Sensory analysis, see 67.240

### **67.060 Cereals, pulses and derived products**

\* Including grains, corn, flours, baked products, etc.

### **67.080 Fruits. Vegetables**

\* Including canned, dried and quick-frozen fruits and vegetables

\* Fruit and vegetable juices and nectars, see 67.160.20

#### **67.080.01** *Fruits, vegetables and derived products in general*

#### **67.080.10** *Fruits and derived products*

\* Including nuts

#### **67.080.20** *Vegetables and derived products*

\* Including tomato concentrates, ketchup, etc.

### **67.100 Milk and milk products**

#### **67.100.01** *Milk and milk products in general*

#### **67.100.10** *Milk and processed milk products*

\* Including dried milk, condensed milk and evaporated milk

#### **67.100.20** *Butter*

#### **67.100.30** *Cheese*

\* Including cottage cheese, whey cheese

#### **67.100.40** *Ice cream and ice confectionery*

\* Including sorbets

#### **67.100.99** *Other milk products*

### **67.120 Meat, meat products and other animal produce**

\* Including frozen products

**67.120.01** *Animal produce in general*

**67.120.10** *Meat and meat products*

**67.120.20** *Poultry and eggs*

**67.120.30** *Fish and fishery products*

\*Including aquatic molluscs and other marine products

**67.120.99** *Other animal produce*

## **67.140 Tea. Coffee. Cocoa**

**67.140.10** *Tea*

\*Including herb teas

**67.140.20** *Coffee and coffee substitutes*

**67.140.30** *Cocoa*

## **67.160 Beverages**

**67.160.01** *Beverages in general*

**67.160.10** *Alcoholic beverages*

\*Including beer, wine, spirits, etc.

**67.160.20** *Non-alcoholic beverages*

\*Including juices, nectars, mineral waters, lemonades, root beer, cola drinks, etc.

\*Tea, coffee, cocoa, see 67.140

## **67.180 Sugar. Sugar products. Starch**

**67.180.10** *Sugar and sugar products*

\*Including molasses, sweets, sugar confectionary, honey, etc.

**67.180.20** *Starch and derived products*

\*Including glucose syrups, etc.

## **67.190 Chocolate**

## **67.200 Edible oils and fats. Oilseeds**

**67.200.10** *Animal and vegetable fats and oils*

\*Butter, see 67.100.20

**67.200.20** *Oilseeds*

## **67.220 Spices and condiments. Food additives**

**67.220.10** *Spices and condiments*

**67.220.20** *Food additives*

\*Including salt, vinegar, food preservation additives, etc.

## **67.230 Prepackaged and prepared foods**

\*Including baby food

**67.240 Sensory analysis**

**67.250 Materials and articles in contact with foodstuffs**

\* Including catering containers, and materials and articles in contact with drinking water

**67.260 Plants and equipment for the food industry**

\* Refrigerating equipment, see 27.200

\* Cold rooms, see 97.130.20



# 71

## CHEMICAL TECHNOLOGY

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### **71.020 Production in the chemical industry**

\*Including plant layout and services, process design and control, processing operations, security measures, etc.

### **71.040 Analytical chemistry**

\*This group includes standards for general use

#### **71.040.01** *Analytical chemistry in general*

#### **71.040.10** *Chemical laboratories. Laboratory equipment*

\*Including hydrometers, alcoholometers, etc.

\*Apparatus for measurement of volume, mass, density, viscosity, see 17.060

\*Spectroscopes, see 17.180.30

\*Temperature-measuring instruments, see 17.200.20

\*Laboratory ware, see 71.040.20

#### **71.040.20** *Laboratory ware and related apparatus*

#### **71.040.30** *Chemical reagents*

\*Including reference materials

#### **71.040.40** *Chemical analysis*

\*Including analysis of gases and surface chemical analysis

#### **71.040.50** *Physicochemical methods of analysis*

\*Including spectrophotometric and chromatographic analysis

#### **71.040.99** *Other standards related to analytical chemistry*

### **71.060 Inorganic chemicals**

#### **71.060.01** *Inorganic chemicals in general*

#### **71.060.10** *Chemical elements*

#### **71.060.20** *Oxides*

\*Including dioxides, peroxides, etc.

#### **71.060.30** *Acids*

#### **71.060.40** *Bases*

#### **71.060.50** *Salts*

#### **71.060.99** *Other inorganic chemicals*

### **71.080 Organic chemicals**

**71.080.01** *Organic chemicals in general*

**71.080.10** *Aliphatic hydrocarbons*

**71.080.15** *Aromatic hydrocarbons*

**71.080.20** *Halogenated hydrocarbons*

**71.080.30** *Organic nitrogen compounds*

**71.080.40** *Organic acids*

**71.080.50** *Anhydrides*

**71.080.60** *Alcohols. Ethers*

**71.080.70** *Esters*

**71.080.80** *Aldehydes and ketones*

**71.080.90** *Phenols*

**71.080.99** *Other organic chemicals*

## **71.100** **Products of the chemical industry**

\*Photographic chemicals, see **37.040.30**

\*Raw materials for rubber and plastics, see **83.040**

\*Paints and varnishes, see **87.040**

\*Inks, see **87.080**

**71.100.01** *Products of the chemical industry in general*

**71.100.10** *Materials for aluminium production*

**71.100.20** *Gases for industrial application*

\*Including compressed air and hydrogen

\*Hydrogen technologies, see **27.075**

\*Liquefied petroleum gases, see **75.160.30**

**71.100.30** *Explosives. Pyrotechnics and fireworks*

**71.100.35** *Chemicals for industrial and domestic disinfection purposes*

\*Medical disinfectants and antiseptics, see **11.080.20**

**71.100.40** *Surface active agents*

**71.100.45** *Refrigerants and antifreezes*

**71.100.50** *Wood-protecting chemicals*

**71.100.55** *Silicones*

**71.100.60** *Essential oils*

**71.100.70** *Cosmetics. Toiletries*

\*Cosmetics microbiology, see **07.100.40**

**71.100.80** *Chemicals for purification of water*

**71.100.99** *Other products of the chemical industry*

**71.120 Equipment for the chemical industry**

\*Transport of dangerous chemicals, see 13.300

**71.120.01** *Equipment for the chemical industry in general*

**71.120.10** *Reaction vessels and their components*

**71.120.20** *Columns*

**71.120.30** *Heat exchangers*

**71.120.99** *Other equipment for the chemical industry*

# 73

## MINING AND MINERALS

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### **73.020 Mining and quarrying**

\* Including exploration, opening-up, development, working of mineral deposits, drilling, construction of mines, mining operations, processing of minerals, etc.

### **73.040 Coals**

\* Including lignites

\* Coal products, see 75.160.10

### **73.060 Metalliferous minerals and their concentrates**

\* Uranium-containing minerals, see 27.120.30

**73.060.01** *Metalliferous minerals in general*

**73.060.10** *Iron ores*

**73.060.20** *Manganese ores*

**73.060.30** *Chromium ores*

**73.060.40** *Aluminium ores*

**73.060.99** *Other metalliferous minerals*

### **73.080 Non-metalliferous minerals**

\* Including mica, fluorspar, etc.

\* Industrial diamonds, see 25.100

\* Precious and semi-precious stones, see 39.060

### **73.100 Mining equipment**

\* Electrical apparatus for explosive atmospheres, see 29.260.20

**73.100.01** *Mining equipment in general*

**73.100.10** *Tunnelling and tubing equipment*

**73.100.20** *Ventilation, air-conditioning and illumination equipment*

**73.100.30** *Equipment for drilling and mine excavation*

\* Including equipment for seabed mining

\* Drilling equipment for the petroleum industry, see 75.180.10

**73.100.40** *Haulage and hoisting equipment*

**73.100.99** *Other mining equipment*

### **73.120 Equipment for processing of minerals**

\* Including equipment for milling, sizing, separation, flotation, concentration, etc.

# 75

## PETROLEUM AND RELATED TECHNOLOGIES

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### **75.020 Extraction and processing of petroleum and natural gas**

#### **75.040 Crude petroleum**

#### **75.060 Natural gas**

#### **75.080 Petroleum products in general**

#### **75.100 Lubricants, industrial oils and related products**

\* Including mineral oils, fluids for metal working and for temporary protection against corrosion

\* Lubrication systems, see 21.260

\* Insulating oils, see 29.035.40

#### **75.120 Hydraulic fluids**

\* Fluid power systems, see 23.100

#### **75.140 Waxes, bituminous materials and other petroleum products**

\* Asphalts for building, see 91.100.50

\* Asphalts for road construction, see 93.080.20

#### **75.160 Fuels**

##### **75.160.01 Fuels in general**

##### **75.160.10 Solid fuels**

\* Including coal products, coke, peat, wood, derivatives of coal pyrolysis, etc.

\* Coals, see 73.040

\* Solid biofuels, see 75.160.40

##### **75.160.20 Liquid fuels**

\* Including gasoline, diesel, kerosene, etc.

\* Liquid biofuels, see 75.160.40

##### **75.160.30 Gaseous fuels**

\* Including liquefied petroleum gases

\* Hydrogen, see 71.100.20

\* Natural gas, see 75.060

\* Biogas, see 75.160.40

##### **75.160.40 Biofuels**

\* Including solid biofuels, liquid biofuels and biogas

#### **75.180 Equipment for petroleum and natural gas industries**

**75.180.01** *Equipment for petroleum and natural gas industries in general*

**75.180.10** *Exploratory, drilling and extraction equipment*

\*Including offshore structures

**75.180.20** *Processing equipment*

**75.180.30** *Volumetric equipment and measurements*

**75.180.99** *Other equipment for petroleum and natural gas industries*

**75.200 Petroleum products and natural gas handling equipment**

\*Including petroleum and natural gas storage devices, distribution systems, pipelines, petrol stations, dispensing devices, etc.

# 77

## METALLURGY

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### **77.020 Production of metals**

### **77.040 Testing of metals**

**77.040.01** *Testing of metals in general*

**77.040.10** *Mechanical testing of metals*

\* Mechanical testing in general, see 19.060

\* Mechanical testing of welded joints, see 25.160.40

**77.040.20** *Non-destructive testing of metals*

\* Non-destructive testing in general, see 19.100

\* Non-destructive testing of welded joints, see 25.160.40

**77.040.30** *Chemical analysis of metals*

\* Chemical analysis in general, see 71.040.40

\* Chemical analysis of ferrous metals, see 77.080

\* Chemical analysis of ferroalloys, see 77.100

\* Chemical analysis of non-ferrous metals, see 77.120

\* Chemical analysis of sintered metals and hard metals, see 77.160

**77.040.99** *Other methods of testing of metals*

### **77.060 Corrosion of metals**

\* Surface treatment and coating, see 25.220

### **77.080 Ferrous metals**

\* Including classification, designation, sampling, chemical analysis, etc.

\* Dimensions and quality grades of iron and steel products, see 77.140

**77.080.01** *Ferrous metals in general*

**77.080.10** *Irons*

**77.080.20** *Steels*

### **77.100 Ferroalloys**

\* Including classification, designation, sampling, chemical analysis, etc.

### **77.120 Non-ferrous metals**

\* Including classification, designation, sampling, chemical analysis, etc.

\* Precious metals for dentistry, see 11.060.10

\* Precious metals for jewellery, see 39.060

\* Dimensions and quality grades of non-ferrous metal products, see 77.150

- 77.120.01** *Non-ferrous metals in general*
- 77.120.10** *Aluminium and aluminium alloys*
- 77.120.20** *Magnesium and magnesium alloys*
- 77.120.30** *Copper and copper alloys*
- 77.120.40** *Nickel, chromium and their alloys*
- 77.120.50** *Titanium and titanium alloys*
- 77.120.60** *Lead, zinc, tin and their alloys*
- 77.120.70** *Cadmium, cobalt and their alloys*
- 77.120.99** *Other non-ferrous metals and their alloys*

## **77.140 Iron and steel products**

\*Standards containing quality grades and form of products should be classified in both types of relevant sub-groups

\*Steel products for aerospace construction, see 49.025.10

- 77.140.01** *Iron and steel products in general*
- 77.140.10** *Heat-treatable steels*
- 77.140.15** *Steels for reinforcement of concrete*
- 77.140.20** *Stainless steels*
  - \*Including alloyed steels, corrosion-resistant steels, heat-resisting steels, etc.
- 77.140.25** *Spring steels*
- 77.140.30** *Steels for pressure purposes*
  - \*Steels for pressure pipes and tubes for specific use, see 77.140.75
- 77.140.35** *Tool steels*
- 77.140.40** *Steels with special magnetic properties*
- 77.140.45** *Non-alloyed steels*
- 77.140.50** *Flat steel products and semi-products*
  - \*Including plate, sheet and strip
  - \*Steel strips for springs, see 77.140.25
- 77.140.60** *Steel bars and rods*
- 77.140.65** *Steel wire, wire ropes and link chains*
  - \*Lifting link chains and wire ropes, see 53.020.30
  - \*Steel wire for springs, see 77.140.25
- 77.140.70** *Steel profiles*
  - \*Including sections
- 77.140.75** *Steel pipes and tubes for specific use*
  - \*Including hollow steel bars and sections for construction
  - \*Steel pipes for conducting fluids, see 23.040.10
- 77.140.80** *Iron and steel castings*



**77.140.85** *Iron and steel forgings*

**77.140.99** *Other iron and steel products*

**77.150 Products of non-ferrous metals**

\* Including products of non-ferrous metal alloys

\* Products of non-ferrous metals for aerospace construction, see **49.025**

**77.150.01** *Products of non-ferrous metals in general*

**77.150.10** *Aluminium products*

**77.150.20** *Magnesium products*

**77.150.30** *Copper products*

**77.150.40** *Nickel and chromium products*

**77.150.50** *Titanium products*

**77.150.60** *Lead, zinc and tin products*

**77.150.70** *Cadmium and cobalt products*

**77.150.99** *Other products of non-ferrous metals*

**77.160 Powder metallurgy**

\* Including sintered metal materials and hardmetals

**77.180 Equipment for the metallurgical industry**

# 79

## WOOD TECHNOLOGY

---

### **79.020 Wood technology processes**

\* Including logging and wood treatment

\* Wood-protecting chemicals, see 71.100.50

### **79.040 Wood, sawlogs and sawn timber**

### **79.060 Wood-based panels**

**79.060.01** *Wood-based panels in general*

**79.060.10** *Plywood*

**79.060.20** *Fibre and particle boards*

**79.060.99** *Other wood-based panels*

### **79.080 Semi-manufactures of timber**

\* Including parquet, wood paving, handles, etc.

### **79.100 Cork and cork products**

### **79.120 Woodworking equipment**

**79.120.01** *Woodworking equipment in general*

**79.120.10** *Woodworking machines*

\* Chain- and brush-saws, see 65.060.80

**79.120.20** *Woodworking tools*

**79.120.99** *Other woodworking equipment*

# 81

## GLASS AND CERAMICS INDUSTRIES

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### **81.020 Processes in the glass and ceramics industries**

#### **81.040 Glass**

**81.040.01** *Glass in general*

**81.040.10** *Raw materials and raw glass*

**81.040.20** *Glass in building*

**81.040.30** *Glass products*

\* Bottles, pots, jars, see 55.100

\* Laboratory glassware, see 71.040.20

#### **81.060 Ceramics**

\* Including glass-ceramics

**81.060.01** *Ceramics in general*

**81.060.10** *Raw materials*

**81.060.20** *Ceramic products*

\* Ceramic tiles, see 91.100.23

\* Ceramic building products, see 91.100.25

\* Sanitary ceramic products, see 91.140.70

**81.060.30** *Advanced ceramics*

**81.060.99** *Other standards related to ceramics*

#### **81.080 Refractories**

\* Including ceramic refractories

#### **81.100 Equipment for the glass and ceramics industries**

# 83

## RUBBER AND PLASTIC INDUSTRIES

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### **83.020 Manufacturing processes in the rubber and plastics industries**

### **83.040 Raw materials for rubber and plastics**

**83.040.01** *Raw materials for rubber and plastics in general*

**83.040.10** *Latex and raw rubber*

**83.040.20** *Rubber compounding ingredients*

\* Including carbon black, kaolin clay, etc.

**83.040.30** *Auxiliary materials and additives for plastics*

\* Including fillers, extenders, hardeners, pigments, plasticizers, etc.

### **83.060 Rubber**

\* Raw rubber, see 83.040.10

### **83.080 Plastics**

**83.080.01** *Plastics in general*

**83.080.10** *Thermosetting materials*

\* Including ebonite

\* Silicones, see 71.100.55

**83.080.20** *Thermoplastic materials*

### **83.100 Cellular materials**

### **83.120 Reinforced plastics**

\* Materials for the reinforcement of plastics, see 59.100

### **83.140 Rubber and plastics products**

\* Moulding or extrusion products should be classified according to specific products

\* Transmission belts, see 21.220.10

\* Conveyor belts, see 53.040.20

\* Rubber and plastics coated fabrics, see 59.080.40

\* Footwear, see 61.060

\* Tyres, see 83.160

**83.140.01** *Rubber and plastics products in general*

**83.140.10** *Films and sheets*

\* Including plates

**83.140.20** *Laminated sheets*

**83.140.30** *Plastics pipes and fittings for non fluid use*

\*Plastics pipes, fittings and valves for general use, see 23.040.20, 23.040.45 and 23.060

**83.140.40** *Hoses*

\*Hoses for general use, see 23.040.70

**83.140.50** *Seals*

\*Seals for general use, see 21.140 and 23.040.80

**83.140.99** *Other rubber and plastics products*

## **83.160 Tyres**

\*Including tubes and valves

**83.160.01** *Tyres in general*

**83.160.10** *Road vehicle tyres*

\*Including cycle tyres, and tyre retreading and repair processes

**83.160.20** *Aircraft tyres*

**83.160.30** *Tyres for agricultural machinery*

**83.160.99** *Other tyres*

## **83.180 Adhesives**

\*Including adhesive tapes

\*Adhesive tapes for electrical insulation purposes, see 29.035.20

## **83.200 Equipment for the rubber and plastics industries**

# 85

## PAPER TECHNOLOGY

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### **85.020 Paper production processes**

\*Including paper recycling

### **85.040 Pulps**

### **85.060 Paper and board**

### **85.080 Paper products**

\*Including paper based stationery

\*Other forms of stationery (non-paper based), see 35.260 and 97.180

**85.080.01** *Paper products in general*

**85.080.10** *Office paper*

**85.080.20** *Tissue paper*

**85.080.30** *Cardboard*

\*Including corrugated fibreboard

\*Paper for packaging, see 55.040

**85.080.99** *Other paper products*

### **85.100 Equipment for the paper industry**

# 87

## **PAINT AND COLOUR INDUSTRIES**

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### **87.020 Paint coating processes**

\*Surface preparation for painting, see 25.220.10

### **87.040 Paints and varnishes**

\*Including coating powders, paint coatings and protective paint systems

### **87.060 Paint ingredients**

**87.060.01** *Paint ingredients in general*

**87.060.10** *Pigments and extenders*

**87.060.20** *Binders*

**87.060.30** *Solvents*

**87.060.99** *Other paint ingredients*

### **87.080 Inks. Printing inks**

\*Materials for graphic technology, see 37.100.20

### **87.100 Paint coating equipment**

# 91

## CONSTRUCTION MATERIALS AND BUILDING

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### **91.010 Construction industry**

#### **91.010.01** *Construction industry in general*

\* Building information modelling, see 35.240.67

#### **91.010.10** *Legal aspects*

#### **91.010.20** *Contractual aspects*

\* Including construction procurement

#### **91.010.30** *Technical aspects*

\* Including tolerances, modular coordination, etc.

\* Construction drawings, see 01.100.30

#### **91.010.99** *Other aspects*

### **91.020 Physical planning. Town planning**

### **91.040 Buildings**

#### **91.040.01** *Buildings in general*

\* Including building environment design and service life planning

\* Building materials, see 91.100

\* Cultural property and heritage, see 97.195

#### **91.040.10** *Public buildings*

\* Including ecclesiastical buildings and hospitals

#### **91.040.20** *Buildings for commerce and industry*

#### **91.040.30** *Residential buildings*

#### **91.040.99** *Other buildings*

### **91.060 Elements of buildings**

\* Foundations, see 93.020

#### **91.060.01** *Elements of buildings in general*

#### **91.060.10** *Walls. Partitions. Façades*

#### **91.060.20** *Roofs*

\* Including related elements (gutters, etc.)



**91.060.30** *Ceilings. Floors. Stairs*

\* Including screeds, ramps, etc.

**91.060.40** *Chimneys, shafts, ducts*

\* Including flues and flue pipes

**91.060.50** *Doors and windows*

\* Including doorsets, their components, blinds, shutters

\* Door and window hardware, see 91.190

**91.060.99** *Other elements of buildings*

**91.080 Structures of buildings**

\* Including design, loading on and calculation of structures

**91.080.01** *Structures of buildings in general*

**91.080.10** *Metal structures*

**91.080.13** *Steel structures*

**91.080.17** *Aluminium structures*

**91.080.20** *Timber structures*

**91.080.30** *Masonry*

**91.080.40** *Concrete structures*

\* Including the repair and protection of concrete products and structures

**91.080.99** *Other structures*

**91.090 External structures**

\* Including fences, gates, arches, sheds, garages, etc.

**91.100 Construction materials**

\* Including sustainability of construction materials

\* Iron and steel products, see 77.140

\* Products of non-ferrous metals, see 77.150

\* Sawn timber, see 79.040

\* Wood-based panels, see 79.060

\* Glass, see 81.040.20

\* Plastics products, see 83.140

**91.100.01** *Construction materials in general*

**91.100.10** *Cement. Gypsum. Lime. Mortar*

**91.100.15** *Mineral materials and products*

\* Including earth, sands, clay, slates, stones, etc.

**91.100.23** *Ceramic tiles*

**91.100.25** *Terracotta building products*

\* Including roofing tiles, bricks, etc.

**91.100.30** *Concrete and concrete products*

\* Including admixtures

- 91.100.40** *Products in fibre-reinforced cement*
- 91.100.50** *Binders. Sealing materials*
  - \* Including geomembranes, asphalts for buildings, etc.
- 91.100.60** *Thermal and sound insulating materials*
- 91.100.99** *Other construction materials*

## **91.120 Protection of and in buildings**

- \* Emergencies in buildings, see 13.200
- \* Fire protection, see 13.220.20
- \* Fire resistance of building materials and elements, see 13.220.50
- \* Alarm and warning systems, see 13.320
- 91.120.01** *Protection of and in buildings in general*
- 91.120.10** *Thermal insulation of buildings*
  - \* Including energy efficiency of buildings
  - \* Energy efficiency in general, see 27.015
  - \* Thermal insulation in general, see 27.220
  - \* Thermal insulating materials, see 91.100.60
- 91.120.20** *Acoustics in building. Sound insulation*
  - \* Acoustic measurements and noise abatement in general, see 17.140.01
  - \* Sound insulating materials, see 91.100.60
- 91.120.25** *Seismic and vibration protection*
  - \* Vibrations and vibration measurements, see 17.160
- 91.120.30** *Waterproofing*
  - \* Sealing materials, see 91.100.50
- 91.120.40** *Lightning protection*
- 91.120.99** *Other standards related to protection of and in buildings*

## **91.140 Installations in buildings**

- \* Burners and boilers for industrial purposes, see 27.060
- \* Heat pumps, see 27.080
- 91.140.01** *Installations in buildings in general*
- 91.140.10** *Central heating systems*
  - \* Including burners and boilers for central heating systems
  - \* Heating appliances, see 97.100
  - \* Pipelines and its parts for district heat, see 23.040.07
- 91.140.30** *Ventilation and air-conditioning systems*
  - \* Including ventilation ducts
  - \* Ventilators and air-conditioners, see 23.120
- 91.140.40** *Gas supply systems*
  - \* Including gas meters in buildings
- 91.140.50** *Electricity supply systems*

\* Including electric energy meters in buildings, emergency electrical supplies, etc.

**91.140.60** *Water supply systems*

\* Including water meters in buildings

\* External water conveyance systems, see **93.025**

\* Pipelines and its parts for external water conveyance systems, see **23.040.03**

**91.140.65** *Water heating equipment*

**91.140.70** *Sanitary installations*

\* Including bidets, kitchen sinks, baths, waste chutes, etc.

**91.140.80** *Drainage systems*

\* Sewage water disposal and treatment, see **13.060.30**

\* Drainage systems for rainwater, see **91.060.20**

\* External sewage systems, see **93.030**

**91.140.90** *Lifts. Escalators*

**91.140.99** *Other installations in buildings*

**91.160 Lighting**

\* Including oil and gas lamps

\* Theatre, stage and studio lighting equipment, see **97.200.10**

**91.160.01** *Lighting in general*

**91.160.10** *Interior lighting*

\* Including workplace lighting, emergency and safety lighting

**91.160.20** *Exterior building lighting*

\* Including flood lighting

\* Street lighting and related equipment, see **93.080.40**

**91.180 Interior finishing**

\* Paint coating processes, see **87.020**

**91.190 Building accessories**

\* Including locks, buzzers, bells, bolts, door and window hardware, etc.

**91.200 Construction technology**

\* Including measuring methods, construction sites, demolition of structures, etc.

**91.220 Construction equipment**

\* Including scaffolding, mixers for concrete and mortar, etc.

\* Lifting equipment, see **53.020**

\* Earth-moving machinery, see **53.100**

# 93

## CIVIL ENGINEERING

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### **93.010 Civil engineering in general**

\* Construction drawings, see 01.100.30

### **93.020 Earthworks. Excavations. Foundation construction. Underground works**

\* Including geotechnics

\* Earth-moving machinery, see 53.100

### **93.025 External water conveyance systems**

\* Including buried and above ground installations

\* Internal water supply systems, see 91.140.60

\* Pipelines and its parts for external water conveyance systems, see 23.040.03

### **93.030 External sewage systems**

\* Sewage water disposal and treatment, see 13.060.30

\* Internal drainage systems, see 91.140.80

\* Pipelines and its parts for external sewage systems, see 23.040.05

### **93.040 Bridge construction**

### **93.060 Tunnel construction**

### **93.080 Road engineering**

#### **93.080.01** *Road engineering in general*

#### **93.080.10** *Road construction*

\* Including road maintenance equipment and road construction equipment

#### **93.080.20** *Road construction materials*

\* Including asphalts, road pavements, etc.

#### **93.080.30** *Road equipment and installations*

\* Including road traffic warning and control systems, devices and installations (speed controls, traffic signal installations, vehicle loop detectors, pavement markers, manholes, etc.)

#### **93.080.40** *Street lighting and related equipment*

#### **93.080.99** *Other standards related to road engineering*

### **93.100 Construction of railways**

\* Including the construction of tramways, funicular railways, cableways, rail traffic control equipment and installations, etc.

\* Rails and railway components, including track, see **45.080**

\* Equipment for railway/cableway construction and maintenance, see **45.120**

### **93.110 Construction of ropeway**

\* Ropeway equipment, see **45.100**

\* Equipment for ropeway construction and maintenance, see **45.120**

### **93.120 Construction of airports**

\* Including air transport control equipment and installations

### **93.140 Construction of waterways, ports and dykes**

\* Including river embankments, water transport control equipment and installations, etc.

### **93.160 Hydraulic construction**

\* Hydraulic energy equipment, see **27.140**

# 95

## **MILITARY AFFAIRS. MILITARY ENGINEERING. WEAPONS**

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### **95.020 Military in general**

\* Including defense procurement, defense standardization etc.

\* Military clothing, see 61.020

### **95.040 Military engineering**

### **95.060 Weapons**

# 97

## **DOMESTIC AND COMMERCIAL EQUIPMENT. ENTERTAINMENT. SPORTS**

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### **97.020 Home economics in general**

- \* Including consumer information
- \* Washing, cleaning and removal services, see 03.080.30
- \* Ventilators, air-conditioners, see 23.120
- \* Hand-held electric tools, see 25.140.20
- \* Household electronic appliances, see 33.160
- \* Clocks and watches, see 39.040
- \* Household sewing machines, see 61.080

### **97.030 Domestic electrical appliances in general**

- \* Including water-bed heaters and electric blankets

### **97.040 Kitchen equipment**

**97.040.01** *Kitchen equipment in general*

**97.040.10** *Kitchen furniture*

- \* Kitchen sinks, see 91.140.70

**97.040.20** *Cooking ranges, working tables, ovens and similar appliances*

- \* Including microwave ovens and stove hoods

**97.040.30** *Domestic refrigerating appliances*

- \* Refrigerating technology, see 27.200
- \* Refrigerated display cabinets and cold rooms, see 97.130.20

**97.040.40** *Dishwashers*

**97.040.50** *Small kitchen appliances*

- \* Including food waste disposal units

**97.040.60** *Cookware, cutlery and flatware*

- \* Including table cutlery and table ware

**97.040.99** *Other kitchen equipment*

### **97.060 Laundry appliances**

- \* Including washing-machines, dry-cleaners, driers, ironing and pressing appliances, etc.

## **97.080 Cleaning appliances**

\* Including vacuum cleaners, floor-cleaning machines, floor polishers, steam cleaners, pressure cleaners, hand operated cleaners, etc.

## **97.100 Domestic, commercial and industrial heating appliances**

\* Including thermal storage room heating appliances

\* Burners and boilers, see 27.060

\* Central heating systems, see 91.140.10

### **97.100.01** *Heating appliances in general*

### **97.100.10** *Electric heaters*

### **97.100.20** *Gas heaters*

### **97.100.30** *Solid fuel heaters*

### **97.100.40** *Liquid fuel heaters*

### **97.100.99** *Heaters using other sources of energy*

## **97.120 Automatic controls for household use**

## **97.130 Shop fittings**

### **97.130.01** *Shop fittings in general*

### **97.130.10** *Shelving*

\* Shelves for storage purposes, see 53.080

### **97.130.20** *Commercial refrigerating appliances*

\* Including refrigerated display cabinets, cold rooms, etc.

### **97.130.30** *Trolleys for supermarket purposes*

\* Including baskets

### **97.130.99** *Other shop fittings*

## **97.140 Furniture**

\* Including upholstery, mattresses, office furniture, school furniture, etc.

## **97.145 Ladders**

## **97.150 Floor coverings**

## **97.160 Home textiles. Linen**

\* Including duvets, blankets, bedding

\* Electric blankets, see 97.030

## **97.170 Body care equipment**

\* Including hair-driers, razors, shavers, toothbrushes, massage appliances, radiation skin treatment appliances, etc.

## **97.180 Miscellaneous domestic and commercial equipment**

\* Including scissors, aquarium equipment, articles for domestic animals, battery chargers, mops, insect electrocutors, lighters, matches, paper clips, pens, pencils, etc.



## **97.190 Equipment for children**

- \* Including child safety requirements for other household equipment
- \* Children's furniture, see 97.140
- \* Playgrounds, see 97.200.40
- \* Toys, see 97.200.50

## **97.195 Items of art and handicrafts. Cultural property and heritage**

- \* Including conservation of collections and equipment and materials for creating items of art and handicrafts

## **97.200 Equipment for entertainment**

- \* Audio and video systems, see 33.160
- \* Photography, see 37.040
- \* Cinematography, see 37.060

### **97.200.01** *Equipment for entertainment in general*

### **97.200.10** *Theatre, stage and studio equipment*

- \* Including lighting equipment

### **97.200.20** *Musical instruments*

### **97.200.30** *Camping equipment and camp-sites*

- \* Caravans, see 43.100

### **97.200.40** *Playgrounds*

- \* Including amusement rides and devices

### **97.200.50** *Toys*

- \* Including safety of toys

### **97.200.99** *Other equipment for entertainment*

## **97.220 Sports equipment and facilities**

- \* Motorcycles, see 43.140
- \* Cycles, see 43.150
- \* Leisure and tourism services, see 03.200

### **97.220.01** *Sports equipment and facilities in general*

### **97.220.10** *Sports facilities*

- \* Including swimming-pools, spas, solaria, sports fields, running-tracks, spectator facilities for sports, etc.

### **97.220.20** *Winter sports equipment*

- \* Including ice hockey, snowboard, and ski equipment

### **97.220.30** *Indoor sports equipment*

- \* Including equipment for gymnastics, volleyball, basketball, handball, home sports trainers, etc.

### **97.220.40** *Outdoor and water sports equipment*

- \* Including equipment for mountaineering, football, tennis, swimming, diving, etc.
- \* Personal flotation devices (life jackets), see 13.340.70
- \* Small craft, see 47.080
- \* Recreational diving services, see 03.200.99

### **97.220.99** *Other sports equipment and facilities*

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**(NO TITLE)**

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\*This field is reserved for internal miscellaneous purposes

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<b>11.180.20</b>	Aids • Aids for incontinence and ostomy
<b>11.180.30</b>	Aids • Aids for blind or partially sighted people
<b>11.180.40</b>	Aids • Aids for drinking and eating
<b>11.180.99</b>	Aids • Other standards related to aids for disabled and handicapped people
<b>13.340.70</b>	Aids • Lifejackets, buoyancy aids and flotation devices
<b>03.220.50</b>	Air • Air transport
<b>13.040</b>	Air • Air quality
<b>13.040.01</b>	Air • Air quality in general
<b>13.040.99</b>	Air • Other standards related to air quality
<b>47.020.90</b>	Air • Marine ventilation, air conditioning and heating systems
<b>55.180.30</b>	Air • Air mode containers, pallets and nets
<b>23.120</b>	Air-conditioners • Ventilators. Fans. Air-conditioners
<b>73.100.20</b>	Air-conditioning • Ventilation, air-conditioning and illumination equipment
<b>91.140.30</b>	Air-conditioning • Ventilation and air-conditioning systems
<b>43.060.20</b>	Air/exhaust • Pressure charging and air/exhaust gas ducting systems
<b>01.040.49</b>	Aircraft • Aircraft and space vehicle engineering (Vocabularies)
<b>49</b>	Aircraft • Aircraft and space vehicle engineering
<b>49.020</b>	Aircraft • Aircraft and space vehicles in general
<b>83.160.20</b>	Aircraft • Aircraft tyres
<b>93.120</b>	Airports • Construction of airports
<b>13.320</b>	Alarm • Alarm and warning systems
<b>67.160.10</b>	Alcoholic • Alcoholic beverages
<b>71.080.60</b>	Alcohols • Alcohols. Ethers
<b>71.080.80</b>	Aldehydes • Aldehydes and ketones
<b>71.080.10</b>	Aliphatic • Aliphatic hydrocarbons
<b>29.220.30</b>	Alkaline • Alkaline secondary cells and batteries
<b>49.025.05</b>	Alloys • Ferrous alloys in general
<b>49.025.15</b>	Alloys • Non-ferrous alloys in general

<b>77.120.10</b>	Alloys • Aluminium and aluminium alloys
<b>77.120.20</b>	Alloys • Magnesium and magnesium alloys
<b>77.120.30</b>	Alloys • Copper and copper alloys
<b>77.120.40</b>	Alloys • Nickel, chromium and their alloys
<b>77.120.50</b>	Alloys • Titanium and titanium alloys
<b>77.120.60</b>	Alloys • Lead, zinc, tin and their alloys
<b>77.120.70</b>	Alloys • Cadmium, cobalt and their alloys
<b>77.120.99</b>	Alloys • Other non-ferrous metals and their alloys
<b>27.190</b>	Alternative • Biological sources and alternative sources of energy
<b>31.060.50</b>	Aluminium • Aluminium electrolytic capacitors
<b>49.025.20</b>	Aluminium • Aluminium
<b>71.100.10</b>	Aluminium • Materials for aluminium production
<b>73.060.40</b>	Aluminium • Aluminium ores
<b>77.120.10</b>	Aluminium • Aluminium and aluminium alloys
<b>77.150.10</b>	Aluminium • Aluminium products
<b>91.080.17</b>	Aluminium • Aluminium structures
<b>13.040.20</b>	Ambient • Ambient atmospheres
<b>33.160.10</b>	Amplifiers • Amplifiers
<b>33.180.30</b>	Amplifiers • Optic amplifiers
<b>11.040.10</b>	Anaesthetic • Anaesthetic, respiratory and reanimation equipment
<b>11.100.30</b>	Analysis • Analysis of blood and urine
<b>19.120</b>	Analysis • Particle size analysis. Sieving
<b>67.050</b>	Analysis • General methods of tests and analysis for food products
<b>67.240</b>	Analysis • Sensory analysis
<b>71.040.40</b>	Analysis • Chemical analysis
<b>71.040.50</b>	Analysis • Physicochemical methods of analysis
<b>77.040.30</b>	Analysis • Chemical analysis of metals
<b>71.040</b>	Analytical • Analytical chemistry
<b>71.040.01</b>	Analytical • Analytical chemistry in general
<b>71.040.99</b>	Analytical • Other standards related to analytical chemistry
<b>17.040</b>	Angular • Linear and angular measurements
<b>17.040.01</b>	Angular • Linear and angular measurements in general
<b>17.040.99</b>	Angular • Other standards related to linear and angular measurements
<b>17.080</b>	Angular • Measurement of time, velocity, acceleration, angular velocity
<b>71.080.50</b>	Anhydrides • Anhydrides
<b>65.020.30</b>	Animal • Animal husbandry and breeding
<b>65.120</b>	Animal • Animal feeding stuffs
<b>67.120</b>	Animal • Meat, meat products and other animal produce
<b>67.120.01</b>	Animal • Animal produce in general
<b>67.120.99</b>	Animal • Other animal produce
<b>67.200.10</b>	Animal • Animal and vegetable fats and oils
<b>71.100.45</b>	Antifreezes • Refrigerants and antifreezes
<b>11.080.20</b>	Antiseptics • Disinfectants and antiseptics
<b>01.040.07</b>	Applied • Natural and applied sciences (Vocabularies)
<b>07</b>	Applied • Natural and applied sciences
<b>59.100.30</b>	Aramide • Aramide materials
<b>13.340.40</b>	Arm • Hand and arm protection
<b>71.080.15</b>	Aromatic • Aromatic hydrocarbons
<b>29.240.10</b>	Arresters • Substations. Surge arresters

<b>97.195</b>	Art • Items of art and handicrafts. Cultural property and heritage
<b>67.250</b>	Articles • Materials and articles in contact with foodstuffs
<b>21.080</b>	Articulated • Hinges, eyelets and other articulated joints
<b>23.040.70</b>	Assemblies • Hoses and hose assemblies
<b>23.040.80</b>	Assemblies • Seals for pipe and hose assemblies
<b>31.190</b>	Assemblies • Electronic component assemblies
<b>03.120.20</b>	Assessment • Product and company certification. Conformity assessment
<b>13.020.30</b>	Assessment • Environmental impact assessment
<b>03.120.10</b>	Assurance • Quality management and quality assurance
<b>07.040</b>	Astronomy • Astronomy. Geodesy. Geography
<b>13.040.20</b>	Atmospheres • Ambient atmospheres
<b>13.040.30</b>	Atmospheres • Workplace atmospheres
<b>29.260.20</b>	Atmospheres • Electrical apparatus for explosive atmospheres
<b>01.040.33</b>	Audio • Telecommunications. Audio and video engineering (Vocabularies)
<b>33</b>	Audio • Telecommunications. Audio and video engineering
<b>33.160</b>	Audio • Audio, video and audiovisual engineering
<b>33.160.01</b>	Audio • Audio, video and audiovisual systems in general
<b>33.160.30</b>	Audio • Audio systems
<b>33.160.99</b>	Audio • Other audio, video and audiovisual equipment
<b>35.040.40</b>	Audio • Coding of audio, video, multimedia and hypermedia information
<b>33.160</b>	Audiovisual • Audio, video and audiovisual engineering
<b>33.160.01</b>	Audiovisual • Audio, video and audiovisual systems in general
<b>33.160.99</b>	Audiovisual • Other audio, video and audiovisual equipment
<b>35.040.50</b>	Automatic • Automatic identification and data capture techniques
<b>97.120</b>	Automatic • Automatic controls for household use
<b>25.040</b>	Automation • Industrial automation systems
<b>25.040.01</b>	Automation • Industrial automation systems in general
<b>25.040.99</b>	Automation • Other industrial automation systems

## B

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<b>55.080</b>	Bags • Sacks. Bags
<b>21.120.40</b>	Balancing • Balancing and balancing machines
<b>23.060.20</b>	Ball • Ball and plug valves
<b>03.060</b>	Banking • Finances. Banking. Monetary systems. Insurance
<b>35.240.40</b>	Banking • IT applications in banking
<b>55.140</b>	Barrels • Barrels. Drums. Canisters
<b>77.140.60</b>	Bars • Steel bars and rods
<b>71.060.40</b>	Bases • Bases
<b>29.220</b>	Batteries • Galvanic cells and batteries
<b>29.220.01</b>	Batteries • Galvanic cells and batteries in general
<b>29.220.10</b>	Batteries • Primary cells and batteries
<b>29.220.20</b>	Batteries • Acid secondary cells and batteries
<b>29.220.30</b>	Batteries • Alkaline secondary cells and batteries
<b>29.220.99</b>	Batteries • Other cells and batteries

<b>21.100</b>	Bearings • Bearings
<b>21.100.01</b>	Bearings • Bearings in general
<b>21.100.10</b>	Bearings • Plain bearings
<b>21.100.20</b>	Bearings • Rolling bearings
<b>65.140</b>	Beekeeping • Beekeeping
<b>13.220.40</b>	Behaviour • Ignitability and burning behaviour of materials and products
<b>13.140</b>	Beings • Noise with respect to human beings
<b>13.160</b>	Beings • Vibration and shock with respect to human beings
<b>21.220.10</b>	Belt • Belt drives and their components
<b>67.160</b>	Beverages • Beverages
<b>67.160.01</b>	Beverages • Beverages in general
<b>67.160.10</b>	Beverages • Alcoholic beverages
<b>67.160.20</b>	Beverages • Non-alcoholic beverages
<b>87.060.20</b>	Binders • Binders
<b>91.100.50</b>	Binders • Binders. Sealing materials
<b>13.020.55</b>	Biobased • Biobased products
<b>75.160.40</b>	Biofuels • Biofuels
<b>11.100.20</b>	Biological • Biological evaluation of medical devices
<b>13.060.70</b>	Biological • Examination of biological properties of water
<b>13.080.30</b>	Biological • Biological properties of soils
<b>27.190</b>	Biological • Biological sources and alternative sources of energy
<b>07.080</b>	Biology • Biology. Botany. Zoology
<b>35.240.15</b>	Biometrics • Identification cards. Chip cards. Biometrics
<b>11.200</b>	Birth • Birth control. Mechanical contraceptives
<b>75.140</b>	Bituminous • Waxes, bituminous materials and other petroleum products
<b>11.180.30</b>	Blind • Aids for blind or partially sighted people
<b>43.060.10</b>	Block • Engine block and internal components
<b>11.100.30</b>	Blood • Analysis of blood and urine
<b>29.035.10</b>	Board • Paper and board insulating materials
<b>43.040.15</b>	Board • Car informatics. On board computer systems
<b>85.060</b>	Board • Paper and board
<b>31.180</b>	Boards • Printed circuits and boards
<b>79.060.20</b>	Boards • Fibre and particle boards
<b>55.060</b>	Bobbins • Spools. Bobbins
<b>43.040.60</b>	Bodies • Bodies and body components
<b>43.040.60</b>	Body • Bodies and body components
<b>97.170</b>	Body • Body care equipment
<b>27.060</b>	Boilers • Burners. Boilers
<b>27.060.01</b>	Boilers • Burners and boilers in general
<b>27.060.30</b>	Boilers • Boilers and heat exchangers
<b>21.060.10</b>	Bolts • Bolts, screws, studs
<b>49.030.20</b>	Bolts • Bolts, screws, studs
<b>25.080.20</b>	Boring • Boring and milling machines
<b>07.080</b>	Botany • Biology. Botany. Zoology
<b>55.100</b>	Bottles • Bottles. Pots. Jars
<b>55.160</b>	Boxes • Cases. Boxes. Crates
<b>43.040.40</b>	Braking • Braking systems
<b>25.160</b>	Brazing • Welding, brazing and soldering
<b>25.160.01</b>	Brazing • Welding, brazing and soldering in general

<b>25.160.50</b>	Brazing • Brazing and soldering
<b>65.020.30</b>	Breeding • Animal husbandry and breeding
<b>65.150</b>	Breeding • Fishing and fish breeding
<b>93.040</b>	Bridge • Bridge construction
<b>25.080.30</b>	Broaching • Broaching machines
<b>25.100.25</b>	Broaching • Tools for planing and broaching machines
<b>33.170</b>	Broadcasting • Television and radio broadcasting
<b>01.040.91</b>	Building • Construction materials and building (Vocabularies)
<b>13.220.50</b>	Building • Fire-resistance of building materials and elements
<b>35.240.67</b>	Building • IT applications in building and construction industry
<b>81.040.20</b>	Building • Glass in building
<b>91</b>	Building • Construction materials and building
<b>91.100.25</b>	Building • Terracotta building products
<b>91.120.20</b>	Building • Acoustics in building, Sound insulation
<b>91.160.20</b>	Building • Exterior building lighting
<b>91.190</b>	Building • Building accessories
<b>65.040</b>	Buildings • Farm buildings, structures and installations
<b>65.040.01</b>	Buildings • Farm buildings and installations in general
<b>65.040.10</b>	Buildings • Livestock buildings, installations and equipment
<b>65.040.20</b>	Buildings • Buildings and installations for processing and storage of agricultural produce
<b>65.040.99</b>	Buildings • Other standards related to farm buildings and installations
<b>91.040</b>	Buildings • Buildings
<b>91.040.01</b>	Buildings • Buildings in general
<b>91.040.10</b>	Buildings • Public buildings
<b>91.040.20</b>	Buildings • Buildings for commerce and industry
<b>91.040.30</b>	Buildings • Residential buildings
<b>91.040.99</b>	Buildings • Other buildings
<b>91.060</b>	Buildings • Elements of buildings
<b>91.060.01</b>	Buildings • Elements of buildings in general
<b>91.060.99</b>	Buildings • Other elements of buildings
<b>91.080</b>	Buildings • Structures of buildings
<b>91.080.01</b>	Buildings • Structures of buildings in general
<b>91.120</b>	Buildings • Protection of and in buildings
<b>91.120.01</b>	Buildings • Protection of and in buildings in general
<b>91.120.10</b>	Buildings • Thermal insulation of buildings
<b>91.120.99</b>	Buildings • Other standards related to protection of and in buildings
<b>91.140</b>	Buildings • Installations in buildings
<b>91.140.01</b>	Buildings • Installations in buildings in general
<b>91.140.99</b>	Buildings • Other installations in buildings
<b>13.340.70</b>	Buoyancy • Lifejackets, buoyancy aids and flotation devices
<b>27.060</b>	Burners • Burners. Boilers
<b>27.060.01</b>	Burners • Burners and boilers in general
<b>27.060.10</b>	Burners • Liquid and solid fuel burners
<b>27.060.20</b>	Burners • Gas fuel burners
<b>13.220.40</b>	Burning • Ignitability and burning behaviour of materials and products
<b>43.080.20</b>	Buses • Buses
<b>21.060.60</b>	Bushes • Rings, bushes, sleeves, collars
<b>29.080.20</b>	Bushings • Bushings
<b>67.100.20</b>	Butter • Butter



# C

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<b>49.095</b>	Cabin • Passenger and cabin equipment
<b>21.220.20</b>	Cable • Cable or rope drives and their components
<b>33.060.40</b>	Cabled • Cabled distribution systems
<b>29.060</b>	Cables • Electrical wires and cables
<b>29.060.01</b>	Cables • Electrical wires and cables in general
<b>29.060.20</b>	Cables • Cables
<b>33.120.10</b>	Cables • Coaxial cables. Waveguides
<b>33.120.20</b>	Cables • Wires and symmetrical cables
<b>33.180.10</b>	Cables • Fibres and cables
<b>45.100</b>	Cableway • Cableway equipment
<b>35.240.10</b>	Cad • Computer-aided design (CAD)
<b>77.120.70</b>	Cadmium • Cadmium, cobalt and their alloys
<b>77.150.70</b>	Cadmium • Cadmium and cobalt products
<b>17.200.10</b>	Calorimetry • Heat. Calorimetry
<b>97.200.30</b>	Camp-sites • Camping equipment and camp-sites
<b>97.200.30</b>	Camping • Camping equipment and camp-sites
<b>55.140</b>	Canisters • Barrels. Drums. Canisters
<b>55.120</b>	Cans • Cans. Tins. Tubes
<b>31.060</b>	Capacitors • Capacitors
<b>31.060.01</b>	Capacitors • Capacitors in general
<b>31.060.10</b>	Capacitors • Fixed capacitors
<b>31.060.20</b>	Capacitors • Ceramic and mica capacitors
<b>31.060.30</b>	Capacitors • Paper and plastics capacitors
<b>31.060.40</b>	Capacitors • Tantalum electrolytic capacitors
<b>31.060.50</b>	Capacitors • Aluminium electrolytic capacitors
<b>31.060.60</b>	Capacitors • Variable capacitors
<b>31.060.70</b>	Capacitors • Power capacitors
<b>31.060.99</b>	Capacitors • Other capacitors
<b>29.140.10</b>	Caps • Lamp caps and holders
<b>35.040.50</b>	Capture • Automatic identification and data capture techniques
<b>43.040.15</b>	Car • Car informatics. On board computer systems
<b>43.100</b>	Caravans • Passenger cars. Caravans and light trailers
<b>59.100.20</b>	Carbon • Carbon materials
<b>85.080.30</b>	Cardboard • Cardboard
<b>35.220.10</b>	Cards • Paper cards and tapes
<b>35.240.15</b>	Cards • Identification cards. Chip cards. Biometrics
<b>01.040.11</b>	Care • Health care technology (Vocabularies)
<b>11</b>	Care • Health care technology
<b>11.020</b>	Care • Medical sciences and health care facilities in general
<b>11.020.01</b>	Care • Quality and environmental management in health care
<b>11.020.10</b>	Care • Health care services in general
<b>11.020.99</b>	Care • Other standards related to health care in general

<b>35.240.80</b>	Care • IT applications in health care technology
<b>65.060.40</b>	Care • Plant care equipment
<b>97.170</b>	Care • Body care equipment
<b>47.020.40</b>	Cargo • Lifting and cargo handling equipment
<b>47.020.85</b>	Cargo • Cargo spaces
<b>49.120</b>	Cargo • Cargo equipment
<b>43.100</b>	Cars • Passenger cars. Caravans and light trailers
<b>35.220.23</b>	Cartridges • Cassettes and cartridges for magnetic tapes
<b>37.040.20</b>	Cartridges • Photographic paper, films and plates. Cartridges
<b>37.060.20</b>	Cartridges • Motion picture films. Cartridges
<b>55.160</b>	Cases • Cases. Boxes. Crates
<b>35.220.23</b>	Cassettes • Cassettes and cartridges for magnetic tapes
<b>77.140.80</b>	Castings • Iron and steel castings
<b>11.040.25</b>	Catheters • Syringes, needles and catheters
<b>91.060.30</b>	Ceilings • Ceilings. Floors. Stairs
<b>27.070</b>	Cells • Fuel cells
<b>29.220</b>	Cells • Galvanic cells and batteries
<b>29.220.01</b>	Cells • Galvanic cells and batteries in general
<b>29.220.10</b>	Cells • Primary cells and batteries
<b>29.220.20</b>	Cells • Acid secondary cells and batteries
<b>29.220.30</b>	Cells • Alkaline secondary cells and batteries
<b>29.220.99</b>	Cells • Other cells and batteries
<b>83.100</b>	Cellular • Cellular materials
<b>91.100.10</b>	Cement • Cement. Gypsum. Lime. Mortar
<b>91.100.40</b>	Cement • Products in fibre-reinforced cement
<b>91.140.10</b>	Central • Central heating systems
<b>25.040.10</b>	Centres • Machining centres
<b>29.035.30</b>	Ceramic • Glass and ceramic insulating materials
<b>31.060.20</b>	Ceramic • Ceramic and mica capacitors
<b>81.060.20</b>	Ceramic • Ceramic products
<b>91.100.23</b>	Ceramic • Ceramic tiles
<b>01.040.81</b>	Ceramics • Glass and ceramics industries (Vocabularies)
<b>81</b>	Ceramics • Glass and ceramics industries
<b>81.020</b>	Ceramics • Processes in the glass and ceramics industries
<b>81.060</b>	Ceramics • Ceramics
<b>81.060.01</b>	Ceramics • Ceramics in general
<b>81.060.30</b>	Ceramics • Advanced ceramics
<b>81.060.99</b>	Ceramics • Other standards related to ceramics
<b>81.100</b>	Ceramics • Equipment for the glass and ceramics industries
<b>67.060</b>	Cereals • Cereals, pulses and derived products
<b>03.120.20</b>	Certification • Product and company certification. Conformity assessment
<b>21.220.30</b>	Chain • Chain drives and their components
<b>77.140.65</b>	Chains • Steel wire, wire ropes and link chains
<b>17.120.20</b>	Channels • Flow in open channels
<b>01.075</b>	Character • Character symbols
<b>35.040.10</b>	Character • Coding of character sets
<b>43.060.20</b>	Charging • Pressure charging and air/exhaust gas ducting systems
<b>01.080.40</b>	Charts • Graphical symbols for use on electrical and electronics engineering drawings, diagrams, charts and in relevant technical product documentation

<b>23.060.50</b>	Check • Check valves
<b>67.100.30</b>	Cheese • Cheese
<b>37.040.30</b>	Chemicals • Photographic chemicals
<b>71.060</b>	Chemicals • Inorganic chemicals
<b>71.060.01</b>	Chemicals • Inorganic chemicals in general
<b>71.060.99</b>	Chemicals • Other inorganic chemicals
<b>71.080</b>	Chemicals • Organic chemicals
<b>71.080.01</b>	Chemicals • Organic chemicals in general
<b>71.080.99</b>	Chemicals • Other organic chemicals
<b>71.100.35</b>	Chemicals • Chemicals for industrial and domestic disinfection purposes
<b>71.100.50</b>	Chemicals • Wood-protecting chemicals
<b>71.100.80</b>	Chemicals • Chemicals for purification of water
<b>07.030</b>	Chemistry • Physics. Chemistry
<b>71.040</b>	Chemistry • Analytical chemistry
<b>71.040.01</b>	Chemistry • Analytical chemistry in general
<b>71.040.99</b>	Chemistry • Other standards related to analytical chemistry
<b>97.190</b>	Children • Equipment for children
<b>91.060.40</b>	Chimneys • Chimneys, shafts, ducts
<b>35.240.15</b>	Chip • Identification cards. Chip cards. Biometrics
<b>25.120</b>	Chipless • Chipless working equipment
<b>25.120.01</b>	Chipless • Chipless working equipment in general
<b>25.120.99</b>	Chipless • Other chipless working equipment
<b>67.190</b>	Chocolate • Chocolate
<b>73.060.30</b>	Chromium • Chromium ores
<b>77.120.40</b>	Chromium • Nickel, chromium and their alloys
<b>77.150.40</b>	Chromium • Nickel and chromium products
<b>37.060</b>	Cinematography • Cinematography
<b>37.060.01</b>	Cinematography • Cinematography in general
<b>37.060.99</b>	Cinematography • Other standards related to cinematography
<b>31.180</b>	Circuits • Printed circuits and boards
<b>31.200</b>	Circuits • Integrated circuits. Microelectronics
<b>33.040.50</b>	Circuits • Lines, connections and circuits
<b>01.040.93</b>	Civil • Civil engineering (Vocabularies)
<b>93</b>	Civil • Civil engineering
<b>93.010</b>	Civil • Civil engineering in general
<b>21.060.70</b>	Clamps • Clamps and staples
<b>97.080</b>	Cleaning • Cleaning appliances
<b>13.040.35</b>	Cleanrooms • Cleanrooms and associated controlled environments
<b>39.040.20</b>	Clocks • Clocks
<b>17.120.10</b>	Closed • Flow in closed conduits
<b>61.020</b>	Clothes • Clothes
<b>01.040.61</b>	Clothing • Clothing industry (Vocabularies)
<b>13.340.10</b>	Clothing • Protective clothing
<b>61</b>	Clothing • Clothing industry
<b>61.040</b>	Clothing • Headgear. Clothing accessories. Fastening of clothing
<b>61.080</b>	Clothing • Sewing machines and other equipment for the clothing industry
<b>35.210</b>	Cloud • Cloud computing
<b>73.040</b>	Coals • Coals
<b>59.080.40</b>	Coated • Coated fabrics

<b>25.220</b>	Coating • Surface treatment and coating
<b>25.220.01</b>	Coating • Surface treatment and coating in general
<b>87.020</b>	Coating • Paint coating processes
<b>87.100</b>	Coating • Paint coating equipment
<b>25.220.40</b>	Coatings • Metallic coatings
<b>25.220.60</b>	Coatings • Organic coatings
<b>25.220.99</b>	Coatings • Other treatments and coatings
<b>49.040</b>	Coatings • Coatings and related processes used in aerospace industry
<b>33.120.10</b>	Coaxial • Coaxial cables. Waveguides
<b>77.120.70</b>	Cobalt • Cadmium, cobalt and their alloys
<b>77.150.70</b>	Cobalt • Cadmium and cobalt products
<b>67.140</b>	Cocoa • Tea. Coffee. Cocoa
<b>67.140.30</b>	Cocoa • Cocoa
<b>01.070</b>	Coding • Colour coding
<b>35.040</b>	Coding • Information coding
<b>35.040.01</b>	Coding • Information coding in general
<b>35.040.10</b>	Coding • Coding of character sets
<b>35.040.30</b>	Coding • Coding of graphical and photographic information
<b>35.040.40</b>	Coding • Coding of audio, video, multimedia and hypermedia information
<b>35.040.99</b>	Coding • Other standards related to information coding
<b>67.140</b>	Coffee • Tea. Coffee. Cocoa
<b>67.140.20</b>	Coffee • Coffee and coffee substitutes
<b>21.060.60</b>	Collars • Rings, bushes, sleeves, collars
<b>01.040.87</b>	Colour • Paint and colour industries (Vocabularies)
<b>01.070</b>	Colour • Colour coding
<b>87</b>	Colour • Paint and colour industries
<b>17.180.20</b>	Colours • Colours and measurement of light
<b>71.120.20</b>	Columns • Columns
<b>27.020</b>	Combustion • Internal combustion engines
<b>43.060</b>	Combustion • Internal combustion engines for road vehicles
<b>43.060.01</b>	Combustion • Internal combustion engines for road vehicles in general
<b>43.060.99</b>	Combustion • Other components and systems of internal combustion engines
<b>01.140.30</b>	Commerce • Documents in administration, commerce and industry
<b>91.040.20</b>	Commerce • Buildings for commerce and industry
<b>01.040.97</b>	Commercial • Domestic and commercial equipment. Entertainment. Sports (Vocabularies)
<b>03.100.20</b>	Commercial • Trade. Commercial function. Marketing
<b>43.080</b>	Commercial • Commercial vehicles
<b>43.080.01</b>	Commercial • Commercial vehicles in general
<b>43.080.99</b>	Commercial • Other commercial vehicles
<b>97</b>	Commercial • Domestic and commercial equipment. Entertainment. Sports
<b>97.100</b>	Commercial • Domestic, commercial and industrial heating appliances
<b>97.130.20</b>	Commercial • Commercial refrigerating appliances
<b>97.180</b>	Commercial • Miscellaneous domestic and commercial equipment
<b>33.040.40</b>	Communication • Data communication networks
<b>33.070.50</b>	Communication • Global System for Mobile Communication (GSM)
<b>33.060.30</b>	Communications • Radio relay and fixed satellite communications systems
<b>33.180</b>	Communications • Fibre optic communications
<b>03.080.20</b>	Companies • Services for companies

<b>01.040.03</b>	Company • Services. Company organization, management and quality. Administration. Transport. Sociology. (Vocabularies)
<b>03</b>	Company • Services. Company organization, management and quality. Administration. Transport. Sociology
<b>03.100</b>	Company • Company organization and management. Management systems
<b>03.100.01</b>	Company • Company organization and management in general
<b>03.100.99</b>	Company • Other standards related to company organization and management
<b>03.120.20</b>	Company • Product and company certification. Conformity assessment
<b>33.100</b>	Compatibility • Electromagnetic compatibility (EMC)
<b>33.100.01</b>	Compatibility • Electromagnetic compatibility in general
<b>59.100</b>	Composites • Materials for the reinforcement of composites
<b>59.100.01</b>	Composites • Materials for the reinforcement of composites in general
<b>59.100.99</b>	Composites • Other materials for the reinforcement of composites
<b>83.040.20</b>	Compounding • Rubber compounding ingredients
<b>71.080.30</b>	Compounds • Organic nitrogen compounds
<b>11.120.20</b>	Compresses • Wound dressings and compresses
<b>23.140</b>	Compressors • Compressors and pneumatic machines
<b>35.140</b>	Computer • Computer graphics
<b>43.040.15</b>	Computer • Car informatics. On board computer systems
<b>35.240.10</b>	Computer-aided • Computer-aided design (CAD)
<b>35.210</b>	Computing • Cloud computing
<b>73.060</b>	Concentrates • Metalliferous minerals and their concentrates
<b>77.140.15</b>	Concrete • Steels for reinforcement of concrete
<b>91.080.40</b>	Concrete • Concrete structures
<b>91.100.30</b>	Concrete • Concrete and concrete products
<b>67.220</b>	Condiments • Spices and condiments. Food additives
<b>67.220.10</b>	Condiments • Spices and condiments
<b>47.020.90</b>	Conditioning • Marine ventilation, air conditioning and heating systems
<b>19.020</b>	Conditions • Test conditions and procedures in general
<b>29.260</b>	Conditions • Electrical equipment for working in special conditions
<b>29.260.01</b>	Conditions • Electrical equipment for working in special conditions in general
<b>29.260.99</b>	Conditions • Other electrical equipment for working in special conditions
<b>29.050</b>	Conducting • Superconductivity and conducting materials
<b>17.120.10</b>	Conduits • Flow in closed conduits
<b>29.120.10</b>	Conduits • Conduits for electrical purposes
<b>67.100.40</b>	Confectionery • Ice cream and ice confectionery
<b>03.120.20</b>	Conformity • Product and company certification. Conformity assessment
<b>29.120.20</b>	Connecting • Connecting devices
<b>33.040.50</b>	Connections • Lines, connections and circuits
<b>31.220.10</b>	Connectors • Plug-and-socket devices. Connectors
<b>33.120.30</b>	Connectors • RF connectors
<b>13.020.40</b>	Conservation • Pollution, pollution control and conservation
<b>27.015</b>	Conservation • Energy efficiency. Energy conservation in general
<b>01.040.91</b>	Construction • Construction materials and building (Vocabularies)
<b>01.080.30</b>	Construction • Graphical symbols for use on mechanical engineering and construction drawings, diagrams, plans, maps and in relevant technical product documentation
<b>01.100.30</b>	Construction • Construction drawings
<b>35.240.67</b>	Construction • IT applications in building and construction industry
<b>45.120</b>	Construction • Equipment for railway/cableway construction and maintenance

<b>49.025</b>	Construction • Materials for aerospace construction
<b>49.025.01</b>	Construction • Materials for aerospace construction in general
<b>49.030</b>	Construction • Fasteners for aerospace construction
<b>49.035</b>	Construction • Components for aerospace construction
<b>91</b>	Construction • Construction materials and building
<b>91.010</b>	Construction • Construction industry
<b>91.010.01</b>	Construction • Construction industry in general
<b>91.100</b>	Construction • Construction materials
<b>91.100.01</b>	Construction • Construction materials in general
<b>91.100.99</b>	Construction • Other construction materials
<b>91.200</b>	Construction • Construction technology
<b>91.220</b>	Construction • Construction equipment
<b>93.020</b>	Construction • Earthworks. Excavations. Foundation construction. Underground works
<b>93.040</b>	Construction • Bridge construction
<b>93.060</b>	Construction • Tunnel construction
<b>93.080.10</b>	Construction • Road construction
<b>93.080.20</b>	Construction • Road construction materials
<b>93.100</b>	Construction • Construction of railways
<b>93.110</b>	Construction • Construction of ropeways
<b>93.120</b>	Construction • Construction of airports
<b>93.140</b>	Construction • Construction of waterways, ports and dykes
<b>93.160</b>	Construction • Hydraulic construction
<b>25.160.20</b>	Consumables • Welding consumables
<b>03.080.30</b>	Consumers • Services for consumers
<b>67.250</b>	Contact • Materials and articles in contact with foodstuffs
<b>23.020.10</b>	Containers • Stationary containers and tanks
<b>23.020.20</b>	Containers • Vessels and containers mounted on vehicles
<b>55.130</b>	Containers • Aerosol containers
<b>55.180.10</b>	Containers • General purpose containers
<b>55.180.30</b>	Containers • Air mode containers, pallets and nets
<b>23.100.60</b>	Contamination • Filters, seals and contamination of fluids
<b>53.040</b>	Continuous • Continuous handling equipment
<b>53.040.01</b>	Continuous • Continuous handling equipment in general
<b>53.040.99</b>	Continuous • Other continuous handling equipment
<b>11.200</b>	Contraceptives • Birth control. Mechanical contraceptives
<b>91.010.20</b>	Contractual • Contractual aspects
<b>11.200</b>	Control • Birth control. Mechanical contraceptives
<b>13.020.40</b>	Control • Pollution, pollution control and conservation
<b>13.200</b>	Control • Accident and disaster control
<b>23.100.50</b>	Control • Control components
<b>25.040.40</b>	Control • Industrial process measurement and control
<b>29.240.30</b>	Control • Control equipment for electric power systems
<b>43.040.30</b>	Control • Indicating and control devices
<b>43.060.50</b>	Control • Electrical and electronic equipment. Control systems
<b>47.020.70</b>	Control • Navigation and control equipment
<b>29.130</b>	Controlgear • Switchgear and controlgear
<b>29.130.01</b>	Controlgear • Switchgear and controlgear in general
<b>29.130.10</b>	Controlgear • High voltage switchgear and controlgear
<b>29.130.20</b>	Controlgear • Low voltage switchgear and controlgear

<b>29.130.99</b>	Controlgear • Other switchgear and controlgear
<b>13.040.35</b>	Controlled • Cleanrooms and associated controlled environments
<b>25.040.20</b>	Controlled • Numerically controlled machines
<b>97.120</b>	Controls • Automatic controls for household use
<b>29.200</b>	Converters • Rectifiers. Converters. Stabilized power supply
<b>23.040.03</b>	Conveyance • Pipelines and its parts for external water conveyance systems
<b>93.025</b>	Conveyance • External water conveyance systems
<b>53.040.10</b>	Conveyors • Conveyors
<b>53.040.20</b>	Conveyors • Components for conveyors
<b>97.040.20</b>	Cooking • Cooking ranges, working tables, ovens and similar appliances
<b>97.040.60</b>	Cookware • Cookware, cutlery and flatware
<b>43.060.30</b>	Cooling • Cooling systems. Lubricating systems
<b>01.020</b>	Coordination • Terminology (principles and coordination)
<b>77.120.30</b>	Copper • Copper and copper alloys
<b>77.150.30</b>	Copper • Copper products
<b>33.070.30</b>	Cordless • Digital Enhanced Cordless Telecommunications (DECT)
<b>79.100</b>	Cork • Cork and cork products
<b>77.060</b>	Corrosion • Corrosion of metals
<b>07.100.40</b>	Cosmetics • Cosmetics microbiology
<b>71.100.70</b>	Cosmetics • Cosmetics. Toiletries
<b>25.100.30</b>	Countersinks • Drills, countersinks, reamers
<b>29.120.30</b>	Couplers • Plugs, socket-outlets, couplers
<b>21.120</b>	Couplings • Shafts and couplings
<b>21.120.01</b>	Couplings • Shafts and couplings in general
<b>21.120.20</b>	Couplings • Couplings
<b>21.120.99</b>	Couplings • Other standards related to shafts and couplings
<b>23.040.60</b>	Couplings • Flanges, couplings and joints
<b>23.100.40</b>	Couplings • Piping and couplings
<b>43.040.70</b>	Couplings • Couplings
<b>97.150</b>	Coverings • Floor coverings
<b>47.080</b>	Craft • Small craft
<b>53.020.20</b>	Cranes • Cranes
<b>43.040.80</b>	Crash • Crash protection and restraint systems
<b>55.160</b>	Crates • Cases. Boxes. Crates
<b>67.100.40</b>	Cream • Ice cream and ice confectionery
<b>13.310</b>	Crime • Protection against crime
<b>75.040</b>	Crude • Crude petroleum
<b>23.020.40</b>	Cryogenic • Cryogenic vessels
<b>97.195</b>	Cultural • Items of art and handicrafts. Cultural property and heritage
<b>97.040.60</b>	Cutlery • Cookware, cutlery and flatware
<b>25.100</b>	Cutting • Cutting tools
<b>25.100.01</b>	Cutting • Cutting tools in general
<b>25.100.99</b>	Cutting • Other cutting tools
<b>43.150</b>	Cycles • Cycles
<b>23.020.35</b>	Cylinders • Gas cylinders
<b>23.100.20</b>	Cylinders • Cylinders

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<b>13.300</b>	Dangerous • Protection against dangerous goods
<b>33.040.40</b>	Data • Data communication networks
<b>35.040.50</b>	Data • Automatic identification and data capture techniques
<b>35.100.20</b>	Data • Data link layer
<b>35.220</b>	Data • Data storage devices
<b>35.220.01</b>	Data • Data storage devices in general
<b>35.220.99</b>	Data • Other data storage devices
<b>11.180.15</b>	Deaf • Aids for deaf and hearing impaired people
<b>47.020.50</b>	Deck • Deck equipment and installations
<b>33.070.30</b>	Dect • Digital Enhanced Cordless Telecommunications (DECT)
<b>03.020</b>	Demography • Sociology. Demography
<b>17.060</b>	Density • Measurement of volume, mass, density, viscosity
<b>11.060.10</b>	Dental • Dental materials
<b>11.060.15</b>	Dental • Dental implants
<b>11.060.20</b>	Dental • Dental equipment
<b>11.060.25</b>	Dental • Dental instruments
<b>11.060</b>	Dentistry • Dentistry
<b>11.060.01</b>	Dentistry • Dentistry in general
<b>21.020</b>	Design • Characteristics and design of machines, apparatus, equipment
<b>35.240.10</b>	Design • Computer-aided design (CAD)
<b>03.100.40</b>	Development • Research and development
<b>11.040.55</b>	Diagnostic • Diagnostic equipment
<b>11.100.10</b>	Diagnostic • In vitro diagnostic test systems
<b>43.180</b>	Diagnostic • Diagnostic, maintenance and test equipment
<b>01.080.30</b>	Diagrams • Graphical symbols for use on mechanical engineering and construction drawings, diagrams, plans, maps and in relevant technical product documentation
<b>01.080.40</b>	Diagrams • Graphical symbols for use on electrical and electronics engineering drawings, diagrams, charts and in relevant technical product documentation
<b>25.100.50</b>	Dies • Taps and threading dies
<b>33.070.30</b>	Digital • Digital Enhanced Cordless Telecommunications (DECT)
<b>33.080</b>	Digital • Integrated Services Digital Network (ISDN)
<b>31.080.10</b>	Diodes • Diodes
<b>11.180</b>	Disabled • Aids for disabled or handicapped persons
<b>11.180.01</b>	Disabled • Aids for disabled and handicapped persons in general
<b>11.180.99</b>	Disabled • Other standards related to aids for disabled and handicapped people
<b>13.200</b>	Disaster • Accident and disaster control
<b>29.140.30</b>	Discharge • Fluorescent lamps. Discharge lamps
<b>97.040.40</b>	Dishwashers • Dishwashers
<b>11.080.20</b>	Disinfectants • Disinfectants and antiseptics
<b>11.080</b>	Disinfection • Sterilization and disinfection
<b>11.080.01</b>	Disinfection • Sterilization and disinfection in general
<b>11.080.99</b>	Disinfection • Other standards related to sterilization and disinfection



<b>71.100.35</b>	Disinfection • Chemicals for industrial and domestic disinfection purposes
<b>35.220.21</b>	Disks • Magnetic disks
<b>31.120</b>	Display • Electronic display devices
<b>13.030.40</b>	Disposal • Installations and equipment for waste disposal and treatment
<b>01.040.55</b>	Distribution • Packaging and distribution of goods (Vocabularies)
<b>29.240</b>	Distribution • Power transmission and distribution networks
<b>29.240.01</b>	Distribution • Power transmission and distribution networks in general
<b>29.240.20</b>	Distribution • Power transmission and distribution lines
<b>29.240.99</b>	Distribution • Other equipment related to power transmission and distribution networks
<b>33.060.40</b>	Distribution • Cabled distribution systems
<b>55</b>	Distribution • Packaging and distribution of goods
<b>55.020</b>	Distribution • Packaging and distribution of goods in general
<b>55.180</b>	Distribution • Freight distribution of goods
<b>55.180.01</b>	Distribution • Freight distribution of goods in general
<b>55.180.99</b>	Distribution • Other standards related to freight distribution of goods
<b>55.230</b>	Distribution • Distribution and vending machines
<b>65.060.25</b>	Distribution • Equipment for storage, preparation and distribution of fertilizers
<b>23.040.07</b>	District • Pipelines and its parts for district heat
<b>25.060.20</b>	Dividing • Dividing and tool-workpiece holding devices
<b>37.080</b>	Document • Document imaging applications
<b>01</b>	Documentation • Generalities. Terminology. Standardization. Documentation
<b>01.040.01</b>	Documentation • Generalities. Terminology. Standardization. Documentation (Vocabularies)
<b>01.080.30</b>	Documentation • Graphical symbols for use on mechanical engineering and construction drawings, diagrams, plans, maps and in relevant technical product documentation
<b>01.080.40</b>	Documentation • Graphical symbols for use on electrical and electronics engineering drawings, diagrams, charts and in relevant technical product documentation
<b>01.080.50</b>	Documentation • Graphical symbols for use on information technology and telecommunications technical drawings and in relevant technical product documentation
<b>01.110</b>	Documentation • Technical product documentation
<b>35.240.30</b>	Documentation • IT applications in information, documentation and publishing
<b>01.140.30</b>	Documents • Documents in administration, commerce and industry
<b>01.040.97</b>	Domestic • Domestic and commercial equipment. Entertainment. Sports (Vocabularies)
<b>13.120</b>	Domestic • Domestic safety
<b>71.100.35</b>	Domestic • Chemicals for industrial and domestic disinfection purposes
<b>97</b>	Domestic • Domestic and commercial equipment. Entertainment. Sports
<b>97.030</b>	Domestic • Domestic electrical appliances in general
<b>97.040.30</b>	Domestic • Domestic refrigerating appliances
<b>97.100</b>	Domestic • Domestic, commercial and industrial heating appliances
<b>97.180</b>	Domestic • Miscellaneous domestic and commercial equipment
<b>91.060.50</b>	Doors • Doors and windows
<b>65.060.35</b>	Drainage • Irrigation and drainage equipment
<b>91.140.80</b>	Drainage • Drainage systems
<b>01.100.40</b>	Drawing • Drawing equipment
<b>25.120.20</b>	Drawing • Rolling, extruding and drawing equipment
<b>01.080.30</b>	Drawings • Graphical symbols for use on mechanical engineering and construction drawings, diagrams, plans, maps and in relevant technical product documentation
<b>01.080.40</b>	Drawings • Graphical symbols for use on electrical and electronics engineering drawings, diagrams, charts and in relevant technical product documentation

<b>01.080.50</b>	Drawings • Graphical symbols for use on information technology and telecommunications technical drawings and in relevant technical product documentation
<b>01.100</b>	Drawings • Technical drawings
<b>01.100.01</b>	Drawings • Technical drawings in general
<b>01.100.20</b>	Drawings • Mechanical engineering drawings
<b>01.100.25</b>	Drawings • Electrical and electronics engineering drawings
<b>01.100.27</b>	Drawings • Technical drawings for telecommunications and information technology fields
<b>01.100.30</b>	Drawings • Construction drawings
<b>01.100.99</b>	Drawings • Other standards related to technical drawings
<b>11.120.20</b>	Dressings • Wound dressings and compresses
<b>25.080.40</b>	Drilling • Drilling machines
<b>73.100.30</b>	Drilling • Equipment for drilling and mine excavation
<b>75.180.10</b>	Drilling • Exploratory, drilling and extraction equipment
<b>25.100.30</b>	Drills • Drills, countersinks, reamers
<b>11.180.40</b>	Drinking • Aids for drinking and eating
<b>13.060.20</b>	Drinking • Drinking water
<b>21.220</b>	Drives • Flexible drives and transmissions
<b>21.220.01</b>	Drives • Flexible drives and transmissions in general
<b>21.220.10</b>	Drives • Belt drives and their components
<b>21.220.20</b>	Drives • Cable or rope drives and their components
<b>21.220.30</b>	Drives • Chain drives and their components
<b>21.220.99</b>	Drives • Other flexible drives and transmissions
<b>55.140</b>	Drums • Barrels. Drums. Canisters
<b>43.060.20</b>	Ducting • Pressure charging and air/exhaust gas ducting systems
<b>91.060.40</b>	Ducts • Chimneys, shafts, ducts
<b>59.120.50</b>	Dyeing • Dyeing and finishing equipment
<b>93.140</b>	Dykes • Construction of waterways, ports and dykes

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<b>53.100</b>	Earth-moving • Earth-moving machinery
<b>93.020</b>	Earthworks • Earthworks. Excavations. Foundation construction. Underground works
<b>11.180.40</b>	Eating • Aids for drinking and eating
<b>13.020.50</b>	Ecolabelling • Ecolabelling
<b>13.020.20</b>	Economics • Environmental economics. Sustainability
<b>97.020</b>	Economics • Home economics in general
<b>67.200</b>	Edible • Edible oils and fats. Oilseeds
<b>03.180</b>	Education • Education
<b>35.240.90</b>	Education • IT applications in education
<b>27.015</b>	Efficiency • Energy efficiency. Energy conservation in general
<b>67.120.20</b>	Eggs • Poultry and eggs
<b>13.260</b>	Electric • Protection against electric shock. Live working
<b>25.140.20</b>	Electric • Electric tools
<b>25.180.10</b>	Electric • Electric furnaces
<b>29.100.20</b>	Electric • Electric and electromechanical components

<b>29.240.30</b>	Electric • Control equipment for electric power systems
<b>29.280</b>	Electric • Electric traction equipment
<b>31.160</b>	Electric • Electric filters
<b>43.120</b>	Electric • Electric road vehicles
<b>49.060</b>	Electric • Aerospace electric equipment and systems
<b>97.100.10</b>	Electric • Electric heaters
<b>01.040.29</b>	Electrical • Electrical engineering (Vocabularies)
<b>01.080.40</b>	Electrical • Graphical symbols for use on electrical and electronics engineering drawings, diagrams, charts and in relevant technical product documentation
<b>01.100.25</b>	Electrical • Electrical and electronics engineering drawings
<b>17.220</b>	Electrical • Electricity. Magnetism. Electrical and magnetic measurements
<b>17.220.20</b>	Electrical • Measurement of electrical and magnetic quantities
<b>19.080</b>	Electrical • Electrical and electronic testing
<b>29</b>	Electrical • Electrical engineering
<b>29.020</b>	Electrical • Electrical engineering in general
<b>29.060</b>	Electrical • Electrical wires and cables
<b>29.060.01</b>	Electrical • Electrical wires and cables in general
<b>29.080.01</b>	Electrical • Electrical insulation in general
<b>29.100</b>	Electrical • Components for electrical equipment
<b>29.100.01</b>	Electrical • Components for electrical equipment in general
<b>29.100.99</b>	Electrical • Other components for electrical equipment
<b>29.120</b>	Electrical • Electrical accessories
<b>29.120.01</b>	Electrical • Electrical accessories in general
<b>29.120.10</b>	Electrical • Conduits for electrical purposes
<b>29.120.99</b>	Electrical • Other electrical accessories
<b>29.260</b>	Electrical • Electrical equipment for working in special conditions
<b>29.260.01</b>	Electrical • Electrical equipment for working in special conditions in general
<b>29.260.10</b>	Electrical • Electrical installations for outdoor use
<b>29.260.20</b>	Electrical • Electrical apparatus for explosive atmospheres
<b>29.260.99</b>	Electrical • Other electrical equipment for working in special conditions
<b>43.040.10</b>	Electrical • Electrical and electronic equipment
<b>43.060.50</b>	Electrical • Electrical and electronic equipment. Control systems
<b>47.020.60</b>	Electrical • Electrical equipment of ships and of marine structures
<b>97.030</b>	Electrical • Domestic electrical appliances in general
<b>17.220</b>	Electricity • Electricity. Magnetism. Electrical and magnetic measurements
<b>17.220.01</b>	Electricity • Electricity. Magnetism. General aspects
<b>17.220.99</b>	Electricity • Other standards related to electricity and magnetism
<b>91.140.50</b>	Electricity • Electricity supply systems
<b>17.140.50</b>	Electroacoustics • Electroacoustics
<b>25.120.40</b>	Electrochemical • Electrochemical machines
<b>31.060.40</b>	Electrolytic • Tantalum electrolytic capacitors
<b>31.060.50</b>	Electrolytic • Aluminium electrolytic capacitors
<b>33.100</b>	Electromagnetic • Electromagnetic compatibility (EMC)
<b>33.100.01</b>	Electromagnetic • Electromagnetic compatibility in general
<b>29.100.20</b>	Electromechanical • Electric and electromechanical components
<b>31.220</b>	Electromechanical • Electromechanical components for electronic and telecommunications equipment
<b>31.220.01</b>	Electromechanical • Electromechanical components in general
<b>31.220.99</b>	Electromechanical • Other electromechanical components
<b>19.080</b>	Electronic • Electrical and electronic testing

<b>31.020</b>	Electronic • Electronic components in general
<b>31.100</b>	Electronic • Electronic tubes
<b>31.120</b>	Electronic • Electronic display devices
<b>31.190</b>	Electronic • Electronic component assemblies
<b>31.220</b>	Electronic • Electromechanical components for electronic and telecommunications equipment
<b>31.240</b>	Electronic • Mechanical structures for electronic equipment
<b>43.040.10</b>	Electronic • Electrical and electronic equipment
<b>43.060.50</b>	Electronic • Electrical and electronic equipment. Control systems
<b>01.040.31</b>	Electronics • Electronics (Vocabularies)
<b>01.080.40</b>	Electronics • Graphical symbols for use on electrical and electronics engineering drawings, diagrams, charts and in relevant technical product documentation
<b>01.100.25</b>	Electronics • Electrical and electronics engineering drawings
<b>31</b>	Electronics • Electronics
<b>33.100</b>	Emc • Electromagnetic compatibility (EMC)
<b>33.100.99</b>	Emc • Other aspects related to EMC
<b>33.100.10</b>	Emission • Emission
<b>13.040.40</b>	Emissions • Stationary source emissions
<b>13.040.50</b>	Emissions • Transport exhaust emissions
<b>03.040</b>	Employment • Labour. Employment
<b>25.220.50</b>	Enamels • Enamels
<b>21.180</b>	Enclosures • Housings, enclosures, other machine parts
<b>01.040.27</b>	Energy • Energy and heat transfer engineering (Vocabularies)
<b>27</b>	Energy • Energy and heat transfer engineering
<b>27.010</b>	Energy • Energy and heat transfer engineering in general
<b>27.015</b>	Energy • Energy efficiency. Energy conservation in general
<b>27.120</b>	Energy • Nuclear energy engineering
<b>27.120.01</b>	Energy • Nuclear energy in general
<b>27.120.99</b>	Energy • Other standards related to nuclear energy
<b>27.140</b>	Energy • Hydraulic energy engineering
<b>27.160</b>	Energy • Solar energy engineering
<b>27.180</b>	Energy • Wind turbine energy systems
<b>27.190</b>	Energy • Biological sources and alternative sources of energy
<b>97.100.99</b>	Energy • Heaters using other sources of energy
<b>43.060.10</b>	Engine • Engine block and internal components
<b>27.020</b>	Engines • Internal combustion engines
<b>27.040</b>	Engines • Gas and steam turbines. Steam engines
<b>43.060</b>	Engines • Internal combustion engines for road vehicles
<b>43.060.01</b>	Engines • Internal combustion engines for road vehicles in general
<b>43.060.99</b>	Engines • Other components and systems of internal combustion engines
<b>47.020.20</b>	Engines • Marine engines and propulsion systems
<b>49.050</b>	Engines • Aerospace engines and propulsion systems
<b>33.070.30</b>	Enhanced • Digital Enhanced Cordless Telecommunications (DECT)
<b>01.040.97</b>	Entertainment • Domestic and commercial equipment. Entertainment. Sports (Vocabularies)
<b>97</b>	Entertainment • Domestic and commercial equipment. Entertainment. Sports
<b>97.200</b>	Entertainment • Equipment for entertainment
<b>97.200.01</b>	Entertainment • Equipment for entertainment in general
<b>97.200.99</b>	Entertainment • Other equipment for entertainment
<b>01.040.13</b>	Environment • Environment. Health protection. Safety (Vocabularies)
<b>13</b>	Environment • Environment. Health protection. Safety

<b>13.020.01</b>	Environment • Environment and environmental protection in general
<b>11.020.01</b>	Environmental • Quality and environmental management in health care
<b>13.020</b>	Environmental • Environmental protection
<b>13.020.01</b>	Environmental • Environment and environmental protection in general
<b>13.020.10</b>	Environmental • Environmental management
<b>13.020.20</b>	Environmental • Environmental economics. Sustainability
<b>13.020.30</b>	Environmental • Environmental impact assessment
<b>13.020.70</b>	Environmental • Environmental projects
<b>13.020.99</b>	Environmental • Other standards related to environmental protection
<b>19.040</b>	Environmental • Environmental testing
<b>13.040.35</b>	Environments • Cleanrooms and associated controlled environments
<b>13.180</b>	Ergonomics • Ergonomics
<b>91.140.90</b>	Escalators • Lifts. Escalators
<b>71.100.60</b>	Essential • Essential oils
<b>71.080.70</b>	Esters • Esters
<b>71.080.60</b>	Ethers • Alcohols. Ethers
<b>03.100.02</b>	Ethics • Governance and ethics
<b>11.100.20</b>	Evaluation • Biological evaluation of medical devices
<b>73.100.30</b>	Excavation • Equipment for drilling and mine excavation
<b>93.020</b>	Excavations • Earthworks. Excavations. Foundation construction. Underground works
<b>27.060.30</b>	Exchangers • Boilers and heat exchangers
<b>71.120.30</b>	Exchangers • Heat exchangers
<b>13.040.50</b>	Exhaust • Transport exhaust emissions
<b>75.180.10</b>	Exploratory • Exploratory, drilling and extraction equipment
<b>13.230</b>	Explosion • Explosion protection
<b>29.260.20</b>	Explosive • Electrical apparatus for explosive atmospheres
<b>71.100.30</b>	Explosives • Explosives. Pyrotechnics and fireworks
<b>87.060.10</b>	Extenders • Pigments and extenders
<b>91.160.20</b>	Exterior • Exterior building lighting
<b>75.020</b>	Extraction • Extraction and processing of petroleum and natural gas
<b>75.180.10</b>	Extraction • Exploratory, drilling and extraction equipment
<b>25.120.20</b>	Extruding • Rolling, extruding and drawing equipment
<b>21.080</b>	Eyelets • Hinges, eyelets and other articulated joints

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<b>29.035.60</b>	Fabrics • Varnished fabrics
<b>59.080.30</b>	Fabrics • Textile fabrics
<b>59.080.40</b>	Fabrics • Coated fabrics
<b>13.340.60</b>	Falling • Protection against falling and slipping
<b>23.120</b>	Fans • Ventilators. Fans. Air-conditioners
<b>65.040</b>	Farm • Farm buildings, structures and installations
<b>65.040.01</b>	Farm • Farm buildings and installations in general
<b>65.040.99</b>	Farm • Other standards related to farm buildings and installations
<b>65.020</b>	Farming • Farming and forestry

<b>65.020.01</b>	Farming • Farming and forestry in general
<b>65.020.99</b>	Farming • Other standards related to farming and forestry
<b>21.060</b>	Fasteners • Fasteners
<b>21.060.01</b>	Fasteners • Fasteners in general
<b>21.060.99</b>	Fasteners • Other fasteners
<b>49.030</b>	Fasteners • Fasteners for aerospace construction
<b>49.030.01</b>	Fasteners • Fasteners in general
<b>49.030.99</b>	Fasteners • Other fasteners
<b>61.040</b>	Fastening • Headgear. Clothing accessories. Fastening of clothing
<b>67.200</b>	Fats • Edible oils and fats. Oilseeds
<b>67.200.10</b>	Fats • Animal and vegetable fats and oils
<b>91.060.10</b>	Façades • Walls. Partitions. Façades
<b>65.120</b>	Feeding • Animal feeding stuffs
<b>77.100</b>	Ferroalloys • Ferroalloys
<b>49.025.05</b>	Ferrous • Ferrous alloys in general
<b>77.080</b>	Ferrous • Ferrous metals
<b>77.080.01</b>	Ferrous • Ferrous metals in general
<b>65.060.25</b>	Fertilizers • Equipment for storage, preparation and distribution of fertilizers
<b>65.080</b>	Fertilizers • Fertilizers
<b>33.180</b>	Fibre • Fibre optic communications
<b>33.180.01</b>	Fibre • Fibre optic systems in general
<b>33.180.20</b>	Fibre • Fibre optic interconnecting devices
<b>33.180.99</b>	Fibre • Other fibre optic equipment
<b>79.060.20</b>	Fibre • Fibre and particle boards
<b>91.100.40</b>	Fibre-reinforced • Products in fibre-reinforced cement
<b>33.180.10</b>	Fibres • Fibres and cables
<b>59.060</b>	Fibres • Textile fibres
<b>59.060.01</b>	Fibres • Textile fibres in general
<b>59.060.10</b>	Fibres • Natural fibres
<b>59.060.20</b>	Fibres • Man-made fibres
<b>59.060.30</b>	Fibres • Mineral and metal fibres
<b>59.060.99</b>	Fibres • Other textile fibres
<b>25.100.60</b>	Files • Files
<b>37.040.20</b>	Films • Photographic paper, films and plates. Cartridges
<b>37.040.25</b>	Films • Radiographic films
<b>37.060.20</b>	Films • Motion picture films. Cartridges
<b>83.140.10</b>	Films • Films and sheets
<b>23.100.60</b>	Filters • Filters, seals and contamination of fluids
<b>31.160</b>	Filters • Electric filters
<b>03.060</b>	Finances • Finances. Banking. Monetary systems. Insurance
<b>59.120.50</b>	Finishing • Dyeing and finishing equipment
<b>91.180</b>	Finishing • Interior finishing
<b>13.220</b>	Fire • Protection against fire
<b>13.220.01</b>	Fire • Protection against fire in general
<b>13.220.20</b>	Fire • Fire protection
<b>13.220.99</b>	Fire • Other standards related to protection against fire
<b>13.220.10</b>	Fire-fighting • Fire-fighting
<b>13.220.50</b>	Fire-resistance • Fire-resistance of building materials and elements
<b>71.100.30</b>	Fireworks • Explosives. Pyrotechnics and fireworks

<b>11.160</b>	First • First aid
<b>65.150</b>	Fish • Fishing and fish breeding
<b>67.120.30</b>	Fish • Fish and fishery products
<b>67.120.30</b>	Fishery • Fish and fishery products
<b>65.150</b>	Fishing • Fishing and fish breeding
<b>27.120.30</b>	Fissile • Fissile materials and nuclear fuel technology
<b>17.040.10</b>	Fits • Limits and fits
<b>23.040.40</b>	Fittings • Metal fittings
<b>23.040.45</b>	Fittings • Plastics fittings
<b>23.040.50</b>	Fittings • Pipes and fittings of other materials
<b>83.140.30</b>	Fittings • Plastics pipes and fittings for non fluid use
<b>97.130</b>	Fittings • Shop fittings
<b>97.130.01</b>	Fittings • Shop fittings in general
<b>97.130.99</b>	Fittings • Other shop fittings
<b>23.040.60</b>	Flanges • Flanges, couplings and joints
<b>97.040.60</b>	Flatware • Cookware, cutlery and flatware
<b>21.220</b>	Flexible • Flexible drives and transmissions
<b>21.220.01</b>	Flexible • Flexible drives and transmissions in general
<b>21.220.99</b>	Flexible • Other flexible drives and transmissions
<b>97.150</b>	Floor • Floor coverings
<b>91.060.30</b>	Floors • Ceilings. Floors. Stairs
<b>13.340.70</b>	Flotation • Lifejackets, buoyancy aids and flotation devices
<b>17.120</b>	Flow • Measurement of fluid flow
<b>17.120.01</b>	Flow • Measurement of fluid flow in general
<b>17.120.10</b>	Flow • Flow in closed conduits
<b>17.120.20</b>	Flow • Flow in open channels
<b>01.040.23</b>	Fluid • Fluid systems and components for general use (Vocabularies)
<b>17.120</b>	Fluid • Measurement of fluid flow
<b>17.120.01</b>	Fluid • Measurement of fluid flow in general
<b>23</b>	Fluid • Fluid systems and components for general use
<b>23.020</b>	Fluid • Fluid storage devices
<b>23.020.01</b>	Fluid • Fluid storage devices in general
<b>23.020.99</b>	Fluid • Other fluid storage devices
<b>23.100</b>	Fluid • Fluid power systems
<b>23.100.01</b>	Fluid • Fluid power systems in general
<b>23.100.99</b>	Fluid • Other fluid power system components
<b>49.080</b>	Fluid • Aerospace fluid systems and components
<b>83.140.30</b>	Fluid • Plastics pipes and fittings for non fluid use
<b>23.100.60</b>	Fluids • Filters, seals and contamination of fluids
<b>29.040</b>	Fluids • Insulating fluids
<b>29.040.01</b>	Fluids • Insulating fluids in general
<b>29.040.99</b>	Fluids • Other insulating fluids
<b>75.120</b>	Fluids • Hydraulic fluids
<b>29.140.30</b>	Fluorescent • Fluorescent lamps. Discharge lamps
<b>01.040.67</b>	Food • Food technology (Vocabularies)
<b>07.100.30</b>	Food • Food microbiology
<b>67</b>	Food • Food technology
<b>67.020</b>	Food • Processes in the food industry
<b>67.040</b>	Food • Food products in general

<b>67.050</b>	Food • General methods of tests and analysis for food products
<b>67.220</b>	Food • Spices and condiments. Food additives
<b>67.220.20</b>	Food • Food additives
<b>67.260</b>	Food • Plants and equipment for the food industry
<b>67.230</b>	Foods • Prepackaged and prepared foods
<b>67.250</b>	Foodstuffs • Materials and articles in contact with foodstuffs
<b>13.340.50</b>	Foot • Leg and foot protection
<b>61.060</b>	Footwear • Footwear
<b>17.100</b>	Force • Measurement of force, weight and pressure
<b>07.140</b>	Forensic • Forensic science
<b>65.020</b>	Forestry • Farming and forestry
<b>65.020.01</b>	Forestry • Farming and forestry in general
<b>65.020.99</b>	Forestry • Other standards related to farming and forestry
<b>65.060.80</b>	Forestry • Forestry equipment
<b>25.120.10</b>	Forging • Forging equipment. Presses. Shears
<b>77.140.85</b>	Forgings • Iron and steel forgings
<b>25.020</b>	Forming • Manufacturing forming processes
<b>03.220.99</b>	Forms • Other forms of transport
<b>93.020</b>	Foundation • Earthworks. Excavations. Foundation construction. Underground works
<b>55.180</b>	Freight • Freight distribution of goods
<b>55.180.01</b>	Freight • Freight distribution of goods in general
<b>55.180.99</b>	Freight • Other standards related to freight distribution of goods
<b>67.080</b>	Fruits • Fruits. Vegetables
<b>67.080.01</b>	Fruits • Fruits, vegetables and derived products in general
<b>67.080.10</b>	Fruits • Fruits and derived products
<b>25.180.20</b>	Fuel • Fuel furnaces
<b>27.060.10</b>	Fuel • Liquid and solid fuel burners
<b>27.060.20</b>	Fuel • Gas fuel burners
<b>27.070</b>	Fuel • Fuel cells
<b>27.120.30</b>	Fuel • Fissile materials and nuclear fuel technology
<b>43.060.40</b>	Fuel • Fuel systems
<b>97.100.30</b>	Fuel • Solid fuel heaters
<b>97.100.40</b>	Fuel • Liquid fuel heaters
<b>75.160</b>	Fuels • Fuels
<b>75.160.01</b>	Fuels • Fuels in general
<b>75.160.10</b>	Fuels • Solid fuels
<b>75.160.20</b>	Fuels • Liquid fuels
<b>75.160.30</b>	Fuels • Gaseous fuels
<b>03.100.20</b>	Function • Trade. Commercial function. Marketing
<b>65.100.30</b>	Fungicides • Fungicides
<b>59.140.40</b>	Fur • Machines and equipment for leather and fur production
<b>25.180</b>	Furnaces • Industrial furnaces
<b>25.180.01</b>	Furnaces • Industrial furnaces in general
<b>25.180.10</b>	Furnaces • Electric furnaces
<b>25.180.20</b>	Furnaces • Fuel furnaces
<b>97.040.10</b>	Furniture • Kitchen furniture
<b>97.140</b>	Furniture • Furniture
<b>59.140.30</b>	Furs • Leather and furs
<b>29.120.50</b>	Fuses • Fuses and other overcurrent protection devices



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<b>29.220</b>	Galvanic • Galvanic cells and batteries
<b>29.220.01</b>	Galvanic • Galvanic cells and batteries in general
<b>23.020.35</b>	Gas • Gas cylinders
<b>27.040</b>	Gas • Gas and steam turbines. Steam engines
<b>27.060.20</b>	Gas • Gas fuel burners
<b>43.060.20</b>	Gas • Pressure charging and air/exhaust gas ducting systems
<b>75.020</b>	Gas • Extraction and processing of petroleum and natural gas
<b>75.060</b>	Gas • Natural gas
<b>75.180</b>	Gas • Equipment for petroleum and natural gas industries
<b>75.180.01</b>	Gas • Equipment for petroleum and natural gas industries in general
<b>75.180.99</b>	Gas • Other equipment for petroleum and natural gas industries
<b>75.200</b>	Gas • Petroleum products and natural gas handling equipment
<b>91.140.40</b>	Gas • Gas supply systems
<b>97.100.20</b>	Gas • Gas heaters
<b>75.160.30</b>	Gaseous • Gaseous fuels
<b>29.040.20</b>	Gases • Insulating gases
<b>71.100.20</b>	Gases • Gases for industrial application
<b>23.060.30</b>	Gate • Gate valves
<b>21.200</b>	Gears • Gears
<b>29.160.40</b>	Generating • Generating sets
<b>29.160.20</b>	Generators • Generators
<b>07.040</b>	Geodesy • Astronomy. Geodesy. Geography
<b>07.040</b>	Geography • Astronomy. Geodesy. Geography
<b>07.060</b>	Geology • Geology. Meteorology. Hydrology
<b>17.040.40</b>	Geometrical • Geometrical Product Specification (GPS)
<b>59.080.70</b>	Geotextiles • Geotextiles
<b>21.140</b>	Glands • Seals, glands
<b>01.040.81</b>	Glass • Glass and ceramics industries (Vocabularies)
<b>29.035.30</b>	Glass • Glass and ceramic insulating materials
<b>59.100.10</b>	Glass • Textile glass materials
<b>81</b>	Glass • Glass and ceramics industries
<b>81.020</b>	Glass • Processes in the glass and ceramics industries
<b>81.040</b>	Glass • Glass
<b>81.040.01</b>	Glass • Glass in general
<b>81.040.10</b>	Glass • Raw materials and raw glass
<b>81.040.20</b>	Glass • Glass in building
<b>81.040.30</b>	Glass • Glass products
<b>81.100</b>	Glass • Equipment for the glass and ceramics industries
<b>43.040.65</b>	Glazing • Glazing and wiper systems
<b>33.070.50</b>	Global • Global System for Mobile Communication (GSM)
<b>23.060.10</b>	Globe • Globe valves
<b>01.040.55</b>	Goods • Packaging and distribution of goods (Vocabularies)

<b>13.300</b>	Goods • Protection against dangerous goods
<b>55</b>	Goods • Packaging and distribution of goods
<b>55.020</b>	Goods • Packaging and distribution of goods in general
<b>55.180</b>	Goods • Freight distribution of goods
<b>55.180.01</b>	Goods • Freight distribution of goods in general
<b>55.180.99</b>	Goods • Other standards related to freight distribution of goods
<b>03.100.02</b>	Governance • Governance and ethics
<b>17.040.40</b>	Gps • Geometrical Product Specification (GPS)
<b>37.100</b>	Graphic • Graphic technology
<b>37.100.01</b>	Graphic • Graphic technology in general
<b>37.100.20</b>	Graphic • Materials for graphic technology
<b>37.100.99</b>	Graphic • Other standards related to graphic technology
<b>01.080</b>	Graphical • Graphical symbols
<b>01.080.01</b>	Graphical • Graphical symbols in general
<b>01.080.20</b>	Graphical • Graphical symbols for use on specific equipment
<b>01.080.30</b>	Graphical • Graphical symbols for use on mechanical engineering and construction drawings, diagrams, plans, maps and in relevant technical product documentation
<b>01.080.40</b>	Graphical • Graphical symbols for use on electrical and electronics engineering drawings, diagrams, charts and in relevant technical product documentation
<b>01.080.50</b>	Graphical • Graphical symbols for use on information technology and telecommunications technical drawings and in relevant technical product documentation
<b>01.080.99</b>	Graphical • Other graphical symbols
<b>35.040.30</b>	Graphical • Coding of graphical and photographic information
<b>35.140</b>	Graphics • Computer graphics
<b>65.040.30</b>	Greenhouses • Greenhouses and other installations
<b>25.080.50</b>	Grinding • Grinding and polishing machines
<b>49.100</b>	Ground • Ground service and maintenance equipment
<b>65.020.20</b>	Growing • Plant growing
<b>33.070.50</b>	Gsm • Global System for Mobile Communication (GSM)
<b>91.100.10</b>	Gypsum • Cement. Gypsum. Lime. Mortar

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<b>71.080.20</b>	Halogenated • Halogenated hydrocarbons
<b>13.340.40</b>	Hand • Hand and arm protection
<b>25.140</b>	Hand-held • Hand-held tools
<b>25.140.01</b>	Hand-held • Hand-held tools in general
<b>25.140.99</b>	Hand-held • Other hand-held tools
<b>25.140.30</b>	Hand-operated • Hand-operated tools
<b>11.180</b>	Handicapped • Aids for disabled or handicapped persons
<b>11.180.01</b>	Handicapped • Aids for disabled and handicapped persons in general
<b>11.180.99</b>	Handicapped • Other standards related to aids for disabled and handicapped people
<b>97.195</b>	Handicrafts • Items of art and handicrafts. Cultural property and heritage
<b>01.040.53</b>	Handling • Materials handling equipment (Vocabularies)
<b>47.020.40</b>	Handling • Lifting and cargo handling equipment

<b>53</b>	Handling • Materials handling equipment
<b>53.040</b>	Handling • Continuous handling equipment
<b>53.040.01</b>	Handling • Continuous handling equipment in general
<b>53.040.99</b>	Handling • Other continuous handling equipment
<b>53.120</b>	Handling • Equipment for manual handling
<b>75.200</b>	Handling • Petroleum products and natural gas handling equipment
<b>65.060.50</b>	Harvesting • Harvesting equipment
<b>73.100.40</b>	Haulage • Haulage and hoisting equipment
<b>13.340.20</b>	Head • Head protective equipment
<b>61.040</b>	Headgear • Headgear. Clothing accessories. Fastening of clothing
<b>01.040.11</b>	Health • Health care technology (Vocabularies)
<b>01.040.13</b>	Health • Environment. Health protection. Safety (Vocabularies)
<b>11</b>	Health • Health care technology
<b>11.020</b>	Health • Medical sciences and health care facilities in general
<b>11.020.01</b>	Health • Quality and environmental management in health care
<b>11.020.10</b>	Health • Health care services in general
<b>11.020.99</b>	Health • Other standards related to health care in general
<b>13</b>	Health • Environment. Health protection. Safety
<b>35.240.80</b>	Health • IT applications in health care technology
<b>11.180.15</b>	Hearing • Aids for deaf and hearing impaired people
<b>01.040.27</b>	Heat • Energy and heat transfer engineering (Vocabularies)
<b>17.200.10</b>	Heat • Heat. Calorimetry
<b>23.040.07</b>	Heat • Pipelines and its parts for district heat
<b>25.200</b>	Heat • Heat treatment
<b>27</b>	Heat • Energy and heat transfer engineering
<b>27.010</b>	Heat • Energy and heat transfer engineering in general
<b>27.060.30</b>	Heat • Boilers and heat exchangers
<b>27.080</b>	Heat • Heat pumps
<b>27.220</b>	Heat • Heat recovery. Thermal insulation
<b>71.120.30</b>	Heat • Heat exchangers
<b>77.140.10</b>	Heat-treatable • Heat-treatable steels
<b>97.100.10</b>	Heaters • Electric heaters
<b>97.100.20</b>	Heaters • Gas heaters
<b>97.100.30</b>	Heaters • Solid fuel heaters
<b>97.100.40</b>	Heaters • Liquid fuel heaters
<b>97.100.99</b>	Heaters • Heaters using other sources of energy
<b>47.020.90</b>	Heating • Marine ventilation, air conditioning and heating systems
<b>91.140.10</b>	Heating • Central heating systems
<b>91.140.65</b>	Heating • Water heating equipment
<b>97.100</b>	Heating • Domestic, commercial and industrial heating appliances
<b>97.100.01</b>	Heating • Heating appliances in general
<b>65.100.20</b>	Herbicides • Herbicides
<b>97.195</b>	Heritage • Items of art and handicrafts. Cultural property and heritage
<b>59.140.20</b>	Hides • Raw skins, hides and pelts
<b>21.080</b>	Hinges • Hinges, eyelets and other articulated joints
<b>73.100.40</b>	Hoisting • Haulage and hoisting equipment
<b>29.140.10</b>	Holders • Lamp caps and holders
<b>97.020</b>	Home • Home economics in general
<b>97.160</b>	Home • Home textiles. Linen

<b>39.040</b>	Horology • Horology
<b>39.040.01</b>	Horology • Horology in general
<b>65.060.70</b>	Horticultural • Horticultural equipment
<b>23.040.70</b>	Hose • Hoses and hose assemblies
<b>23.040.80</b>	Hose • Seals for pipe and hose assemblies
<b>23.040.70</b>	Hoses • Hoses and hose assemblies
<b>83.140.40</b>	Hoses • Hoses
<b>11.140</b>	Hospital • Hospital equipment
<b>97.120</b>	Household • Automatic controls for household use
<b>21.180</b>	Housings • Housings, enclosures, other machine parts
<b>47.020.10</b>	Hulls • Hulls and their structure elements
<b>03.100.30</b>	Human • Management of human resources
<b>13.140</b>	Human • Noise with respect to human beings
<b>13.160</b>	Human • Vibration and shock with respect to human beings
<b>65.145</b>	Hunting • Hunting
<b>65.020.30</b>	Husbandry • Animal husbandry and breeding
<b>27.140</b>	Hydraulic • Hydraulic energy engineering
<b>75.120</b>	Hydraulic • Hydraulic fluids
<b>93.160</b>	Hydraulic • Hydraulic construction
<b>71.080.10</b>	Hydrocarbons • Aliphatic hydrocarbons
<b>71.080.15</b>	Hydrocarbons • Aromatic hydrocarbons
<b>71.080.20</b>	Hydrocarbons • Halogenated hydrocarbons
<b>27.075</b>	Hydrogen • Hydrogen technologies
<b>13.080.40</b>	Hydrological • Hydrological properties of soils
<b>07.060</b>	Hydrology • Geology. Meteorology. Hydrology
<b>13.100</b>	Hygiene • Occupational safety. Industrial hygiene
<b>35.040.40</b>	Hypermedia • Coding of audio, video, multimedia and hypermedia information




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<b>67.100.40</b>	Ice • Ice cream and ice confectionery
<b>35.040.50</b>	Identification • Automatic identification and data capture techniques
<b>35.240.15</b>	Identification • Identification cards. Chip cards. Biometrics
<b>13.220.40</b>	Ignitability • Ignitability and burning behaviour of materials and products
<b>73.100.20</b>	Illumination • Ventilation, air-conditioning and illumination equipment
<b>01.040.37</b>	Image • Image technology (Vocabularies)
<b>37</b>	Image • Image technology
<b>37.080</b>	Imaging • Document imaging applications
<b>33.100.20</b>	Immunity • Immunity
<b>13.020.30</b>	Impact • Environmental impact assessment
<b>11.180.15</b>	Impaired • Aids for deaf and hearing impaired people
<b>11.040.40</b>	Implants • Implants for surgery, prosthetics and orthotics
<b>11.060.15</b>	Implants • Dental implants
<b>65.060</b>	Implements • Agricultural machines, implements and equipment
<b>29.140.20</b>	Incandescent • Incandescent lamps

<b>21.040.20</b>	Inch • Inch screw threads
<b>11.180.20</b>	Incontinence • Aids for incontinence and ostomy
<b>43.040.30</b>	Indicating • Indicating and control devices
<b>97.220.30</b>	Indoor • Indoor sports equipment
<b>13.060.25</b>	Industrial • Water for industrial use
<b>13.100</b>	Industrial • Occupational safety. Industrial hygiene
<b>25.040</b>	Industrial • Industrial automation systems
<b>25.040.01</b>	Industrial • Industrial automation systems in general
<b>25.040.30</b>	Industrial • Industrial robots. Manipulators
<b>25.040.40</b>	Industrial • Industrial process measurement and control
<b>25.040.99</b>	Industrial • Other industrial automation systems
<b>25.180</b>	Industrial • Industrial furnaces
<b>25.180.01</b>	Industrial • Industrial furnaces in general
<b>53.060</b>	Industrial • Industrial trucks
<b>71.100.20</b>	Industrial • Gases for industrial application
<b>71.100.35</b>	Industrial • Chemicals for industrial and domestic disinfection purposes
<b>75.100</b>	Industrial • Lubricants, industrial oils and related products
<b>97.100</b>	Industrial • Domestic, commercial and industrial heating appliances
<b>43.040.15</b>	Informatics • Car informatics. On board computer systems
<b>01.040.35</b>	Information • Information technology (Vocabularies)
<b>01.080.10</b>	Information • Public information symbols. Signs. Plates. Labels
<b>01.080.50</b>	Information • Graphical symbols for use on information technology and telecommunications technical drawings and in relevant technical product documentation
<b>01.100.27</b>	Information • Technical drawings for telecommunications and information technology fields
<b>01.140</b>	Information • Information sciences. Publishing
<b>01.140.20</b>	Information • Information sciences
<b>35</b>	Information • Information technology
<b>35.020</b>	Information • Information technology (IT) in general
<b>35.040</b>	Information • Information coding
<b>35.040.01</b>	Information • Information coding in general
<b>35.040.30</b>	Information • Coding of graphical and photographic information
<b>35.040.40</b>	Information • Coding of audio, video, multimedia and hypermedia information
<b>35.040.99</b>	Information • Other standards related to information coding
<b>35.060</b>	Information • Languages used in information technology
<b>35.240</b>	Information • Applications of information technology
<b>35.240.01</b>	Information • Application of information technology in general
<b>35.240.30</b>	Information • IT applications in information, documentation and publishing
<b>11.040.20</b>	Infusion • Transfusion, infusion and injection equipment
<b>11.040.20</b>	Injection • Transfusion, infusion and injection equipment
<b>87.080</b>	Inks • Inks. Printing inks
<b>47.060</b>	Inland • Inland navigation vessels
<b>71.060</b>	Inorganic • Inorganic chemicals
<b>71.060.01</b>	Inorganic • Inorganic chemicals in general
<b>71.060.99</b>	Inorganic • Other inorganic chemicals
<b>65.100.10</b>	Insecticides • Insecticides
<b>29.140.50</b>	Installation • Lighting installation systems
<b>11.040.30</b>	Instruments • Surgical instruments and materials
<b>11.060.25</b>	Instruments • Dental instruments
<b>17.040.30</b>	Instruments • Measuring instruments

<b>17.180.30</b>	Instruments • Optical measuring instruments
<b>17.200.20</b>	Instruments • Temperature-measuring instruments
<b>39.040.99</b>	Instruments • Other time-measuring instruments
<b>49.090</b>	Instruments • On-board equipment and instruments
<b>97.200.20</b>	Instruments • Musical instruments
<b>29.035</b>	Insulating • Insulating materials
<b>29.035.01</b>	Insulating • Insulating materials in general
<b>29.035.10</b>	Insulating • Paper and board insulating materials
<b>29.035.20</b>	Insulating • Plastics and rubber insulating materials
<b>29.035.30</b>	Insulating • Glass and ceramic insulating materials
<b>29.035.99</b>	Insulating • Other insulating materials
<b>29.040</b>	Insulating • Insulating fluids
<b>29.040.01</b>	Insulating • Insulating fluids in general
<b>29.040.10</b>	Insulating • Insulating oils
<b>29.040.20</b>	Insulating • Insulating gases
<b>29.040.99</b>	Insulating • Other insulating fluids
<b>91.100.60</b>	Insulating • Thermal and sound insulating materials
<b>27.220</b>	Insulation • Heat recovery. Thermal insulation
<b>29.080</b>	Insulation • Insulation
<b>29.080.01</b>	Insulation • Electrical insulation in general
<b>29.080.30</b>	Insulation • Insulation systems
<b>29.080.99</b>	Insulation • Other standards related to insulation
<b>91.120.10</b>	Insulation • Thermal insulation of buildings
<b>91.120.20</b>	Insulation • Acoustics in building. Sound insulation
<b>29.080.10</b>	Insulators • Insulators
<b>03.060</b>	Insurance • Finances. Banking. Monetary systems. Insurance
<b>31.200</b>	Integrated • Integrated circuits. Microelectronics
<b>33.080</b>	Integrated • Integrated Services Digital Network (ISDN)
<b>03.140</b>	Intellectual • Patents. Intellectual property
<b>33.180.20</b>	Interconnecting • Fibre optic interconnecting devices
<b>35.100</b>	Interconnection • Open systems interconnection (OSI)
<b>35.100.01</b>	Interconnection • Open systems interconnection in general
<b>35.200</b>	Interconnection • Interface and interconnection equipment
<b>35.200</b>	Interface • Interface and interconnection equipment
<b>91.160.10</b>	Interior • Interior lighting
<b>91.180</b>	Interior • Interior finishing
<b>35.240.95</b>	Internet • Internet applications
<b>23.040.10</b>	Iron • Iron and steel pipes
<b>73.060.10</b>	Iron • Iron ores
<b>77.140</b>	Iron • Iron and steel products
<b>77.140.01</b>	Iron • Iron and steel products in general
<b>77.140.80</b>	Iron • Iron and steel castings
<b>77.140.85</b>	Iron • Iron and steel forgings
<b>77.140.99</b>	Iron • Other iron and steel products
<b>77.080.10</b>	Irons • Irons
<b>65.060.35</b>	Irrigation • Irrigation and drainage equipment
<b>33.080</b>	Isdn • Integrated Services Digital Network (ISDN)

# J

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<b>55.100</b>	Jars • Bottles. Pots. Jars
<b>01.040.39</b>	Jewellery • Precision mechanics. Jewellery (Vocabularies)
<b>39</b>	Jewellery • Precision mechanics. Jewellery
<b>39.060</b>	Jewellery • Jewellery
<b>21.080</b>	Joints • Hinges, eyelets and other articulated joints
<b>23.040.60</b>	Joints • Flanges, couplings and joints
<b>25.160.40</b>	Joints • Welded joints and welds

# K

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<b>71.080.80</b>	Ketones • Aldehydes and ketones
<b>21.120.30</b>	Keys • Keys and keyways, splines
<b>21.120.30</b>	Keyways • Keys and keyways, splines
<b>97.040</b>	Kitchen • Kitchen equipment
<b>97.040.01</b>	Kitchen • Kitchen equipment in general
<b>97.040.10</b>	Kitchen • Kitchen furniture
<b>97.040.50</b>	Kitchen • Small kitchen appliances
<b>97.040.99</b>	Kitchen • Other kitchen equipment
<b>59.120.40</b>	Knitting • Knitting machines

# L

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<b>01.080.10</b>	Labels • Public information symbols. Signs. Plates. Labels
<b>71.040.10</b>	Laboratories • Chemical laboratories. Laboratory equipment
<b>11.100</b>	Laboratory • Laboratory medicine
<b>11.100.01</b>	Laboratory • Laboratory medicine in general
<b>11.100.99</b>	Laboratory • Other standards related to laboratory medicine
<b>71.040.10</b>	Laboratory • Chemical laboratories. Laboratory equipment
<b>71.040.20</b>	Laboratory • Laboratory ware and related apparatus
<b>03.040</b>	Labour • Labour. Employment
<b>97.145</b>	Ladders • Ladders
<b>83.140.20</b>	Laminated • Laminated sheets
<b>29.140.10</b>	Lamp • Lamp caps and holders
<b>29.140</b>	Lamps • Lamps and related equipment

<b>29.140.01</b>	Lamps • Lamps in general
<b>29.140.20</b>	Lamps • Incandescent lamps
<b>29.140.30</b>	Lamps • Fluorescent lamps. Discharge lamps
<b>29.140.99</b>	Lamps • Other standards related to lamps
<b>65.020.40</b>	Landscaping • Landscaping and silviculture
<b>35.060</b>	Languages • Languages used in information technology
<b>31.260</b>	Laser • Optoelectronics. Laser equipment
<b>83.040.10</b>	Latex • Latex and raw rubber
<b>25.080.10</b>	Lathes • Lathes
<b>97.060</b>	Laundry • Laundry appliances
<b>03.160</b>	Law • Law. Administration
<b>35.100.10</b>	Layer • Physical layer
<b>35.100.20</b>	Layer • Data link layer
<b>35.100.30</b>	Layer • Network layer
<b>35.100.40</b>	Layer • Transport layer
<b>35.100.50</b>	Layer • Session layer
<b>35.100.60</b>	Layer • Presentation layer
<b>35.100.70</b>	Layer • Application layer
<b>77.120.60</b>	Lead • Lead, zinc, tin and their alloys
<b>77.150.60</b>	Lead • Lead, zinc and tin products
<b>01.040.59</b>	Leather • Textile and leather technology (Vocabularies)
<b>59</b>	Leather • Textile and leather technology
<b>59.140</b>	Leather • Leather technology
<b>59.140.01</b>	Leather • Leather technology in general
<b>59.140.30</b>	Leather • Leather and furs
<b>59.140.35</b>	Leather • Leather products
<b>59.140.40</b>	Leather • Machines and equipment for leather and fur production
<b>59.140.99</b>	Leather • Other standards related to leather technology
<b>13.340.50</b>	Leg • Leg and foot protection
<b>91.010.10</b>	Legal • Legal aspects
<b>03.200</b>	Leisure • Leisure. Tourism
<b>03.200.01</b>	Leisure • Leisure and tourism in general
<b>03.200.99</b>	Leisure • Other standards relating to leisure and tourism
<b>13.020.60</b>	Life-cycles • Product life-cycles
<b>13.340.70</b>	Lifejackets • Lifejackets, buoyancy aids and flotation devices
<b>47.020.40</b>	Lifting • Lifting and cargo handling equipment
<b>53.020</b>	Lifting • Lifting equipment
<b>53.020.01</b>	Lifting • Lifting appliances in general
<b>53.020.30</b>	Lifting • Accessories for lifting equipment
<b>53.020.99</b>	Lifting • Other lifting equipment
<b>91.140.90</b>	Lifts • Lifts. Escalators
<b>17.180.20</b>	Light • Colours and measurement of light
<b>43.100</b>	Light • Passenger cars. Caravans and light trailers
<b>45.140</b>	Light • Metro, tram and light rail equipment
<b>29.140.50</b>	Lighting • Lighting installation systems
<b>43.040.20</b>	Lighting • Lighting, signalling and warning devices
<b>91.160</b>	Lighting • Lighting
<b>91.160.01</b>	Lighting • Lighting in general
<b>91.160.10</b>	Lighting • Interior lighting



<b>91.160.20</b>	Lighting • Exterior building lighting
<b>93.080.40</b>	Lighting • Street lighting and related equipment
<b>91.120.40</b>	Lightning • Lightning protection
<b>91.100.10</b>	Lime • Cement. Gypsum. Lime. Mortar
<b>17.040.10</b>	Limits • Limits and fits
<b>17.040</b>	Linear • Linear and angular measurements
<b>17.040.01</b>	Linear • Linear and angular measurements in general
<b>17.040.99</b>	Linear • Other standards related to linear and angular measurements
<b>97.160</b>	Linen • Home textiles. Linen
<b>29.240.20</b>	Lines • Power transmission and distribution lines
<b>33.040.50</b>	Lines • Lines, connections and circuits
<b>35.100.20</b>	Link • Data link layer
<b>77.140.65</b>	Link • Steel wire, wire ropes and link chains
<b>13.030.20</b>	Liquid • Liquid wastes. Sludge
<b>27.060.10</b>	Liquid • Liquid and solid fuel burners
<b>75.160.20</b>	Liquid • Liquid fuels
<b>97.100.40</b>	Liquid • Liquid fuel heaters
<b>13.260</b>	Live • Protection against electric shock. Live working
<b>65.040.10</b>	Livestock • Livestock buildings, installations and equipment
<b>21.060.30</b>	Locking • Washers, locking elements
<b>49.030.50</b>	Locking • Washers and other locking elements
<b>03.100.10</b>	Logistics • Purchasing. Procurement. Logistics
<b>59.120.30</b>	Looms • Looms. Weaving machines
<b>75.100</b>	Lubricants • Lubricants, industrial oils and related products
<b>43.060.30</b>	Lubricating • Cooling systems. Lubricating systems
<b>21.260</b>	Lubrication • Lubrication systems
<b>29.140.40</b>	Luminaires • Luminaires

# M

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<b>21.180</b>	Machine • Housings, enclosures, other machine parts
<b>25.060</b>	Machine • Machine tool systems
<b>25.060.01</b>	Machine • Machine tool systems in general
<b>25.060.99</b>	Machine • Other machine tool systems
<b>25.080</b>	Machine • Machine tools
<b>25.080.01</b>	Machine • Machine tools in general
<b>25.080.99</b>	Machine • Other machine tools
<b>17.140.20</b>	Machines • Noise emitted by machines and equipment
<b>21.020</b>	Machines • Characteristics and design of machines, apparatus, equipment
<b>21.120.40</b>	Machines • Balancing and balancing machines
<b>23.140</b>	Machines • Compressors and pneumatic machines
<b>25.040.20</b>	Machines • Numerically controlled machines
<b>25.080.20</b>	Machines • Boring and milling machines
<b>25.080.25</b>	Machines • Planing machines
<b>25.080.30</b>	Machines • Broaching machines

<b>25.080.40</b>	Machines • Drilling machines
<b>25.080.50</b>	Machines • Grinding and polishing machines
<b>25.080.60</b>	Machines • Sawing machines
<b>25.100.25</b>	Machines • Tools for planing and broaching machines
<b>25.120.40</b>	Machines • Electrochemical machines
<b>29.160.10</b>	Machines • Components for rotating machines
<b>35.260</b>	Machines • Office machines
<b>55.230</b>	Machines • Distribution and vending machines
<b>59.120.10</b>	Machines • Spinning, twisting and texturing machines
<b>59.120.20</b>	Machines • Winding machines and equipment
<b>59.120.30</b>	Machines • Looms. Weaving machines
<b>59.120.40</b>	Machines • Knitting machines
<b>59.140.40</b>	Machines • Machines and equipment for leather and fur production
<b>61.080</b>	Machines • Sewing machines and other equipment for the clothing industry
<b>65.060</b>	Machines • Agricultural machines, implements and equipment
<b>65.060.01</b>	Machines • Agricultural machines and equipment in general
<b>65.060.99</b>	Machines • Other agricultural machines and equipment
<b>79.120.10</b>	Machines • Woodworking machines
<b>25.040.10</b>	Machining • Machining centres
<b>77.120.20</b>	Magnesium • Magnesium and magnesium alloys
<b>77.150.20</b>	Magnesium • Magnesium products
<b>17.220</b>	Magnetic • Electricity. Magnetism. Electrical and magnetic measurements
<b>17.220.20</b>	Magnetic • Measurement of electrical and magnetic quantities
<b>29.030</b>	Magnetic • Magnetic materials
<b>29.100.10</b>	Magnetic • Magnetic components
<b>35.220.20</b>	Magnetic • Magnetic storage devices in general
<b>35.220.21</b>	Magnetic • Magnetic disks
<b>35.220.22</b>	Magnetic • Magnetic tapes
<b>35.220.23</b>	Magnetic • Cassettes and cartridges for magnetic tapes
<b>77.140.40</b>	Magnetic • Steels with special magnetic properties
<b>17.220</b>	Magnetism • Electricity. Magnetism. Electrical and magnetic measurements
<b>17.220.01</b>	Magnetism • Electricity. Magnetism. General aspects
<b>17.220.99</b>	Magnetism • Other standards related to electricity and magnetism
<b>03.080.10</b>	Maintenance • Maintenance services. Facilities management
<b>43.180</b>	Maintenance • Diagnostic, maintenance and test equipment
<b>45.120</b>	Maintenance • Equipment for railway/cableway construction and maintenance
<b>49.100</b>	Maintenance • Ground service and maintenance equipment
<b>59.060.20</b>	Man-made • Man-made fibres
<b>01.040.03</b>	Management • Services. Company organization, management and quality. Administration. Transport. Sociology. (Vocabularies)
<b>03</b>	Management • Services. Company organization, management and quality. Administration. Transport. Sociology
<b>03.080.10</b>	Management • Maintenance services. Facilities management
<b>03.100</b>	Management • Company organization and management. Management systems
<b>03.100.01</b>	Management • Company organization and management in general
<b>03.100.30</b>	Management • Management of human resources
<b>03.100.50</b>	Management • Production. Production management
<b>03.100.70</b>	Management • Management systems
<b>03.100.99</b>	Management • Other standards related to company organization and management

<b>03.120.10</b>	Management • Quality management and quality assurance
<b>11.020.01</b>	Management • Quality and environmental management in health care
<b>13.020.10</b>	Management • Environmental management
<b>73.060.20</b>	Manganese • Manganese ores
<b>25.040.30</b>	Manipulators • Industrial robots. Manipulators
<b>53.120</b>	Manual • Equipment for manual handling
<b>01.040.25</b>	Manufacturing • Manufacturing engineering (Vocabularies)
<b>25</b>	Manufacturing • Manufacturing engineering
<b>25.020</b>	Manufacturing • Manufacturing forming processes
<b>25.030</b>	Manufacturing • Additive manufacturing
<b>83.020</b>	Manufacturing • Manufacturing processes in the rubber and plastics industries
<b>01.080.30</b>	Maps • Graphical symbols for use on mechanical engineering and construction drawings, diagrams, plans, maps and in relevant technical product documentation
<b>01.040.47</b>	Marine • Shipbuilding and marine structures (Vocabularies)
<b>47</b>	Marine • Shipbuilding and marine structures
<b>47.020</b>	Marine • Shipbuilding and marine structures in general
<b>47.020.01</b>	Marine • General standards related to shipbuilding and marine structures
<b>47.020.20</b>	Marine • Marine engines and propulsion systems
<b>47.020.60</b>	Marine • Electrical equipment of ships and of marine structures
<b>47.020.90</b>	Marine • Marine ventilation, air conditioning and heating systems
<b>47.020.99</b>	Marine • Other standards related to shipbuilding and marine structures
<b>03.100.20</b>	Marketing • Trade. Commercial function. Marketing
<b>91.080.30</b>	Masonry • Masonry
<b>17.060</b>	Mass • Measurement of volume, mass, density, viscosity
<b>01.040.53</b>	Materials • Materials handling equipment (Vocabularies)
<b>01.040.91</b>	Materials • Construction materials and building (Vocabularies)
<b>11.040.30</b>	Materials • Surgical instruments and materials
<b>11.060.10</b>	Materials • Dental materials
<b>13.220.40</b>	Materials • Ignitability and burning behaviour of materials and products
<b>13.220.50</b>	Materials • Fire-resistance of building materials and elements
<b>23.040.50</b>	Materials • Pipes and fittings of other materials
<b>27.120.30</b>	Materials • Fissile materials and nuclear fuel technology
<b>29.030</b>	Materials • Magnetic materials
<b>29.035</b>	Materials • Insulating materials
<b>29.035.01</b>	Materials • Insulating materials in general
<b>29.035.10</b>	Materials • Paper and board insulating materials
<b>29.035.20</b>	Materials • Plastics and rubber insulating materials
<b>29.035.30</b>	Materials • Glass and ceramic insulating materials
<b>29.035.50</b>	Materials • Mica based materials
<b>29.035.99</b>	Materials • Other insulating materials
<b>29.045</b>	Materials • Semiconducting materials
<b>29.050</b>	Materials • Superconductivity and conducting materials
<b>37.100.20</b>	Materials • Materials for graphic technology
<b>45.040</b>	Materials • Materials and components for railway engineering
<b>47.020.05</b>	Materials • Materials and components for shipbuilding
<b>49.025</b>	Materials • Materials for aerospace construction
<b>49.025.01</b>	Materials • Materials for aerospace construction in general
<b>49.025.99</b>	Materials • Other materials
<b>53</b>	Materials • Materials handling equipment

<b>55.040</b>	Materials • Packaging materials and accessories
<b>59.040</b>	Materials • Textile auxiliary materials
<b>59.100</b>	Materials • Materials for the reinforcement of composites
<b>59.100.01</b>	Materials • Materials for the reinforcement of composites in general
<b>59.100.10</b>	Materials • Textile glass materials
<b>59.100.20</b>	Materials • Carbon materials
<b>59.100.30</b>	Materials • Aramide materials
<b>59.100.99</b>	Materials • Other materials for the reinforcement of composites
<b>59.140.10</b>	Materials • Processes and auxiliary materials
<b>67.250</b>	Materials • Materials and articles in contact with foodstuffs
<b>71.100.10</b>	Materials • Materials for aluminium production
<b>75.140</b>	Materials • Waxes, bituminous materials and other petroleum products
<b>81.040.10</b>	Materials • Raw materials and raw glass
<b>81.060.10</b>	Materials • Raw materials
<b>83.040</b>	Materials • Raw materials for rubber and plastics
<b>83.040.01</b>	Materials • Raw materials for rubber and plastics in general
<b>83.040.30</b>	Materials • Auxiliary materials and additives for plastics
<b>83.080.10</b>	Materials • Thermosetting materials
<b>83.080.20</b>	Materials • Thermoplastic materials
<b>83.100</b>	Materials • Cellular materials
<b>91</b>	Materials • Construction materials and building
<b>91.100</b>	Materials • Construction materials
<b>91.100.01</b>	Materials • Construction materials in general
<b>91.100.15</b>	Materials • Mineral materials and products
<b>91.100.50</b>	Materials • Binders. Sealing materials
<b>91.100.60</b>	Materials • Thermal and sound insulating materials
<b>91.100.99</b>	Materials • Other construction materials
<b>93.080.20</b>	Materials • Road construction materials
<b>07.020</b>	Mathematics • Mathematics
<b>01.040.17</b>	Measurement • Metrology and measurement. Physical phenomena (Vocabularies)
<b>17</b>	Measurement • Metrology and measurement. Physical phenomena
<b>17.020</b>	Measurement • Metrology and measurement in general
<b>17.060</b>	Measurement • Measurement of volume, mass, density, viscosity
<b>17.080</b>	Measurement • Measurement of time, velocity, acceleration, angular velocity
<b>17.100</b>	Measurement • Measurement of force, weight and pressure
<b>17.120</b>	Measurement • Measurement of fluid flow
<b>17.120.01</b>	Measurement • Measurement of fluid flow in general
<b>17.180.20</b>	Measurement • Colours and measurement of light
<b>17.220.20</b>	Measurement • Measurement of electrical and magnetic quantities
<b>25.040.40</b>	Measurement • Industrial process measurement and control
<b>17.040</b>	Measurements • Linear and angular measurements
<b>17.040.01</b>	Measurements • Linear and angular measurements in general
<b>17.040.99</b>	Measurements • Other standards related to linear and angular measurements
<b>17.140</b>	Measurements • Acoustics and acoustic measurements
<b>17.140.01</b>	Measurements • Acoustic measurements and noise abatement in general
<b>17.160</b>	Measurements • Vibrations, shock and vibration measurements
<b>17.180</b>	Measurements • Optics and optical measurements
<b>17.180.01</b>	Measurements • Optics and optical measurements in general
<b>17.180.99</b>	Measurements • Other standards related to optics and optical measurements

<b>17.200</b>	Measurements • Thermodynamics and temperature measurements
<b>17.220</b>	Measurements • Electricity. Magnetism. Electrical and magnetic measurements
<b>17.240</b>	Measurements • Radiation measurements
<b>75.180.30</b>	Measurements • Volumetric equipment and measurements
<b>67.120</b>	Meat • Meat, meat products and other animal produce
<b>67.120.10</b>	Meat • Meat and meat products
<b>01.040.21</b>	Mechanical • Mechanical systems and components for general use (Vocabularies)
<b>01.080.30</b>	Mechanical • Graphical symbols for use on mechanical engineering and construction drawings, diagrams, plans, maps and in relevant technical product documentation
<b>01.100.20</b>	Mechanical • Mechanical engineering drawings
<b>11.200</b>	Mechanical • Birth control. Mechanical contraceptives
<b>19.060</b>	Mechanical • Mechanical testing
<b>21</b>	Mechanical • Mechanical systems and components for general use
<b>31.240</b>	Mechanical • Mechanical structures for electronic equipment
<b>77.040.10</b>	Mechanical • Mechanical testing of metals
<b>01.040.39</b>	Mechanics • Precision mechanics. Jewellery (Vocabularies)
<b>39</b>	Mechanics • Precision mechanics. Jewellery
<b>39.020</b>	Mechanics • Precision mechanics
<b>21.240</b>	Mechanisms • Rotary-reciprocating mechanisms and their parts
<b>07.100.10</b>	Medical • Medical microbiology
<b>11.020</b>	Medical • Medical sciences and health care facilities in general
<b>11.020.20</b>	Medical • Medical science
<b>11.040</b>	Medical • Medical equipment
<b>11.040.01</b>	Medical • Medical equipment in general
<b>11.040.99</b>	Medical • Other medical equipment
<b>11.100.20</b>	Medical • Biological evaluation of medical devices
<b>11.120.10</b>	Medicaments • Medicaments
<b>11.100</b>	Medicine • Laboratory medicine
<b>11.100.01</b>	Medicine • Laboratory medicine in general
<b>11.100.99</b>	Medicine • Other standards related to laboratory medicine
<b>11.220</b>	Medicine • Veterinary medicine
<b>23.040.15</b>	Metal • Non-ferrous metal pipes
<b>23.040.40</b>	Metal • Metal fittings
<b>59.060.30</b>	Metal • Mineral and metal fibres
<b>91.080.10</b>	Metal • Metal structures
<b>25.220.40</b>	Metallic • Metallic coatings
<b>73.060</b>	Metalliferous • Metalliferous minerals and their concentrates
<b>73.060.01</b>	Metalliferous • Metalliferous minerals in general
<b>73.060.99</b>	Metalliferous • Other metalliferous minerals
<b>77.180</b>	Metallurgical • Equipment for the metallurgical industry
<b>01.040.77</b>	Metallurgy • Metallurgy (Vocabularies)
<b>77</b>	Metallurgy • Metallurgy
<b>77.160</b>	Metallurgy • Powder metallurgy
<b>77.020</b>	Metals • Production of metals
<b>77.040</b>	Metals • Testing of metals
<b>77.040.01</b>	Metals • Testing of metals in general
<b>77.040.10</b>	Metals • Mechanical testing of metals
<b>77.040.20</b>	Metals • Non-destructive testing of metals
<b>77.040.30</b>	Metals • Chemical analysis of metals

<b>77.040.99</b>	Metals • Other methods of testing of metals
<b>77.060</b>	Metals • Corrosion of metals
<b>77.080</b>	Metals • Ferrous metals
<b>77.080.01</b>	Metals • Ferrous metals in general
<b>77.120</b>	Metals • Non-ferrous metals
<b>77.120.01</b>	Metals • Non-ferrous metals in general
<b>77.120.99</b>	Metals • Other non-ferrous metals and their alloys
<b>77.150</b>	Metals • Products of non-ferrous metals
<b>77.150.01</b>	Metals • Products of non-ferrous metals in general
<b>77.150.99</b>	Metals • Other products of non-ferrous metals
<b>07.060</b>	Meteorology • Geology. Meteorology. Hydrology
<b>21.040.10</b>	Metric • Metric screw threads
<b>45.140</b>	Metro • Metro, tram and light rail equipment
<b>01.040.17</b>	Metrology • Metrology and measurement. Physical phenomena (Vocabularies)
<b>17</b>	Metrology • Metrology and measurement. Physical phenomena
<b>17.020</b>	Metrology • Metrology and measurement in general
<b>29.035.50</b>	Mica • Mica based materials
<b>31.060.20</b>	Mica • Ceramic and mica capacitors
<b>07.100</b>	Microbiology • Microbiology
<b>07.100.01</b>	Microbiology • Microbiology in general
<b>07.100.10</b>	Microbiology • Medical microbiology
<b>07.100.20</b>	Microbiology • Microbiology of water
<b>07.100.30</b>	Microbiology • Food microbiology
<b>07.100.40</b>	Microbiology • Cosmetics microbiology
<b>07.100.99</b>	Microbiology • Other standards related to microbiology
<b>31.200</b>	Microelectronics • Integrated circuits. Microelectronics
<b>35.160</b>	Microprocessor • Microprocessor systems
<b>01.040.95</b>	Military • Military Affairs. Military engineering. Weapons (Vocabularies)
<b>95</b>	Military • Military affairs. Military engineering. Weapons
<b>95.020</b>	Military • Military in general
<b>95.040</b>	Military • Military engineering
<b>67.100</b>	Milk • Milk and milk products
<b>67.100.01</b>	Milk • Milk and milk products in general
<b>67.100.10</b>	Milk • Milk and processed milk products
<b>67.100.99</b>	Milk • Other milk products
<b>25.080.20</b>	Milling • Boring and milling machines
<b>25.100.20</b>	Milling • Milling tools
<b>73.100.30</b>	Mine • Equipment for drilling and mine excavation
<b>59.060.30</b>	Mineral • Mineral and metal fibres
<b>91.100.15</b>	Mineral • Mineral materials and products
<b>01.040.73</b>	Minerals • Mining and minerals (Vocabularies)
<b>73</b>	Minerals • Mining and minerals
<b>73.060</b>	Minerals • Metalliferous minerals and their concentrates
<b>73.060.01</b>	Minerals • Metalliferous minerals in general
<b>73.060.99</b>	Minerals • Other metalliferous minerals
<b>73.080</b>	Minerals • Non-metalliferous minerals
<b>73.120</b>	Minerals • Equipment for processing of minerals
<b>01.040.73</b>	Mining • Mining and minerals (Vocabularies)
<b>73</b>	Mining • Mining and minerals

<b>73.020</b>	Mining • Mining and quarrying
<b>73.100</b>	Mining • Mining equipment
<b>73.100.01</b>	Mining • Mining equipment in general
<b>73.100.99</b>	Mining • Other mining equipment
<b>25.060.10</b>	Modular • Modular units and other devices
<b>03.060</b>	Monetary • Finances. Banking. Monetary systems. Insurance
<b>43.140</b>	Mopeds • Motorcycles and mopeds
<b>91.100.10</b>	Mortar • Cement. Gypsum. Lime. Mortar
<b>37.060.10</b>	Motion • Motion picture equipment
<b>37.060.20</b>	Motion • Motion picture films. Cartridges
<b>43.140</b>	Motorcycles • Motorcycles and mopeds
<b>23.100.10</b>	Motors • Pumps and motors
<b>29.160.30</b>	Motors • Motors
<b>25.120.30</b>	Moulding • Moulding equipment
<b>11.180.10</b>	Moving • Aids and adaptation for moving
<b>35.100.05</b>	Multilayer • Multilayer applications
<b>33.160.60</b>	Multimedia • Multimedia systems and teleconferencing equipment
<b>35.040.40</b>	Multimedia • Coding of audio, video, multimedia and hypermedia information
<b>97.200.20</b>	Musical • Musical instruments

# N

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<b>21.060.50</b>	Nails • Pins, nails
<b>49.030.40</b>	Nails • Pins, nails
<b>07.120</b>	Nanotechnologies • Nanotechnologies
<b>47.020.70</b>	Navigation • Navigation and control equipment
<b>47.060</b>	Navigation • Inland navigation vessels
<b>11.040.25</b>	Needles • Syringes, needles and catheters
<b>55.180.30</b>	Nets • Air mode containers, pallets and nets
<b>33.080</b>	Network • Integrated Services Digital Network (ISDN)
<b>35.100.30</b>	Network • Network layer
<b>35.110</b>	Networking • Networking
<b>29.240</b>	Networks • Power transmission and distribution networks
<b>29.240.01</b>	Networks • Power transmission and distribution networks in general
<b>29.240.99</b>	Networks • Other equipment related to power transmission and distribution networks
<b>33.040.35</b>	Networks • Telephone networks
<b>33.040.40</b>	Networks • Data communication networks
<b>77.120.40</b>	Nickel • Nickel, chromium and their alloys
<b>77.150.40</b>	Nickel • Nickel and chromium products
<b>71.080.30</b>	Nitrogen • Organic nitrogen compounds
<b>13.140</b>	Noise • Noise with respect to human beings
<b>17.140.01</b>	Noise • Acoustic measurements and noise abatement in general
<b>17.140.20</b>	Noise • Noise emitted by machines and equipment
<b>17.140.30</b>	Noise • Noise emitted by means of transport
<b>83.140.30</b>	Non • Plastics pipes and fittings for non fluid use

<b>67.160.20</b>	Non-alcoholic • Non-alcoholic beverages
<b>77.140.45</b>	Non-alloyed • Non-alloyed steels
<b>19.100</b>	Non-destructive • Non-destructive testing
<b>77.040.20</b>	Non-destructive • Non-destructive testing of metals
<b>23.040.15</b>	Non-ferrous • Non-ferrous metal pipes
<b>49.025.15</b>	Non-ferrous • Non-ferrous alloys in general
<b>77.120</b>	Non-ferrous • Non-ferrous metals
<b>77.120.01</b>	Non-ferrous • Non-ferrous metals in general
<b>77.120.99</b>	Non-ferrous • Other non-ferrous metals and their alloys
<b>77.150</b>	Non-ferrous • Products of non-ferrous metals
<b>77.150.01</b>	Non-ferrous • Products of non-ferrous metals in general
<b>77.150.99</b>	Non-ferrous • Other products of non-ferrous metals
<b>73.080</b>	Non-metalliferous • Non-metalliferous minerals
<b>27.120</b>	Nuclear • Nuclear energy engineering
<b>27.120.01</b>	Nuclear • Nuclear energy in general
<b>27.120.20</b>	Nuclear • Nuclear power plants. Safety
<b>27.120.30</b>	Nuclear • Fissile materials and nuclear fuel technology
<b>27.120.99</b>	Nuclear • Other standards related to nuclear energy
<b>25.040.20</b>	Numerically • Numerically controlled machines
<b>21.060.20</b>	Nuts • Nuts
<b>49.030.30</b>	Nuts • Nuts

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<b>13.100</b>	Occupational • Occupational safety. Industrial hygiene
<b>35.240.20</b>	Office • IT applications in office work
<b>35.260</b>	Office • Office machines
<b>85.080.10</b>	Office • Office paper
<b>29.040.10</b>	Oils • Insulating oils
<b>67.200</b>	Oils • Edible oils and fats. Oilseeds
<b>67.200.10</b>	Oils • Animal and vegetable fats and oils
<b>71.100.60</b>	Oils • Essential oils
<b>75.100</b>	Oils • Lubricants, industrial oils and related products
<b>67.200</b>	Oilseeds • Edible oils and fats. Oilseeds
<b>67.200.20</b>	Oilseeds • Oilseeds
<b>49.090</b>	On-board • On-board equipment and instruments
<b>17.120.20</b>	Open • Flow in open channels
<b>35.100</b>	Open • Open systems interconnection (OSI)
<b>35.100.01</b>	Open • Open systems interconnection in general
<b>49.140</b>	Operations • Space systems and operations
<b>11.040.70</b>	Ophthalmic • Ophthalmic equipment
<b>33.180</b>	Optic • Fibre optic communications
<b>33.180.01</b>	Optic • Fibre optic systems in general
<b>33.180.20</b>	Optic • Fibre optic interconnecting devices
<b>33.180.30</b>	Optic • Optic amplifiers



<b>33.180.99</b>	Optic • Other fibre optic equipment
<b>17.180</b>	Optical • Optics and optical measurements
<b>17.180.01</b>	Optical • Optics and optical measurements in general
<b>17.180.30</b>	Optical • Optical measuring instruments
<b>17.180.99</b>	Optical • Other standards related to optics and optical measurements
<b>35.220.30</b>	Optical • Optical storage devices
<b>37.020</b>	Optical • Optical equipment
<b>17.180</b>	Optics • Optics and optical measurements
<b>17.180.01</b>	Optics • Optics and optical measurements in general
<b>17.180.99</b>	Optics • Other standards related to optics and optical measurements
<b>31.260</b>	Optoelectronics • Optoelectronics. Laser equipment
<b>73.060.10</b>	Ores • Iron ores
<b>73.060.20</b>	Ores • Manganese ores
<b>73.060.30</b>	Ores • Chromium ores
<b>73.060.40</b>	Ores • Aluminium ores
<b>25.220.60</b>	Organic • Organic coatings
<b>71.080</b>	Organic • Organic chemicals
<b>71.080.01</b>	Organic • Organic chemicals in general
<b>71.080.30</b>	Organic • Organic nitrogen compounds
<b>71.080.40</b>	Organic • Organic acids
<b>71.080.99</b>	Organic • Other organic chemicals
<b>01.040.03</b>	Organization • Services. Company organization, management and quality. Administration. Transport. Sociology. (Vocabularies)
<b>03</b>	Organization • Services. Company organization, management and quality. Administration. Transport. Sociology
<b>03.100</b>	Organization • Company organization and management. Management systems
<b>03.100.01</b>	Organization • Company organization and management in general
<b>03.100.99</b>	Organization • Other standards related to company organization and management
<b>11.040.40</b>	Orthotics • Implants for surgery, prosthetics and orthotics
<b>35.100</b>	Osi • Open systems interconnection (OSI)
<b>11.180.20</b>	Ostomy • Aids for incontinence and ostomy
<b>29.260.10</b>	Outdoor • Electrical installations for outdoor use
<b>97.220.40</b>	Outdoor • Outdoor and water sports equipment
<b>97.040.20</b>	Ovens • Cooking ranges, working tables, ovens and similar appliances
<b>29.120.50</b>	Overcurrent • Fuses and other overcurrent protection devices
<b>71.060.20</b>	Oxides • Oxides

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<b>55.180.40</b>	Packages • Complete, filled transport packages
<b>01.040.55</b>	Packaging • Packaging and distribution of goods (Vocabularies)
<b>11.080.30</b>	Packaging • Sterilized packaging
<b>55</b>	Packaging • Packaging and distribution of goods
<b>55.020</b>	Packaging • Packaging and distribution of goods in general
<b>55.040</b>	Packaging • Packaging materials and accessories

<b>55.200</b>	Packaging • Packaging machinery
<b>33.050.20</b>	Paging • Paging equipment
<b>33.070.20</b>	Paging • Paging systems
<b>01.040.87</b>	Paint • Paint and colour industries (Vocabularies)
<b>87</b>	Paint • Paint and colour industries
<b>87.020</b>	Paint • Paint coating processes
<b>87.060</b>	Paint • Paint ingredients
<b>87.060.01</b>	Paint • Paint ingredients in general
<b>87.060.99</b>	Paint • Other paint ingredients
<b>87.100</b>	Paint • Paint coating equipment
<b>87.040</b>	Paints • Paints and varnishes
<b>55.180.20</b>	Pallets • General purpose pallets
<b>55.180.30</b>	Pallets • Air mode containers, pallets and nets
<b>79.060</b>	Panels • Wood-based panels
<b>79.060.01</b>	Panels • Wood-based panels in general
<b>79.060.99</b>	Panels • Other wood-based panels
<b>01.040.85</b>	Paper • Paper technology (Vocabularies)
<b>29.035.10</b>	Paper • Paper and board insulating materials
<b>31.060.30</b>	Paper • Paper and plastics capacitors
<b>35.220.10</b>	Paper • Paper cards and tapes
<b>37.040.20</b>	Paper • Photographic paper, films and plates. Cartridges
<b>85</b>	Paper • Paper technology
<b>85.020</b>	Paper • Paper production processes
<b>85.060</b>	Paper • Paper and board
<b>85.080</b>	Paper • Paper products
<b>85.080.01</b>	Paper • Paper products in general
<b>85.080.10</b>	Paper • Office paper
<b>85.080.20</b>	Paper • Tissue paper
<b>85.080.99</b>	Paper • Other paper products
<b>85.100</b>	Paper • Equipment for the paper industry
<b>11.180.30</b>	Partially • Aids for blind or partially sighted people
<b>19.120</b>	Particle • Particle size analysis. Sieving
<b>79.060.20</b>	Particle • Fibre and particle boards
<b>91.060.10</b>	Partitions • Walls. Partitions. Façades
<b>43.100</b>	Passenger • Passenger cars. Caravans and light trailers
<b>49.095</b>	Passenger • Passenger and cabin equipment
<b>03.140</b>	Patents • Patents. Intellectual property
<b>13.080</b>	Pedology • Soil quality. Pedology
<b>13.080.01</b>	Pedology • Soil quality and pedology in general
<b>59.140.20</b>	Pelts • Raw skins, hides and pelts
<b>11.180.15</b>	People • Aids for deaf and hearing impaired people
<b>11.180.30</b>	People • Aids for blind or partially sighted people
<b>11.180.99</b>	People • Other standards related to aids for disabled and handicapped people
<b>35.180</b>	Peripheral • IT terminal and other peripheral equipment
<b>11.180</b>	Persons • Aids for disabled or handicapped persons
<b>11.180.01</b>	Persons • Aids for disabled and handicapped persons in general
<b>65.100</b>	Pesticides • Pesticides and other agrochemicals
<b>65.100.01</b>	Pesticides • Pesticides and other agrochemicals in general
<b>65.100.99</b>	Pesticides • Other pesticides and agrochemicals

<b>01.040.75</b>	Petroleum • Petroleum and related technologies (Vocabularies)
<b>75</b>	Petroleum • Petroleum and related technologies
<b>75.020</b>	Petroleum • Extraction and processing of petroleum and natural gas
<b>75.040</b>	Petroleum • Crude petroleum
<b>75.080</b>	Petroleum • Petroleum products in general
<b>75.140</b>	Petroleum • Waxes, bituminous materials and other petroleum products
<b>75.180</b>	Petroleum • Equipment for petroleum and natural gas industries
<b>75.180.01</b>	Petroleum • Equipment for petroleum and natural gas industries in general
<b>75.180.99</b>	Petroleum • Other equipment for petroleum and natural gas industries
<b>75.200</b>	Petroleum • Petroleum products and natural gas handling equipment
<b>11.120</b>	Pharmaceutics • Pharmaceutics
<b>11.120.01</b>	Pharmaceutics • Pharmaceutics in general
<b>11.120.99</b>	Pharmaceutics • Other standards related to pharmaceutics
<b>71.080.90</b>	Phenols • Phenols
<b>01.040.17</b>	Phenomena • Metrology and measurement. Physical phenomena (Vocabularies)
<b>17</b>	Phenomena • Metrology and measurement. Physical phenomena
<b>37.040.10</b>	Photographic • Photographic equipment. Projectors
<b>37.040.20</b>	Photographic • Photographic paper, films and plates. Cartridges
<b>37.040.30</b>	Photographic • Photographic chemicals
<b>35.040.30</b>	Photographical • Coding of graphical and photographical information
<b>37.040</b>	Photography • Photography
<b>37.040.01</b>	Photography • Photography in general
<b>37.040.99</b>	Photography • Other standards related to photography
<b>07.030</b>	Physics • Physics. Chemistry
<b>37.060.10</b>	Picture • Motion picture equipment
<b>37.060.20</b>	Picture • Motion picture films. Cartridges
<b>31.140</b>	Piezoelectric • Piezoelectric devices
<b>87.060.10</b>	Pigments • Pigments and extenders
<b>21.060.50</b>	Pins • Pins, nails
<b>49.030.40</b>	Pins • Pins, nails
<b>23.040.80</b>	Pipe • Seals for pipe and hose assemblies
<b>23.040</b>	Pipeline • Pipeline components and pipelines
<b>23.040.01</b>	Pipeline • Pipeline components and pipelines in general
<b>23.040.99</b>	Pipeline • Other pipeline components
<b>23.040</b>	Pipelines • Pipeline components and pipelines
<b>23.040.01</b>	Pipelines • Pipeline components and pipelines in general
<b>23.040.03</b>	Pipelines • Pipelines and its parts for external water conveyance systems
<b>23.040.05</b>	Pipelines • Pipelines and its parts for external sewage systems
<b>23.040.07</b>	Pipelines • Pipelines and its parts for district heat
<b>23.040.10</b>	Pipes • Iron and steel pipes
<b>23.040.15</b>	Pipes • Non-ferrous metal pipes
<b>23.040.20</b>	Pipes • Plastics pipes
<b>23.040.50</b>	Pipes • Pipes and fittings of other materials
<b>77.140.75</b>	Pipes • Steel pipes and tubes for specific use
<b>83.140.30</b>	Pipes • Plastics pipes and fittings for non fluid use
<b>23.100.40</b>	Piping • Piping and couplings
<b>47.020.30</b>	Piping • Piping systems
<b>21.100.10</b>	Plain • Plain bearings
<b>25.080.25</b>	Planing • Planing machines

<b>25.100.25</b>	Planing • Tools for planing and broaching machines
<b>91.020</b>	Planning • Physical planning. Town planning
<b>01.080.30</b>	Plans • Graphical symbols for use on mechanical engineering and construction drawings, diagrams, plans, maps and in relevant technical product documentation
<b>65.020.20</b>	Plant • Plant growing
<b>65.060.40</b>	Plant • Plant care equipment
<b>65.060.30</b>	Planting • Sowing and planting equipment
<b>27.120.20</b>	Plants • Nuclear power plants. Safety
<b>67.260</b>	Plants • Plants and equipment for the food industry
<b>83</b>	Plastic • Rubber and plastic industries
<b>01.040.83</b>	Plastics • Rubber and plastics industries (Vocabularies)
<b>23.040.20</b>	Plastics • Plastics pipes
<b>23.040.45</b>	Plastics • Plastics fittings
<b>29.035.20</b>	Plastics • Plastics and rubber insulating materials
<b>31.060.30</b>	Plastics • Paper and plastics capacitors
<b>49.025.40</b>	Plastics • Rubber and plastics
<b>83.020</b>	Plastics • Manufacturing processes in the rubber and plastics industries
<b>83.040</b>	Plastics • Raw materials for rubber and plastics
<b>83.040.01</b>	Plastics • Raw materials for rubber and plastics in general
<b>83.040.30</b>	Plastics • Auxiliary materials and additives for plastics
<b>83.080</b>	Plastics • Plastics
<b>83.080.01</b>	Plastics • Plastics in general
<b>83.120</b>	Plastics • Reinforced plastics
<b>83.140</b>	Plastics • Rubber and plastics products
<b>83.140.01</b>	Plastics • Rubber and plastics products in general
<b>83.140.30</b>	Plastics • Plastics pipes and fittings for non fluid use
<b>83.140.99</b>	Plastics • Other rubber and plastics products
<b>83.200</b>	Plastics • Equipment for the rubber and plastics industries
<b>01.080.10</b>	Plates • Public information symbols. Signs. Plates. Labels
<b>37.040.20</b>	Plates • Photographic paper, films and plates. Cartridges
<b>97.200.40</b>	Playgrounds • Playgrounds
<b>23.060.20</b>	Plug • Ball and plug valves
<b>31.220.10</b>	Plug-and-socket • Plug-and-socket devices. Connectors
<b>29.120.30</b>	Plugs • Plugs, socket-outlets, couplers
<b>79.060.10</b>	Plywood • Plywood
<b>23.140</b>	Pneumatic • Compressors and pneumatic machines
<b>25.140.10</b>	Pneumatic • Pneumatic tools
<b>53.040.30</b>	Pneumatic • Pneumatic transport and its components
<b>25.080.50</b>	Polishing • Grinding and polishing machines
<b>13.020.40</b>	Pollution • Pollution, pollution control and conservation
<b>93.140</b>	Ports • Construction of waterways, ports and dykes
<b>03.240</b>	Postal • Postal services
<b>35.240.69</b>	Postal • IT applications in postal services
<b>31.040.20</b>	Potentiometers • Potentiometers, variable resistors
<b>55.100</b>	Pots • Bottles. Pots. Jars
<b>67.120.20</b>	Poultry • Poultry and eggs
<b>77.160</b>	Powder • Powder metallurgy
<b>23.100</b>	Power • Fluid power systems
<b>23.100.01</b>	Power • Fluid power systems in general

<b>23.100.99</b>	Power • Other fluid power system components
<b>27.100</b>	Power • Power stations in general
<b>27.120.20</b>	Power • Nuclear power plants. Safety
<b>29.200</b>	Power • Rectifiers. Converters. Stabilized power supply
<b>29.240</b>	Power • Power transmission and distribution networks
<b>29.240.01</b>	Power • Power transmission and distribution networks in general
<b>29.240.20</b>	Power • Power transmission and distribution lines
<b>29.240.30</b>	Power • Control equipment for electric power systems
<b>29.240.99</b>	Power • Other equipment related to power transmission and distribution networks
<b>31.060.70</b>	Power • Power capacitors
<b>33.040.60</b>	Powerline • Powerline telecommunications
<b>01.040.39</b>	Precision • Precision mechanics. Jewellery (Vocabularies)
<b>39</b>	Precision • Precision mechanics. Jewellery
<b>39.020</b>	Precision • Precision mechanics
<b>67.230</b>	Prepackaged • Prepackaged and prepared foods
<b>25.220.10</b>	Preparation • Surface preparation
<b>65.060.25</b>	Preparation • Equipment for storage, preparation and distribution of fertilizers
<b>67.230</b>	Prepared • Prepackaged and prepared foods
<b>35.100.60</b>	Presentation • Presentation layer
<b>25.120.10</b>	Presses • Forging equipment. Presses. Shears
<b>13.240</b>	Pressure • Protection against excessive pressure
<b>17.100</b>	Pressure • Measurement of force, weight and pressure
<b>23.020.30</b>	Pressure • Pressure vessels
<b>23.060.40</b>	Pressure • Pressure regulators
<b>43.060.20</b>	Pressure • Pressure charging and air/exhaust gas ducting systems
<b>77.140.30</b>	Pressure • Steels for pressure purposes
<b>29.220.10</b>	Primary • Primary cells and batteries
<b>31.180</b>	Printed • Printed circuits and boards
<b>87.080</b>	Printing • Inks. Printing inks
<b>19.020</b>	Procedures • Test conditions and procedures in general
<b>25.040.40</b>	Process • Industrial process measurement and control
<b>25.020</b>	Processes • Manufacturing forming processes
<b>25.160.10</b>	Processes • Welding processes
<b>49.040</b>	Processes • Coatings and related processes used in aerospace industry
<b>59.020</b>	Processes • Processes of the textile industry
<b>59.140.10</b>	Processes • Processes and auxiliary materials
<b>67.020</b>	Processes • Processes in the food industry
<b>79.020</b>	Processes • Wood technology processes
<b>81.020</b>	Processes • Processes in the glass and ceramics industries
<b>83.020</b>	Processes • Manufacturing processes in the rubber and plastics industries
<b>85.020</b>	Processes • Paper production processes
<b>87.020</b>	Processes • Paint coating processes
<b>65.040.20</b>	Processing • Buildings and installations for processing and storage of agricultural produce
<b>73.120</b>	Processing • Equipment for processing of minerals
<b>75.020</b>	Processing • Extraction and processing of petroleum and natural gas
<b>75.180.20</b>	Processing • Processing equipment
<b>03.100.10</b>	Procurement • Purchasing. Procurement. Logistics
<b>03.100.50</b>	Production • Production. Production management
<b>59.140.40</b>	Production • Machines and equipment for leather and fur production

<b>71.020</b>	Production • Production in the chemical industry
<b>71.100.10</b>	Production • Materials for aluminium production
<b>77.020</b>	Production • Production of metals
<b>85.020</b>	Production • Paper production processes
<b>77.140.70</b>	Profiles • Steel profiles
<b>37.040.10</b>	Projectors • Photographic equipment. Projectors
<b>13.020.70</b>	Projects • Environmental projects
<b>03.140</b>	Property • Patents. Intellectual property
<b>97.195</b>	Property • Items of art and handicrafts. Cultural property and heritage
<b>47.020.20</b>	Propulsion • Marine engines and propulsion systems
<b>49.050</b>	Propulsion • Aerospace engines and propulsion systems
<b>11.040.40</b>	Prosthetics • Implants for surgery, prosthetics and orthotics
<b>01.040.13</b>	Protection • Environment. Health protection. Safety (Vocabularies)
<b>13</b>	Protection • Environment. Health protection. Safety
<b>13.020</b>	Protection • Environmental protection
<b>13.020.01</b>	Protection • Environment and environmental protection in general
<b>13.020.99</b>	Protection • Other standards related to environmental protection
<b>13.220</b>	Protection • Protection against fire
<b>13.220.01</b>	Protection • Protection against fire in general
<b>13.220.20</b>	Protection • Fire protection
<b>13.220.99</b>	Protection • Other standards related to protection against fire
<b>13.230</b>	Protection • Explosion protection
<b>13.240</b>	Protection • Protection against excessive pressure
<b>13.260</b>	Protection • Protection against electric shock. Live working
<b>13.280</b>	Protection • Radiation protection
<b>13.300</b>	Protection • Protection against dangerous goods
<b>13.310</b>	Protection • Protection against crime
<b>13.340.40</b>	Protection • Hand and arm protection
<b>13.340.50</b>	Protection • Leg and foot protection
<b>13.340.60</b>	Protection • Protection against falling and slipping
<b>29.120.50</b>	Protection • Fuses and other overcurrent protection devices
<b>43.040.80</b>	Protection • Crash protection and restraint systems
<b>91.120</b>	Protection • Protection of and in buildings
<b>91.120.01</b>	Protection • Protection of and in buildings in general
<b>91.120.25</b>	Protection • Seismic and vibration protection
<b>91.120.40</b>	Protection • Lightning protection
<b>91.120.99</b>	Protection • Other standards related to protection of and in buildings
<b>13.340</b>	Protective • Protective equipment
<b>13.340.01</b>	Protective • Protective equipment in general
<b>13.340.10</b>	Protective • Protective clothing
<b>13.340.20</b>	Protective • Head protective equipment
<b>13.340.30</b>	Protective • Respiratory protective devices
<b>13.340.99</b>	Protective • Other protective equipment
<b>01.140</b>	Publishing • Information sciences. Publishing
<b>01.140.40</b>	Publishing • Publishing
<b>35.240.30</b>	Publishing • IT applications in information, documentation and publishing
<b>85.040</b>	Pulps • Pulps
<b>67.060</b>	Pulses • Cereals, pulses and derived products
<b>23.080</b>	Pumps • Pumps

<b>23.100.10</b>	Pumps • Pumps and motors
<b>27.080</b>	Pumps • Heat pumps
<b>03.100.10</b>	Purchasing • Purchasing. Procurement. Logistics
<b>71.100.80</b>	Purification • Chemicals for purification of water
<b>71.100.30</b>	Pyrotechnics • Explosives. Pyrotechnics and fireworks

# Q

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<b>01.040.03</b>	Quality • Services. Company organization, management and quality. Administration. Transport. Sociology. (Vocabularies)
<b>03</b>	Quality • Services. Company organization, management and quality. Administration. Transport. Sociology
<b>03.120</b>	Quality • Quality
<b>03.120.01</b>	Quality • Quality in general
<b>03.120.10</b>	Quality • Quality management and quality assurance
<b>03.120.99</b>	Quality • Other standards related to quality
<b>11.020.01</b>	Quality • Quality and environmental management in health care
<b>13.040</b>	Quality • Air quality
<b>13.040.01</b>	Quality • Air quality in general
<b>13.040.99</b>	Quality • Other standards related to air quality
<b>13.060</b>	Quality • Water quality
<b>13.060.01</b>	Quality • Water quality in general
<b>13.060.99</b>	Quality • Other standards related to water quality
<b>13.080</b>	Quality • Soil quality. Pedology
<b>13.080.01</b>	Quality • Soil quality and pedology in general
<b>13.080.99</b>	Quality • Other standards related to soil quality
<b>01.060</b>	Quantities • Quantities and units
<b>17.220.20</b>	Quantities • Measurement of electrical and magnetic quantities
<b>73.020</b>	Quarrying • Mining and quarrying

# R

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<b>13.280</b>	Radiation • Radiation protection
<b>17.240</b>	Radiation • Radiation measurements
<b>33.060.30</b>	Radio • Radio relay and fixed satellite communications systems
<b>33.070.10</b>	Radio • Terrestrial Trunked Radio (TETRA)
<b>33.160.20</b>	Radio • Radio receivers
<b>33.170</b>	Radio • Television and radio broadcasting
<b>33.060</b>	Radiocommunications • Radiocommunications
<b>33.060.01</b>	Radiocommunications • Radiocommunications in general
<b>33.060.99</b>	Radiocommunications • Other equipment for radiocommunications
<b>11.040.50</b>	Radiographic • Radiographic equipment

<b>37.040.25</b>	Radiographic • Radiographic films
<b>03.220.30</b>	Rail • Transport by rail
<b>45.140</b>	Rail • Metro, tram and light rail equipment
<b>45.080</b>	Rails • Rails and railway components
<b>01.040.45</b>	Railway • Railway engineering (Vocabularies)
<b>45</b>	Railway • Railway engineering
<b>45.020</b>	Railway • Railway engineering in general
<b>45.040</b>	Railway • Materials and components for railway engineering
<b>45.060</b>	Railway • Railway rolling stock
<b>45.060.01</b>	Railway • Railway rolling stock in general
<b>45.080</b>	Railway • Rails and railway components
<b>45.120</b>	Railway/cableway • Equipment for railway/cableway construction and maintenance
<b>93.100</b>	Railways • Construction of railways
<b>97.040.20</b>	Ranges • Cooking ranges, working tables, ovens and similar appliances
<b>59.140.20</b>	Raw • Raw skins, hides and pelts
<b>81.040.10</b>	Raw • Raw materials and raw glass
<b>81.060.10</b>	Raw • Raw materials
<b>83.040</b>	Raw • Raw materials for rubber and plastics
<b>83.040.01</b>	Raw • Raw materials for rubber and plastics in general
<b>83.040.10</b>	Raw • Latex and raw rubber
<b>71.120.10</b>	Reaction • Reaction vessels and their components
<b>27.120.10</b>	Reactor • Reactor engineering
<b>29.180</b>	Reactors • Transformers. Reactors
<b>71.040.30</b>	Reagents • Chemical reagents
<b>25.100.30</b>	Reamers • Drills, countersinks, reamers
<b>11.040.10</b>	Reanimation • Anaesthetic, respiratory and reanimation equipment
<b>33.160.20</b>	Receivers • Radio receivers
<b>33.160.25</b>	Receivers • Television receivers
<b>33.060.20</b>	Receiving • Receiving and transmitting equipment
<b>27.220</b>	Recovery • Heat recovery. Thermal insulation
<b>29.200</b>	Rectifiers • Rectifiers. Converters. Stabilized power supply
<b>13.030.50</b>	Recycling • Recycling
<b>81.080</b>	Refractories • Refractories
<b>71.100.45</b>	Refrigerants • Refrigerants and antifreezes
<b>27.200</b>	Refrigerating • Refrigerating technology
<b>97.040.30</b>	Refrigerating • Domestic refrigerating appliances
<b>97.130.20</b>	Refrigerating • Commercial refrigerating appliances
<b>23.060.40</b>	Regulators • Pressure regulators
<b>83.120</b>	Reinforced • Reinforced plastics
<b>59.100</b>	Reinforcement • Materials for the reinforcement of composites
<b>59.100.01</b>	Reinforcement • Materials for the reinforcement of composites in general
<b>59.100.99</b>	Reinforcement • Other materials for the reinforcement of composites
<b>77.140.15</b>	Reinforcement • Steels for reinforcement of concrete
<b>03.200.99</b>	Relating • Other standards relating to leisure and tourism
<b>33.060.30</b>	Relay • Radio relay and fixed satellite communications systems
<b>29.120.70</b>	Relays • Relays
<b>37.100.10</b>	Reproduction • Reproduction equipment
<b>03.100.40</b>	Research • Research and development
<b>91.040.30</b>	Residential • Residential buildings



<b>31.040</b>	Resistors • Resistors
<b>31.040.01</b>	Resistors • Resistors in general
<b>31.040.10</b>	Resistors • Fixed resistors
<b>31.040.20</b>	Resistors • Potentiometers, variable resistors
<b>31.040.99</b>	Resistors • Other resistors
<b>03.100.30</b>	Resources • Management of human resources
<b>13.060.10</b>	Resources • Water of natural resources
<b>11.040.10</b>	Respiratory • Anaesthetic, respiratory and reanimation equipment
<b>13.340.30</b>	Respiratory • Respiratory protective devices
<b>43.040.80</b>	Restraint • Crash protection and restraint systems
<b>33.120.30</b>	Rf • RF connectors
<b>21.060.60</b>	Rings • Rings, bushes, sleeves, collars
<b>21.060.40</b>	Rivets • Rivets
<b>49.030.60</b>	Rivets • Rivets
<b>01.040.43</b>	Road • Road vehicle engineering (Vocabularies)
<b>03.220.20</b>	Road • Road transport
<b>43</b>	Road • Road vehicles engineering
<b>43.020</b>	Road • Road vehicles in general
<b>43.040</b>	Road • Road vehicle systems
<b>43.040.01</b>	Road • Road vehicle systems in general
<b>43.040.99</b>	Road • Other road vehicle systems
<b>43.060</b>	Road • Internal combustion engines for road vehicles
<b>43.060.01</b>	Road • Internal combustion engines for road vehicles in general
<b>43.120</b>	Road • Electric road vehicles
<b>83.160.10</b>	Road • Road vehicle tyres
<b>93.080</b>	Road • Road engineering
<b>93.080.01</b>	Road • Road engineering in general
<b>93.080.10</b>	Road • Road construction
<b>93.080.20</b>	Road • Road construction materials
<b>93.080.30</b>	Road • Road equipment and installations
<b>93.080.99</b>	Road • Other standards related to road engineering
<b>25.040.30</b>	Robots • Industrial robots. Manipulators
<b>77.140.60</b>	Rods • Steel bars and rods
<b>21.100.20</b>	Rolling • Rolling bearings
<b>25.120.20</b>	Rolling • Rolling, extruding and drawing equipment
<b>45.060</b>	Rolling • Railway rolling stock
<b>45.060.01</b>	Rolling • Railway rolling stock in general
<b>91.060.20</b>	Roofs • Roofs
<b>21.220.20</b>	Rope • Cable or rope drives and their components
<b>59.080.50</b>	Ropes • Ropes
<b>77.140.65</b>	Ropes • Steel wire, wire ropes and link chains
<b>93.110</b>	Ropeways • Construction of ropeways
<b>21.240</b>	Rotary-reciprocating • Rotary-reciprocating mechanisms and their parts
<b>29.160</b>	Rotating • Rotating machinery
<b>29.160.01</b>	Rotating • Rotating machinery in general
<b>29.160.10</b>	Rotating • Components for rotating machines
<b>29.160.99</b>	Rotating • Other standards related to rotating machinery
<b>01.040.83</b>	Rubber • Rubber and plastics industries (Vocabularies)
<b>29.035.20</b>	Rubber • Plastics and rubber insulating materials

<b>49.025.40</b>	Rubber • Rubber and plastics
<b>83</b>	Rubber • Rubber and plastic industries
<b>83.020</b>	Rubber • Manufacturing processes in the rubber and plastics industries
<b>83.040</b>	Rubber • Raw materials for rubber and plastics
<b>83.040.01</b>	Rubber • Raw materials for rubber and plastics in general
<b>83.040.10</b>	Rubber • Latex and raw rubber
<b>83.040.20</b>	Rubber • Rubber compounding ingredients
<b>83.060</b>	Rubber • Rubber
<b>83.140</b>	Rubber • Rubber and plastics products
<b>83.140.01</b>	Rubber • Rubber and plastics products in general
<b>83.140.99</b>	Rubber • Other rubber and plastics products
<b>83.200</b>	Rubber • Equipment for the rubber and plastics industries

# S

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<b>55.080</b>	Sacks • Sacks. Bags
<b>01.040.13</b>	Safety • Environment. Health protection. Safety (Vocabularies)
<b>13</b>	Safety • Environment. Health protection. Safety
<b>13.100</b>	Safety • Occupational safety. Industrial hygiene
<b>13.110</b>	Safety • Safety of machinery
<b>13.120</b>	Safety • Domestic safety
<b>27.120.20</b>	Safety • Nuclear power plants. Safety
<b>71.060.50</b>	Salts • Salts
<b>91.140.70</b>	Sanitary • Sanitary installations
<b>33.060.30</b>	Satellite • Radio relay and fixed satellite communications systems
<b>33.070.40</b>	Satellite • Satellite
<b>25.080.60</b>	Sawing • Sawing machines
<b>79.040</b>	Sawlogs • Wood, sawlogs and sawn timber
<b>79.040</b>	Sawn • Wood, sawlogs and sawn timber
<b>25.100.40</b>	Saws • Saws
<b>07.140</b>	Science • Forensic science
<b>11.020.20</b>	Science • Medical science
<b>35.240.70</b>	Science • IT applications in science
<b>01.040.07</b>	Sciences • Natural and applied sciences (Vocabularies)
<b>01.140</b>	Sciences • Information sciences. Publishing
<b>01.140.20</b>	Sciences • Information sciences
<b>07</b>	Sciences • Natural and applied sciences
<b>11.020</b>	Sciences • Medical sciences and health care facilities in general
<b>21.040</b>	Screw • Screw threads
<b>21.040.01</b>	Screw • Screw threads in general
<b>21.040.10</b>	Screw • Metric screw threads
<b>21.040.20</b>	Screw • Inch screw threads
<b>21.040.30</b>	Screw • Special screw threads
<b>49.030.10</b>	Screw • Screw threads
<b>21.060.10</b>	Screws • Bolts, screws, studs

<b>49.030.20</b>	Screws • Bolts, screws, studs
<b>47.040</b>	Seagoing • Seagoing vessels
<b>91.100.50</b>	Sealing • Binders. Sealing materials
<b>21.140</b>	Seals • Seals, glands
<b>23.040.80</b>	Seals • Seals for pipe and hose assemblies
<b>23.100.60</b>	Seals • Filters, seals and contamination of fluids
<b>83.140.50</b>	Seals • Seals
<b>29.220.20</b>	Secondary • Acid secondary cells and batteries
<b>29.220.30</b>	Secondary • Alkaline secondary cells and batteries
<b>35.030</b>	Security • IT Security
<b>91.120.25</b>	Seismic • Seismic and vibration protection
<b>79.080</b>	Semi-manufactures • Semi-manufactures of timber
<b>77.140.50</b>	Semi-products • Flat steel products and semi-products
<b>29.045</b>	Semiconducting • Semiconducting materials
<b>31.080</b>	Semiconductor • Semiconductor devices
<b>31.080.01</b>	Semiconductor • Semiconductor devices in general
<b>31.080.99</b>	Semiconductor • Other semiconductor devices
<b>67.240</b>	Sensory • Sensory analysis
<b>49.100</b>	Service • Ground service and maintenance equipment
<b>01.040.03</b>	Services • Services. Company organization, management and quality. Administration. Transport. Sociology. (Vocabularies)
<b>03</b>	Services • Services. Company organization, management and quality. Administration. Transport. Sociology
<b>03.080</b>	Services • Services
<b>03.080.01</b>	Services • Services in general
<b>03.080.10</b>	Services • Maintenance services. Facilities management
<b>03.080.20</b>	Services • Services for companies
<b>03.080.30</b>	Services • Services for consumers
<b>03.080.99</b>	Services • Other services
<b>03.240</b>	Services • Postal services
<b>11.020.10</b>	Services • Health care services in general
<b>33.030</b>	Services • Telecommunication services. Applications
<b>33.070</b>	Services • Mobile services
<b>33.070.01</b>	Services • Mobile services in general
<b>33.070.99</b>	Services • Other mobile services
<b>33.080</b>	Services • Integrated Services Digital Network (ISDN)
<b>35.240.69</b>	Services • IT applications in postal services
<b>35.100.50</b>	Session • Session layer
<b>29.160.40</b>	Sets • Generating sets
<b>35.040.10</b>	Sets • Coding of character sets
<b>13.060.30</b>	Sewage • Sewage water
<b>23.040.05</b>	Sewage • Pipelines and its parts for external sewage systems
<b>93.030</b>	Sewage • External sewage systems
<b>61.080</b>	Sewing • Sewing machines and other equipment for the clothing industry
<b>21.120</b>	Shafts • Shafts and couplings
<b>21.120.01</b>	Shafts • Shafts and couplings in general
<b>21.120.10</b>	Shafts • Shafts
<b>21.120.99</b>	Shafts • Other standards related to shafts and couplings
<b>91.060.40</b>	Shafts • Chimneys, shafts, ducts

<b>25.120.10</b>	Shears • Forging equipment. Presses. Shears
<b>83.140.10</b>	Sheets • Films and sheets
<b>83.140.20</b>	Sheets • Laminated sheets
<b>97.130.10</b>	Shelving • Shelving
<b>01.040.47</b>	Shipbuilding • Shipbuilding and marine structures (Vocabularies)
<b>47</b>	Shipbuilding • Shipbuilding and marine structures
<b>47.020</b>	Shipbuilding • Shipbuilding and marine structures in general
<b>47.020.01</b>	Shipbuilding • General standards related to shipbuilding and marine structures
<b>47.020.05</b>	Shipbuilding • Materials and components for shipbuilding
<b>47.020.99</b>	Shipbuilding • Other standards related to shipbuilding and marine structures
<b>47.020.60</b>	Ships • Electrical equipment of ships and of marine structures
<b>13.160</b>	Shock • Vibration and shock with respect to human beings
<b>13.260</b>	Shock • Protection against electric shock. Live working
<b>17.160</b>	Shock • Vibrations, shock and vibration measurements
<b>97.130</b>	Shop • Shop fittings
<b>97.130.01</b>	Shop • Shop fittings in general
<b>97.130.99</b>	Shop • Other shop fittings
<b>19.120</b>	Sieving • Particle size analysis. Sieving
<b>11.180.30</b>	Sighted • Aids for blind or partially sighted people
<b>33.040.30</b>	Signalling • Switching and signalling systems
<b>43.040.20</b>	Signalling • Lighting, signalling and warning devices
<b>01.080.10</b>	Signs • Public information symbols. Signs. Plates. Labels
<b>71.100.55</b>	Silicones • Silicones
<b>65.020.40</b>	Silviculture • Landscaping and silviculture
<b>19.120</b>	Size • Particle size analysis. Sieving
<b>59.140.20</b>	Skins • Raw skins, hides and pelts
<b>21.060.60</b>	Sleeves • Rings, bushes, sleeves, collars
<b>13.340.60</b>	Slipping • Protection against falling and slipping
<b>13.030.20</b>	Sludge • Liquid wastes. Sludge
<b>59.080.80</b>	Smart • Smart textiles
<b>01.040.03</b>	Sociology • Services. Company organization, management and quality. Administration. Transport. Sociology. (Vocabularies)
<b>03</b>	Sociology • Services. Company organization, management and quality. Administration. Transport. Sociology
<b>03.020</b>	Sociology • Sociology. Demography
<b>29.120.30</b>	Socket-outlets • Plugs, socket-outlets, couplers
<b>35.080</b>	Software • Software
<b>13.080</b>	Soil • Soil quality. Pedology
<b>13.080.01</b>	Soil • Soil quality and pedology in general
<b>13.080.99</b>	Soil • Other standards related to soil quality
<b>65.060.20</b>	Soil-working • Soil-working equipment
<b>13.080.05</b>	Soils • Examination of soils in general
<b>13.080.10</b>	Soils • Chemical characteristics of soils
<b>13.080.20</b>	Soils • Physical properties of soils
<b>13.080.30</b>	Soils • Biological properties of soils
<b>13.080.40</b>	Soils • Hydrological properties of soils
<b>27.160</b>	Solar • Solar energy engineering
<b>25.160</b>	Soldering • Welding, brazing and soldering
<b>25.160.01</b>	Soldering • Welding, brazing and soldering in general

<b>25.160.50</b>	Soldering • Brazing and soldering
<b>13.030.10</b>	Solid • Solid wastes
<b>27.060.10</b>	Solid • Liquid and solid fuel burners
<b>75.160.10</b>	Solid • Solid fuels
<b>97.100.30</b>	Solid • Solid fuel heaters
<b>87.060.30</b>	Solvents • Solvents
<b>91.100.60</b>	Sound • Thermal and sound insulating materials
<b>91.120.20</b>	Sound • Acoustics in building. Sound insulation
<b>13.040.40</b>	Source • Stationary source emissions
<b>27.190</b>	Sources • Biological sources and alternative sources of energy
<b>97.100.99</b>	Sources • Heaters using other sources of energy
<b>65.060.30</b>	Sowing • Sowing and planting equipment
<b>01.040.49</b>	Space • Aircraft and space vehicle engineering (Vocabularies)
<b>49</b>	Space • Aircraft and space vehicle engineering
<b>49.020</b>	Space • Aircraft and space vehicles in general
<b>49.140</b>	Space • Space systems and operations
<b>47.020.80</b>	Spaces • Accommodation spaces
<b>47.020.85</b>	Spaces • Cargo spaces
<b>67.220</b>	Spices • Spices and condiments. Food additives
<b>67.220.10</b>	Spices • Spices and condiments
<b>59.120.10</b>	Spinning • Spinning, twisting and texturing machines
<b>21.120.30</b>	Splines • Keys and keyways, splines
<b>55.060</b>	Spools • Spools. Bobbins
<b>01.040.97</b>	Sports • Domestic and commercial equipment. Entertainment. Sports (Vocabularies)
<b>97</b>	Sports • Domestic and commercial equipment. Entertainment. Sports
<b>97.220</b>	Sports • Sports equipment and facilities
<b>97.220.01</b>	Sports • Sports equipment and facilities in general
<b>97.220.10</b>	Sports • Sports facilities
<b>97.220.20</b>	Sports • Winter sports equipment
<b>97.220.30</b>	Sports • Indoor sports equipment
<b>97.220.40</b>	Sports • Outdoor and water sports equipment
<b>97.220.99</b>	Sports • Other sports equipment and facilities
<b>77.140.25</b>	Spring • Spring steels
<b>21.160</b>	Springs • Springs
<b>97.200.10</b>	Stage • Theatre, stage and studio equipment
<b>77.140.20</b>	Stainless • Stainless steels
<b>91.060.30</b>	Stairs • Ceilings. Floors. Stairs
<b>01</b>	Standardization • Generalities. Terminology. Standardization. Documentation
<b>01.040.01</b>	Standardization • Generalities. Terminology. Standardization. Documentation (Vocabularies)
<b>01.120</b>	Standardization • Standardization. General rules
<b>21.060.70</b>	Staples • Clamps and staples
<b>67.180</b>	Starch • Sugar. Sugar products. Starch
<b>67.180.20</b>	Starch • Starch and derived products
<b>13.040.40</b>	Stationary • Stationary source emissions
<b>23.020.10</b>	Stationary • Stationary containers and tanks
<b>27.100</b>	Stations • Power stations in general
<b>03.120.30</b>	Statistical • Application of statistical methods
<b>27.040</b>	Steam • Gas and steam turbines. Steam engines
<b>23.040.10</b>	Steel • Iron and steel pipes

<b>77.140</b>	Steel • Iron and steel products
<b>77.140.01</b>	Steel • Iron and steel products in general
<b>77.140.50</b>	Steel • Flat steel products and semi-products
<b>77.140.60</b>	Steel • Steel bars and rods
<b>77.140.65</b>	Steel • Steel wire, wire ropes and link chains
<b>77.140.70</b>	Steel • Steel profiles
<b>77.140.75</b>	Steel • Steel pipes and tubes for specific use
<b>77.140.80</b>	Steel • Iron and steel castings
<b>77.140.85</b>	Steel • Iron and steel forgings
<b>77.140.99</b>	Steel • Other iron and steel products
<b>91.080.13</b>	Steel • Steel structures
<b>49.025.10</b>	Steels • Steels
<b>77.080.20</b>	Steels • Steels
<b>77.140.10</b>	Steels • Heat-treatable steels
<b>77.140.15</b>	Steels • Steels for reinforcement of concrete
<b>77.140.20</b>	Steels • Stainless steels
<b>77.140.25</b>	Steels • Spring steels
<b>77.140.30</b>	Steels • Steels for pressure purposes
<b>77.140.35</b>	Steels • Tool steels
<b>77.140.40</b>	Steels • Steels with special magnetic properties
<b>77.140.45</b>	Steels • Non-alloyed steels
<b>11.080</b>	Sterilization • Sterilization and disinfection
<b>11.080.01</b>	Sterilization • Sterilization and disinfection in general
<b>11.080.99</b>	Sterilization • Other standards related to sterilization and disinfection
<b>11.080.30</b>	Sterilized • Sterilized packaging
<b>11.080.10</b>	Sterilizing • Sterilizing equipment
<b>45.060</b>	Stock • Railway rolling stock
<b>45.060.01</b>	Stock • Railway rolling stock in general
<b>45.060.10</b>	Stock • Tractive stock
<b>45.060.20</b>	Stock • Trailing stock
<b>23.020</b>	Storage • Fluid storage devices
<b>23.020.01</b>	Storage • Fluid storage devices in general
<b>23.020.99</b>	Storage • Other fluid storage devices
<b>35.220</b>	Storage • Data storage devices
<b>35.220.01</b>	Storage • Data storage devices in general
<b>35.220.20</b>	Storage • Magnetic storage devices in general
<b>35.220.30</b>	Storage • Optical storage devices
<b>35.220.99</b>	Storage • Other data storage devices
<b>53.080</b>	Storage • Storage equipment
<b>65.040.20</b>	Storage • Buildings and installations for processing and storage of agricultural produce
<b>65.060.25</b>	Storage • Equipment for storage, preparation and distribution of fertilizers
<b>55.220</b>	Storing • Storing. Warehousing
<b>93.080.40</b>	Street • Street lighting and related equipment
<b>47.020.10</b>	Structure • Hulls and their structure elements
<b>49.045</b>	Structure • Structure and structure elements
<b>01.040.47</b>	Structures • Shipbuilding and marine structures (Vocabularies)
<b>31.240</b>	Structures • Mechanical structures for electronic equipment
<b>47</b>	Structures • Shipbuilding and marine structures
<b>47.020</b>	Structures • Shipbuilding and marine structures in general

<b>47.020.01</b>	Structures • General standards related to shipbuilding and marine structures
<b>47.020.60</b>	Structures • Electrical equipment of ships and of marine structures
<b>47.020.99</b>	Structures • Other standards related to shipbuilding and marine structures
<b>65.040</b>	Structures • Farm buildings, structures and installations
<b>91.080</b>	Structures • Structures of buildings
<b>91.080.01</b>	Structures • Structures of buildings in general
<b>91.080.10</b>	Structures • Metal structures
<b>91.080.13</b>	Structures • Steel structures
<b>91.080.17</b>	Structures • Aluminium structures
<b>91.080.20</b>	Structures • Timber structures
<b>91.080.40</b>	Structures • Concrete structures
<b>91.080.99</b>	Structures • Other structures
<b>91.090</b>	Structures • External structures
<b>97.200.10</b>	Studio • Theatre, stage and studio equipment
<b>21.060.10</b>	Studs • Bolts, screws, studs
<b>49.030.20</b>	Studs • Bolts, screws, studs
<b>65.120</b>	Stuffs • Animal feeding stuffs
<b>13.060.50</b>	Substances • Examination of water for chemical substances
<b>29.240.10</b>	Substations • Substations. Surge arresters
<b>67.140.20</b>	Substitutes • Coffee and coffee substitutes
<b>67.180</b>	Sugar • Sugar. Sugar products. Starch
<b>67.180.10</b>	Sugar • Sugar and sugar products
<b>29.050</b>	Superconductivity • Superconductivity and conducting materials
<b>97.130.30</b>	Supermarket • Trolleys for supermarket purposes
<b>29.200</b>	Supply • Rectifiers. Converters. Stabilized power supply
<b>91.140.40</b>	Supply • Gas supply systems
<b>91.140.50</b>	Supply • Electricity supply systems
<b>91.140.60</b>	Supply • Water supply systems
<b>25.220</b>	Surface • Surface treatment and coating
<b>25.220.01</b>	Surface • Surface treatment and coating in general
<b>25.220.10</b>	Surface • Surface preparation
<b>25.220.20</b>	Surface • Surface treatment
<b>71.100.40</b>	Surface • Surface active agents
<b>17.040.20</b>	Surfaces • Properties of surfaces
<b>29.240.10</b>	Surge • Substations. Surge arresters
<b>11.040.40</b>	Surgery • Implants for surgery, prosthetics and orthotics
<b>11.040.30</b>	Surgical • Surgical instruments and materials
<b>43.040.50</b>	Suspensions • Transmissions, suspensions
<b>13.020.20</b>	Sustainability • Environmental economics. Sustainability
<b>29.120.40</b>	Switches • Switches
<b>31.220.20</b>	Switches • Switches
<b>29.130</b>	Switchgear • Switchgear and controlgear
<b>29.130.01</b>	Switchgear • Switchgear and controlgear in general
<b>29.130.10</b>	Switchgear • High voltage switchgear and controlgear
<b>29.130.20</b>	Switchgear • Low voltage switchgear and controlgear
<b>29.130.99</b>	Switchgear • Other switchgear and controlgear
<b>33.040.30</b>	Switching • Switching and signalling systems
<b>01.075</b>	Symbols • Character symbols
<b>01.080</b>	Symbols • Graphical symbols

<b>01.080.01</b>	Symbols • Graphical symbols in general
<b>01.080.10</b>	Symbols • Public information symbols. Signs. Plates. Labels
<b>01.080.20</b>	Symbols • Graphical symbols for use on specific equipment
<b>01.080.30</b>	Symbols • Graphical symbols for use on mechanical engineering and construction drawings, diagrams, plans, maps and in relevant technical product documentation
<b>01.080.40</b>	Symbols • Graphical symbols for use on electrical and electronics engineering drawings, diagrams, charts and in relevant technical product documentation
<b>01.080.50</b>	Symbols • Graphical symbols for use on information technology and telecommunications technical drawings and in relevant technical product documentation
<b>01.080.99</b>	Symbols • Other graphical symbols
<b>33.120.20</b>	Symmetrical • Wires and symmetrical cables
<b>11.040.25</b>	Syringes • Syringes, needles and catheters
<b>23.100.99</b>	System • Other fluid power system components
<b>33.070.50</b>	System • Global System for Mobile Communication (GSM)

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<b>97.040.20</b>	Tables • Cooking ranges, working tables, ovens and similar appliances
<b>23.020.10</b>	Tanks • Stationary containers and tanks
<b>31.060.40</b>	Tantalum • Tantalum electrolytic capacitors
<b>35.220.10</b>	Tapes • Paper cards and tapes
<b>35.220.22</b>	Tapes • Magnetic tapes
<b>35.220.23</b>	Tapes • Cassettes and cartridges for magnetic tapes
<b>25.100.50</b>	Taps • Taps and threading dies
<b>67.140</b>	Tea • Tea. Coffee. Cocoa
<b>67.140.10</b>	Tea • Tea
<b>01.080.30</b>	Technical • Graphical symbols for use on mechanical engineering and construction drawings, diagrams, plans, maps and in relevant technical product documentation
<b>01.080.40</b>	Technical • Graphical symbols for use on electrical and electronics engineering drawings, diagrams, charts and in relevant technical product documentation
<b>01.080.50</b>	Technical • Graphical symbols for use on information technology and telecommunications technical drawings and in relevant technical product documentation
<b>01.100</b>	Technical • Technical drawings
<b>01.100.01</b>	Technical • Technical drawings in general
<b>01.100.27</b>	Technical • Technical drawings for telecommunications and information technology fields
<b>01.100.99</b>	Technical • Other standards related to technical drawings
<b>01.110</b>	Technical • Technical product documentation
<b>91.010.30</b>	Technical • Technical aspects
<b>33.030</b>	Telecommunication • Telecommunication services. Applications
<b>33.040</b>	Telecommunication • Telecommunication systems
<b>33.040.01</b>	Telecommunication • Telecommunication systems in general
<b>33.040.99</b>	Telecommunication • Other equipment for telecommunication systems
<b>33.050</b>	Telecommunication • Telecommunication terminal equipment
<b>33.050.01</b>	Telecommunication • Telecommunication terminal equipment in general
<b>33.050.99</b>	Telecommunication • Other telecommunication terminal equipment



<b>01.040.33</b>	Telecommunications • Telecommunications. Audio and video engineering (Vocabularies)
<b>01.080.50</b>	Telecommunications • Graphical symbols for use on information technology and telecommunications technical drawings and in relevant technical product documentation
<b>01.100.27</b>	Telecommunications • Technical drawings for telecommunications and information technology fields
<b>31.220</b>	Telecommunications • Electromechanical components for electronic and telecommunications equipment
<b>33</b>	Telecommunications • Telecommunications. Audio and video engineering
<b>33.020</b>	Telecommunications • Telecommunications in general
<b>33.040.60</b>	Telecommunications • Powerline telecommunications
<b>33.070.30</b>	Telecommunications • Digital Enhanced Cordless Telecommunications (DECT)
<b>33.120</b>	Telecommunications • Components and accessories for telecommunications equipment
<b>33.140</b>	Telecommunications • Special measuring equipment for use in telecommunications
<b>33.160.60</b>	Teleconferencing • Multimedia systems and teleconferencing equipment
<b>33.200</b>	Telecontrol • Telecontrol. Telemetry
<b>33.050.30</b>	Telefax • Equipment for telex, teletext, telefax
<b>33.200</b>	Telemetry • Telecontrol. Telemetry
<b>33.040.35</b>	Telephone • Telephone networks
<b>33.050.10</b>	Telephone • Telephone equipment
<b>33.050.30</b>	Teletext • Equipment for telex, teletext, telefax
<b>33.160.25</b>	Television • Television receivers
<b>33.170</b>	Television • Television and radio broadcasting
<b>33.050.30</b>	Telex • Equipment for telex, teletext, telefax
<b>17.200</b>	Temperature • Thermodynamics and temperature measurements
<b>17.200.20</b>	Temperature-measuring • Temperature-measuring instruments
<b>33.050</b>	Terminal • Telecommunication terminal equipment
<b>33.050.01</b>	Terminal • Telecommunication terminal equipment in general
<b>33.050.99</b>	Terminal • Other telecommunication terminal equipment
<b>35.180</b>	Terminal • IT terminal and other peripheral equipment
<b>01</b>	Terminology • Generalities. Terminology. Standardization. Documentation
<b>01.020</b>	Terminology • Terminology (principles and coordination)
<b>01.040.01</b>	Terminology • Generalities. Terminology. Standardization. Documentation (Vocabularies)
<b>91.100.25</b>	Terracotta • Terracotta building products
<b>33.070.10</b>	Terrestrial • Terrestrial Trunked Radio (TETRA)
<b>01.040.19</b>	Testing • Testing (Vocabularies)
<b>19</b>	Testing • Testing
<b>19.040</b>	Testing • Environmental testing
<b>19.060</b>	Testing • Mechanical testing
<b>19.080</b>	Testing • Electrical and electronic testing
<b>19.100</b>	Testing • Non-destructive testing
<b>77.040</b>	Testing • Testing of metals
<b>77.040.01</b>	Testing • Testing of metals in general
<b>77.040.10</b>	Testing • Mechanical testing of metals
<b>77.040.20</b>	Testing • Non-destructive testing of metals
<b>77.040.99</b>	Testing • Other methods of testing of metals
<b>33.070.10</b>	Tetra • Terrestrial Trunked Radio (TETRA)
<b>01.040.59</b>	Textile • Textile and leather technology (Vocabularies)
<b>59</b>	Textile • Textile and leather technology
<b>59.020</b>	Textile • Processes of the textile industry
<b>59.040</b>	Textile • Textile auxiliary materials
<b>59.060</b>	Textile • Textile fibres

<b>59.060.01</b>	Textile • Textile fibres in general
<b>59.060.99</b>	Textile • Other textile fibres
<b>59.080</b>	Textile • Products of the textile industry
<b>59.080.30</b>	Textile • Textile fabrics
<b>59.080.99</b>	Textile • Other products of the textile industry
<b>59.100.10</b>	Textile • Textile glass materials
<b>59.120</b>	Textile • Textile machinery
<b>59.120.01</b>	Textile • Textile machinery in general
<b>59.120.99</b>	Textile • Other textile machinery
<b>49.025.60</b>	Textiles • Textiles
<b>59.080.01</b>	Textiles • Textiles in general
<b>59.080.80</b>	Textiles • Smart textiles
<b>97.160</b>	Textiles • Home textiles. Linen
<b>59.120.10</b>	Texturing • Spinning, twisting and texturing machines
<b>97.200.10</b>	Theatre • Theatre, stage and studio equipment
<b>11.040.60</b>	Therapy • Therapy equipment
<b>27.220</b>	Thermal • Heat recovery. Thermal insulation
<b>91.100.60</b>	Thermal • Thermal and sound insulating materials
<b>91.120.10</b>	Thermal • Thermal insulation of buildings
<b>31.040.30</b>	Thermistors • Thermistors
<b>17.200</b>	Thermodynamics • Thermodynamics and temperature measurements
<b>17.200.01</b>	Thermodynamics • Thermodynamics in general
<b>17.200.99</b>	Thermodynamics • Other standards related to thermodynamics
<b>83.080.20</b>	Thermoplastic • Thermoplastic materials
<b>83.080.10</b>	Thermosetting • Thermosetting materials
<b>25.100.50</b>	Threading • Taps and threading dies
<b>21.040</b>	Threads • Screw threads
<b>21.040.01</b>	Threads • Screw threads in general
<b>21.040.10</b>	Threads • Metric screw threads
<b>21.040.20</b>	Threads • Inch screw threads
<b>21.040.30</b>	Threads • Special screw threads
<b>49.030.10</b>	Threads • Screw threads
<b>31.080.20</b>	Thyristors • Thyristors
<b>91.100.23</b>	Tiles • Ceramic tiles
<b>79.040</b>	Timber • Wood, sawlogs and sawn timber
<b>79.080</b>	Timber • Semi-manufactures of timber
<b>91.080.20</b>	Timber • Timber structures
<b>17.080</b>	Time • Measurement of time, velocity, acceleration, angular velocity
<b>39.040.99</b>	Time-measuring • Other time-measuring instruments
<b>77.120.60</b>	Tin • Lead, zinc, tin and their alloys
<b>77.150.60</b>	Tin • Lead, zinc and tin products
<b>55.120</b>	Tins • Cans. Tins. Tubes
<b>85.080.20</b>	Tissue • Tissue paper
<b>49.025.30</b>	Titanium • Titanium
<b>77.120.50</b>	Titanium • Titanium and titanium alloys
<b>77.150.50</b>	Titanium • Titanium products
<b>65.160</b>	Tobacco • Tobacco, tobacco products and related equipment
<b>71.100.70</b>	Toiletries • Cosmetics. Toiletries
<b>25.060</b>	Tool • Machine tool systems

<b>25.060.01</b>	Tool • Machine tool systems in general
<b>25.060.99</b>	Tool • Other machine tool systems
<b>77.140.35</b>	Tool • Tool steels
<b>25.060.20</b>	Tool-workpiece • Dividing and tool-workpiece holding devices
<b>25.080</b>	Tools • Machine tools
<b>25.080.01</b>	Tools • Machine tools in general
<b>25.080.99</b>	Tools • Other machine tools
<b>25.100</b>	Tools • Cutting tools
<b>25.100.01</b>	Tools • Cutting tools in general
<b>25.100.10</b>	Tools • Turning tools
<b>25.100.20</b>	Tools • Milling tools
<b>25.100.25</b>	Tools • Tools for planing and broaching machines
<b>25.100.99</b>	Tools • Other cutting tools
<b>25.140</b>	Tools • Hand-held tools
<b>25.140.01</b>	Tools • Hand-held tools in general
<b>25.140.10</b>	Tools • Pneumatic tools
<b>25.140.20</b>	Tools • Electric tools
<b>25.140.30</b>	Tools • Hand-operated tools
<b>25.140.99</b>	Tools • Other hand-held tools
<b>79.120.20</b>	Tools • Woodworking tools
<b>03.200</b>	Tourism • Leisure. Tourism
<b>03.200.01</b>	Tourism • Leisure and tourism in general
<b>03.200.10</b>	Tourism • Adventure tourism
<b>03.200.99</b>	Tourism • Other standards relating to leisure and tourism
<b>91.020</b>	Town • Physical planning. Town planning
<b>97.200.50</b>	Toys • Toys
<b>29.280</b>	Traction • Electric traction equipment
<b>45.060.10</b>	Tractive • Tractive stock
<b>65.060.10</b>	Tractors • Agricultural tractors and trailed vehicles
<b>03.100.20</b>	Trade • Trade. Commercial function. Marketing
<b>35.240.63</b>	Trade • IT applications in trade
<b>65.060.10</b>	Trailed • Agricultural tractors and trailed vehicles
<b>43.080.10</b>	Trailers • Trucks and trailers
<b>43.100</b>	Trailers • Passenger cars. Caravans and light trailers
<b>45.060.20</b>	Trailing • Trailing stock
<b>45.140</b>	Tram • Metro, tram and light rail equipment
<b>01.040.27</b>	Transfer • Energy and heat transfer engineering (Vocabularies)
<b>27</b>	Transfer • Energy and heat transfer engineering
<b>27.010</b>	Transfer • Energy and heat transfer engineering in general
<b>29.180</b>	Transformers • Transformers. Reactors
<b>11.040.20</b>	Transfusion • Transfusion, infusion and injection equipment
<b>31.080.30</b>	Transistors • Transistors
<b>01.140.10</b>	Transliteration • Writing and transliteration
<b>29.240</b>	Transmission • Power transmission and distribution networks
<b>29.240.01</b>	Transmission • Power transmission and distribution networks in general
<b>29.240.20</b>	Transmission • Power transmission and distribution lines
<b>29.240.99</b>	Transmission • Other equipment related to power transmission and distribution networks
<b>33.040.20</b>	Transmission • Transmission systems
<b>21.220</b>	Transmissions • Flexible drives and transmissions

<b>21.220.01</b>	Transmissions • Flexible drives and transmissions in general
<b>21.220.99</b>	Transmissions • Other flexible drives and transmissions
<b>43.040.50</b>	Transmissions • Transmissions, suspensions
<b>33.060.20</b>	Transmitting • Receiving and transmitting equipment
<b>01.040.03</b>	Transport • Services. Company organization, management and quality. Administration. Transport. Sociology. (Vocabularies)
<b>03</b>	Transport • Services. Company organization, management and quality. Administration. Transport. Sociology
<b>03.220</b>	Transport • Transport
<b>03.220.01</b>	Transport • Transport in general
<b>03.220.20</b>	Transport • Road transport
<b>03.220.30</b>	Transport • Transport by rail
<b>03.220.40</b>	Transport • Transport by water
<b>03.220.50</b>	Transport • Air transport
<b>03.220.99</b>	Transport • Other forms of transport
<b>13.040.50</b>	Transport • Transport exhaust emissions
<b>17.140.30</b>	Transport • Noise emitted by means of transport
<b>35.100.40</b>	Transport • Transport layer
<b>35.240.60</b>	Transport • IT applications in transport
<b>53.040.30</b>	Transport • Pneumatic transport and its components
<b>55.180.40</b>	Transport • Complete, filled transport packages
<b>13.030.40</b>	Treatment • Installations and equipment for waste disposal and treatment
<b>25.200</b>	Treatment • Heat treatment
<b>25.220</b>	Treatment • Surface treatment and coating
<b>25.220.01</b>	Treatment • Surface treatment and coating in general
<b>25.220.20</b>	Treatment • Surface treatment
<b>25.220.99</b>	Treatments • Other treatments and coatings
<b>97.130.30</b>	Trolleys • Trolleys for supermarket purposes
<b>43.080.10</b>	Trucks • Trucks and trailers
<b>53.060</b>	Trucks • Industrial trucks
<b>33.070.10</b>	Trunked • Terrestrial Trunked Radio (TETRA)
<b>31.100</b>	Tubes • Electronic tubes
<b>55.120</b>	Tubes • Cans. Tins. Tubes
<b>77.140.75</b>	Tubes • Steel pipes and tubes for specific use
<b>73.100.10</b>	Tubing • Tunnelling and tubing equipment
<b>93.060</b>	Tunnel • Tunnel construction
<b>73.100.10</b>	Tunnelling • Tunnelling and tubing equipment
<b>27.180</b>	Turbine • Wind turbine energy systems
<b>27.040</b>	Turbines • Gas and steam turbines. Steam engines
<b>25.100.10</b>	Turning • Turning tools
<b>59.120.10</b>	Twisting • Spinning, twisting and texturing machines
<b>83.160</b>	Tyres • Tyres
<b>83.160.01</b>	Tyres • Tyres in general
<b>83.160.10</b>	Tyres • Road vehicle tyres
<b>83.160.20</b>	Tyres • Aircraft tyres
<b>83.160.30</b>	Tyres • Tyres for agricultural machinery
<b>83.160.99</b>	Tyres • Other tyres

# U

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<b>93.020</b>	Underground • Earthworks. Excavations. Foundation construction. Underground works
<b>01.060</b>	Units • Quantities and units
<b>25.060.10</b>	Units • Modular units and other devices
<b>11.100.30</b>	Urine • Analysis of blood and urine

# V

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<b>23.160</b>	Vacuum • Vacuum technology
<b>23.060</b>	Valves • Valves
<b>23.060.01</b>	Valves • Valves in general
<b>23.060.10</b>	Valves • Globe valves
<b>23.060.20</b>	Valves • Ball and plug valves
<b>23.060.30</b>	Valves • Gate valves
<b>23.060.50</b>	Valves • Check valves
<b>23.060.99</b>	Valves • Other valves
<b>29.035.60</b>	Varnished • Varnished fabrics
<b>87.040</b>	Varnishes • Paints and varnishes
<b>67.200.10</b>	Vegetable • Animal and vegetable fats and oils
<b>67.080</b>	Vegetables • Fruits. Vegetables
<b>67.080.01</b>	Vegetables • Fruits, vegetables and derived products in general
<b>67.080.20</b>	Vegetables • Vegetables and derived products
<b>01.040.43</b>	Vehicle • Road vehicle engineering (Vocabularies)
<b>01.040.49</b>	Vehicle • Aircraft and space vehicle engineering (Vocabularies)
<b>43.040</b>	Vehicle • Road vehicle systems
<b>43.040.01</b>	Vehicle • Road vehicle systems in general
<b>43.040.99</b>	Vehicle • Other road vehicle systems
<b>49</b>	Vehicle • Aircraft and space vehicle engineering
<b>83.160.10</b>	Vehicle • Road vehicle tyres
<b>23.020.20</b>	Vehicles • Vessels and containers mounted on vehicles
<b>43</b>	Vehicles • Road vehicles engineering
<b>43.020</b>	Vehicles • Road vehicles in general
<b>43.060</b>	Vehicles • Internal combustion engines for road vehicles
<b>43.060.01</b>	Vehicles • Internal combustion engines for road vehicles in general
<b>43.080</b>	Vehicles • Commercial vehicles
<b>43.080.01</b>	Vehicles • Commercial vehicles in general
<b>43.080.99</b>	Vehicles • Other commercial vehicles
<b>43.120</b>	Vehicles • Electric road vehicles
<b>43.160</b>	Vehicles • Special purpose vehicles

<b>49.020</b>	Vehicles • Aircraft and space vehicles in general
<b>65.060.10</b>	Vehicles • Agricultural tractors and trailed vehicles
<b>17.080</b>	Velocity • Measurement of time, velocity, acceleration, angular velocity
<b>55.230</b>	Vending • Distribution and vending machines
<b>47.020.90</b>	Ventilation • Marine ventilation, air conditioning and heating systems
<b>73.100.20</b>	Ventilation • Ventilation, air-conditioning and illumination equipment
<b>91.140.30</b>	Ventilation • Ventilation and air-conditioning systems
<b>23.120</b>	Ventilators • Ventilators. Fans. Air-conditioners
<b>23.020.20</b>	Vessels • Vessels and containers mounted on vehicles
<b>23.020.30</b>	Vessels • Pressure vessels
<b>23.020.40</b>	Vessels • Cryogenic vessels
<b>47.040</b>	Vessels • Seagoing vessels
<b>47.060</b>	Vessels • Inland navigation vessels
<b>71.120.10</b>	Vessels • Reaction vessels and their components
<b>11.220</b>	Veterinary • Veterinary medicine
<b>13.160</b>	Vibration • Vibration and shock with respect to human beings
<b>17.160</b>	Vibration • Vibrations, shock and vibration measurements
<b>91.120.25</b>	Vibration • Seismic and vibration protection
<b>17.160</b>	Vibrations • Vibrations, shock and vibration measurements
<b>01.040.33</b>	Video • Telecommunications. Audio and video engineering (Vocabularies)
<b>33</b>	Video • Telecommunications. Audio and video engineering
<b>33.160</b>	Video • Audio, video and audiovisual engineering
<b>33.160.01</b>	Video • Audio, video and audiovisual systems in general
<b>33.160.40</b>	Video • Video systems
<b>33.160.99</b>	Video • Other audio, video and audiovisual equipment
<b>35.040.40</b>	Video • Coding of audio, video, multimedia and hypermedia information
<b>17.060</b>	Viscosity • Measurement of volume, mass, density, viscosity
<b>65.060.60</b>	Viticultural • Viticultural and wine-making equipment
<b>11.100.10</b>	Vitro • In vitro diagnostic test systems
<b>01.040</b>	Vocabularies • Vocabularies
<b>01.040.01</b>	Vocabularies • Generalities. Terminology. Standardization. Documentation (Vocabularies)
<b>01.040.03</b>	Vocabularies • Services. Company organization, management and quality. Administration. Transport. Sociology. (Vocabularies)
<b>01.040.07</b>	Vocabularies • Natural and applied sciences (Vocabularies)
<b>01.040.11</b>	Vocabularies • Health care technology (Vocabularies)
<b>01.040.13</b>	Vocabularies • Environment. Health protection. Safety (Vocabularies)
<b>01.040.17</b>	Vocabularies • Metrology and measurement. Physical phenomena (Vocabularies)
<b>01.040.19</b>	Vocabularies • Testing (Vocabularies)
<b>01.040.21</b>	Vocabularies • Mechanical systems and components for general use (Vocabularies)
<b>01.040.23</b>	Vocabularies • Fluid systems and components for general use (Vocabularies)
<b>01.040.25</b>	Vocabularies • Manufacturing engineering (Vocabularies)
<b>01.040.27</b>	Vocabularies • Energy and heat transfer engineering (Vocabularies)
<b>01.040.29</b>	Vocabularies • Electrical engineering (Vocabularies)
<b>01.040.31</b>	Vocabularies • Electronics (Vocabularies)
<b>01.040.33</b>	Vocabularies • Telecommunications. Audio and video engineering (Vocabularies)
<b>01.040.35</b>	Vocabularies • Information technology (Vocabularies)
<b>01.040.37</b>	Vocabularies • Image technology (Vocabularies)
<b>01.040.39</b>	Vocabularies • Precision mechanics. Jewellery (Vocabularies)
<b>01.040.43</b>	Vocabularies • Road vehicle engineering (Vocabularies)

<b>01.040.45</b>	Vocabularies • Railway engineering (Vocabularies)
<b>01.040.47</b>	Vocabularies • Shipbuilding and marine structures (Vocabularies)
<b>01.040.49</b>	Vocabularies • Aircraft and space vehicle engineering (Vocabularies)
<b>01.040.53</b>	Vocabularies • Materials handling equipment (Vocabularies)
<b>01.040.55</b>	Vocabularies • Packaging and distribution of goods (Vocabularies)
<b>01.040.59</b>	Vocabularies • Textile and leather technology (Vocabularies)
<b>01.040.61</b>	Vocabularies • Clothing industry (Vocabularies)
<b>01.040.65</b>	Vocabularies • Agriculture (Vocabularies)
<b>01.040.67</b>	Vocabularies • Food technology (Vocabularies)
<b>01.040.71</b>	Vocabularies • Chemical technology (Vocabularies)
<b>01.040.73</b>	Vocabularies • Mining and minerals (Vocabularies)
<b>01.040.75</b>	Vocabularies • Petroleum and related technologies (Vocabularies)
<b>01.040.77</b>	Vocabularies • Metallurgy (Vocabularies)
<b>01.040.79</b>	Vocabularies • Wood technology (Vocabularies)
<b>01.040.81</b>	Vocabularies • Glass and ceramics industries (Vocabularies)
<b>01.040.83</b>	Vocabularies • Rubber and plastics industries (Vocabularies)
<b>01.040.85</b>	Vocabularies • Paper technology (Vocabularies)
<b>01.040.87</b>	Vocabularies • Paint and colour industries (Vocabularies)
<b>01.040.91</b>	Vocabularies • Construction materials and building (Vocabularies)
<b>01.040.93</b>	Vocabularies • Civil engineering (Vocabularies)
<b>01.040.95</b>	Vocabularies • Military Affairs. Military engineering. Weapons (Vocabularies)
<b>01.040.97</b>	Vocabularies • Domestic and commercial equipment. Entertainment. Sports (Vocabularies)
<b>29.130.10</b>	Voltage • High voltage switchgear and controlgear
<b>29.130.20</b>	Voltage • Low voltage switchgear and controlgear
<b>17.060</b>	Volume • Measurement of volume, mass, density, viscosity
<b>75.180.30</b>	Volumetric • Volumetric equipment and measurements

# W

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<b>91.060.10</b>	Walls • Walls. Partitions. Façades
<b>71.040.20</b>	Ware • Laboratory ware and related apparatus
<b>55.220</b>	Warehousing • Storing. Warehousing
<b>13.320</b>	Warning • Alarm and warning systems
<b>43.040.20</b>	Warning • Lighting, signalling and warning devices
<b>21.060.30</b>	Washers • Washers, locking elements
<b>49.030.50</b>	Washers • Washers and other locking elements
<b>13.030.40</b>	Waste • Installations and equipment for waste disposal and treatment
<b>13.030</b>	Wastes • Wastes
<b>13.030.01</b>	Wastes • Wastes in general
<b>13.030.10</b>	Wastes • Solid wastes
<b>13.030.20</b>	Wastes • Liquid wastes. Sludge
<b>13.030.30</b>	Wastes • Special wastes
<b>13.030.99</b>	Wastes • Other standards related to wastes
<b>39.040.10</b>	Watches • Watches
<b>03.220.40</b>	Water • Transport by water

<b>07.100.20</b>	Water • Microbiology of water
<b>13.060</b>	Water • Water quality
<b>13.060.01</b>	Water • Water quality in general
<b>13.060.10</b>	Water • Water of natural resources
<b>13.060.20</b>	Water • Drinking water
<b>13.060.25</b>	Water • Water for industrial use
<b>13.060.30</b>	Water • Sewage water
<b>13.060.45</b>	Water • Examination of water in general
<b>13.060.50</b>	Water • Examination of water for chemical substances
<b>13.060.60</b>	Water • Examination of physical properties of water
<b>13.060.70</b>	Water • Examination of biological properties of water
<b>13.060.99</b>	Water • Other standards related to water quality
<b>23.040.03</b>	Water • Pipelines and its parts for external water conveyance systems
<b>71.100.80</b>	Water • Chemicals for purification of water
<b>91.140.60</b>	Water • Water supply systems
<b>91.140.65</b>	Water • Water heating equipment
<b>93.025</b>	Water • External water conveyance systems
<b>97.220.40</b>	Water • Outdoor and water sports equipment
<b>91.120.30</b>	Waterproofing • Waterproofing
<b>93.140</b>	Waterways • Construction of waterways, ports and dykes
<b>33.120.10</b>	Waveguides • Coaxial cables. Waveguides
<b>75.140</b>	Waxes • Waxes, bituminous materials and other petroleum products
<b>01.040.95</b>	Weapons • Military Affairs. Military engineering. Weapons (Vocabularies)
<b>95</b>	Weapons • Military affairs. Military engineering. Weapons
<b>95.060</b>	Weapons • Weapons
<b>59.120.30</b>	Weaving • Looms. Weaving machines
<b>17.100</b>	Weight • Measurement of force, weight and pressure
<b>25.160.40</b>	Welded • Welded joints and welds
<b>25.160</b>	Welding • Welding, brazing and soldering
<b>25.160.01</b>	Welding • Welding, brazing and soldering in general
<b>25.160.10</b>	Welding • Welding processes
<b>25.160.20</b>	Welding • Welding consumables
<b>25.160.30</b>	Welding • Welding equipment
<b>25.160.40</b>	Welds • Welded joints and welds
<b>27.180</b>	Wind • Wind turbine energy systems
<b>59.120.20</b>	Winding • Winding machines and equipment
<b>91.060.50</b>	Windows • Doors and windows
<b>65.060.60</b>	Wine-making • Viticultural and wine-making equipment
<b>97.220.20</b>	Winter • Winter sports equipment
<b>43.040.65</b>	Wiper • Glazing and wiper systems
<b>77.140.65</b>	Wire • Steel wire, wire ropes and link chains
<b>29.060</b>	Wires • Electrical wires and cables
<b>29.060.01</b>	Wires • Electrical wires and cables in general
<b>29.060.10</b>	Wires • Wires
<b>33.120.20</b>	Wires • Wires and symmetrical cables
<b>01.040.79</b>	Wood • Wood technology (Vocabularies)
<b>79</b>	Wood • Wood technology
<b>79.020</b>	Wood • Wood technology processes
<b>79.040</b>	Wood • Wood, sawlogs and sawn timber



<b>79.060</b>	Wood-based • Wood-based panels
<b>79.060.01</b>	Wood-based • Wood-based panels in general
<b>79.060.99</b>	Wood-based • Other wood-based panels
<b>71.100.50</b>	Wood-protecting • Wood-protecting chemicals
<b>79.120</b>	Woodworking • Woodworking equipment
<b>79.120.01</b>	Woodworking • Woodworking equipment in general
<b>79.120.10</b>	Woodworking • Woodworking machines
<b>79.120.20</b>	Woodworking • Woodworking tools
<b>79.120.99</b>	Woodworking • Other woodworking equipment
<b>35.240.20</b>	Work • IT applications in office work
<b>13.040.30</b>	Workplace • Workplace atmospheres
<b>93.020</b>	Works • Earthworks. Excavations. Foundation construction. Underground works
<b>01.140.10</b>	Writing • Writing and transliteration

# Y

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<b>59.080.20</b>	Yarns • Yarns
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# Z

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<b>77.120.60</b>	Zinc • Lead, zinc, tin and their alloys
<b>77.150.60</b>	Zinc • Lead, zinc and tin products
<b>07.080</b>	Zoology • Biology. Botany. Zoology

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ISO Central Secretariat  
Chemin de Blandonnet 8  
Case Postale 401  
CH – 1214 Vernier, Geneva  
Switzerland

**iso.org**

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