

**STRUCTURE
OF THE
CLASSIFICATION KEY**

**Operative from
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UNITS

Each edition of the Classification Key is issued in 25 units, comprising the following divisions:

<i>Unit</i>	<i>Division</i>	<i>Unit</i>	<i>Division</i>
1 ...	... A1-3	14 ...	... C6-7
2 ...	... A4	15 ...	... D1-2
3 ...	... A5-6	16 ...	... E1-2
4 ...	... B1-2	17 ...	... F1
5 ...	... B3	18 ...	... F2
6 B4-5	19 F3-4
7 B6	20 G1
8 B7	21 G2-3
9 B8	22 G4-6
10 C1	23 H1
11 C2	24 H2
12 C3	25 H3-5
13 C4-5		

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SECTION A. Human necessities.

Division A1.

Agriculture; Animal husbandry.

- A—Fishing &c.
- B—Soil working &c.
- D—Manuring, sowing &c.
- E—Treating plants &c.
- F—Harvesting &c.
- M—Animal husbandry.
- P—Coupling agricultural implements to tractors.
- X—Seaweed, marking animals &c.

Division A2.

Food; Tobacco.

- A—Bakery apparatus &c.
- B—Food preparations.
- C—Cigarettes, tobacco &c.
- D—Preserving food, animal and vegetable substances &c.
- M—Smokers' accessories.
- Q—Treating grain, seeds &c.
- U—Preparing meat &c.

Division A3.

Apparel; Footwear; Jewellery.

- B—Boots and shoes.
- H—Dress fastenings, jewellery &c.
- V—Wearing apparel &c.

Division A4.

Furniture; Household articles.

- A—Portable vessels, table articles &c.
- B—Cabinets, shelves, runners &c.
- C—Cutting foodstuffs &c.
- D—Cooking apparatus &c.
- E—Infusing.
- F—Cleaning &c.
- G—Bags, baskets, cases &c.
- K—Brushes &c.
- L—Furniture &c.
- M—Mattresses, upholstery &c.
- N—Baths, basins &c.
- P—Umbrellas &c.
- S—Domestic covers and screens.
- V—Toiletry &c.
- X—Miscellaneous household articles.

Division A5.

Medicine; Surgery; Pesticides; Fire-fighting.

- A—Fire-fighting &c.
- B—Pharmaceutical preparations &c.
- E—Pesticides, herbicides, disinfectants &c.
- G—Disinfecting, fumigating &c.
- K—Physiological measuring &c.
- R—Medical, dental and veterinary equipment.
- T—Respiratory apparatus.
- X—Miscellaneous bodily comforts.

Division A6.

Entertainment.

- D—Outdoor sports &c.
- H—Indoor games &c.
- M—Amusement and exercising apparatus.
- S—Toys &c.

SECTION B. Performing operations.

Division B1.

Physical and chemical apparatus and processes.

- B—Distillation; evaporation; condensation.
- C—Mixing &c.
- D—Filtering and settling.
- E—Catalyst compositions &c.
- F—Chemical contact apparatus &c.
- G—Crystallizing from a liquid &c.
- H—Chromatography.
- J—Ion-exchange.
- L—Separating and drying gases.
- M—De-gassing.
- Q—Making extracts, solutions &c.
- R—Treating gases with liquids &c.
- S—Zone-melting, crystal-pulling &c.
- T—Separating particles from gases.
- V—Organic dispersions.
- W—Waste gas treatment systems.
- X—Miscellaneous chemical apparatus &c.

Division B2.

Crushing; Coating; Separating; Spraying.

- A—Comminuting.
- E—Coated products.
- F—Fluid discharge devices.
- H—Separating solids.
- J—Electrostatic and magnetic separation &c.
- L—Coating-apparatus.
- P—Centrifuges.

SECTION B. Performing operations.—cont.

Division B3.

Working metals &c.

- A—Multi-operation metal article manufacture.
- B—Machine tool details.
- C—Drilling and boring.
- D—Abrading.
- E—Bending and breaking metals.
- F—Casting metals.
- G—Foundry moulding.
- H—Power hammers &c.
- J—Seaming &c metal sheets.
- K—Milling.
- L—Planing metals &c.
- M—Rolling metals.
- N—Screwing and tapping.
- P—Drawing and extruding metals.
- Q—Stamping and embossing metals.
- R—Welding, soldering and brazing.
- T—Turning.
- U—Riveting &c.
- V—Miscellaneous working of metals &c.
- W—Shearing, punching &c metals.
- X—Burnishing.

Division B4.

Cutting; Hand-tools; Containing radioactive material.

- B—Cutting &c.
- C—Impelling-tools &c.
- K—Handles &c.
- Q—Radioactive-material enclosures &c.
- W—Gripping-tools &c.
- X—Work benches, miscellaneous tools &c.

Division B5.

Working non-metals; Presses.

- A—Moulding plastic substances &c.
- B—Making artificial fibres, films &c.
- D—Making bags, boxes &c.
- E—Working stone &c.
- F—Presses.
- K—Joining; binding; folding edges.
- L—Sawing, woodworking &c.
- N—Laminated products.

Division B6.

Stationery; Printing; Writing; Decorating.

- A—Stationery, bookbinding &c.
- C—Printing &c.
- E—Filing papers &c.
- F—Selective printing &c; keyboards.
- G—Ornamenting &c.
- J—Engraving, etching and embossing.
- P—Writing-appliances &c.
- W—Type-composing.
- X—Pictures, sculpture &c.

Division B7.

Transport.

- A—Ships &c.
- B—Road vehicle bodies &c.
- C—Vehicle wheels &c.
- D—Vehicle suspension &c.
- E—Cycles &c; human power driving systems.
- G—Controlling and propelling aircraft &c.
- H—Motor vehicles &c.
- J—Vehicle accessories &c.
- K—Air-cushion vehicles &c.
- L—Rail vehicles, systems &c.
- T—Vehicle coupling, towing, pushing &c.
- V—Propelling ships &c.
- W—Aircraft &c.

Division B8.

Conveying; Packing; Load-handling; Hoisting; Storing.

- A—Conveyers &c.
- B—Winches, tackles &c; counterbalancing.
- C—Packaging &c.
- D—Portable containers &c.
- E—Loading and unloading.
- F—Labels and their securing.
- G—Covering cores by winding &c.
- H—Load shifting apparatus &c.
- J—Jacks &c.
- K—Paper and like bags &c.
- L—Guided elevating apparatus.
- M—Reels &c.
- N—Metering fluent material &c.
- P—Boxes and cases.
- Q—Container traffic.
- R—Handling thin material.
- S—Shoots and hoppers &c.
- T—Bottling, stoppers &c.
- U—Dispensing discrete articles.
- W—Warehousing systems.

SECTION C. Chemistry, metallurgy.

Division C1.

Inorganic chemistry; Glass; Fertilizers;

Explosives.

- A—Inorganic substances.
- B—Plant growth regulants, fertilizers &c.
- C—Treating water, sewage &c.
- D—Explosives and pyrotechnics.
- H—Cement, stone &c.
- J—Refractories, ceramics; ferrites.
- K—Treating slags, dry refuse &c.
- M—Glass and vitreous enamels.
- P—Dealing with waste materials.

Division C2.

Organic chemistry.

- A—Antibiotics.
- B—Organic compounds containing boron.
- C—Organic compounds.
- J—Organometallic compounds.
- L—Combinatorial chemistry & chemical libraries
- P—Organic compounds containing phosphorus.
- R—Organic silicon compounds.
- S—Saccharides.
- U—Steroids.
- V—Vitamins.

Division C3.

Macromolecular compounds.

- A—Cellulose derivatives &c.
- B—Epoxy resins.
- C—Cellular polymeric materials.
- H—Proteins, enzymes and nucleic acids.
- J—Chemical after-treatment of addition polymers.
- K—Polymer &c additives.
- L—Polymer &c working up.
- M—Polymer &c blends.
- N—Plastic compositions &c.
- P—Addition polymers &c.
- R—Condensation polymers &c.
- T—Organo-silicon polymers.
- U—Polysaccharides &c.
- V—Miscellaneous polymer compositions, articles and uses.
- W—Indexing schedule for polymer information.

Division C4.

Dyes; Paints; Miscellaneous compositions.

- A—Paints, inks &c.
- D—Natural resins.
- P—Dyes and pigments.

S—Luminescent materials &c.

V—Abrasive materials.

X—Miscellaneous compositions and materials.

Division C5.

Fats; Oils; Waxes; Petroleum; Gas manufacture.

- C—Animal and vegetable fats and oils &c.
- D—Cleansing materials &c.
- E—Destructive pyrolysis, gas, hydrocarbons &c.
- F—Lubricants &c.
- G—Fuels.
- W—Waxes; melt-coating compositions; polishes.

Division C6.

Sugar; Skins; Microbiology; Beverages.

- B—Sugar.
- C—Leather, furs &c.
- E—Alcoholic beverages &c.
- F—Microbiology &c.
- Y—Indexing schedule for micro-organism information.

Division C7.

Metallurgy; Electrolysis.

- A—Alloys &c.
- B—Electrolysis.
- D—Process metallurgy &c.
- E—Cleaning metals &c.
- F—Coating with metals, inorganic compounds &c.
- M—Fluxes &c.
- N—Heat-treatment of metals.
- U—Modifying metallic surfaces &c.
- X—Miscellaneous metallurgy.

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SECTION D. Textiles, paper.

Division D1.

Textiles, Sewing; Ropes.

- A—Laundering &c.
- B—Dyeing processes &c.
- C—Knitting machines &c.
- D—Spinning and twisting machines &c.
- E—Looms &c.
- F—Spinning processes.
- G—Sewing.
- J—Winding and unwinding.
- K—Fabrics &c.
- L—Apparatus for treating textiles &c.
- M—Warping &c.
- N—Fibre preparation machines &c.
- P—Treating textiles &c.
- R—Non-woven fibrous materials &c.
- S—Finishing fabrics &c.
- T—Ropes &c.
- W—Yarns, thread and chenille.
- X—Miscellaneous textiles &c.

Division D2.

Paper.

- A—Paper-making apparatus &c.
- B—Carbon paper &c.
- W—Treating wood-pulp &c.

SECTION E. Civil Engineering, building accessories.

Division E1.

Civil Engineering; Building.

- C—Sanitation and sewerage.
- D—Buildings &c.
- E—Shores &c.
- F—Earth and rock working &c.
- G—Rail and road ways.
- H—Aqueous structures, piles &c.
- J—Windows, doors &c.
- K—Miscellaneous metallic materials.
- P—Fluid-pressure operated mine roof supports and anchorages &c.
- R—Glazing &c.
- S—Building-appliances &c.
- T—Tanks, silos &c.
- X—Miscellaneous building and works.

Division E2.

Fastenings; Operating doors &c.

- A—Releasable fastenings.
- F—Hinges &c.
- M—Window, door, gate operating-appliances.
- S—Strip fastenings.
- X—Miscellaneous door furniture, fetters &c.

SECTION F. Mechanics, lighting, heating.

Division F1.

Prime movers; pumps.

- B—Internal-combustion engines &c.
- C—Non-positive displacement pumps &c.
- D—Hydraulic and pneumatic actuators &c.
- E—Injectors and ejectors.
- F—Rotary positive displacement devices.
- G—Gas turbine engines/plant; turbochargers.
- H—Spray carburettors.
- J—Jet propulsion plant.
- K—Starting, stopping, reversing engines &c.
- M—Steam engines &c.
- N—Miscellaneous compressors, vacuum pumps &c.
- P—Fluid pressure apparatus.
- Q—Power plant.
- R—Raising and discharging liquids &c.
- S—Miscellaneous prime movers.
- T—Turbine devices.
- U—Peristaltic devices.
- V—Bladed rotors and stators.
- W—Fluid-pressure reciprocating machines.
- X—Miscellaneous fluid appliances &c.

SECTION F. Mechanics, lighting, heating.—*cont.*

Division F2.

Machine elements.

- A—Bearings, lubricating &c.
- B—Seals.
- C—Clutches.
- D—Variable-ratio &c gearing.
- E—Brakes &c.
- F—Controlling brakes &c.
- G—Pipe and rod couplings &c.
- H—Bolts, rivets, nails &c.
- J—Machinery guards &c.
- K—Linkwork; cams; Bowden mechanisms.
- L—Controlling clutches &c.
- M—Structural joints and connections.
- N—Cleaning pipes and tubes.
- P—Pipes and tubes.
- Q—Gearing elements &c.
- R—Boundary layer control.
- S—Energy absorbing and storing; vibrating.
- T—Pistons, cylinders, flywheels &c.
- U—Rollers, shafts &c.
- V—Fluid-pressure control valves &c.
- W—Hydraulic transmissions.
- X—Miscellaneous machine parts.
- Y—Personally-actuated command apparatus.

Division F3.

Armaments; Projectiles.

- A—Ammunition &c.
- C—Weapons &c.

Division F4.

Heating; Cooling; Drying; Lighting.

- A—Steam generation and liquid heating plant.
- B—Furnaces &c.
- F—Lighters &c.
- G—Drying &c.
- H—Refrigeration &c.
- J—Chimneys &c.
- K—Direct contact heating of fluids.
- P—Gas storing, liquefying &c.
- R—Lamps &c.
- S—Indirect heating and cooling.
- T—Burners &c.
- U—Heating and cooling systems &c.
- V—Ventilation and air conditioning.
- W—Stoves and fireplaces.
- X—Gas distribution, liquid heating vessels &c.

SECTION G. Instrumentation.

Division G1.

Measuring; Testing.

- A—Radiation and radiation-utilising measurement &c.
- B—Chemical analysis, testing &c.
- C—Gyroscopes.
- D—Heat and temperature measurements; temperature-responsive actuators.
- F—Surveying and navigating apparatus &c.
- G—Acoustic measuring.
- H—Liquid level control and indication &c.
- J—Expressing measurement &c.
- K—Speedometers; movement indicators.
- L—Pressure gauges; engine indicators.
- M—Determining dimensions and shapes.
- N—Electrophysical and electrochemical measurement &c.
- R—Measuring fluid flow.
- S—Measuring and testing physical properties.
- U—Measuring or testing electric or magnetic variables.
- W—Weighing; dynamometers.
- X—Miscellaneous measurement.

Division G2.

Optics; Photography.

- A—Exposing radiation-sensitive material.
- C—Photographic radiation-sensitive materials and their processing.
- E—Cinematography &c.
- F—Controlling light.
- J—Optical apparatus &c.
- L—Flashbulbs &c.
- X—Miscellaneous photographic processes and apparatus.

Division G3.

Controlling; Timing.

- B—Speed governors.
- H—Modifying fluid flow.
- N—Automatic electric control systems.
- P—Fluid-pressure servomotor systems.
- R—Electric retroactive control.
- T—Timing; date indicating.
- U—Automatic control of electric variables.

SECTION G. Instrumentation.—*cont.*

Division G4.

Calculating; Counting; Checking; Signalling;
Data handling.

- A—Electric digital data processing.
- B—Mechanical calculating apparatus.
- C—Static storage of electric information.
- D—Counting-apparatus.
- F—Signalling systems.
- G—Electric analogue calculating; optical signal processing.
- H—Electric selective signalling.
- M—Reading or sorting data-bearing members.
- N—Supervisory, alarm and safety systems.
- P—Fluid digital systems.
- Q—Road, rail and like traffic control.
- R—Recognising character forms &c.
- T—Checking cash, attendances &c.
- V—Coin and token freed apparatus.
- X—Coins &c.

Division G5.

Advertising, Education; Music; Recording.

- C—Signs, indicators, displays and advertising &c.
- G—Educational appliances &c.
- J—Sound-producing instruments &c.
- R—Recording and playback.
- X—Ciphering, flags, music &c.

Division G6.

Nucleonics.

- C—Nuclear fission reactors &c.
- P—Nucleonics.
- R—Radioactive materials and processing.

SECTION H. Electricity.

Division H1.

Electric circuit elements; Magnets.

- A—Electric cables and conductors.
- B—Electric cells of the electrochemical type.
- C—Stimulated-emission devices.
- D—Electric discharge tubes &c.
- E—Piezo-electric elements &c.
- F—Electric incandescent lamps.
- J—Turret machines for lamps &c.
- K—Electric solid-state devices &c.
- M—Capacitors and electrets &c.
- N—Electric switches &c.
- P—Electromagnets, permanent magnets &c.
- Q—Aerials &c.
- R—Printed circuits; electrical component assemblies.
- S—Ohmic resistors &c.
- T—Electric transformers &c.
- W—Electromagnetic waveguides &c.
- X—Miscellaneous discharge apparatus.

Division H2.

Electric Power.

- A—Dynamo-electric machines &c.
- C—Electric and optic cable installations &c.
- E—Electric couplings &c.
- F—Electric converting systems.
- G—Electric cut-outs.
- H—Electricity supply systems &c.
- J—Electric motor operating arrangements.
- K—Electric protective systems.

Division H3.

Electronic circuits; Radio receivers. ~

- A—Automatic control of frequency and phase.
- B—Static, magnetic and dielectric storage systems and devices.
- F—Oscillators.
- G—Control of amplification.
- H—Electric analogue-digital conversion.
- P—Pulse, logic and switching circuits.
- Q—Radio receivers &c.
- R—Modulating; demodulating; frequency changing.
- T—Indexing Schedule for amplifiers, oscillators, pulse, logic and switching circuits.
- U—Impedance networks &c.
- W—Linear Amplifiers; limiters.
- X—Miscellaneous circuits &c.

SECTION H. Electricity.—cont.

Division H4.

Telecommunications.

- B—Optical communication.
- D—Wave-energy position finding &c.
- F—Pictorial communication.
- J—Audio transducers, local circuits &c.
- K—Telecommunication switching &c.
- L—Electromagnetic and inductive field communication.
- M—Electric multiplexing techniques; distributors.
- P—Electric digital data transfer; telegraphy.
- R—Line transmission systems; signal processing.
- T—Cathode-ray tube circuits &c; image signal synthesis &c.
- X—Sound magnifiers &c.

Division H5.

Miscellaneous electric techniques.

- H—Electric heating; microwave heating &c.
- R—Radiology; radiography; irradiation.

INDEXING SCHEDULES APPLICABLE TO MORE THAN ONE HEADING

- C3W— Indexing Schedule for polymer information (*see* DIVISION C3 *above*; for use with certain C3—headings).
- C6Y— Indexing Schedule for micro-organism information (*see* DIVISION C6 *above*; for general use).
- H3T— Indexing Schedule for amplifiers, oscillators, pulse, logic and switching circuits (*see* DIVISION H3 *above*; for use with headings H3F, H3P and H3W).
- U1S— Universal Indexing Schedules for use, application, utility and property (for general use).