

## SECTION XVIII

**OPTICAL, PHOTOGRAPHIC, CINEMATOGRAPHIC, MEASURING, CHECKING, PRECISION, MEDICAL OR SURGICAL INSTRUMENTS AND APPARATUS; CLOCKS AND WATCHES; MUSICAL INSTRUMENTS; PARTS AND ACCESSORIES THEREOF**

## CHAPTER 90

**OPTICAL, PHOTOGRAPHIC, CINEMATOGRAPHIC, MEASURING, CHECKING, PRECISION, MEDICAL OR SURGICAL INSTRUMENTS AND APPARATUS; PARTS AND ACCESSORIES THEREOF****Notes**

1. This chapter does not cover:
  - (a) articles of a kind used in machines, appliances or for other technical uses, of vulcanised rubber other than hard rubber (heading 4016), of leather or of composition leather (heading 4205) or of textile material (heading 5911);
  - (b) supporting belts or other support articles of textile material, whose intended effect on the organ to be supported or held derives solely from their elasticity (for example, maternity belts, thoracic support bandages, abdominal support bandages, supports for joints or muscles) (Section XI);
  - (c) refractory goods of heading 6903; ceramic wares for laboratory, chemical or other technical uses, of heading 6909;
  - (d) glass mirrors, not optically worked, of heading 7009, or mirrors of base metal or of precious metal, not being optical elements (heading 8306 or Chapter 71);
  - (e) goods of heading 7007, 7008, 7011, 7014, 7015 or 7017;
  - (f) parts of general use, as defined in note 2 to Section XV, of base metal (Section XV) or similar goods of plastics (Chapter 39); however, articles specially designed for use exclusively in implants in medical, surgical, dental or veterinary sciences are to be classified in heading 9021;
  - (g) pumps incorporating measuring devices, of heading 8413; weight-operated counting and checking machinery, or separately presented weights for balances (heading 8423); lifting or handling machinery (headings 8425 to 8428); paper or paperboard cutting machines of all kinds (heading 8441); fittings for adjusting work or tools on machine tools or water-jet cutting machines, of heading 8466, including fittings with optical devices for reading the scale (for example, optical dividing heads) but not those which are in themselves essentially optical instruments (for example, alignment telescopes); calculating machines (heading 8470); valves and other appliances of heading 8481; machines and apparatus (including apparatus for the projection or drawing of circuit patterns on sensitised semiconductor materials) of heading 8486;
  - (h) searchlights or spotlights of a kind used for cycles or motor vehicles (heading 8512); portable electric lamps of heading 8513; cinematographic sound recording, reproducing or re-recording apparatus (heading 8519); sound-heads (heading 8522); television cameras, digital cameras and video camera recorders (heading 8525); radar apparatus, radio navigational aid apparatus or radio remote control apparatus (heading 8526); connectors for optical fibres, optical fibre bundles or cables (heading 8536); numerical control apparatus of heading 8537; sealed beam lamp units of heading 8539; optical fibre cables of heading 8544;

- (ij) searchlights or spotlights of heading 9405;
  - (k) articles of Chapter 95;
  - (l) monopods, bipods, tripods and similar articles, of heading 9620;
  - (m) capacity measures, which are to be classified according to their constituent material; or
  - (n) spools, reels or similar supports (which are to be classified according to their constituent material, for example, in heading 3923 or Section XV).
2. Subject to note 1 above, parts and accessories for machines, apparatus, instruments or articles of this chapter are to be classified according to the following rules:
- (a) Parts and accessories which are goods included in any of the headings of this chapter or of Chapter 84, 85 or 91 (other than heading 8487, 8548 or 9033) are in all cases to be classified in their respective headings.
  - (b) Other parts and accessories, if suitable for use solely or principally with a particular kind of machine, instrument or apparatus, or with a number of machines, instruments or apparatus of the same heading (including a machine, instrument or apparatus of heading 9010, 9013 or 9031) are to be classified with the machines, instruments or apparatus of that kind.
  - (c) All other parts and accessories are to be classified in heading 9033.
3. The provisions of notes 3 and 4 to Section XVI apply also to this chapter.
4. Heading 9005 does not apply to telescopic sights for fitting to arms, periscopic telescopes for fitting to submarines or tanks, or to telescopes for machines, appliances, instruments or apparatus of this chapter or Section XVI; such telescopic sights and telescopes are to be classified in heading 9013.
5. Measuring or checking optical instruments, appliances or machines which, but for this note, could be classified both in heading 9013 and in heading 9031 are to be classified in heading 9031.
6. For the purposes of heading 9021, the expression 'orthopaedic appliances' means appliances for:
- preventing or correcting bodily deformities; or
  - supporting or holding parts of the body following an illness, operation or injury.
- Orthopaedic appliances include footwear and special insoles designed to correct orthopaedic conditions, provided that they are either (1) made to measure or (2) mass-produced, presented singly and not in pairs and designed to fit either foot equally.
7. Heading 9032 applies only to:
- (a) instruments and apparatus for automatically controlling the flow, level, pressure or other variables of liquids or gases, or for automatically controlling temperature, whether or not their operation depends on an electrical phenomenon which varies according to the factor to be automatically controlled, which are designed to bring this factor to, and maintain it at, a desired value, stabilised against disturbances, by constantly or periodically measuring its actual value; and
  - (b) automatic regulators of electrical quantities, and instruments or apparatus for automatically controlling non-electrical quantities the operation of which depends on an electrical phenomenon varying according to the factor to be controlled, which are designed to bring this factor to, and maintain it at, a desired value, stabilised against disturbances, by constantly or periodically measuring its actual value.

**Additional notes**

1. For the purposes of subheadings 9015 30 10, 9025 80 40, 9026 10 21, 9026 10 29, 9026 20 20, 9026 80 20, 9027 10 10 and 9032 10 20, the expression 'electronic' means instruments and apparatus which incorporate one or more articles of heading 8540, 8541 or 8542 but for the purposes of the foregoing, no account shall be taken of articles of heading 8540, 8541 or 8542 which have solely the function of rectifying current or which are included in the power pack of instruments or apparatus.
2. For the purposes of subheading 9021 10 10, the expression "orthopaedic appliances" means appliances which are specially designed for a particular orthopaedic purpose, in distinction to products that might be used for various purposes (for example, products for overstrained joints, ligaments or tendons caused by sporting activities, type writing, and products which simply alleviate pain in the defective or disabled part of the body, for example, caused by inflammation).

The "orthopaedic appliances" must completely prevent a specific movement of the defective or disabled part of the body (for example, joints, ligaments, tendons) in order to exclude further injuries or bodily deformities or an aggravation of such injuries or deformities, as distinct from other products that cannot prevent specific movements, yet prevent reflex movements (movements carried out subconsciously) through the relative inflexibility of those products due to, for example, flexible splints, pressure pads, non-elastic textile material, restrictions through "Velcro-type" straps".

CN code	Description	Conventional rate of duty (%)	Supplementary unit
1	2	3	4
<b>9001</b>	<b>Optical fibres and optical fibre bundles; optical fibre cables other than those of heading 8544; sheets and plates of polarising material; lenses (including contact lenses), prisms, mirrors and other optical elements, of any material, unmounted, other than such elements of glass not optically worked:</b>		
<b>9001 10</b>	<b>– Optical fibres, optical fibre bundles and cables:</b>		
<b>9001 10 10</b>	-- Image conductor cables .....	2,9	—
<b>9001 10 90</b>	-- Other .....	2,9	—
<b>9001 20 00</b>	<b>– Sheets and plates of polarising material .....</b>	Free	—
<b>9001 30 00</b>	<b>– Contact lenses .....</b>	2,9	p/st
<b>9001 40</b>	<b>– Spectacle lenses of glass:</b>		
<b>9001 40 20</b>	-- Not for the correction of vision .....	2,9	p/st
	-- For the correction of vision:		
	--- Both sides finished:		
<b>9001 40 41</b>	---- Single focal .....	2,9	p/st
<b>9001 40 49</b>	---- Other .....	2,9	p/st
<b>9001 40 80</b>	--- Other .....	2,9	p/st
<b>9001 50</b>	<b>– Spectacle lenses of other materials:</b>		
<b>9001 50 20</b>	-- Not for the correction of vision .....	2,9	p/st
	-- For the correction of vision:		
	--- Both sides finished:		
<b>9001 50 41</b>	---- Single focal .....	2,9	p/st
<b>9001 50 49</b>	---- Other .....	2,9	p/st
<b>9001 50 80</b>	--- Other .....	2,9	p/st
<b>9001 90 00</b>	<b>– Other .....</b>	Free	—

CN code	Description	Conventional rate of duty (%)	Supplementary unit
1	2	3	4
<b>9002</b>	<b>Lenses, prisms, mirrors and other optical elements, of any material, mounted, being parts of or fittings for instruments or apparatus, other than such elements of glass not optically worked:</b>		
	– Objective lenses:		
<b>9002 11 00</b>	-- For cameras, projectors or photographic enlargers or reducers .....	6,7	p/st
<b>9002 19 00</b>	-- Other .....	Free	p/st
<b>9002 20 00</b>	– Filters .....	Free	p/st
<b>9002 90 00</b>	– Other .....	1,7 <sup>(1)</sup>	—
<b>9003</b>	<b>Frames and mountings for spectacles, goggles or the like, and parts thereof:</b>		
	– Frames and mountings:		
<b>9003 11 00</b>	-- Of plastics .....	2,2	p/st
<b>9003 19 00</b>	-- Of other materials .....	2,2	p/st
<b>9003 90 00</b>	– Parts .....	2,2	—
<b>9004</b>	<b>Spectacles, goggles and the like, corrective, protective or other:</b>		
	– Sunglasses:		
<b>9004 10 10</b>	-- With lenses optically worked .....	2,9	p/st
	-- Other:		
<b>9004 10 91</b>	--- With lenses of plastics .....	2,9	p/st
<b>9004 10 99</b>	--- Other .....	2,9	p/st
	– Other:		
<b>9004 90 10</b>	-- With lenses of plastics .....	2,9	—
<b>9004 90 90</b>	-- Other .....	2,9	—
<b>9005</b>	<b>Binoculars, monoculars, other optical telescopes, and mountings therefor; other astronomical instruments and mountings therefor, but not including instruments for radio-astronomy:</b>		
<b>9005 10 00</b>	– Binoculars .....	4,2	p/st
<b>9005 80 00</b>	– Other instruments .....	4,2	—
<b>9005 90 00</b>	– Parts and accessories (including mountings) .....	4,2	—
<b>9006</b>	<b>Photographic (other than cinematographic) cameras; photographic flashlight apparatus and flashbulbs other than discharge lamps of heading 8539:</b>		
<b>9006 30 00</b>	– Cameras specially designed for underwater use, for aerial survey or for medical or surgical examination of internal organs; comparison cameras for forensic or criminological purposes .....	4,2	p/st

<sup>(1)</sup> — from 1 July to 31 December: 0,8.

CN code	Description	Conventional rate of duty (%)	Supplementary unit
1	2	3	4
9006 40 00	– Instant print cameras .....	3,2	p/st
	– Other cameras:		
9006 53	-- For roll film of a width of 35 mm:		
9006 53 10	--- Disposable cameras .....	4,2	p/st
■ 9006 53 80	--- Other .....	4,2	p/st
■ 9006 59 00	-- Other .....	4,2	p/st
	– Photographic flashlight apparatus and flashbulbs:		
9006 61 00	-- Discharge lamp (electronic) flashlight apparatus .....	3,2	p/st
9006 69 00	-- Other .....	3,2	p/st
	– Parts and accessories:		
9006 91 00	-- For cameras .....	3,7	—
9006 99 00	-- Other .....	3,2	—
9007	<b>Cinematographic cameras and projectors, whether or not incorporating sound recording or reproducing apparatus:</b>		
9007 10 00	– Cameras .....	3,7	p/st
9007 20 00	– Projectors .....	3,7	p/st
	– Parts and accessories:		
9007 91 00	-- For cameras .....	3,7	—
9007 92 00	-- For projectors .....	3,7	—
9008	<b>Image projectors, other than cinematographic; photographic (other than cinematographic) enlargers and reducers:</b>		
9008 50 00	– Projectors, enlargers and reducers .....	3,7	p/st
9008 90 00	– Parts and accessories .....	3,7	—
[9009]			
9010	<b>Apparatus and equipment for photographic (including cinematographic) laboratories, not specified or included elsewhere in this chapter; negatoscopes; projection screens:</b>		
9010 10 00	– Apparatus and equipment for automatically developing photographic (including cinematographic) film or paper in rolls or for automatically exposing developed film to rolls of photographic paper .....	2,7	—
9010 50 00	– Other apparatus and equipment for photographic (including cinematographic) laboratories; negatoscopes .....	Free	—
9010 60 00	– Projection screens .....	Free	—
9010 90	– Parts and accessories:		
9010 90 20	-- Of apparatus and equipment of subheadings 9010 50 00 or 9010 60 00 .....	Free	—
9010 90 80	-- Other .....	2,7	—

CN code	Description	Conventional rate of duty (%)	Supplementary unit
1	2	3	4
<b>9011</b>	<b>Compound optical microscopes, including those for photomicrography, cinephotomicrography or microprojection:</b>		
9011 10 00	– Stereoscopic microscopes .....	Free	p/st
9011 20	– <b>Other microscopes, for photomicrography, cinephotomicrography or microprojection:</b>		
9011 20 10	-- Photomicrographic microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles .....	Free	p/st
9011 20 90	-- Other .....	6,7	p/st
9011 80 00	– <b>Other microscopes</b> .....	Free	p/st
9011 90 00	– <b>Parts and accessories</b> .....	Free	—
<b>9012</b>	<b>Microscopes other than optical microscopes; diffraction apparatus:</b>		
9012 10 00	– <b>Microscopes other than optical microscopes; diffraction apparatus</b> .....	Free	—
9012 90 00	– <b>Parts and accessories</b> .....	Free	—
<b>9013</b>	<b>Lasers, other than laser diodes; other optical appliances and instruments, not specified or included elsewhere in this chapter:</b>		
9013 10	– <b>Telescopic sights for fitting to arms; periscopes; telescopes designed to form parts of machines, appliances, instruments or apparatus of this chapter or Section XVI:</b>		
9013 10 10	-- Telescopes designed to form parts of machines, appliances, instruments or apparatus of this chapter or Section XVI .....	Free	—
9013 10 90	-- Other .....	4,7	—
9013 20 00	– <b>Lasers, other than laser diodes</b> .....	Free	—
★ 9013 80 00	– <b>Other devices, appliances and instruments</b> .....	4,7	—
9013 90	– <b>Parts and accessories:</b>		
9013 90 05	-- For telescopic sights for fitting to arms or for periscopes .....	4,7	—
9013 90 80	-- Other .....	Free	—
<b>9014</b>	<b>Direction finding compasses; other navigational instruments and appliances:</b>		
9014 10 00	– <b>Direction finding compasses</b> .....	Free	—
9014 20	– <b>Instruments and appliances for aeronautical or space navigation (other than compasses):</b>		
9014 20 20	-- Inertial navigation systems .....	Free	p/st
9014 20 80	-- Other .....	Free	—
9014 80 00	– <b>Other instruments and appliances</b> .....	Free	—
9014 90 00	– <b>Parts and accessories</b> .....	Free	—

CN code	Description	Conventional rate of duty (%)	Supplementary unit
1	2	3	4
<b>9015</b>	<b>Surveying (including photogrammetrical surveying), hydrographic, oceanographic, hydrological, meteorological or geophysical instruments and appliances, excluding compasses; rangefinders:</b>		
<b>9015 10 00</b>	– Rangefinders .....	Free	—
<b>9015 20 00</b>	– Theodolites and tachymeters (tacheometers) .....	Free	—
<b>9015 30</b>	– Levels:		
<b>9015 30 10</b>	-- Electronic .....	3,7	—
<b>9015 30 90</b>	-- Other .....	2,7	—
<b>9015 40 00</b>	– Photogrammetrical surveying instruments and appliances .....	Free	—
<b>9015 80</b>	– Other instruments and appliances:		
<b>9015 80 20</b>	-- Meteorological, hydrological and geophysical instruments and apparatus .....	Free	—
<b>9015 80 40</b>	-- Instruments and appliances used in geodesy, topography, surveying or levelling; hydrographic instruments .....	Free	—
<b>9015 80 80</b>	-- Other .....	Free	—
<b>9015 90 00</b>	– Parts and accessories .....	Free	—
<b>9016 00</b>	<b>Balances of a sensitivity of 5 cg or better, with or without weights:</b>		
<b>9016 00 10</b>	– Balances .....	3,7	p/st
<b>9016 00 90</b>	– Parts and accessories .....	3,7	—
<b>9017</b>	<b>Drawing, marking-out or mathematical calculating instruments (for example, drafting machines, pantographs, protractors, drawing sets, slide rules, disc calculators); instruments for measuring length, for use in the hand (for example, measuring rods and tapes, micrometers, callipers), not specified or included elsewhere in this chapter:</b>		
<b>9017 10</b>	– Drafting tables and machines, whether or not automatic:		
<b>9017 10 10</b>	-- Plotters .....	Free	p/st
<b>9017 10 90</b>	-- Other .....	2,7	p/st
<b>9017 20</b>	– Other drawing, marking-out or mathematical calculating instruments:		
<b>9017 20 05</b>	-- Plotters .....	Free	p/st
<b>9017 20 10</b>	-- Other drawing instruments .....	2,7	—
<b>9017 20 39</b>	-- Marking-out instruments .....	2,7	p/st
<b>9017 20 90</b>	-- Mathematical calculating instruments (including slide rules, disc calculators and the like) .....	2,7	p/st
<b>9017 30 00</b>	– Micrometers, callipers and gauges .....	2,7	p/st
<b>9017 80</b>	– Other instruments:		
<b>9017 80 10</b>	-- Measuring rods and tapes and divided scales .....	2,7	—
<b>9017 80 90</b>	-- Other .....	2,7	—

CN code	Description	Conventional rate of duty (%)	Supplementary unit
1	2	3	4
9017 90 00	– <b>Parts and accessories</b> .....	2,7	—
9018	<b>Instruments and appliances used in medical, surgical, dental or veterinary sciences, including scintigraphic apparatus, other electromedical apparatus and sight-testing instruments:</b>		
	– <b>Electrodiagnostic apparatus (including apparatus for functional exploratory examination or for checking physiological parameters):</b>		
9018 11 00	-- <b>Electrocardiographs</b> .....	Free	—
9018 12 00	-- <b>Ultrasonic scanning apparatus</b> .....	Free	—
9018 13 00	-- <b>Magnetic resonance imaging apparatus</b> .....	Free	—
9018 14 00	-- <b>Scintigraphic apparatus</b> .....	Free	—
9018 19	-- <b>Other:</b>		
9018 19 10	--- <b>Monitoring apparatus for simultaneous monitoring of two or more parameters</b> ...	Free	—
9018 19 90	--- <b>Other</b> .....	Free	—
9018 20 00	– <b>Ultraviolet or infra-red ray apparatus</b> .....	Free	—
	– <b>Syringes, needles, catheters, cannulae and the like:</b>		
9018 31	-- <b>Syringes, with or without needles:</b>		
9018 31 10	--- <b>Of plastics</b> .....	Free	—
9018 31 90	--- <b>Other</b> .....	Free	—
9018 32	-- <b>Tubular metal needles and needles for sutures:</b>		
9018 32 10	--- <b>Tubular metal needles</b> .....	Free	—
9018 32 90	--- <b>Needles for sutures</b> .....	Free	—
9018 39 00	-- <b>Other</b> .....	Free	—
	– <b>Other instruments and appliances, used in dental sciences:</b>		
9018 41 00	-- <b>Dental drill engines, whether or not combined on a single base with other dental equipment</b> .....	Free	—
9018 49	-- <b>Other:</b>		
9018 49 10	--- <b>Burrs, discs, drills and brushes, for use in dental drills</b> .....	Free	—
9018 49 90	--- <b>Other</b> .....	Free	—
9018 50	– <b>Other ophthalmic instruments and appliances:</b>		
9018 50 10	-- <b>Non-optical</b> .....	Free	—
9018 50 90	-- <b>Optical</b> .....	Free	—
9018 90	– <b>Other instruments and appliances:</b>		
9018 90 10	-- <b>Instruments and apparatus for measuring blood-pressure</b> .....	Free	—
9018 90 20	-- <b>Endoscopes</b> .....	Free	—
9018 90 30	-- <b>Renal dialysis equipment (artificial kidneys, kidney machines and dialysers)</b> .....	Free	—

CN code	Description	Conventional rate of duty (%)	Supplementary unit
1	2	3	4
9018 90 40	-- Diathermic apparatus .....	Free	—
9018 90 50	-- Transfusion and infusion apparatus .....	Free	—
9018 90 60	-- Anaesthetic apparatus and instruments .....	Free	—
9018 90 75	-- Apparatus for nerve stimulation .....	Free	—
9018 90 84	-- Other .....	Free	—
9019	<b>Mechano-therapy appliances; massage apparatus; psychological aptitude-testing apparatus; ozone therapy, oxygen therapy, aerosol therapy, artificial respiration or other therapeutic respiration apparatus:</b>		
9019 10	– <b>Mechano-therapy appliances; massage apparatus; psychological aptitude-testing apparatus:</b>		
9019 10 10	-- Electrical vibratory-massage apparatus .....	Free	—
9019 10 90	-- Other .....	Free	—
9019 20	– <b>Ozone therapy, oxygen therapy, aerosol therapy, artificial respiration or other therapeutic respiration apparatus:</b>		
9019 20 10	-- Mechanical ventilation apparatus, capable of providing invasive ventilation .....	Free	p/st
9019 20 20	-- Mechanical ventilation apparatus, non-invasive .....	Free	p/st
9019 20 90	-- Other, including parts and accessories .....	Free	—
9020 00	<b>Other breathing appliances and gas masks, excluding protective masks having neither mechanical parts nor replaceable filters:</b>		
9020 00 10	– Gas masks .....	1,7	p/st
9020 00 90	– Other, including parts and accessories .....	1,7	—
9021	<b>Orthopaedic appliances, including crutches, surgical belts and trusses; splints and other fracture appliances; artificial parts of the body; hearing aids and other appliances which are worn or carried, or implanted in the body, to compensate for a defect or disability:</b>		
9021 10	– <b>Orthopaedic or fracture appliances:</b>		
9021 10 10	-- Orthopaedic appliances .....	Free	—
9021 10 90	-- Splints and other fracture appliances .....	Free	—
	– <b>Artificial teeth and dental fittings:</b>		
9021 21	-- <b>Artificial teeth:</b>		
9021 21 10	--- Of plastics .....	Free	100 p/st
9021 21 90	--- Of other materials .....	Free	100 p/st
9021 29 00	-- <b>Other</b> .....	Free	—
	– <b>Other artificial parts of the body:</b>		
9021 31 00	-- <b>Artificial joints</b> .....	Free	—
9021 39	-- <b>Other:</b>		
9021 39 10	--- Ocular prostheses .....	Free	—
9021 39 90	--- Other .....	Free	—

CN code	Description	Conventional rate of duty (%)	Supplementary unit
1	2	3	4
9021 40 00	– Hearing aids, excluding parts and accessories .....	Free	p/st
9021 50 00	– Pacemakers for stimulating heart muscles, excluding parts and accessories .....	Free	p/st
9021 90	– Other:		
9021 90 10	-- Parts and accessories of hearing aids .....	Free	—
9021 90 90	-- Other .....	Free	—
9022	<b>Apparatus based on the use of X-rays or of alpha, beta, gamma or other ionising radiation, whether or not for medical, surgical, dental or veterinary uses, including radiography or radiotherapy apparatus, X-ray tubes and other X-ray generators, high tension generators, control panels and desks, screens, examination or treatment tables, chairs and the like:</b>		
	– Apparatus based on the use of X-rays, whether or not for medical, surgical, dental or veterinary uses, including radiography or radiotherapy apparatus:		
9022 12 00	-- Computed tomography apparatus .....	Free	p/st
9022 13 00	-- Other, for dental uses .....	Free	p/st
9022 14 00	-- Other, for medical, surgical or veterinary uses .....	Free	p/st
9022 19 00	-- For other uses .....	Free	p/st
	– Apparatus based on the use of alpha, beta, gamma or other ionising radiation, whether or not for medical, surgical, dental or veterinary uses, including radiography or radiotherapy apparatus:		
■ 9022 21 00	-- For medical, surgical, dental or veterinary uses .....	Free	p/st
■ 9022 29 00	-- For other uses .....	Free	p/st
9022 30 00	– X-ray tubes .....	Free	p/st
9022 90	– Other, including parts and accessories:		
9022 90 20	-- Parts and accessories of apparatus based on the use of X-rays .....	Free	—
9022 90 80	-- Other .....	2,1	—
9023 00	<b>Instruments, apparatus and models, designed for demonstrational purposes (for example, in education or exhibitions), unsuitable for other uses:</b>		
9023 00 10	– Of a type used for teaching physics, chemistry or technical subjects .....	Free	—
9023 00 80	– Other .....	Free	—
9024	<b>Machines and appliances for testing the hardness, strength, compressibility, elasticity or other mechanical properties of materials (for example, metals, wood, textiles, paper, plastics):</b>		
9024 10	– Machines and appliances for testing metals:		
9024 10 20	-- Universal or for tensile tests .....	Free	—
9024 10 40	-- For hardness tests .....	Free	—
9024 10 80	-- Other .....	Free	—

CN code	Description	Conventional rate of duty (%)	Supplementary unit
1	2	3	4
9024 80 00	– Other machines and appliances .....	Free	—
9024 90 00	– Parts and accessories .....	Free	—
9025	<b>Hydrometers and similar floating instruments, thermometers, pyrometers, barometers, hygrometers and psychrometers, recording or not, and any combination of these instruments:</b>		
	– Thermometers and pyrometers, not combined with other instruments:		
9025 11	-- Liquid-filled, for direct reading:		
9025 11 20	--- Clinical or veterinary thermometers .....	Free	p/st
9025 11 80	--- Other .....	2,8	p/st
9025 19 00	-- Other .....	Free	p/st
9025 80	– Other instruments:		
9025 80 20	-- Barometers, not combined with other instruments .....	2,1	p/st
	-- Other:		
9025 80 40	--- Electronic .....	3,2	—
9025 80 80	--- Other .....	2,1	—
9025 90 00	– Parts and accessories .....	Free	—
9026	<b>Instruments and apparatus for measuring or checking the flow, level, pressure or other variables of liquids or gases (for example, flow meters, level gauges, manometers, heat meters), excluding instruments and apparatus of heading 9014, 9015, 9028 or 9032:</b>		
9026 10	– For measuring or checking the flow or level of liquids:		
	-- Electronic:		
9026 10 21	--- Flow meters .....	Free	p/st
9026 10 29	--- Other .....	Free	p/st
	-- Other:		
9026 10 81	--- Flow meters .....	Free	p/st
9026 10 89	--- Other .....	Free	p/st
9026 20	– For measuring or checking pressure:		
9026 20 20	-- Electronic .....	Free	p/st
	-- Other:		
9026 20 40	--- Spiral or metal diaphragm type pressure gauges .....	Free	p/st
9026 20 80	--- Other .....	Free	p/st
9026 80	– Other instruments or apparatus:		
9026 80 20	-- Electronic .....	Free	—
9026 80 80	-- Other .....	Free	—
9026 90 00	– Parts and accessories .....	Free	—

CN code	Description	Conventional rate of duty (%)	Supplementary unit
1	2	3	4
<b>9027</b>	<b>Instruments and apparatus for physical or chemical analysis (for example, polarimeters, refractometers, spectrometers, gas or smoke analysis apparatus); instruments and apparatus for measuring or checking viscosity, porosity, expansion, surface tension or the like; instruments and apparatus for measuring or checking quantities of heat, sound or light (including exposure meters); microtomes:</b>		
<b>9027 10</b>	– Gas or smoke analysis apparatus:		
<b>9027 10 10</b>	-- Electronic .....	Free	p/st
<b>9027 10 90</b>	-- Other .....	Free	p/st
<b>9027 20 00</b>	– Chromatographs and electrophoresis instruments .....	Free	—
<b>9027 30 00</b>	– Spectrometers, spectrophotometers and spectrographs using optical radiation (UV, visible, IR) .....	Free	—
<b>9027 50 00</b>	– Other instruments and apparatus using optical radiation (UV, visible, IR) .....	Free	—
	– Other instruments and apparatus:		
★ <b>9027 81 00</b>	-- Mass spectrometers .....	Free	p/st
<b>9027 89</b>	-- Other:		
★ <b>9027 89 10</b>	--- Exposure meters .....	Free	—
★ <b>9027 89 30</b>	--- pH meters, rH meters and other apparatus for measuring conductivity .....	Free	—
★ <b>9027 89 90</b>	--- Other .....	Free	—
<b>9027 90 00</b>	– Microtomes; parts and accessories .....	Free	—
<b>9028</b>	<b>Gas, liquid or electricity supply or production meters, including calibrating meters therefor:</b>		
<b>9028 10 00</b>	– Gas meters .....	2,1	p/st
<b>9028 20 00</b>	– Liquid meters .....	2,1	p/st
<b>9028 30</b>	– Electricity meters:		
	-- For alternating current:		
<b>9028 30 11</b>	--- For single-phase .....	Free	p/st
<b>9028 30 19</b>	--- For multiphase .....	Free	p/st
<b>9028 30 90</b>	-- Other .....	Free	p/st
<b>9028 90</b>	– Parts and accessories:		
<b>9028 90 10</b>	-- For electricity meters .....	Free	—
<b>9028 90 90</b>	-- Other .....	Free	—
<b>9029</b>	<b>Revolution counters, production counters, taximeters, milometers, pedometers and the like; speed indicators and tachometers, other than those of heading 9014 or 9015; stroboscopes:</b>		
<b>9029 10 00</b>	– Revolution counters, production counters, taximeters, milometers, pedometers and the like .....	1,9	—

CN code	Description	Conventional rate of duty (%)	Supplementary unit
1	2	3	4
<b>9029 20</b>	<b>– Speed indicators and tachometers; stroboscopes:</b>		
	– Speed indicators and tachometers:		
<b>9029 20 31</b>	– Speed indicators for vehicles .....	2,6	—
<b>9029 20 38</b>	– Other .....	2,6	—
<b>9029 20 90</b>	– Stroboscopes .....	2,6	—
<b>9029 90 00</b>	– Parts and accessories .....	2,2	—
<b>9030</b>	<b>Oscilloscopes, spectrum analysers and other instruments and apparatus for measuring or checking electrical quantities, excluding meters of heading 9028; instruments and apparatus for measuring or detecting alpha, beta, gamma, X-ray, cosmic or other ionising radiation:</b>		
<b>9030 10 00</b>	– Instruments and apparatus for measuring or detecting ionising radiation .....	Free	—
<b>9030 20 00</b>	– Oscilloscopes and oscillographs .....	Free	—
	– Other instruments and apparatus, for measuring or checking voltage, current, resistance or power (other than those for measuring or checking semiconductor wafers or devices):		
<b>9030 31 00</b>	– Multimeters, without a recording device .....	Free	—
<b>9030 32 00</b>	– Multimeters, with a recording device .....	Free	—
<b>9030 33</b>	– Other, without a recording device:		
<b>9030 33 20</b>	– Resistance measuring instruments .....	2,1	—
<b>9030 33 70</b>	– Other .....	Free	—
<b>9030 39 00</b>	– Other, with a recording device .....	Free	—
<b>9030 40 00</b>	– Other instruments and apparatus, specially designed for telecommunications (for example, cross-talk meters, gain measuring instruments, distortion factor meters, psophometers) .....	Free	—
	– Other instruments and apparatus:		
<b>9030 82 00</b>	– For measuring or checking semiconductor wafers or devices (including integrated circuits) .....	Free	—
<b>9030 84 00</b>	– Other, with a recording device .....	Free	—
<b>9030 89 00</b>	– Other .....	Free	—
<b>9030 90 00</b>	– Parts and accessories .....	Free	—
<b>9031</b>	<b>Measuring or checking instruments, appliances and machines, not specified or included elsewhere in this chapter; profile projectors:</b>		
<b>9031 10 00</b>	– Machines for balancing mechanical parts .....	Free	—
<b>9031 20 00</b>	– Test benches .....	2,8	—
	– Other optical instruments and appliances:		
<b>9031 41 00</b>	– For inspecting semiconductor wafers or devices (including integrated circuits) or for inspecting photomasks or reticles used in manufacturing semiconductor devices (including integrated circuits) .....	Free	—

CN code	Description	Conventional rate of duty (%)	Supplementary unit
1	2	3	4
9031 49	-- <b>Other:</b>		
9031 49 10	--- Profile projectors .....	Free	p/st
9031 49 90	--- Other .....	Free	—
9031 80	- <b>Other instruments, appliances and machines:</b>		
9031 80 20	-- For measuring or checking geometrical quantities .....	Free	—
9031 80 80	-- Other .....	Free	—
9031 90 00	- <b>Parts and accessories</b> .....	Free	—
9032	<b>Automatic regulating or controlling instruments and apparatus:</b>		
9032 10	- <b>Thermostats:</b>		
9032 10 20	-- Electronic .....	2,8	p/st
9032 10 80	-- Other .....	2,1	p/st
9032 20 00	- <b>Manostats</b> .....	Free	p/st
9032 81 00	-- <b>Hydraulic or pneumatic</b> .....	Free	—
9032 89 00	-- <b>Other</b> .....	2,8	—
9032 90 00	- <b>Parts and accessories</b> .....	2,8	—
9033 00	<b>Parts and accessories (not specified or included elsewhere in this chapter) for machines, appliances, instruments or apparatus of Chapter 90:</b>		
9033 00 10	- Light-emitting diode (LED) backlight modules, which are lighting sources that consist of one or more LEDs, and one or more connectors and are mounted on a printed circuit or other similar substrate, and other passive components, whether or not combined with optical components or protective diodes, and used as backlight illumination for liquid crystal displays (LCDs) .....	Free	—
9033 00 90	- Other .....	3,7	—

## CHAPTER 91

## CLOCKS AND WATCHES AND PARTS THEREOF

## Notes

1. This chapter does not cover:
  - (a) clock or watch glasses or weights (classified according to their constituent material);
  - (b) watch chains (heading 7113 or 7117, as the case may be);
  - (c) parts of general use defined in note 2 to Section XV, of base metal (Section XV), or similar goods of plastics (Chapter 39) or of precious metal or metal clad with precious metal (generally heading 7115); clock or watch springs are, however, to be classified as clock or watch parts (heading 9114);
  - (d) bearing balls (heading 7326 or 8482, as the case may be);
  - (e) articles of heading 8412 constructed to work without an escapement;
  - (f) ball bearings (heading 8482); or
  - (g) articles of Chapter 85, not yet assembled together or with other components into watch or clock movements or into articles suitable for use solely or principally as parts of such movements (Chapter 85).
2. Heading 9101 covers only watches with case wholly of precious metal or of metal clad with precious metal, or of the same materials combined with natural or cultured pearls, or precious or semi-precious stones (natural, synthetic or reconstructed) of headings 7101 to 7104. Watches with case of base metal inlaid with precious metal fall in heading 9102.
3. For the purposes of this chapter, the expression 'watch movements' means devices regulated by a balance-wheel and hairspring, quartz crystal or any other system capable of determining intervals of time, with a display or a system to which a mechanical display can be incorporated. Such watch movements shall not exceed 12 mm in thickness and 50 mm in width, length or diameter.
4. Except as provided in note 1, movements and other parts suitable for use both in clocks or watches and in other articles (for example, precision instruments) are to be classified in this chapter.

CN code	Description	Conventional rate of duty (%)	Supplementary unit
1	2	3	4
<b>9101</b>	<b>Wristwatches, pocket-watches and other watches, including stopwatches, with case of precious metal or of metal clad with precious metal:</b>		
	– <b>Wristwatches, electrically operated, whether or not incorporating a stopwatch facility:</b>		
<b>9101 11 00</b>	-- <b>With mechanical display only</b> .....	4,5 MIN 0,3 € p/st MAX 0,8 € p/st	p/st
<b>9101 19 00</b>	-- <b>Other</b> .....	4,5 MIN 0,3 € p/st MAX 0,8 € p/st	p/st
	– <b>Other wristwatches, whether or not incorporating a stopwatch facility:</b>		
<b>9101 21 00</b>	-- <b>With automatic winding</b> .....	4,5 MIN 0,3 € p/st MAX 0,8 € p/st	p/st

CN code	Description	Conventional rate of duty (%)	Supplementary unit
1	2	3	4
9101 29 00	-- Other .....	4,5 MIN 0,3 € p/st MAX 0,8 € p/st	p/st
	- Other:		
9101 91 00	-- Electrically operated .....	4,5 MIN 0,3 € p/st MAX 0,8 € p/st	p/st
9101 99 00	-- Other .....	4,5 MIN 0,3 € p/st MAX 0,8 € p/st	p/st
9102	<b>Wristwatches, pocket-watches and other watches, including stopwatches, other than those of heading 9101:</b>		
	- Wristwatches, electrically operated, whether or not incorporating a stopwatch facility:		
9102 11 00	-- With mechanical display only .....	4,5 MIN 0,3 € p/st MAX 0,8 € p/st	p/st
9102 12 00	-- With opto-electronic display only .....	4,5 MIN 0,3 € p/st MAX 0,8 € p/st	p/st
9102 19 00	-- Other .....	4,5 MIN 0,3 € p/st MAX 0,8 € p/st	p/st
	- Other wristwatches, whether or not incorporating a stopwatch facility:		
9102 21 00	-- With automatic winding .....	4,5 MIN 0,3 € p/st MAX 0,8 € p/st	p/st
9102 29 00	-- Other .....	4,5 MIN 0,3 € p/st MAX 0,8 € p/st	p/st
	- Other:		
9102 91 00	-- Electrically operated .....	4,5 MIN 0,3 € p/st MAX 0,8 € p/st	p/st
9102 99 00	-- Other .....	4,5 MIN 0,3 € p/st MAX 0,8 € p/st	p/st
9103	<b>Clocks with watch movements, excluding clocks of heading 9104:</b>		
9103 10 00	- Electrically operated .....	4,7	p/st
9103 90 00	- Other .....	4,7	p/st
9104 00 00	<b>Instrument panel clocks and clocks of a similar type for vehicles, aircraft, spacecraft or vessels .....</b>	3,7	p/st
9105	<b>Other clocks:</b>		
	- Alarm clocks:		
9105 11 00	-- Electrically operated .....	4,7	p/st
9105 19 00	-- Other .....	3,7	p/st
	- Wall clocks:		
9105 21 00	-- Electrically operated .....	4,7	p/st
9105 29 00	-- Other .....	3,7	p/st

CN code	Description	Conventional rate of duty (%)	Supplementary unit
1	2	3	4
	– <b>Other:</b>		
9105 91 00	-- Electrically operated .....	4,7	p/st
9105 99 00	-- Other .....	3,7	p/st
<b>9106</b>	<b>Time of day recording apparatus and apparatus for measuring, recording or otherwise indicating intervals of time, with clock or watch movement or with synchronous motor (for example, time-registers, time-recorders):</b>		
9106 10 00	– Time-registers; time-recorders .....	4,7	p/st
9106 90 00	– Other .....	4,7	p/st
<b>9107 00 00</b>	<b>Time switches, with clock or watch movement or with synchronous motor .....</b>	4,7	p/st
<b>9108</b>	<b>Watch movements, complete and assembled:</b>		
	– <b>Electrically operated:</b>		
9108 11 00	-- With mechanical display only or with a device to which a mechanical display can be incorporated .....	4,7	p/st
9108 12 00	-- With opto-electronic display only .....	4,7	p/st
9108 19 00	-- Other .....	4,7	p/st
9108 20 00	– With automatic winding .....	5 MIN 0,17 € p/st	p/st
9108 90 00	– Other .....	5 MIN 0,17 € p/st	p/st
<b>9109</b>	<b>Clock movements, complete and assembled:</b>		
9109 10 00	– Electrically operated .....	4,7	p/st
9109 90 00	– Other .....	4,7	p/st
<b>9110</b>	<b>Complete watch or clock movements, unassembled or partly assembled (movement sets); incomplete watch or clock movements, assembled; rough watch or clock movements:</b>		
	– <b>Of watches:</b>		
<b>9110 11</b>	<b>-- Complete movements, unassembled or partly assembled (movement sets):</b>		
9110 11 10	--- With balance wheel and hairspring .....	5 MIN 0,17 € p/st	p/st
9110 11 90	--- Other .....	4,7	p/st
9110 12 00	-- <b>Incomplete movements, assembled</b> .....	3,7	—
9110 19 00	-- <b>Rough movements</b> .....	4,7	—
9110 90 00	– Other .....	3,7	—
<b>9111</b>	<b>Watch cases and parts thereof:</b>		
9111 10 00	– Cases of precious metal or of metal clad with precious metal .....	0,5 € p/st MIN 2,7 MAX 4,6	p/st
9111 20 00	– Cases of base metal, whether or not gold- or silver-plated .....	0,5 € p/st MIN 2,7 MAX 4,6	p/st
9111 80 00	– Other cases .....	0,5 € p/st MIN 2,7 MAX 4,6	p/st

CN code	Description	Conventional rate of duty (%)	Supplementary unit
1	2	3	4
9111 90 00	– Parts .....	0,5 € p/st MIN 2,7 MAX 4,6	— <sup>(1)</sup>
9112	<b>Clock cases and cases of a similar type for other goods of this chapter, and parts thereof:</b>		
9112 20 00	– Cases .....	2,7	p/st
9112 90 00	– Parts .....	2,7	—
9113	<b>Watch straps, watch bands and watch bracelets, and parts thereof:</b>		
9113 10	– Of precious metal or of metal clad with precious metal:		
9113 10 10	-- Of precious metal .....	2,7	—
9113 10 90	-- Of metal clad with precious metal .....	3,7	—
9113 20 00	– Of base metal, whether or not gold- or silver-plated .....	6	—
9113 90 00	– Other .....	6	—
9114	<b>Other clock or watch parts:</b>		
9114 30 00	– Dials .....	2,7	—
9114 40 00	– Plates and bridges .....	2,7	—
9114 90	– Other:		
★ 9114 90 10	-- Springs, including hairsprings .....	3,7	—
★ 9114 90 90	-- Other .....	2,7	—

<sup>(1)</sup> Upon import into the European Union, the supplementary unit applied for duty purposes is p/st.

## CHAPTER 92

**MUSICAL INSTRUMENTS; PARTS AND ACCESSORIES OF SUCH ARTICLES****Notes**

1. This chapter does not cover:

- (a) parts of general use, as defined in note 2 to Section XV, of base metal (Section XV), or similar goods of plastics (Chapter 39);
- (b) microphones, amplifiers, loudspeakers, headphones, switches, stroboscopes and other accessory instruments, apparatus or equipment of Chapter 85 or 90, for use with but not incorporated in or housed in the same cabinet as instruments of this chapter;
- (c) toy instruments and apparatus (heading 9503);
- (d) brushes for cleaning musical instruments (heading 9603), or monopods, bipods, tripods and similar articles (heading 9620); or
- (e) collectors' pieces or antiques (heading 9705 or 9706).

2. Bows and sticks and similar devices used in playing the musical instruments of headings 9202 or 9206 presented with such instruments in numbers normal thereto and clearly intended for use therewith, are to be classified in the same heading as the relative instruments.

Cards, discs and rolls of heading 9209 presented with an instrument are to be treated as separate articles and not as forming a part of such instrument.

CN code	Description	Conventional rate of duty (%)	Supplementary unit
1	2	3	4
<b>9201</b>	<b>Pianos, including automatic pianos; harpsichords and other keyboard stringed instruments:</b>		
<b>9201 10</b>	– Upright pianos:		
<b>9201 10 10</b>	-- New .....	4	p/st
<b>9201 10 90</b>	-- Used .....	4	p/st
<b>9201 20 00</b>	– Grand pianos .....	4	p/st
<b>9201 90 00</b>	– Other .....	4	—
<b>9202</b>	<b>Other string musical instruments (for example, guitars, violins, harps):</b>		
<b>9202 10</b>	– Played with a bow:		
<b>9202 10 10</b>	-- Violins .....	3,2	p/st
<b>9202 10 90</b>	-- Other .....	3,2	p/st
<b>9202 90</b>	– Other:		
<b>9202 90 30</b>	-- Guitars .....	3,2	p/st
<b>9202 90 80</b>	-- Other .....	3,2	p/st
[9203]			
[9204]			

CN code	Description	Conventional rate of duty (%)	Supplementary unit
1	2	3	4
<b>9205</b>	<b>Wind musical instruments (for example, keyboard pipe organs, accordions, clarinets, trumpets, bagpipes), other than fairground organs and mechanical street organs:</b>		
<b>9205 10 00</b>	– Brass-wind instruments .....	3,2	p/st
<b>9205 90</b>	– <b>Other:</b>		
<b>9205 90 10</b>	-- Accordions and similar instruments .....	3,7	p/st
<b>9205 90 30</b>	-- Mouth organs .....	3,7	p/st
<b>9205 90 50</b>	-- Keyboard pipe organs; harmoniums and similar keyboard instruments with free metal reeds .....	3,2	—
<b>9205 90 90</b>	-- Other .....	3,2	—
<b>9206 00 00</b>	<b>Percussion musical instruments (for example, drums, xylophones, cymbals, castanets, maracas) .....</b>	3,2	—
<b>9207</b>	<b>Musical instruments, the sound of which is produced, or must be amplified, electrically (for example, organs, guitars, accordions):</b>		
<b>9207 10</b>	– <b>Keyboard instruments, other than accordions:</b>		
<b>9207 10 10</b>	-- Organs .....	3,2	p/st
<b>9207 10 30</b>	-- Digital pianos .....	3,2	p/st
<b>9207 10 50</b>	-- Synthesisers .....	3,2	p/st
<b>9207 10 80</b>	-- Other .....	3,2	—
<b>9207 90</b>	– <b>Other:</b>		
<b>9207 90 10</b>	-- Guitars .....	3,7	p/st
<b>9207 90 90</b>	-- Other .....	3,7	—
<b>9208</b>	<b>Musical boxes, fairground organs, mechanical street organs, mechanical singing birds, musical saws and other musical instruments not falling within any other heading of this chapter; decoy calls of all kinds; whistles, call horns and other mouth-blown sound signalling instruments:</b>		
<b>9208 10 00</b>	– Musical boxes .....	2,7	—
<b>9208 90 00</b>	– Other .....	3,2	—
<b>9209</b>	<b>Parts (for example, mechanisms for musical boxes) and accessories (for example, cards, discs and rolls for mechanical instruments) of musical instruments; metronomes, tuning forks and pitch pipes of all kinds:</b>		
<b>9209 30 00</b>	– Musical instrument strings .....	2,7	—
	– <b>Other:</b>		
<b>9209 91 00</b>	-- Parts and accessories for pianos .....	2,7	—
<b>9209 92 00</b>	-- Parts and accessories for the musical instruments of heading 9202 .....	2,7	—
<b>9209 94 00</b>	-- Parts and accessories for the musical instruments of heading 9207 .....	2,7	—
<b>9209 99</b>	-- <b>Other:</b>		
<b>9209 99 20</b>	--- Parts and accessories for the musical instruments of heading 9205 .....	2,7	—
	--- Other:		

CN code	Description	Conventional rate of duty (%)	Supplementary unit
1	2	3	4
<b>9209 99 40</b>	---- Metronomes, tuning forks and pitch pipes .....	3,2	—
<b>9209 99 50</b>	---- Mechanisms for musical boxes .....	1,7	—
<b>9209 99 70</b>	---- Other .....	2,7	—